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Tower Mountain Gold Project

Phase 2 Drilling

Thunder Bay Mining District, Ontario
NTS 52A12 and 52A05
Conmee, (G-0647)

Thunder Gold Corp.

July 13, 2023

By
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1. Summary

The Tower Mountain property is located roughly 45 kilometres west of Thunder Bay, Ontario within the eastern extent of the Shebandowan Greenstone Belt (SGB) comprising an area of roughly 4 square kilometres 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 more than zones of mineralization identified.

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 1: Ontario and Property Location.



Figure 2: 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.



Figure 3: Shows the topography and tree coverage on property.

2. Property Description, Access and Land Tenure

Tower Mountain Gold Project Property is located near Conmee township approximately 50 kilometres west-northwest of the port city of Thunder Bay, Ontario.

The project consists of 81 Single Cell Mining Claims, 11 Boundary Cell Mining Claims and 6 patented mining claims that together cover 1,595 hectares. (See Appendix B for claim cells details)

The property can be accessed south at Sunshine off highway 11 onto Sunshine Loop Road for 0.08 kilometres then west onto Aiken Road for 1.4 kilometres to gate. From there continue on an all-weather road south 2.7 kilometres directly to the core shack (located 1.9 kilometres south of property’s North boundary). See figure 5 for claim map.

The property is in Comnee and Dawson Road Lots within NTS blocks 05A/12 and 05A/05. The central point of the property is located approximately 300,220 E and 5,377,450 N, Zone 16, NAD 83. See figure 4 for general location map.

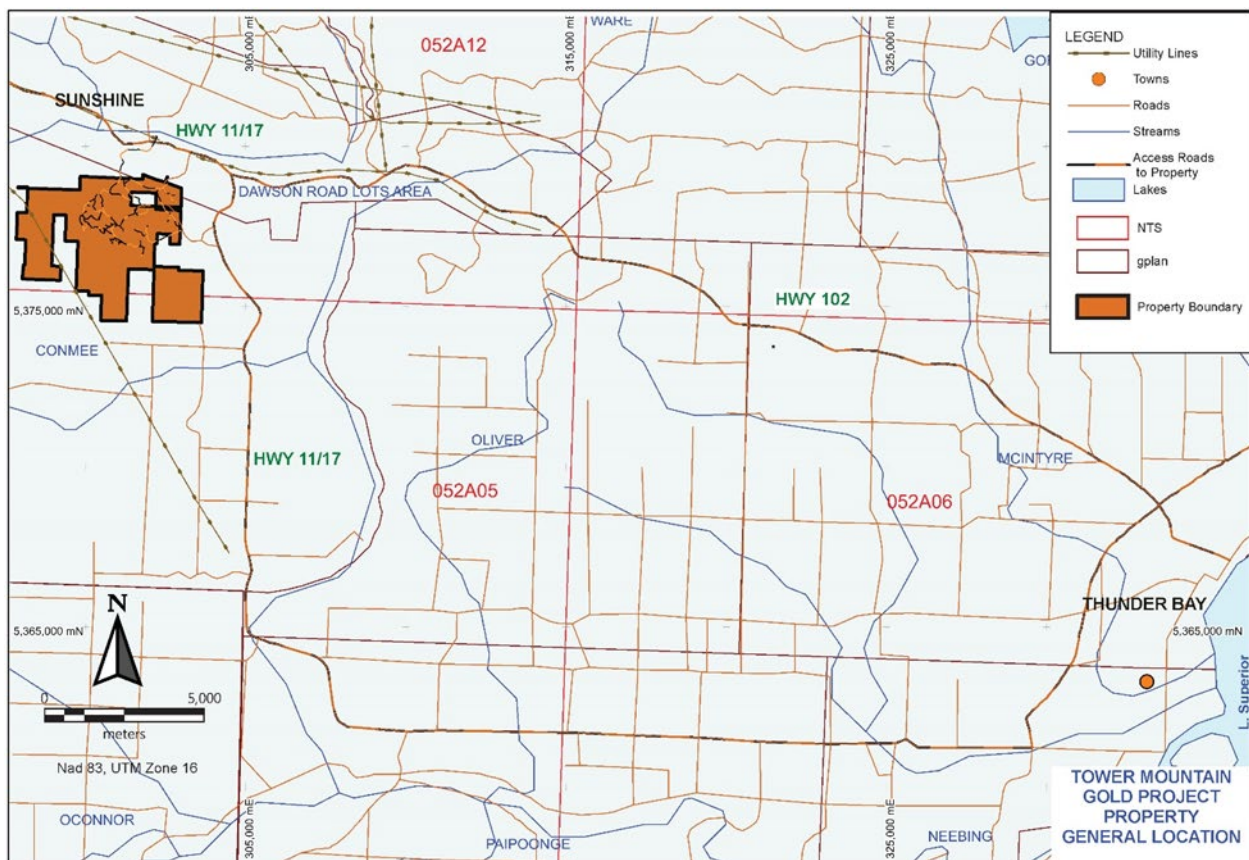


Figure 4: Tower Mountain general location map.

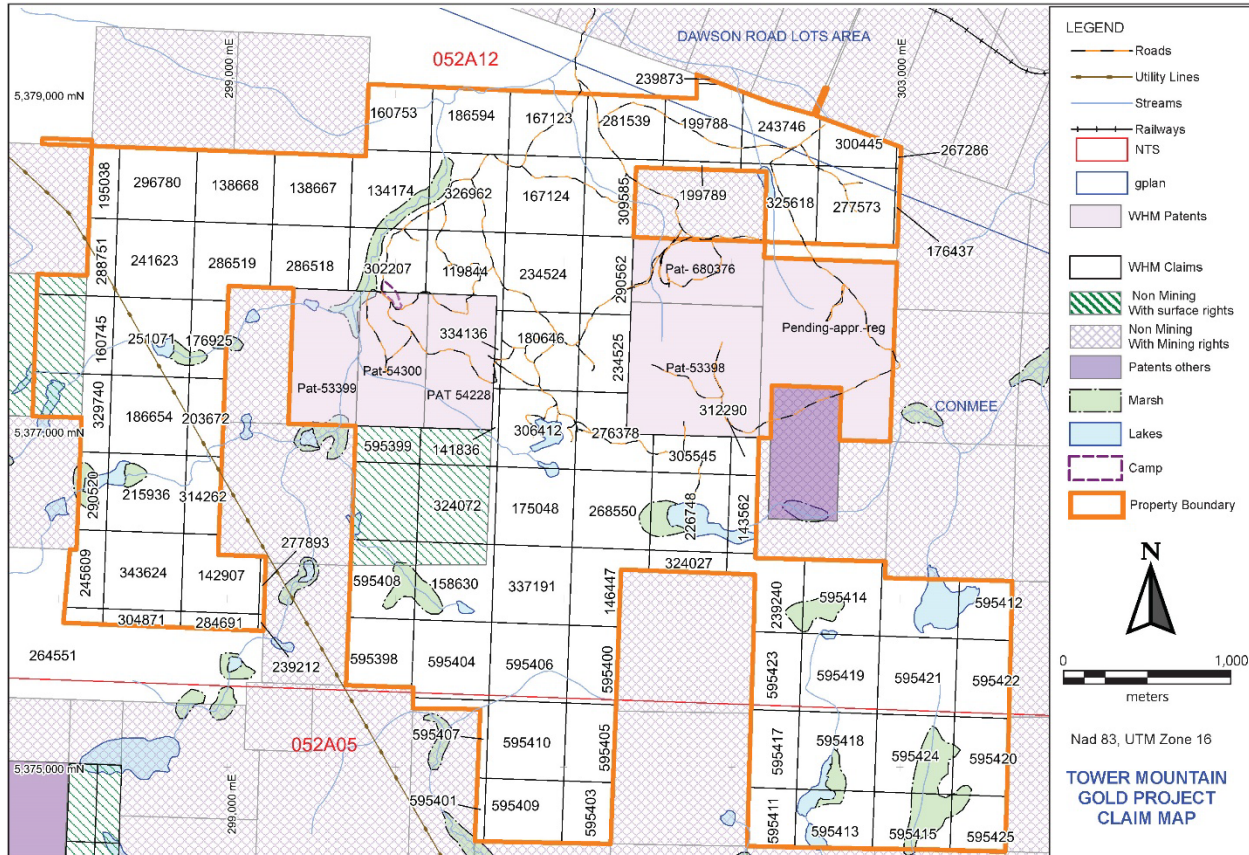


Figure 5: Tower Mountain claim map.

3. Work 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 past 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 was 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 litho-geochemical 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-03-5. 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 additional 50 drill holes at 13,000m

Highlights.

- 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 over 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 over 24m.

Valgold from 2007 to 2012: mainly diamond drilling with 35 holes totalling 6471m.

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.

White Metal Resources (Thunder Gold as of 2021) – 2020: collected 322 grab samples from August 31 to September 15, covering an approximate area of 2.0 kilometres by 1.2 kilometres on the center claims. 39 samples returned values of 1 g/t Au to 16.2 g/t Au.

4. Geological Setting

4.1 Regional Geology

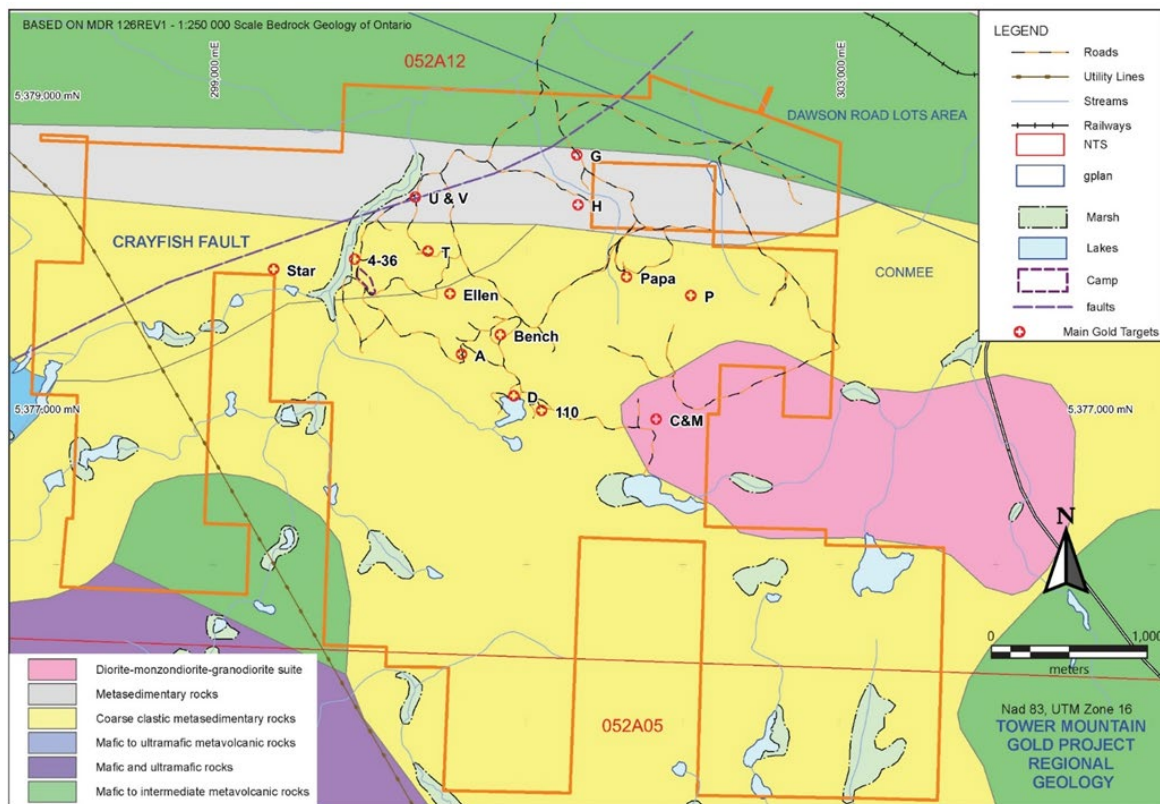
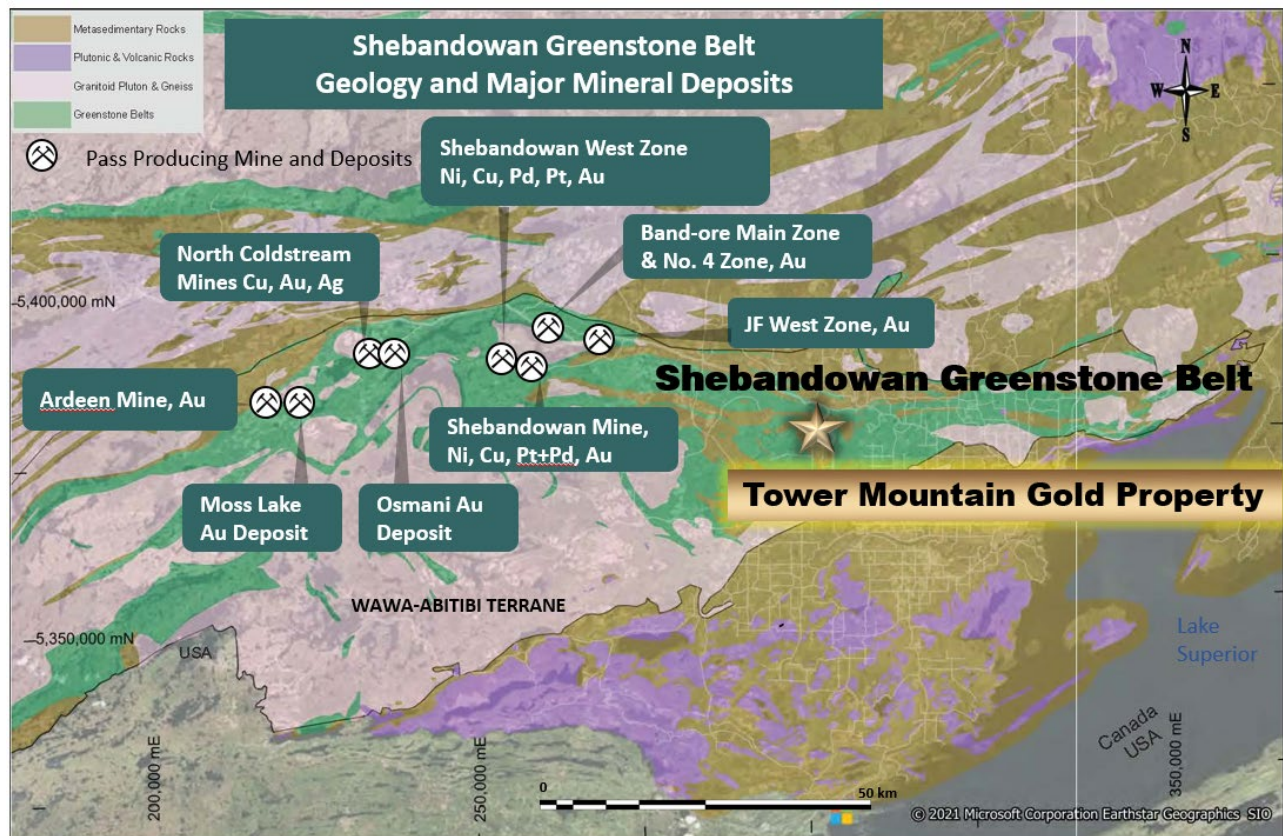


Figure 6: Bedrock geology (MRD 126REV1)



Ontario Geological Survey 2011. 1:250 000 scale bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release---Data 126-Revision 1. Mineral Deposit Inventory Database - MDI
 Figure 7: Ontario bedrock map and major mineral deposits.

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. 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. See figure 6 for regional geology map based on 1:250 000 Scale Bedrock Geology of Ontario, MRD 126REV.

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 7).

4.2 Property Geology

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 aeromagnetism 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. See figure 8.

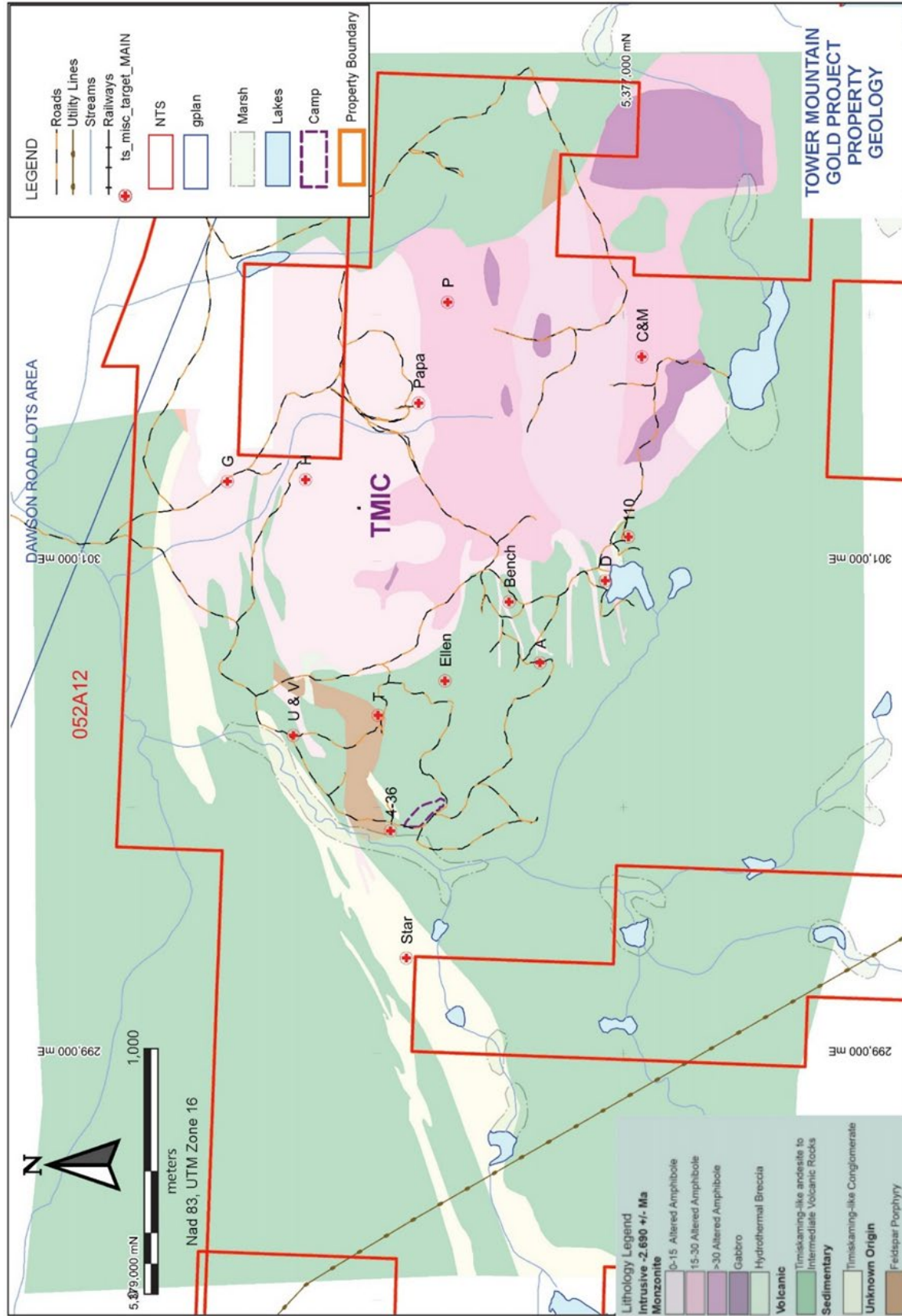


Figure 8: Property geology map based on Miscellaneous Release—Data 330

5. Phase 2 Drilling 2021

Phase 2 drilling on the Tower Mountain Project started July 7 and ended on September 13 and was carried out by Berube Repairs. It comprised of 19 holes totalling 3759.45 metres, was designed to (1) test the depth potential of some of the historical gold showings located throughout the Property, (2) test for down-dip extensions based on historical drilling, and (3) test new areas discovered as a result of the fall 2020 prospecting program such as the newly discovered Ellen Zone.

Hole No.	Target	Easting	Northing	Az	Dip	Metres	No of Samples	Comments
TM-21-98	TM-21-94	300418.1	5377672.1	45	-50	200	134	test downdip intercept from TM-21-94
TM-21-99	TM-21-94	300436.2	5377654.6	45	-50	197	136	test east strike extent from TM-21-94
TM-21-100	TM-21-94	300400.6	5377689.9	45	-50	200	154	test west strike extent from TM-21-94
TM-21-101	TM-07-55	300505.0	5377896.2	30	-70	268	181	test downdip potential
TM-21-102	TM-07-54	300398.4	5377932.1	30	-50	140	91	test possible strike continuity between P-7 and P-8
TM-21-103	TM-04-35	300299.2	5377993.5	30	-50	149	102	test downdip potential
TM-21-104	TM-04-30	301028.0	5377589.0	29	-45	84.25	58	go down TM-04-30 shutdown in >1 gt at 200m
TM-21-105	TM-04-28	300633.6	5377545.9	70	-50	224	152	test downdip potential
TM-21-106	TM-11-75	300669.9	5377514.6	70	-70	230	158	test downdip potential
TM-21-107	TM-11-76	300767.0	5377477.0	70	-55	204.2	140	test downdip potential
TM-21-108	TM-21-97	300573.0	5377335.0	70	-65	389	270	test downdip potential
TM-21-109	S-86-08	300554.0	5377430.0	180	-50	185	119	twin Noranda hole
TM-21-110	IP	301083.5	5376993.1	70	-50	143	99	chargeability high anomaly
TM-21-111	IP	300598.6	5377932.6	70	-50	209	123	chargeability high anomaly
TM-21-112	TM-21-98	300400.6	5377689.9	45	-70	194	131	test down dip

Hole No.	Target	Easting	Northing	Az	Dip	Metres	No of Samples	Comments
TM-21-113	TM-21-100	300418.1	5377672.1	45	-70	224	153	test down dip
TM-21-114	TM-21-100	300383.5	5377708.0	45	-50	212	143	test strike extent from TM-21-100
TM-21-115	TM-04-36	299933.0	5377882.0	318	-60	131	81	test at depth
TM-21-116	IP	299933.0	5377882.0	210	-50	176	113	chargeability high anomaly

3759.45

Total Metres Drilled

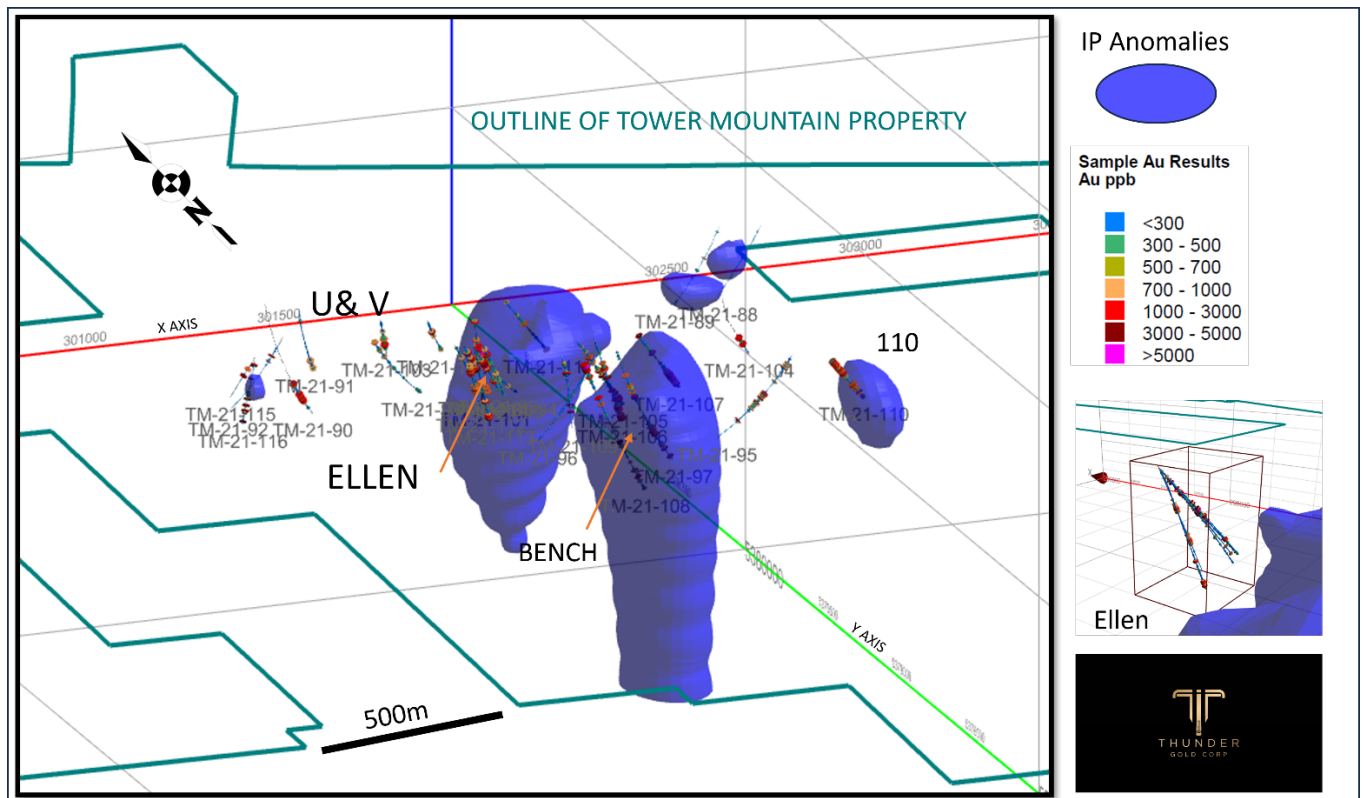


Figure 9: 3d view of IP Anomalies and drilling.

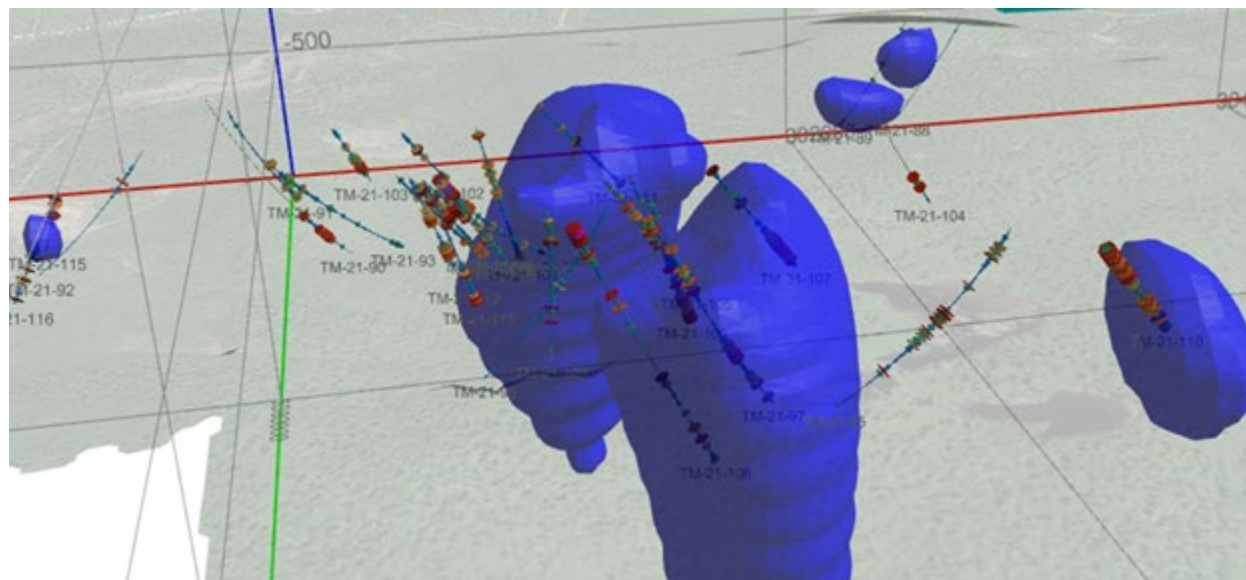


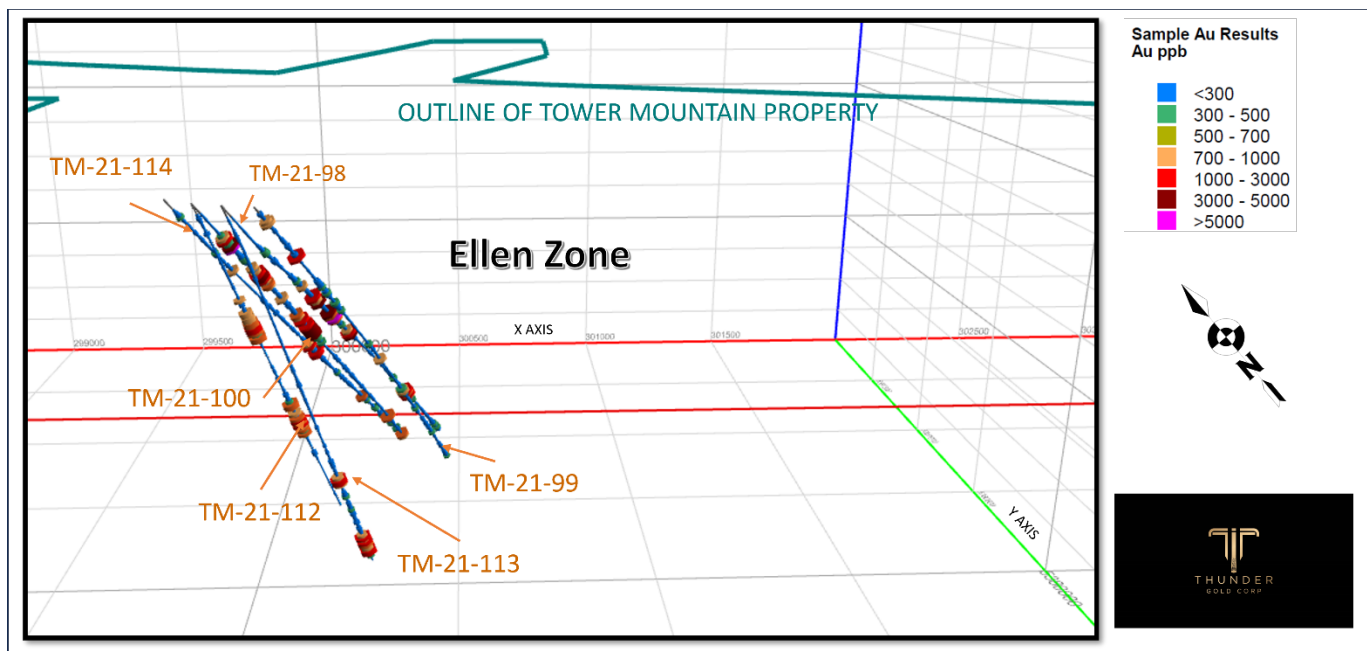
Figure 10: Zoom of figure 9 to IP.

5.1 Summary for Drilling

Ellen Zone

Hole TM-21-98, drilled 20 m southwest of and on section with TM-21-94, confirmed the down-dip extension of the Ellen Zone, returning anomalous to high-grade gold between 72.5 m and 107 m that range from 61 ppb to 5,800 ppb Au (23 samples). The weighted average of this 34.5 m interval is 1.11 g/t Au, including 2.01 g/t Au over 9 m (from 86 m).

Hole TM-21-99, drilled 25 m to the southeast of TM-21-94, was designed to test the southeast strike-extension of the Ellen Zone but returned gold mineralization ranging from 6 ppb to 1,300 ppb Au in 129 samples. Holes TM-21-98, TM-21-100, TM-21-112, TM-21-113 and TM-21-114



Bench Zone

Holes TM-21-105,106,107: three holes designed to test the down-dip extension of the central portion of the Bench Zone, over a strike length of 150 metres. Successful in extending the zone 40 m to 50 m to the southwest with TM-21-105 and TM-21-106 returning significant widths of gold mineralization between 150 m and 169.5 m, including a number of zones with >1.0 g/t Au. This includes an as yet unnamed new zone, about 150 m below surface, intersected by TM-21-106 that returned 1.01 g/t Au over 58.50 m and remains open at depth.

A Zone

Hole TM-21-108: designed to test for the east extension of the main A Zone horizon. Successful in intersecting the zone, returning 3.94 g/t Au over 23.8 m, including 8.77 g/t Au over 7.5 m, starting from surface (3.7 m). Although the A Zone was previously worked by Inco Limited and Noranda Exploration Inc., only sparse work and data was reported.

110 Zone

Hole TM-21-110: designed to test a high priority DasVision 3D-IP chargeability anomaly, approximately 250 m southeast of the south extent of the Bench Zone (Figure 1). Successful targeting, resulting in the discovery of a new gold zone. Entire length of the hole (143.0 m) returned anomalous gold (average 0.44 g/t Au) with the main part of the zone returning 0.75 g/t Au over 52.0 m (from 2.5 m), including 1.02 g/t Au over 7.5 m (from 47.0 m). It should be noted that the style of mineralization in the 110 Zone is unlike any mineralization found on the Property to date in that it is wholly-hosted within an intrusive monzonite body with less than 1% pyrite and trace chalcopyrite in quartz-carbonate fractures; the majority of known gold mineralization is hosted by altered metavolcanic rocks.

Two holes from the 2021-2022 program directly targeted this mineralization; TM-21-92 phase 1 and TM-21-115 phase 2.

Linking the intersections from historic holes TM-04-36 and TM-11-59 shows a 300° strike roughly parallel to Bench and main structural trend throughout the property. TM-21-92 was designed to test directly underneath main intercept of 04-36 as well as within <20m of intercept from TM-05-38 and test possible WNW strike from 4.5m wide intercept from TM-07-51 @ 102.5-107m that graded 1.37 g/t. Should be noted that the highest value, 3.62 g/t Au occurs within a 1.6m shear zone at 168.6-170.0m characterized by local black bands 5-10cm wide but mostly infilled with quartz +/- calcite with wispy pyrite and local sub-parallel chlorite stringers. Assays adjacent to this 1.4m intercept on both sides are only weakly anomalous which also characterizes the very high grade intercept from TM-04-36.

Drill Hole	From (m)	To (m)	Interval (m)	Au (g/t)	Zone
TM-21-98	72.50	107.00	34.50	1.11	Ellen
incl.	86.00	93.50	7.50	2.33	
and	159.50	165.50	6.00	1.02	
TM-21-99	no significant assays				Between T & Ellen
TM-21-100	23.00	113.00	90.00	1.23	
incl.	23.00	33.50	10.50	3.68	
incl.	51.50	65.00	13.50	1.56	
incl.	92.00	113.00	21.00	2.75	
TM-21-101	68.00	138.50	70.50	0.27	
incl.	71.00	77.00	6.00	0.51	Between T & Ellen
TM-21-102	47.00	60.50	13.50	0.73	
TM-21-103	81.50	129.50	48.00	0.61	
incl.	105.50	116.00	10.50	1.52	Bench
TM-21-04	no significant assays				
TM-21-105	188.00	210.50	22.50	0.75	
incl.	200.00	210.50	10.50	1.11	
TM-21-106	80.00	230.00	150.00	0.56	
incl.	171.50	230.00	58.50	1.01	
incl.	215.00	230.00	15.00	1.74	A Zone
TM-21-107	143.00	192.50	49.50	0.84	
incl.	143.00	164.00	21.00	1.29	
TM-21-108	3.70	59.00	55.40	1.81	A Zone
incl.	3.65	27.50	23.80	3.94	
incl.	8.00	15.50	7.50	8.77	
TM-21-109	116.50	140.50	24.00	1.02	110
TM-21-110	2.50	54.50	52.00	0.75	
incl.	47.00	54.50	7.50	1.02	IP Target #3
TM-21-111	89.00	96.50	7.50	0.73	
and	194.00	209.00	15.00	0.32	Ellen
TM-21-112	56.00	81.50	25.50	0.68	
and	120.50	144.50	24.00	0.62	
TM-21-113	164.00	239.00	75.00	0.53	
incl.	204.50	221.00	16.50	1.01	
incl.	228.50	239.00	10.50	0.77	
TM-21-114	281.00	317.00	36.00	0.21	IP Target #5 4-36
incl.	281.00	287.00	6.00	0.38	
TM-21-115	57.50	62.00	4.50	1.40	
TM-21-116	93.50	170.00	76.50	0.29	IP Target #5 4-36
incl.	125.00	170.00	45.00	0.37	
incl.	137.00	146.00	9.00	0.65	

5.2 METHODOLOGY

Logging

Geological core logging was completed by a senior geologist on paper then transcribed into an Excel spreadsheet and includes detailed lithological descriptions plus numerous columns detailing tenor and/or percentages of sulphides, alteration and veining. All core orientation and subsequent measurements was completed by a senior geologist. Geotechnical logging (recovery and RQD) and magnetic susceptibility measurements was mostly done by the senior geologist but delegated to trained geotechnicians when available.

Sampling

All samples were 1.5 metres except occasionally for the very top sample and/or very bottom sample. Initially sample tags were inserted at the top of the sample in the core box for Phase 1 and 2.

Once cut and bagged samples were placed in rice bags generally at five samples/bag and then kept in a locked steel container until ready to transport to ACT Labs in Thunder Bay by White Metal personnel. As no third party was needed for shipment chain of custody tags were not used.

Sample Analysis

All samples were delivered to ACT Labs facility by WHM staff and prepared and analyzed as listed below.

- RX1: Crush (< 7 kg) up to 80% passing 2 mm, riffle split (250 g) and pulverize (mild steel) to 95% passing 105 µm included cleaner sand.
- 1A2: Au by Fire Assay with AA finish – samples returning grades >5000ppb were then assayed with 1A3 with gravimetric finish.
- 1E3: Aqua Regia “Partial” Digestion, multi-element finish by ICP – OES.

The aqua regia partial digestion uses a combination of concentrated hydrochloric and nitric acids to leach

silphides, 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” (from Actlabs 2021 Canadian

schedule of fees and services, p.8).

Samples > 1 g/t Au from Phase 1 and 2 were then re-assayed using Total Digestion UltraTrace-4 and described below.

This acid attack is the most vigorous digestion used in geochemistry. It will employ hydrochloric, nitric, perchloric and hydrofluoric acids. Even with this digestion, certain minerals (barite, gahnite, chromite, cassiterite, etc.) may only be partially dissolved or stable in solution. Other minerals including zircon, sphene and magnetite may not be totally dissolved. Most other silicates will be dissolved, however some elements will be erratically volatilized, including As, Sb, Cr, U and Au. Near-Total digestion cannot be used to obtain accurate determinations of REE, Ta, Nb, As, Sb, Sn, Hg, Cr, Au and U. (from Actlabs 2021

Canadian schedule of fees and services, p.9). This was done in attempt to better assess alteration and/or indicator minerals associated with gold mineralization. Discussion of these results are further in the report.

QAQC

Combining all three phases of drilling a total of 7030 samples were submitted for analysis. Of these 351 are QAQC samples purchased from OREAS (Ore Research and Exploration Assay Standards) based in Sudbury, ON. QAQC samples were inserted for every 20th sample alternating as blank-standard throughout and thus the totals are basically split evenly between blank material (175) and gold standards(176). Sample numbers for all QAQC samples end with xxxx00, xxxx20, xxxx40, xxxx60, xxxx80. Six different gold standards and the one blank value were used and are listed below with the OREAS fire assay value.

6. Recommendations

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.

7. 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 directly by Ontario mining exploration companies since 2002 as the sole proprietary of Salo Geoscience Services.
3. I am a professional geologist.

Cathy Salo, P.Ge

Salo Geoscience Services

Date: July 13, 2023

8. References

Chataway, R.T. (2012) Assessment Report for the 2011 Drilling Program on Valgold Resources Ltd's Tower Mtn. Property, Thunder Bay Mining District, Ontario Conmee Township, NTS 52 A 12

Chataway, R.T. (2004-05) Assessment Report On The Tower Mountain Property Conmee Township, Ontario Thunder Bay Mining Division Nts 52af12

MACKASEY, W.O., BLACKBURN, C.E. and TROWELL, N.F. (1974); A Regional Approach to The Wabigoon-Quetico Belts and Its Bearing on Exploration in Northwestern Ontario, Miscellaneous Paper 58

Ontario Geological Survey 2011. 1:250 000 scale bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release---Data 126-Revision 1.

Osmani, I.A., 1997. Geology and mineral potential: Greenwater Lake area, WestCentral Shebandowan Greenstone Belt; Ontario Geological Survey, Report 296

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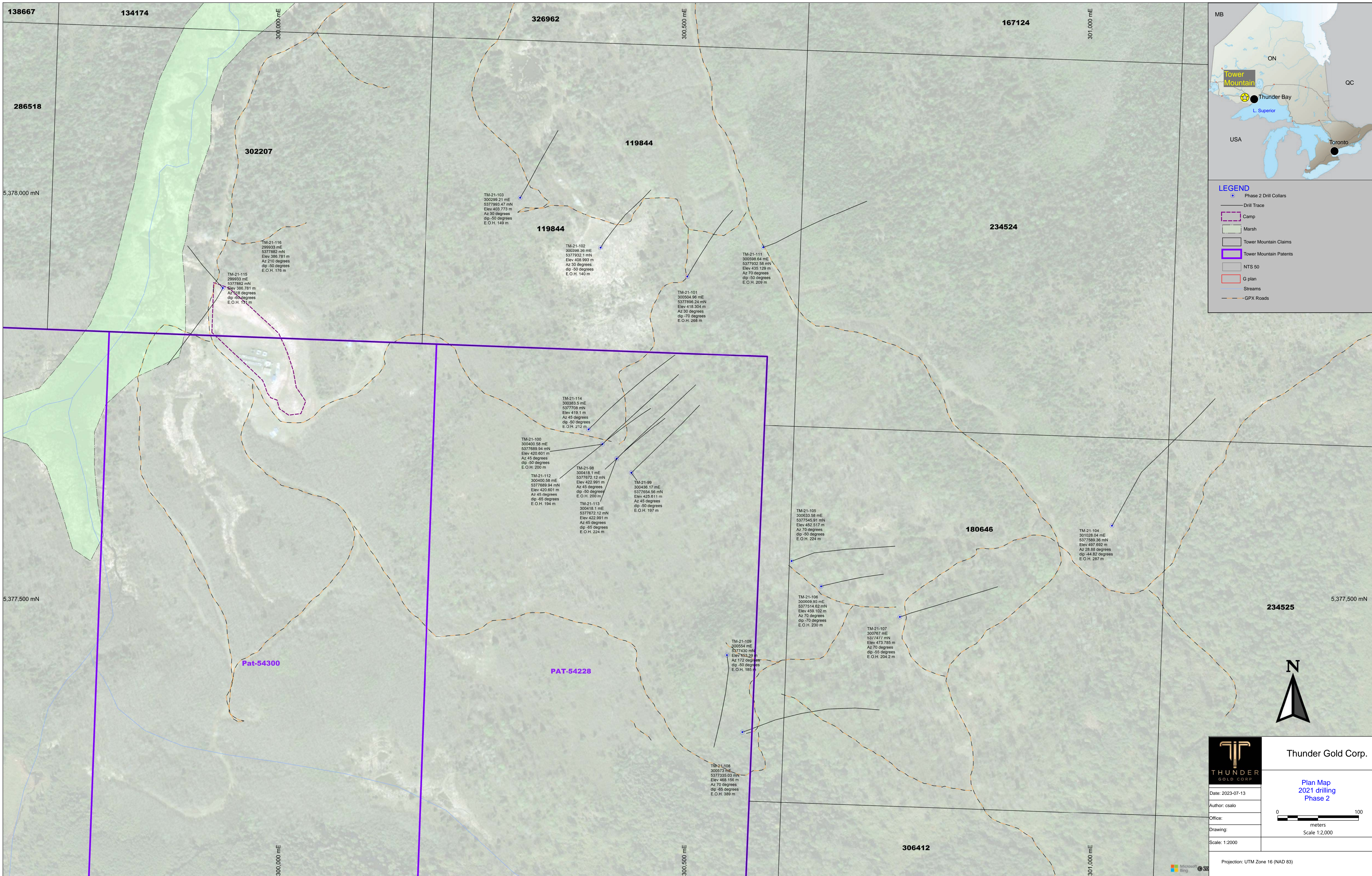
Wesa, Gary and Pollock, Tom (2007)-Trenching And Diamond Drilling Report On The Tower Mountain Property Conmee Township, Ontario Thunder Bay Mining Divisions 52a/12

1987: Geological Setting of Gold Mineralization in the Western Part of the Shebandowan Greenstone Belt, District of Thunder Bay, Northwestern Ontario; Ontario Geological Survey, Open File Report 5636,

APPENDIX I
List of claims

Tenure No.	Type	status	Issue date	Anniversary	Claim Due	Holder
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 II DRILL PLAN



LEGEND

- Phase 2 Drill Collars
- Drill Trace
- Camp
- Marsh
- Tower Mountain Claims
- Tower Mountain Patents
- NTS 50
- G plan
- Streams
- GPX Roads

Thunder Gold Corp.

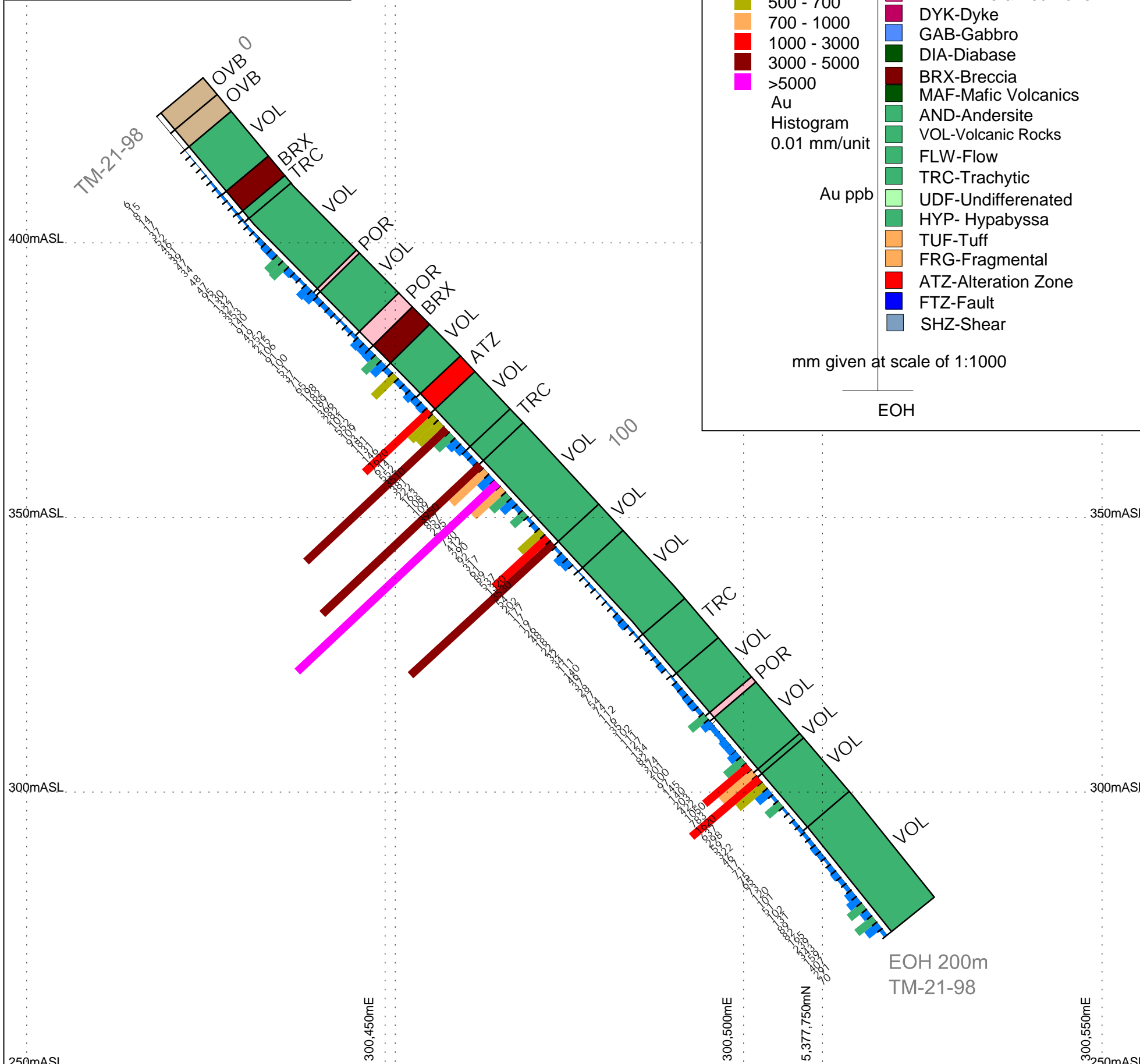
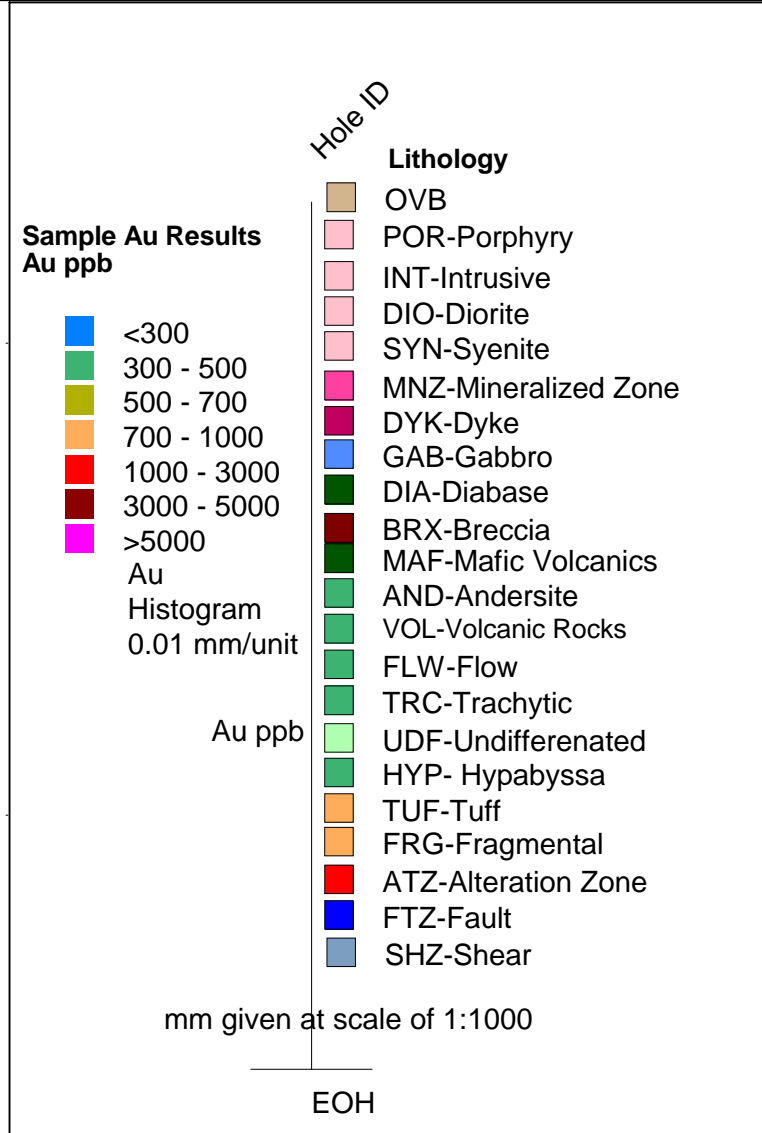
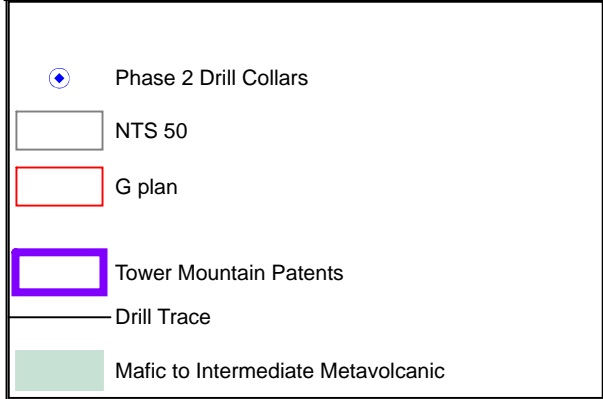
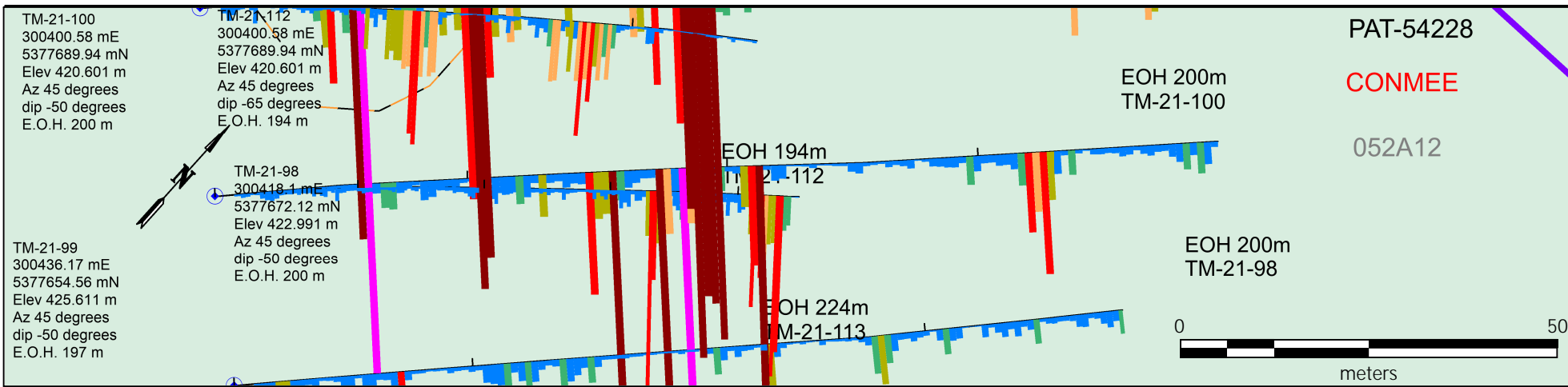
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2021 drilling
Phase 2**

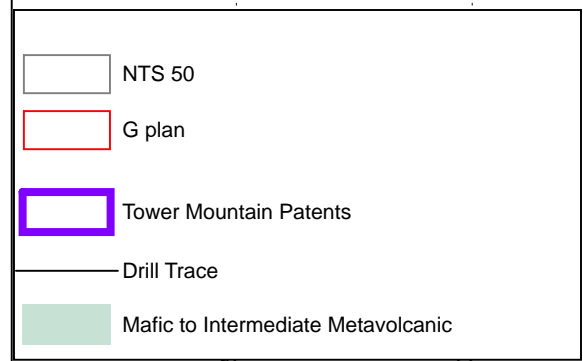
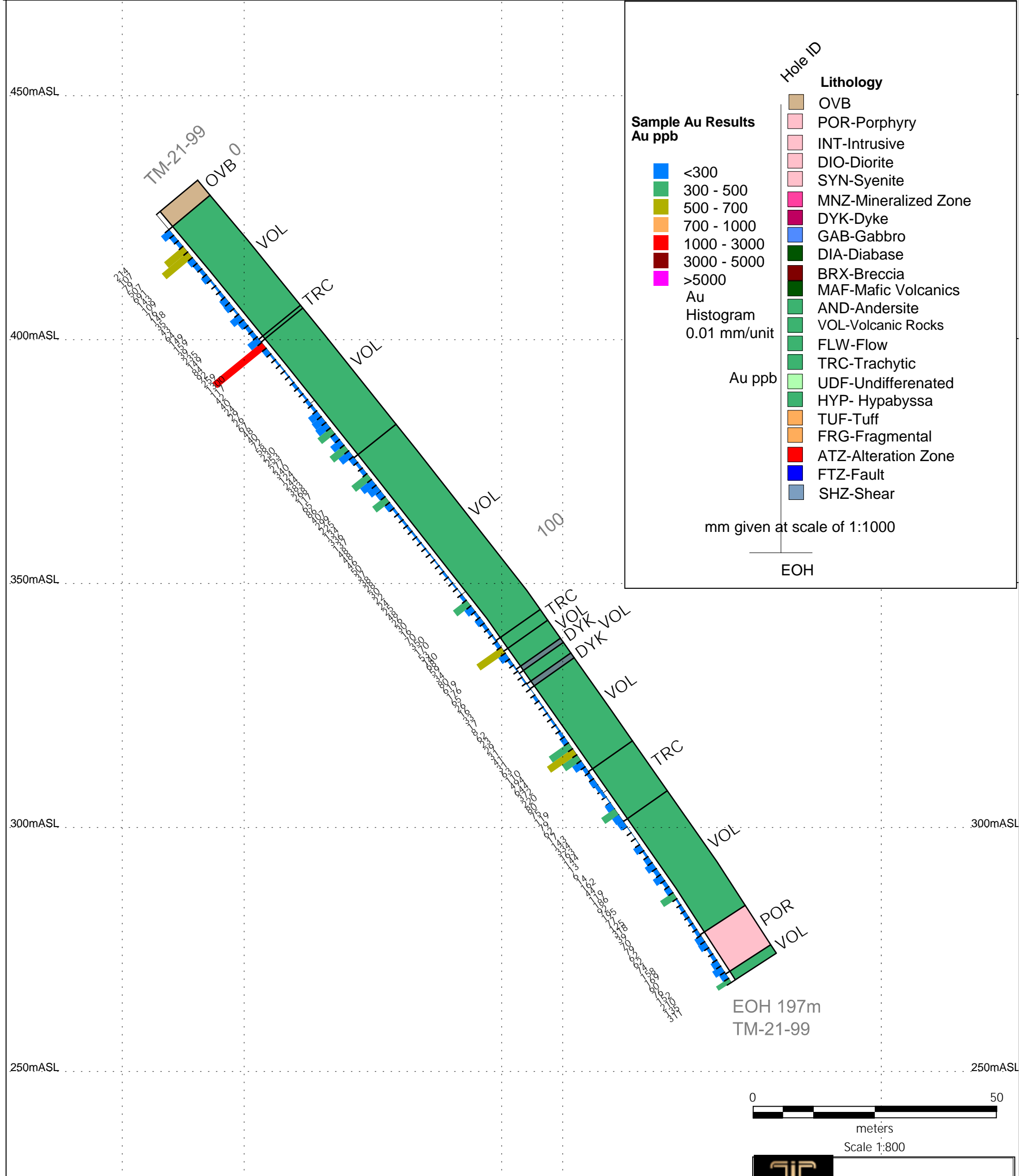
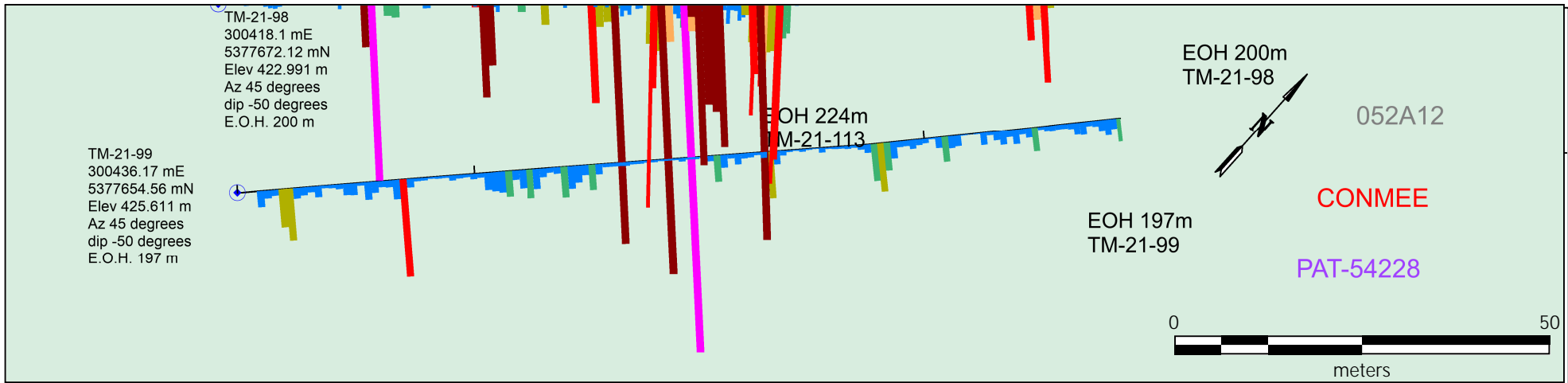
Date: 2023-07-13
 Author: csalo
 Office:
 Drawing:
 Scale: 1:2000

0 100
 meters
 Scale 1:2,000

Projection: UTM Zone 16 (NAD 83)

APPENDIX III DRILL SECTIONS



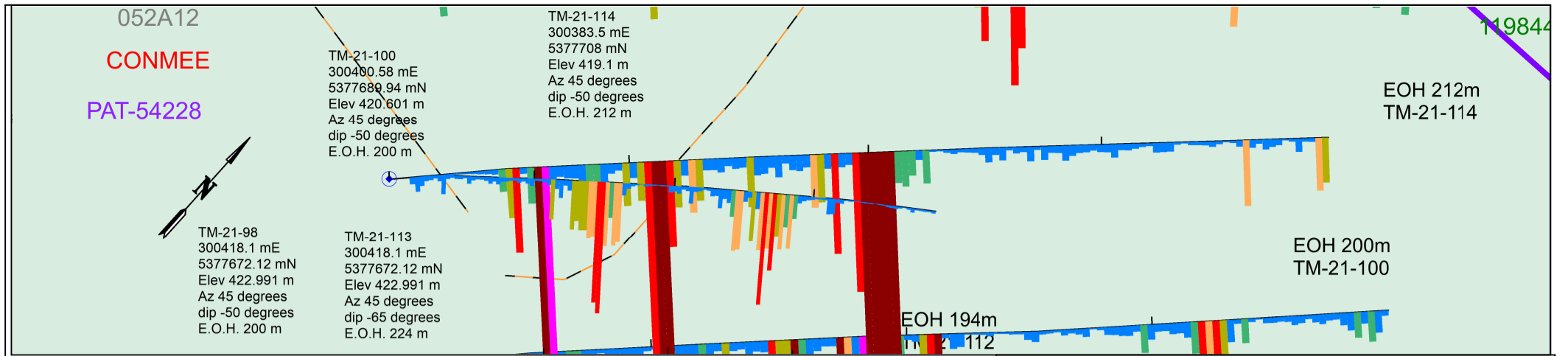


THUNDER GOLD CORP

Date: 2023-07-11
Author: csalo
Office:
Drawing:
Scale: 1:800
Projection: Non-Earth (meters)

Scale 1:800
Section Origin (top left)
300,431.53 m E
5,377,650.58 m N
519.12 m RL
Orientation 50.0 deg

**Tower Mountain Project
Section TM-21-99
Phase 2**



- NTS 50
- G plan
- Tower Mountain Patents
- Tower Mountain Claims
- Phase 2 Drill Collars
- Drill Trace
- GPX Roads
- Mafic to Intermediate Metavolcanics

Sample Au Results
Au ppb

- <300
- 300 - 500
- 500 - 700
- 700 - 1000
- 1000 - 3000
- 3000 - 5000
- >5000

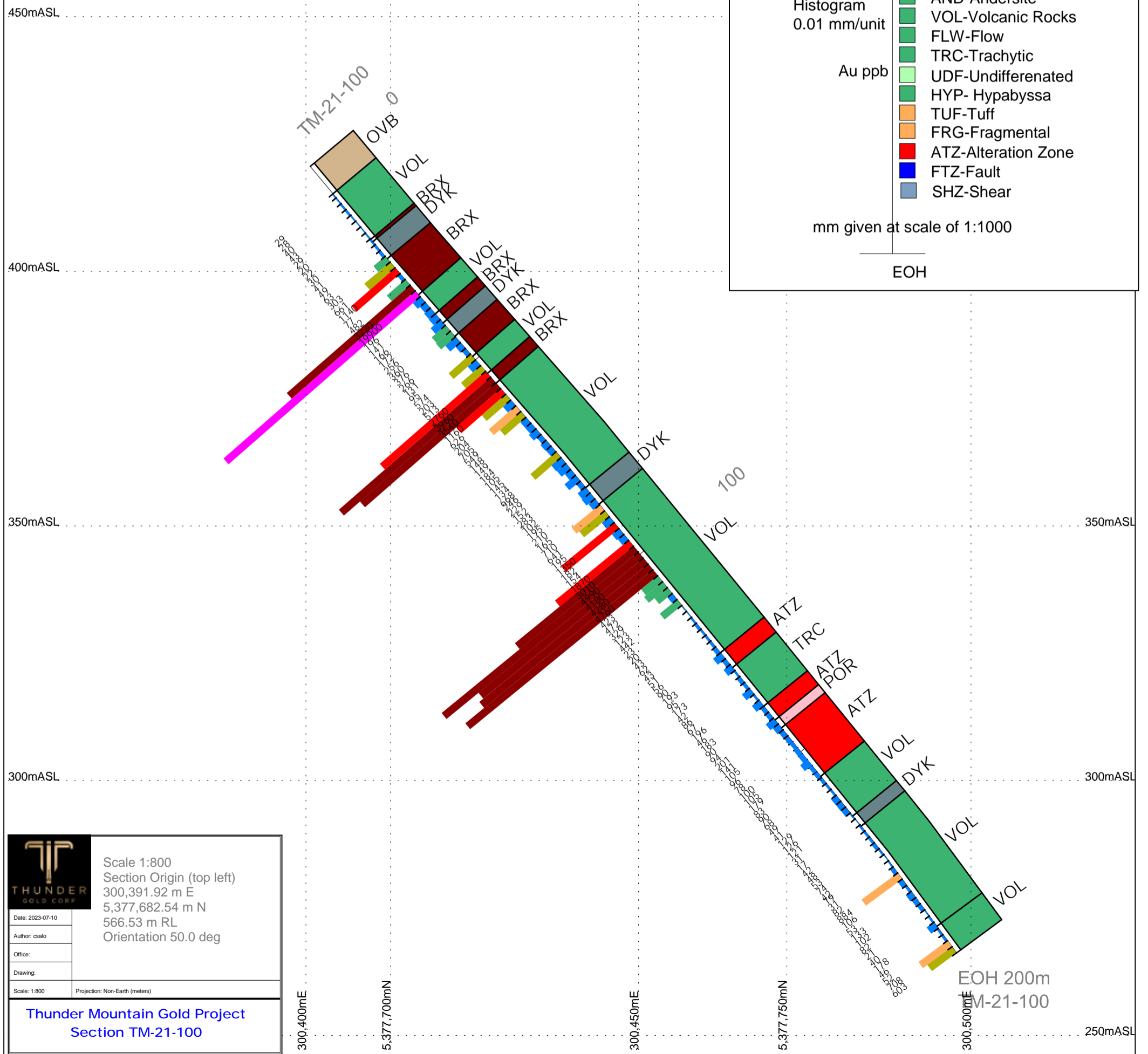
Au
Histogram
0.01 mm/unit

Lithology

- OVB
- POR-Porphyry
- INT-Intrusive
- DIO-Diorite
- SYN-Syenite
- MNZ-Mineralized Zone
- DYK-Dyke
- GAB-Gabbro
- DIA-Diabase
- BRX-Breccia
- MAF-Mafic Volcanics
- AND-Andersite
- VOL-Volcanic Rocks
- FLW-Flow
- TRC-Trachytic
- UDF-Undifferentiated
- HYP- Hypabyssa
- TUF-Tuff
- FRG-Fragmental
- ATZ-Alteration Zone
- FTZ-Fault
- SHZ-Shear

mm given at scale of 1:1000

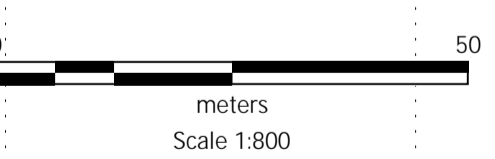
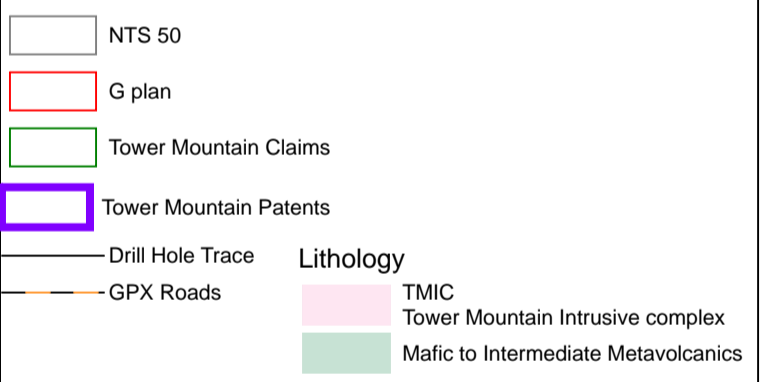
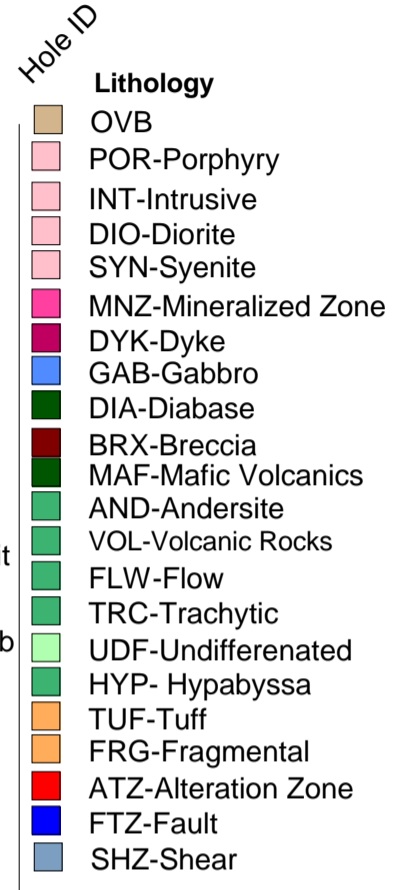
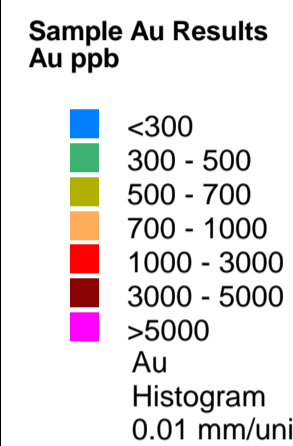
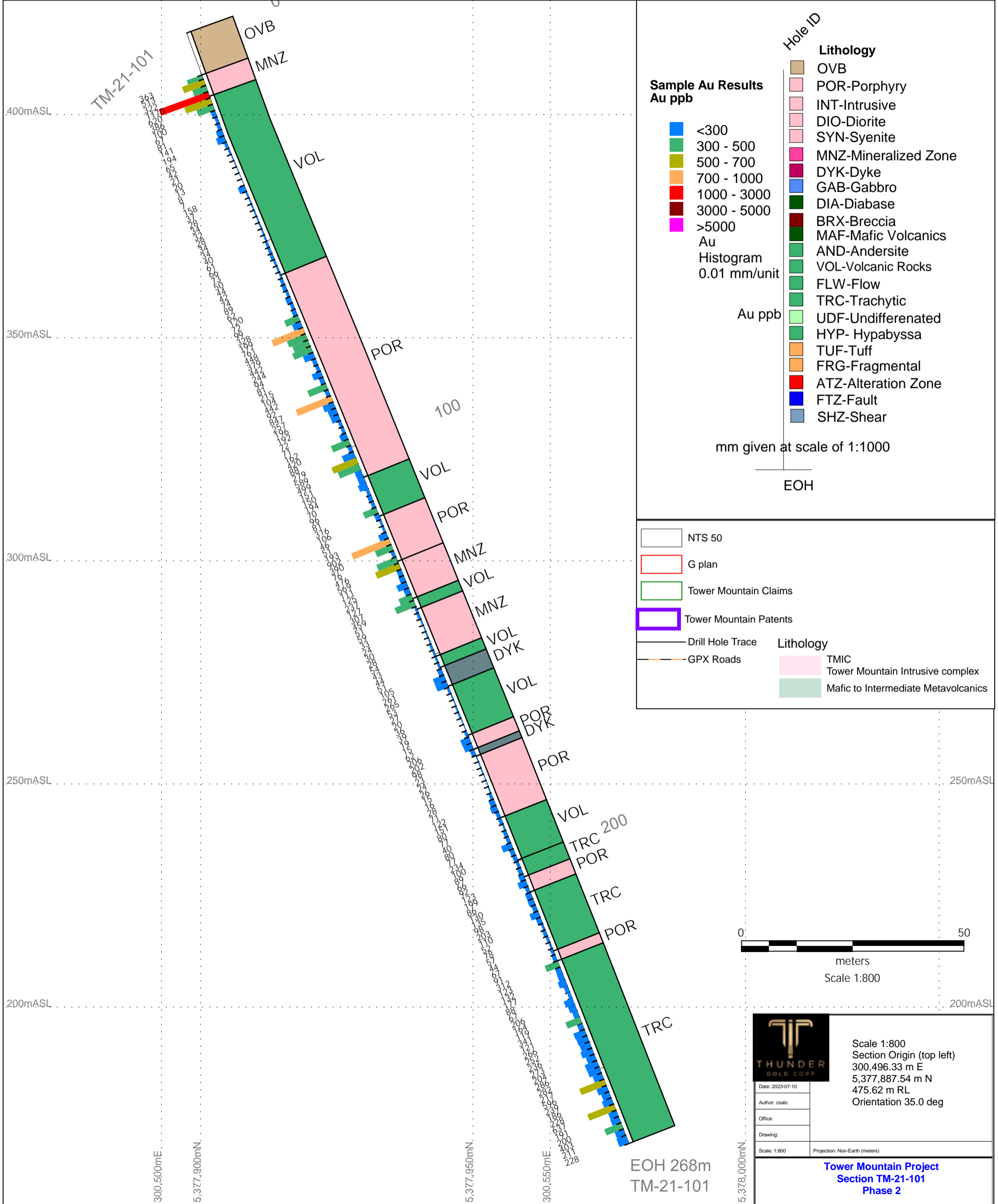
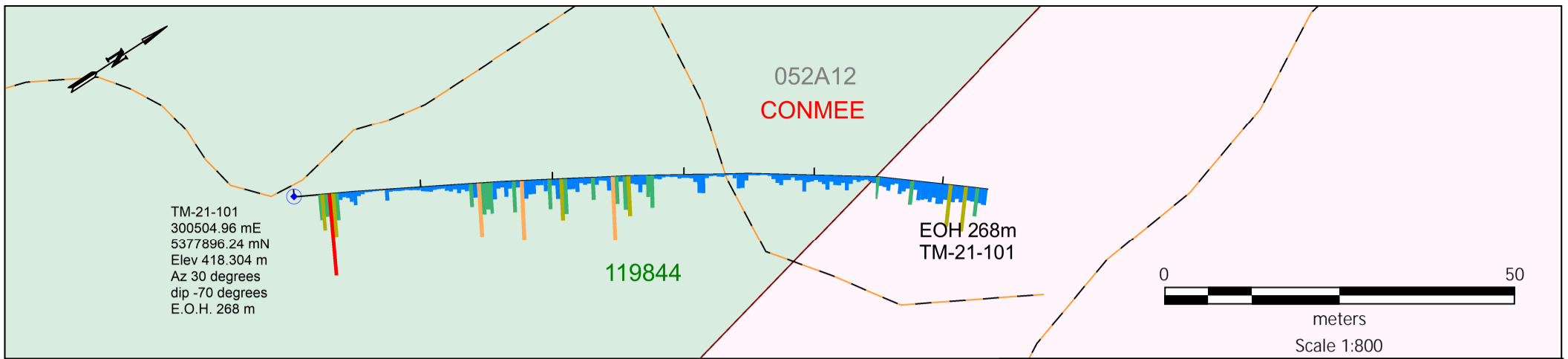
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300,391.92 m E
5,377,682.54 m N
566.53 m RL
Orientation 50.0 deg

Date: 2023-07-10
Author: csalo
Office:
Drawing:
Scale: 1:800
Projection: Non-Earth (meters)

Thunder Mountain Gold Project
Section TM-21-100



THUNDER GOLD CORP.

Date: 2023-07-10
 Author: csalo
 Office:
 Drawing:
 Scale: 1:800
 Projection: Non-Earth (meters)

Scale 1:800
 Section Origin (top left)
 300,496.33 m E
 5,377,887.54 m N
 475.62 m RL
 Orientation 35.0 deg

Tower Mountain Project
Section TM-21-101
Phase 2

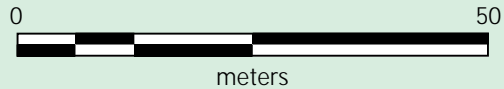
TM-21-102
 300398.36 mE
 5377932.1 mN
 Elev 408.993 m
 Az 30 degrees
 dip -50 degrees
 E.O.H. 140 m

052A12

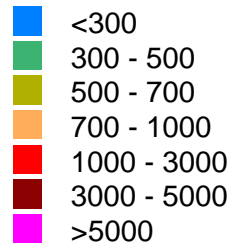
CONMEE

119844

EOH 140m
 TM-21-102



Sample Au Results
 Au ppb



Au
 Histogram
 0.01 mm/unit

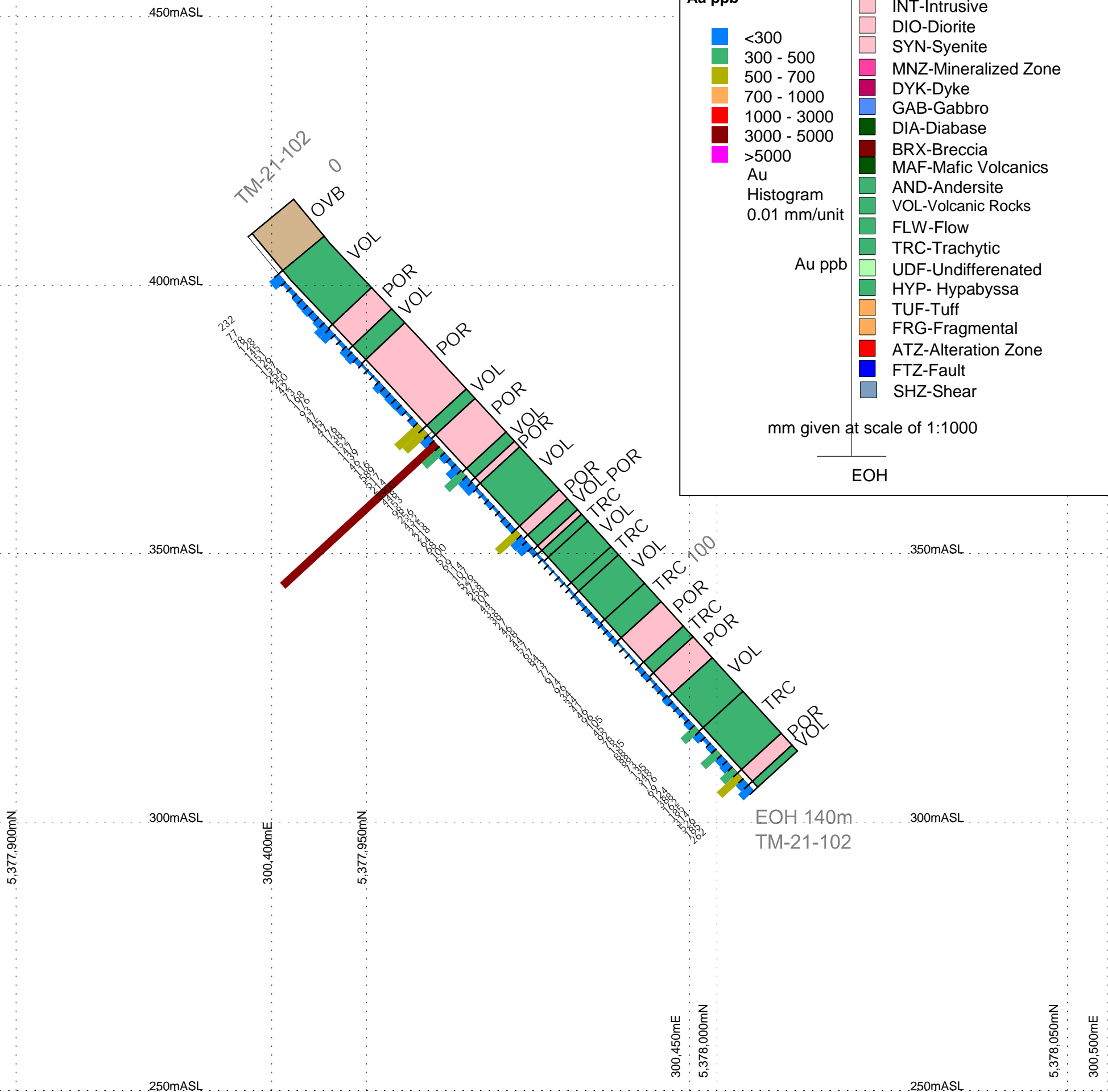
Hole ID

Lithology

- OVB
- POR-Porphyry
- INT-Intrusive
- DIO-Diorite
- SYN-Syenite
- MNZ-Mineralized Zone
- DYK-Dyke
- GAB-Gabbro
- DIA-Diabase
- BRX-Breccia
- MAF-Mafic Volcanics
- AND-Andersite
- VOL-Volcanic Rocks
- FLW-Flow
- TRC-Trachytic
- UDF-Undifferentiated
- HYP- Hypabyssa
- TUF-Tuff
- FRG-Fragmental
- ATZ-Alteration Zone
- FTZ-Fault
- SHZ-Shear

mm given at scale of 1:1000

EOH



- NTS 50
- G plan
- Tower Mountain Claims
- Phase 2 Drill Collars
- Drill Trace
- GPX Roads
- Mafic to Intermediate Metavolcanics



meters
 Scale 1:800



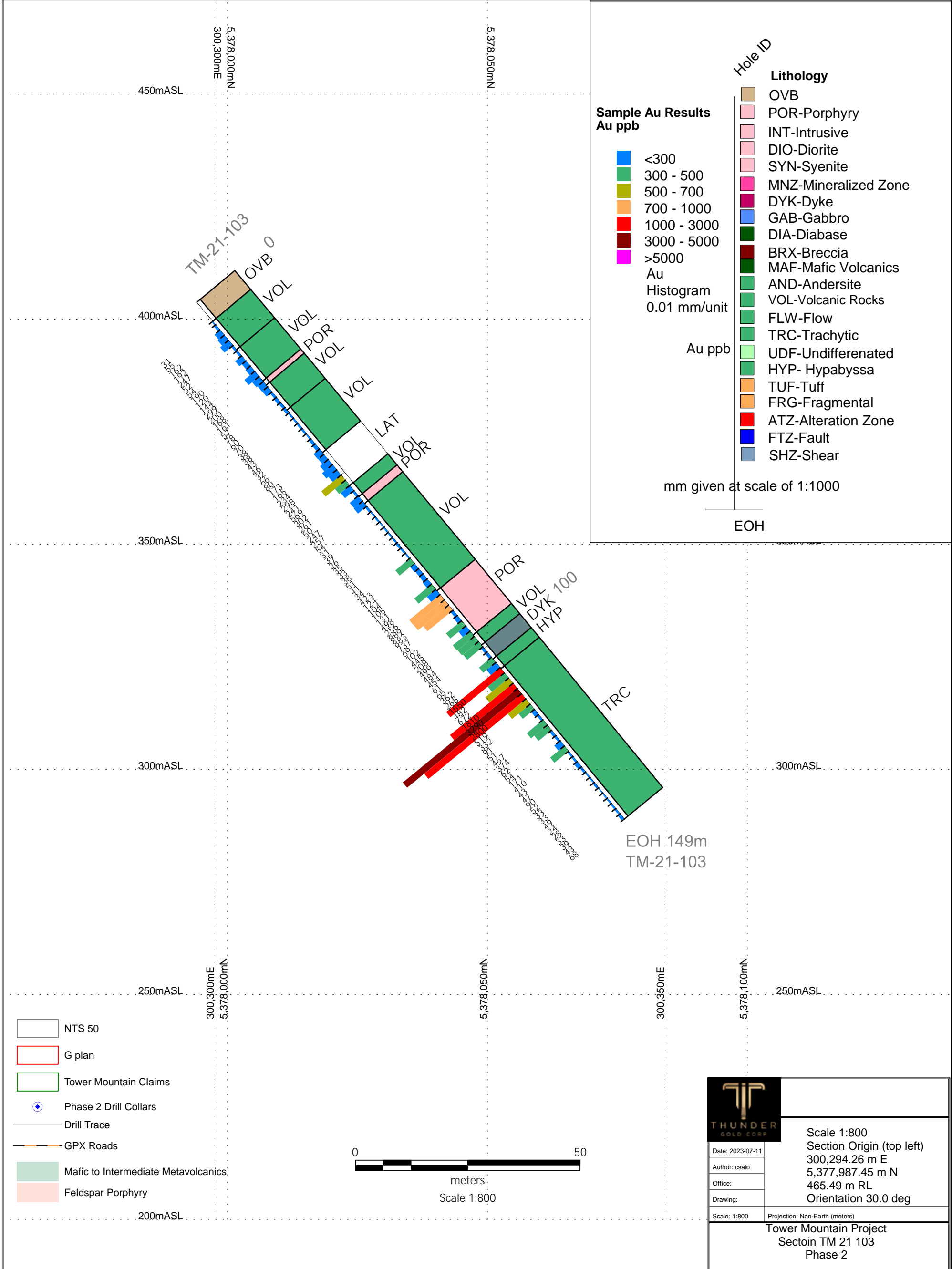
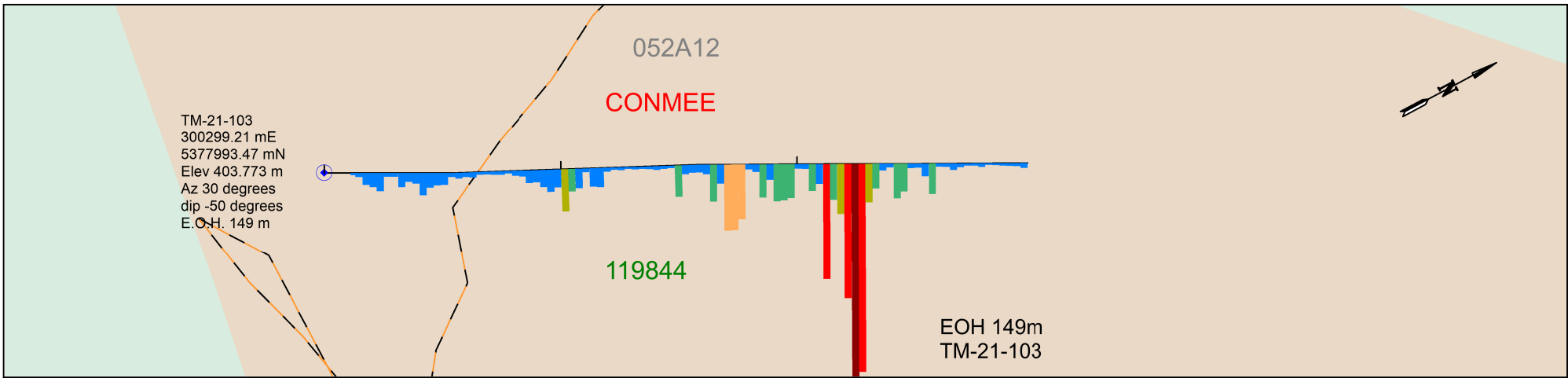
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 Author: csalo
 Office:
 Drawing:

Scale: 1:800

Projection: Non-Earth (meters)

Scale 1:800
 Section Origin (top left)
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 5,377,928.49 m N
 509.45 m RL
 Orientation 40.0 deg

Tower Mountain Project
 Section TM-21-102
 Phase 2



TM-21-104 (DRILLED DOWN TM-04-30)
 301028.04 mE
 5377589.36 mN
 Elev 497.692 m
 Az 28.88 degrees
 dip -44.82 degrees
 E.O.H. 287 m

CONMEE

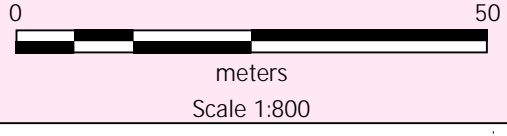
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180646

234525

290562

EOH 287m
 TM-21-104



- NTS 50
- G plan
- Tower Mountain Claims
- Phase 2 Drill Collars
- Drill Trace
- TMIC
- TMIC

Sample Au Results
Au ppb

- <300
- 300 - 500
- 500 - 700
- 700 - 1000
- 1000 - 3000
- 3000 - 5000
- >5000

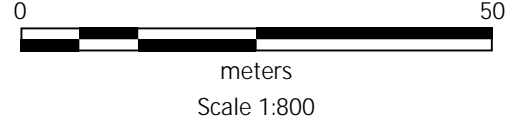
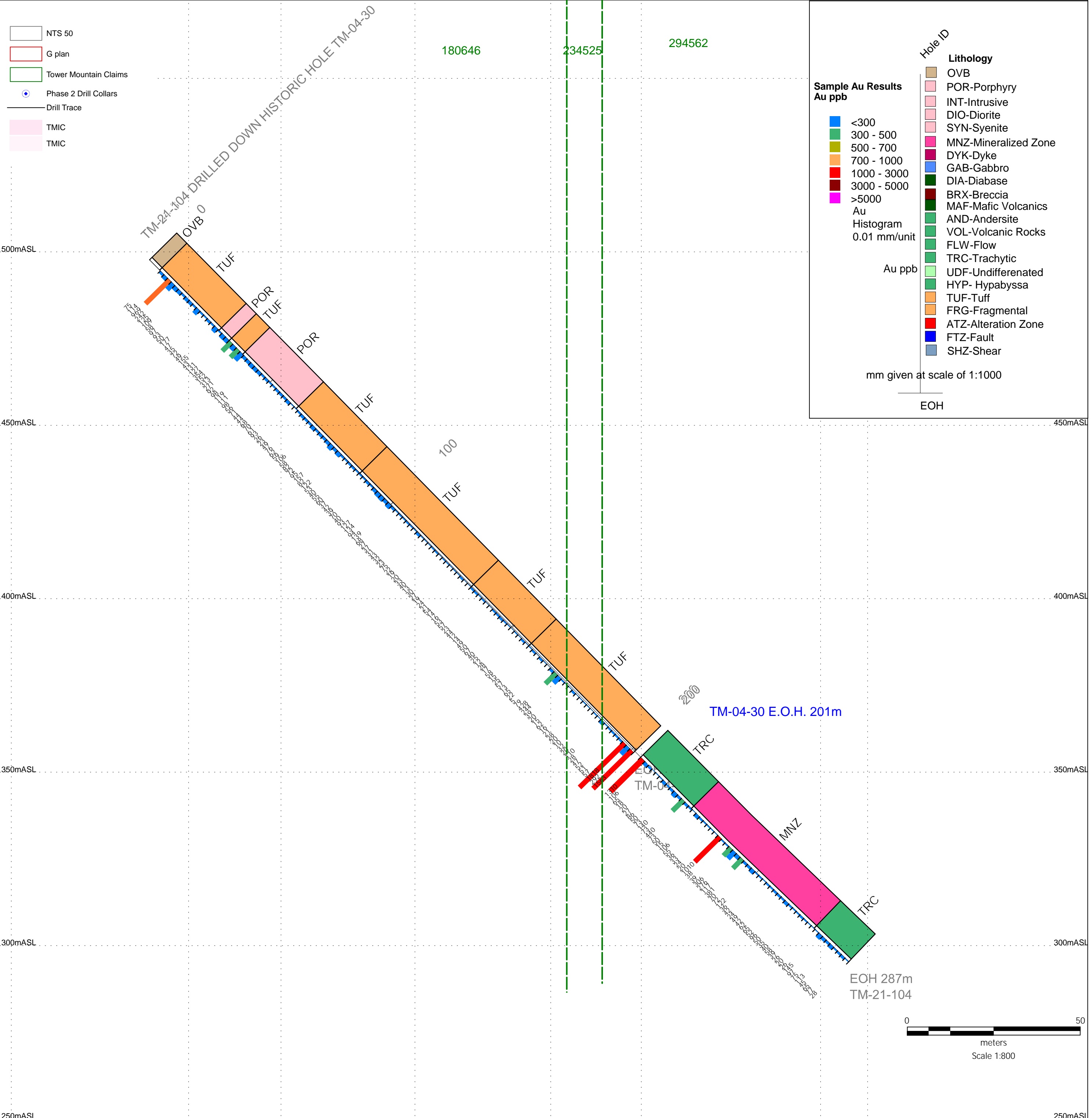
Au
Histogram
0.01 mm/unit

Hole ID

Lithology

- OVB
- POR-Porphry
- INT-Intrusive
- DIO-Diorite
- SYN-Syenite
- MNZ-Mineralized Zone
- DYK-Dyke
- GAB-Gabbro
- DIA-Diabase
- BRX-Breccia
- MAF-Mafic Volcanics
- AND-Andersite
- VOL-Volcanic Rocks
- FLW-Flow
- TRC-Trachytic
- UDF-Undifferentated
- HYP- Hypabyssa
- TUF-Tuff
- FRG-Fragmental
- ATZ-Alteration Zone
- FTZ-Fault
- SHZ-Shear

mm given at scale of 1:1000

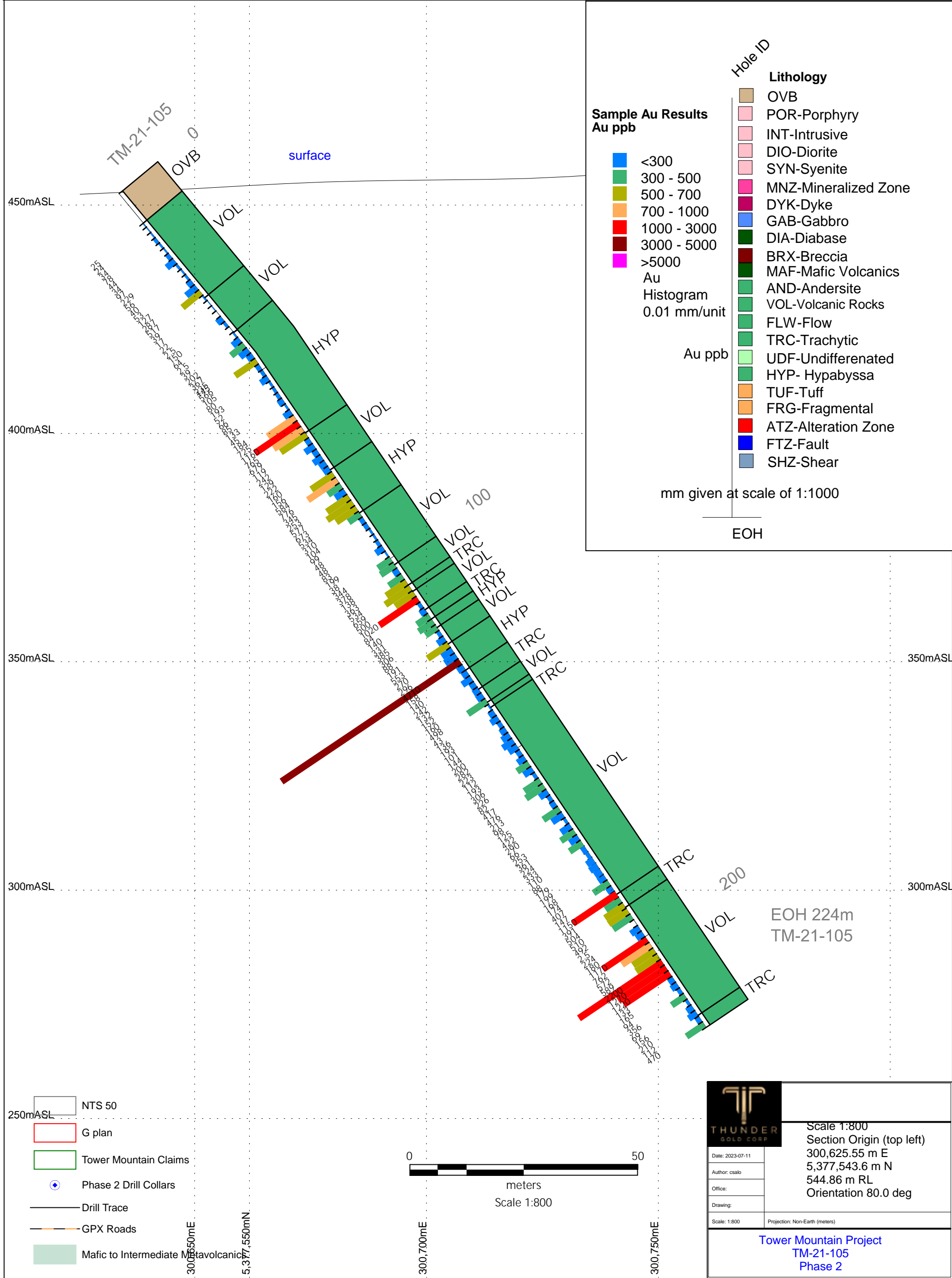
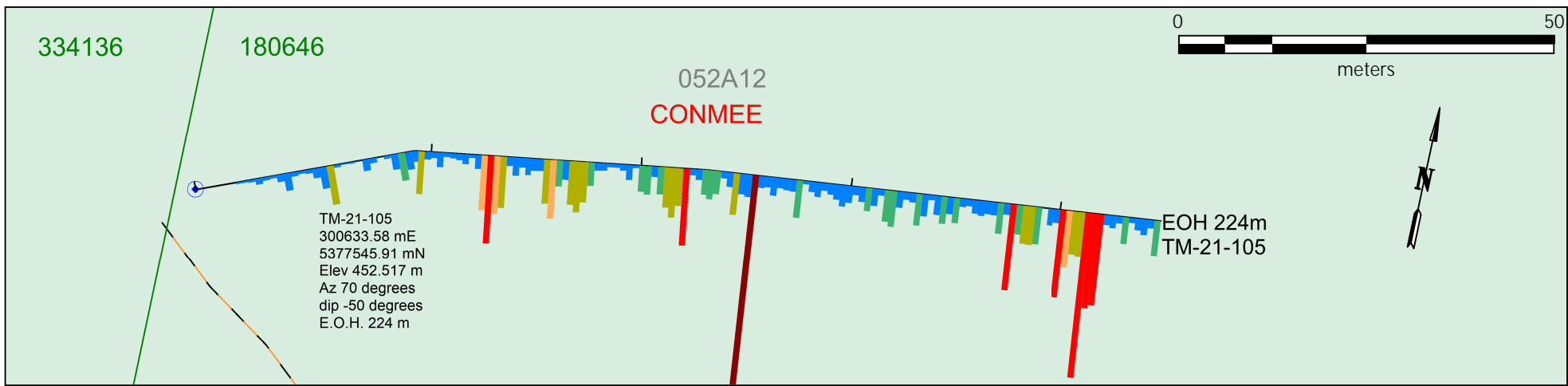


THUNDER
GOLD CORP

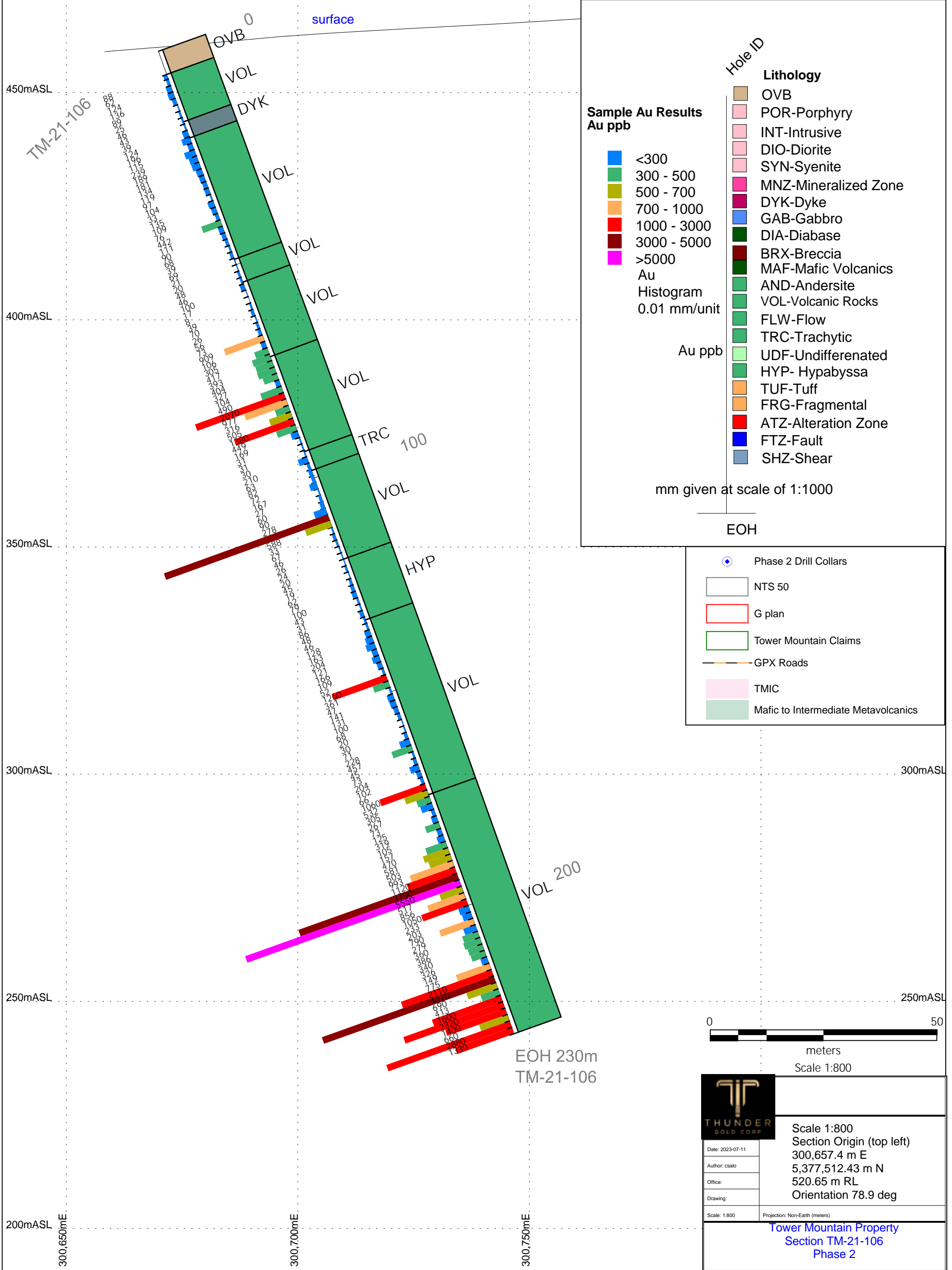
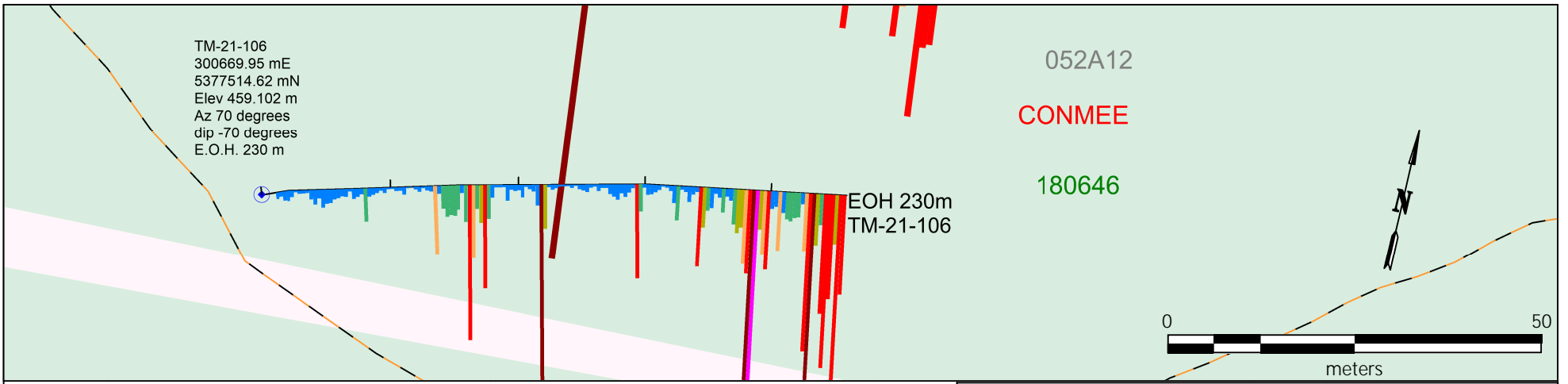
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 Author: csalo
 Office:
 Drawing:
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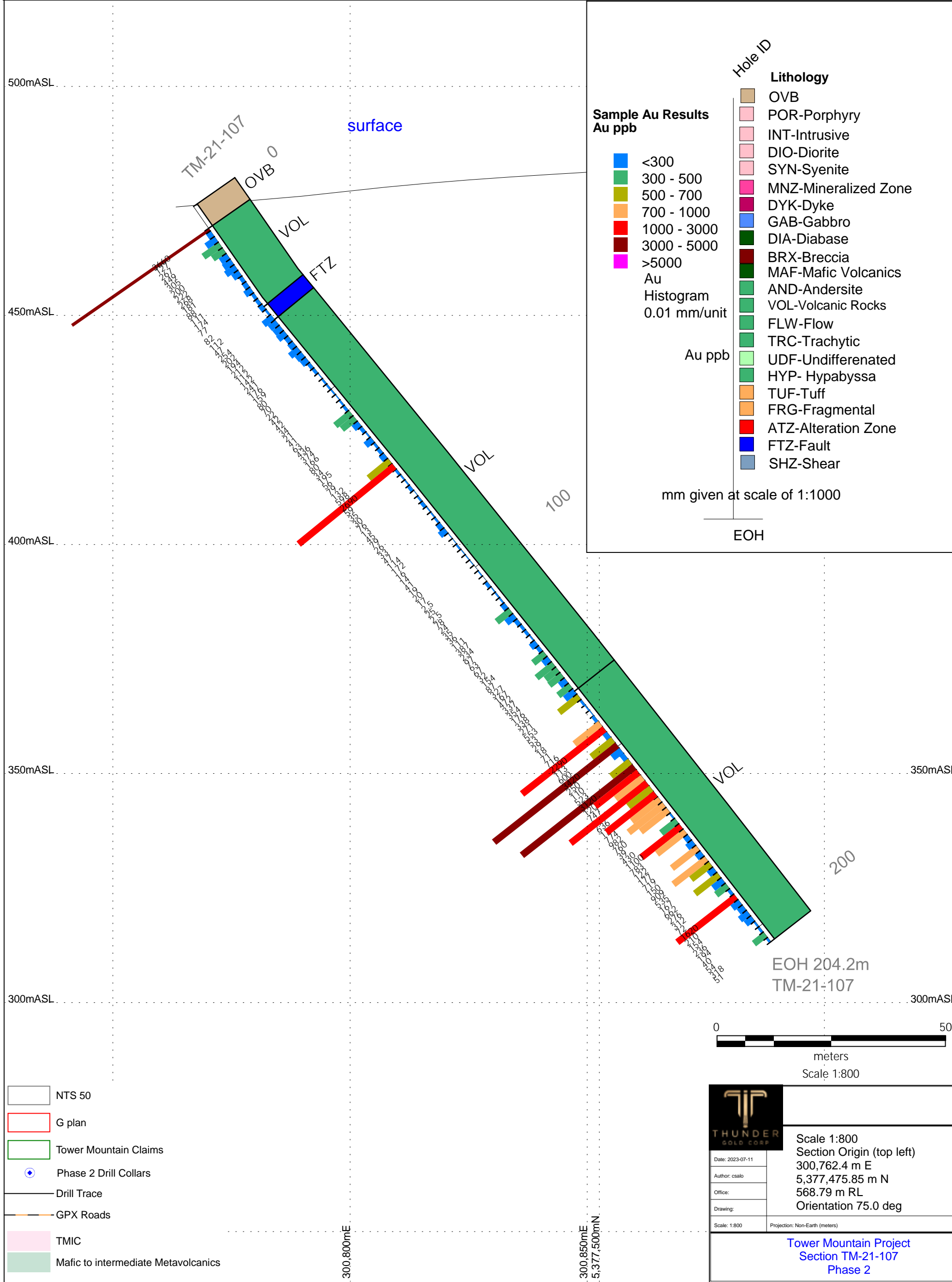
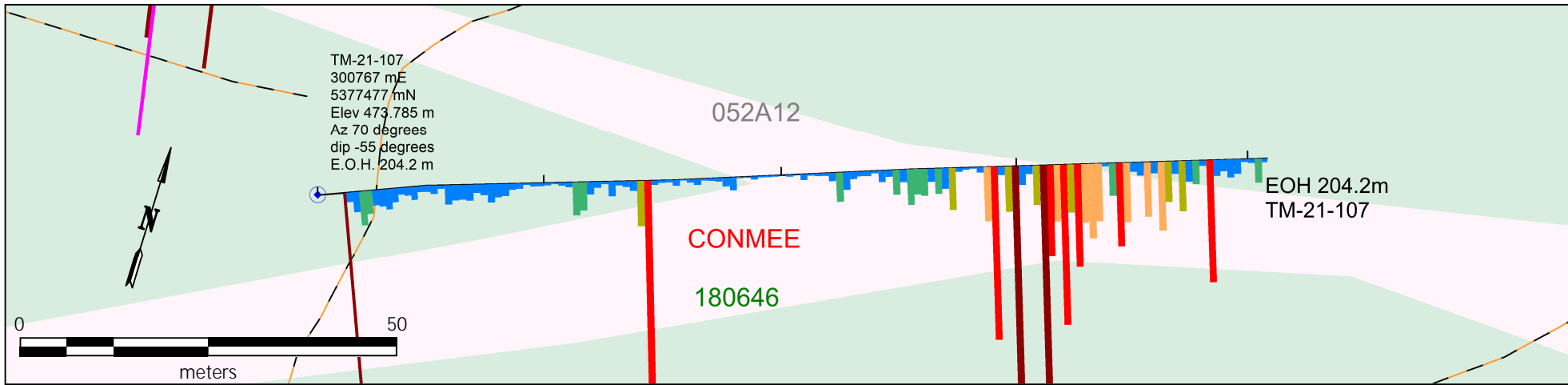
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 5,377,578.83 m N
 622.5 m RL
 Orientation 40.0 deg

Tower Mountain Property
 Section TM-21-104
 Phase 2



<p>THUNDER GOLD CORP</p>	Scale 1:800
	Section Origin (top left)
	300,625.55 m E
	5,377,543.6 m N
	544.86 m RL
Date: 2023-07-11	Orientation 80.0 deg
Author: csalo	
Office:	
Drawing:	
Scale: 1:800	Projection: Non-Earth (meters)
Tower Mountain Project TM-21-105 Phase 2	





Sample Au Results
Au ppb

- <300
- 300 - 500
- 500 - 700
- 700 - 1000
- 1000 - 3000
- 3000 - 5000
- >5000

Au
Histogram
0.01 mm/unit

Au ppb

mm given at scale of 1:1000

EOH

Lithology

- OVB
- POR-Porphyry
- INT-Intrusive
- DIO-Diorite
- SYN-Syenite
- MNZ-Mineralized Zone
- DYK-Dyke
- GAB-Gabbro
- DIA-Diabase
- BRX-Breccia
- MAF-Mafic Volcanics
- AND-Andersite
- VOL-Volcanic Rocks
- FLW-Flow
- TRC-Trachytic
- UDF-Undifferentated
- HYP- Hypabyssa
- TUF-Tuff
- FRG-Fragmental
- ATZ-Alteration Zone
- FTZ-Fault
- SHZ-Shear

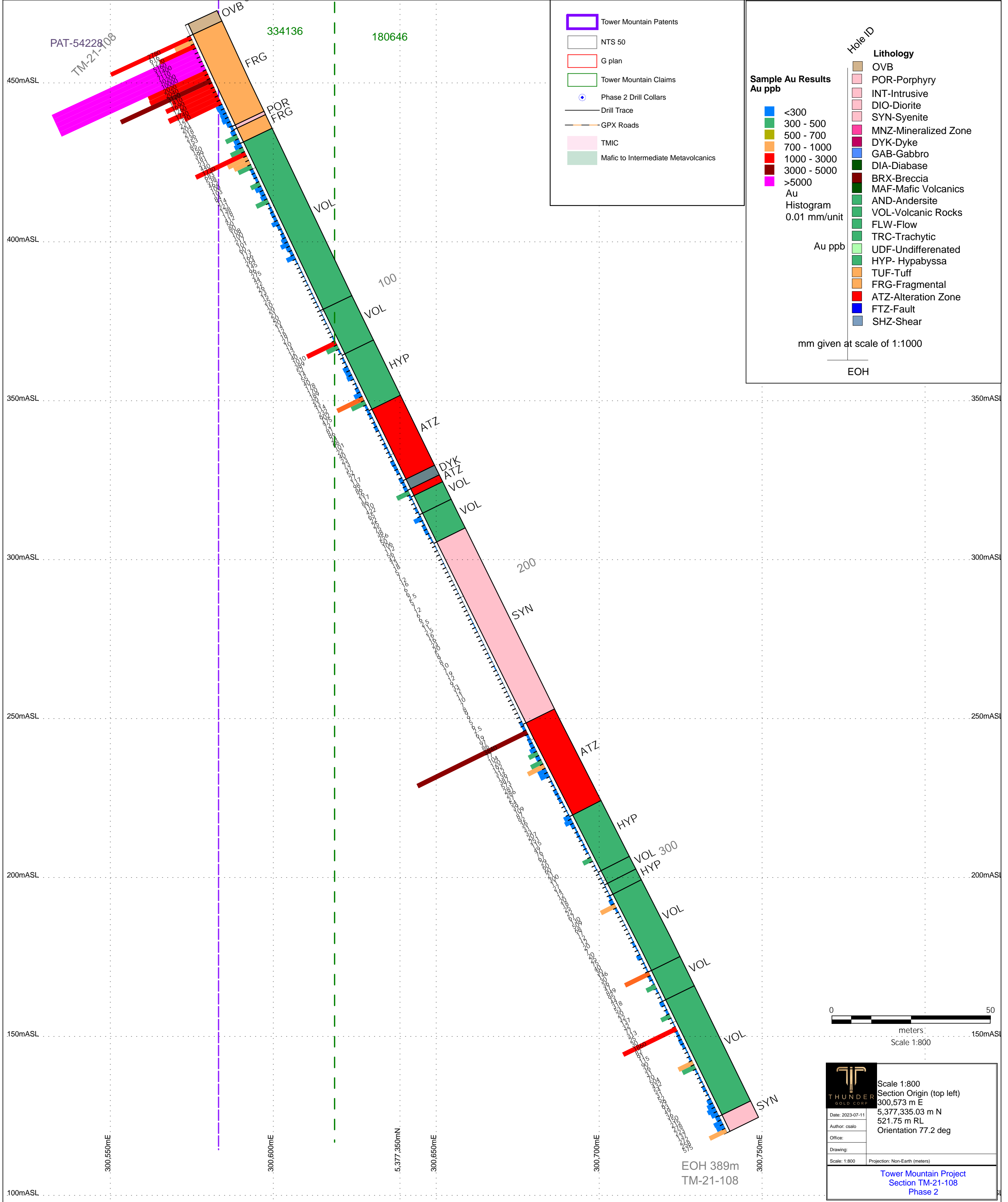
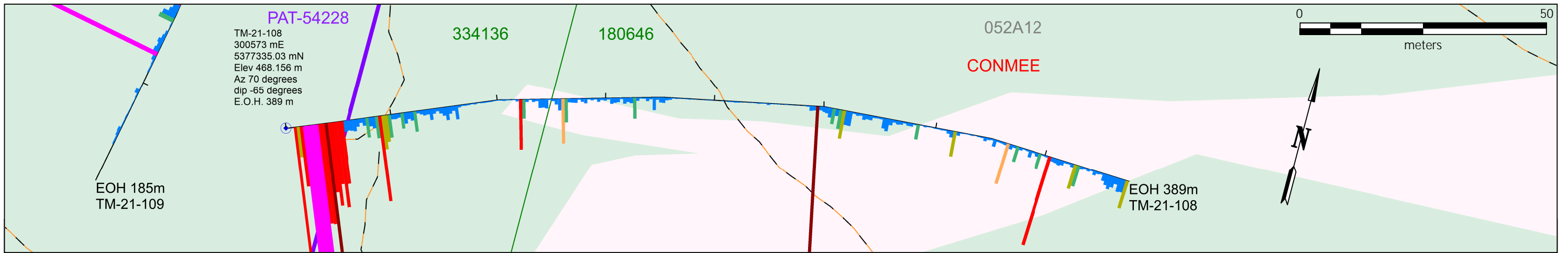
- NTS 50
- G plan
- Tower Mountain Claims
- Phase 2 Drill Collars
- Drill Trace
- GPX Roads
- TMIC
- Mafic to intermediate Metavolcanics

THUNDER GOLD CORP.

Date: 2023-07-11
 Author: csalo
 Office:
 Drawing:
 Scale: 1:800
 Projection: Non-Earth (meters)

Scale 1:800
 Section Origin (top left)
 300,762.4 m E
 5,377,475.85 m N
 568.79 m RL
 Orientation 75.0 deg

**Tower Mountain Project
 Section TM-21-107
 Phase 2**



Legend

- Tower Mountain Patents
- NTS 50
- G plan
- Tower Mountain Claims
- Phase 2 Drill Collars
- Drill Trace
- GPX Roads
- TMIC
- Mafic to Intermediate Metavolcanics

Sample Au Results
Au ppb

- <300
- 300 - 500
- 500 - 700
- 700 - 1000
- 1000 - 3000
- 3000 - 5000
- >5000

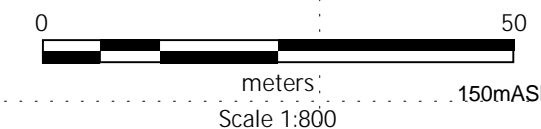
Au Histogram
0.01 mm/unit

Lithology

- OVB
- POR-Porphyry
- INT-Intrusive
- DIO-Diorite
- SYN-Syenite
- MNZ-Mineralized Zone
- DYK-Dyke
- GAB-Gabbro
- DIA-Diabase
- BRX-Breccia
- MAF-Mafic Volcanics
- AND-Andersite
- VOL-Volcanic Rocks
- FLW-Flow
- TRC-Trachytic
- UDF-Undifferentated
- HYP- Hypabyssa
- TUF-Tuff
- FRG-Fragmental
- ATZ-Alteration Zone
- FTZ-Fault
- SHZ-Shear

mm given at scale of 1:1000

EOH

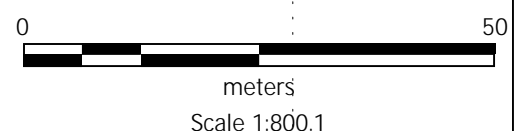
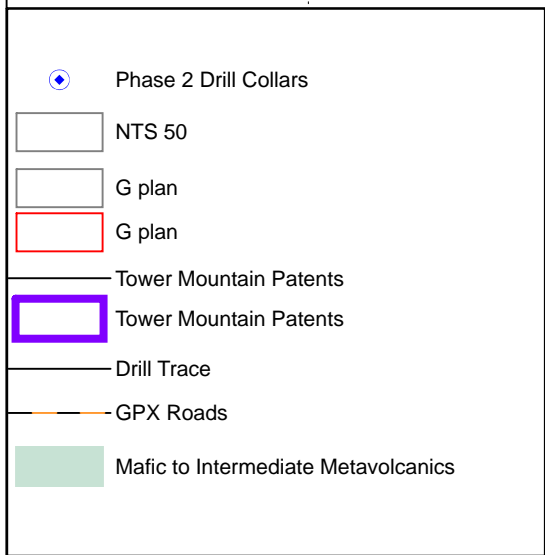
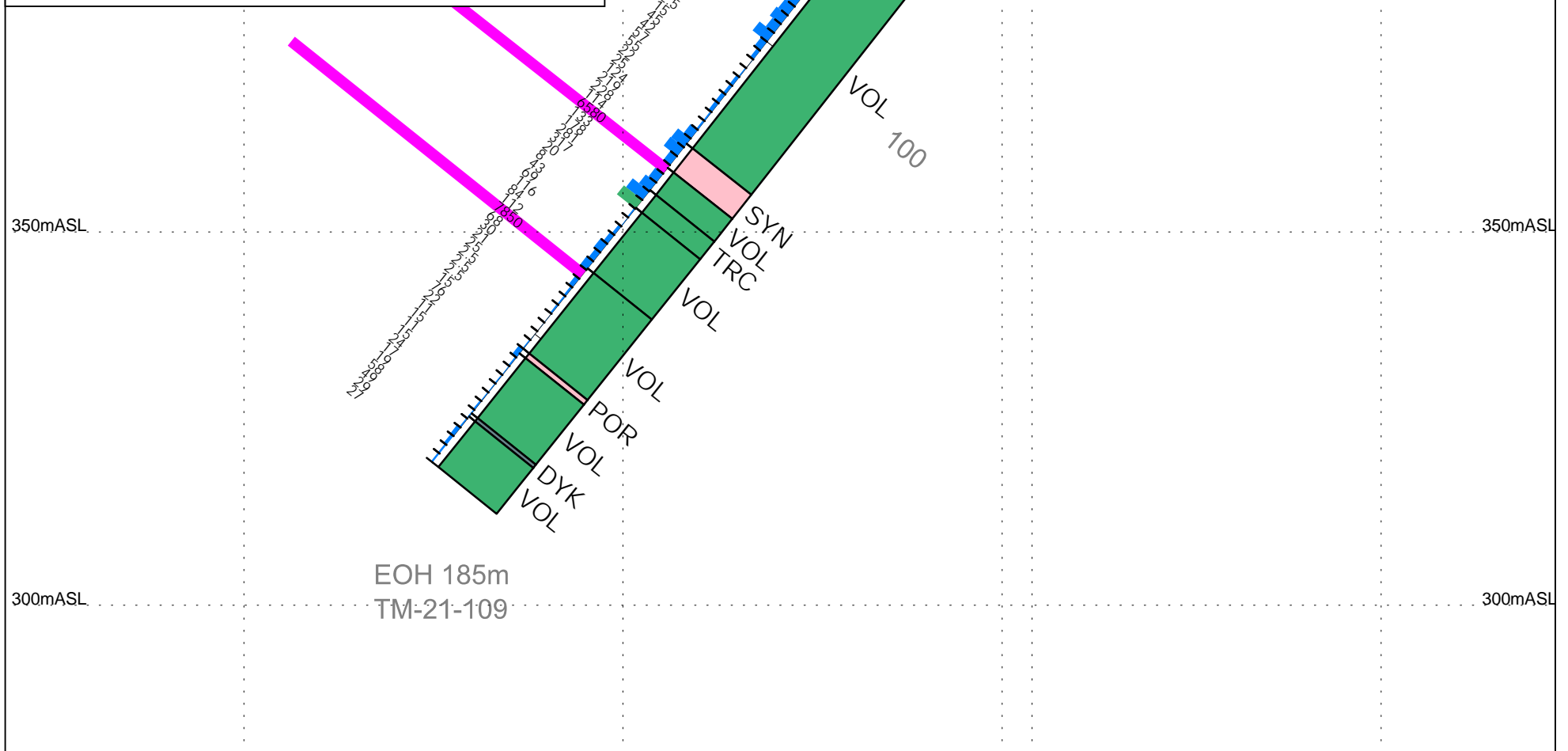
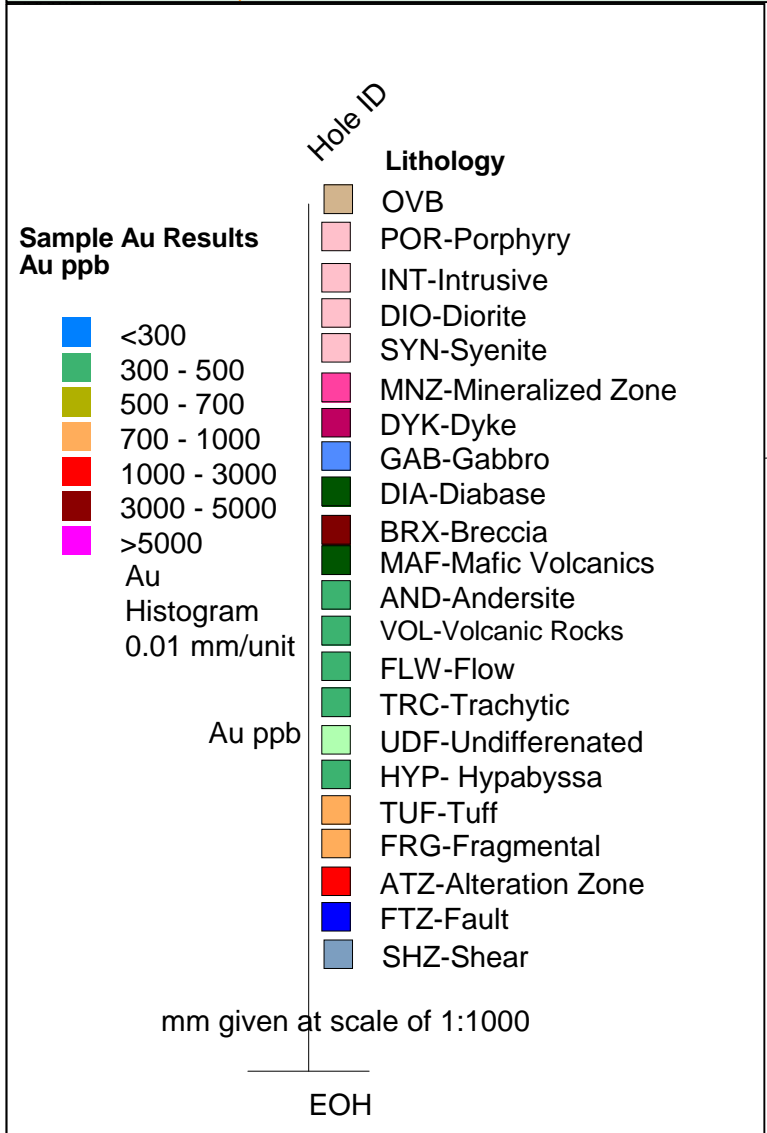
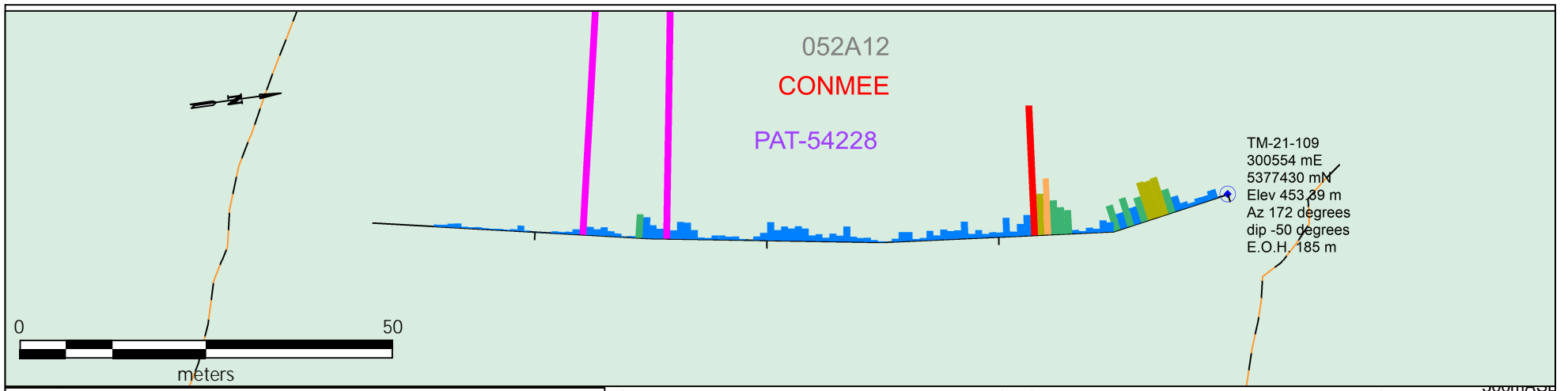


THUNDER GOLD CORP.

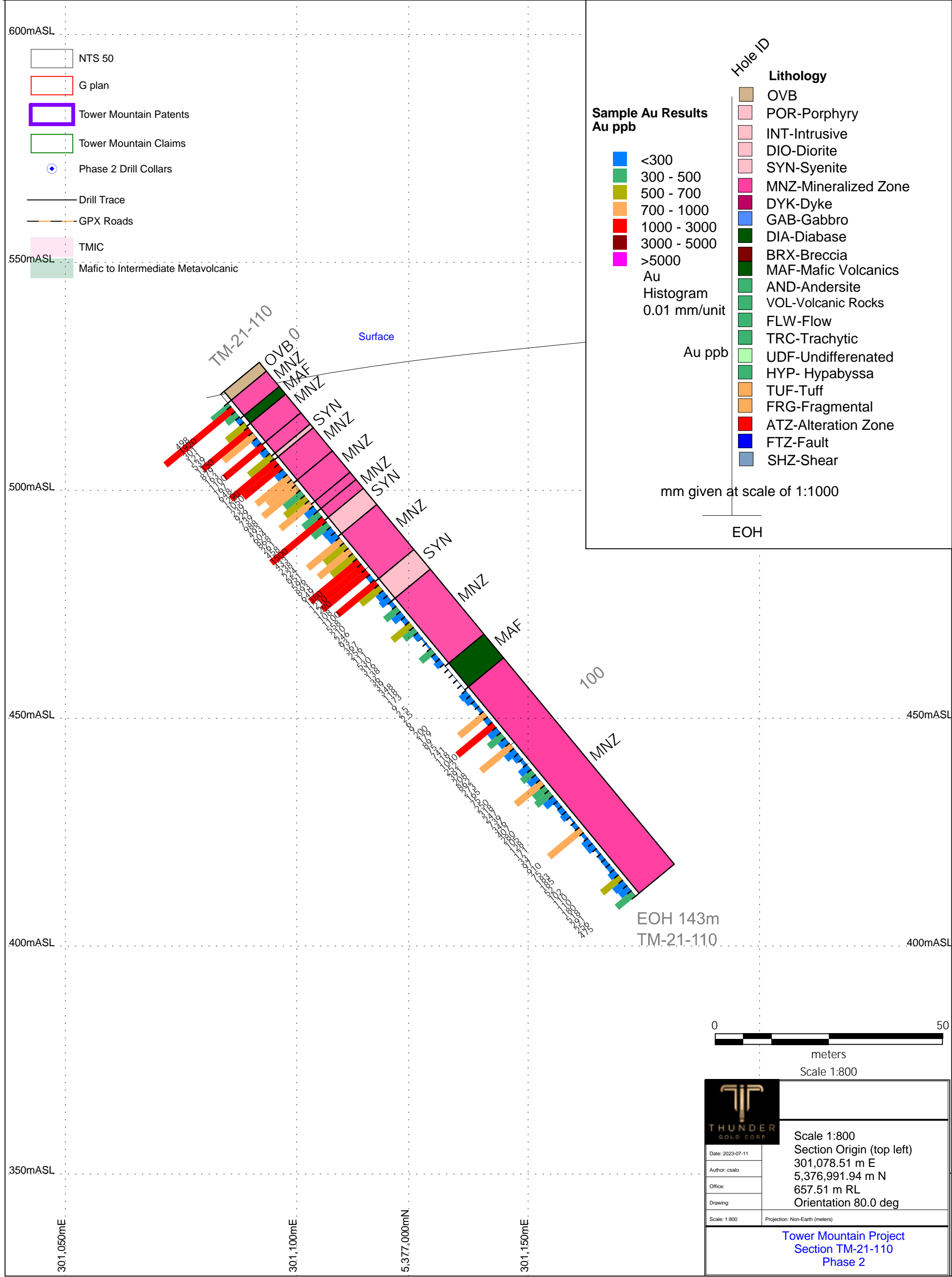
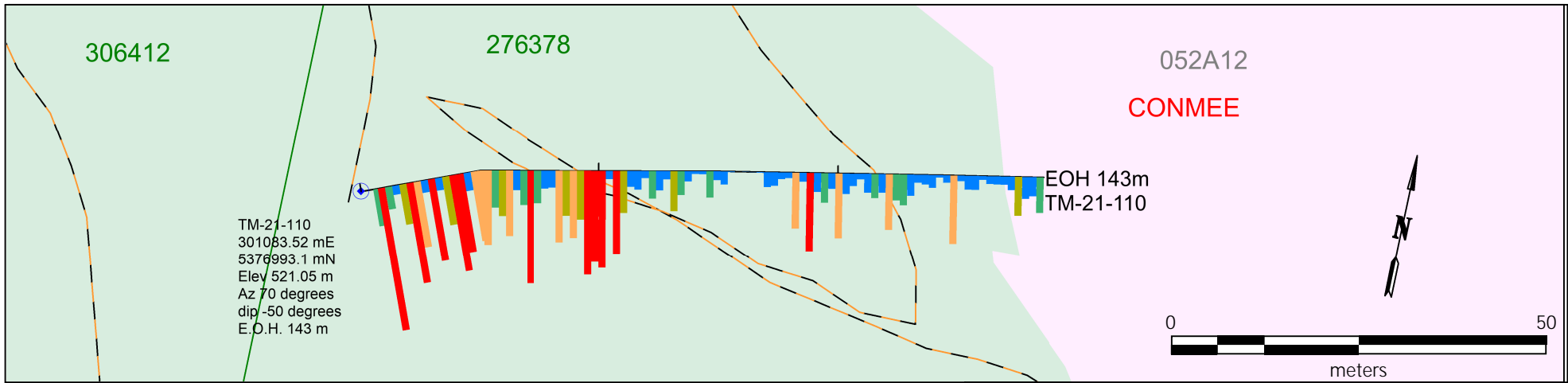
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5,377,335.03 m N
521.75 m RL
Orientation 77.2 deg

Date: 2023-07-11
Author: csalo
Office:
Drawing:
Scale: 1:800 Projection: Non-Earth (meters)

Tower Mountain Project
Section TM-21-108
Phase 2



Date: 2023-07-11	Scale 1:800 Section Origin (top left) 300,533.798014 m E 5,377,312.070917 m N 551.55 m RL Orientation 10.0 deg
Author: csalo	
Office:	
Drawing:	
Scale: 1:800	Projection: Non-Earth (meters)
Tower Mountain Project Sectin TM-21-109 Phase 2	



TM-21-111
 300598.64 mE
 5377932.58 mN
 Elev 435.129 m
 Az 70 degrees
 dip -50 degrees
 E.O.H. 209 m

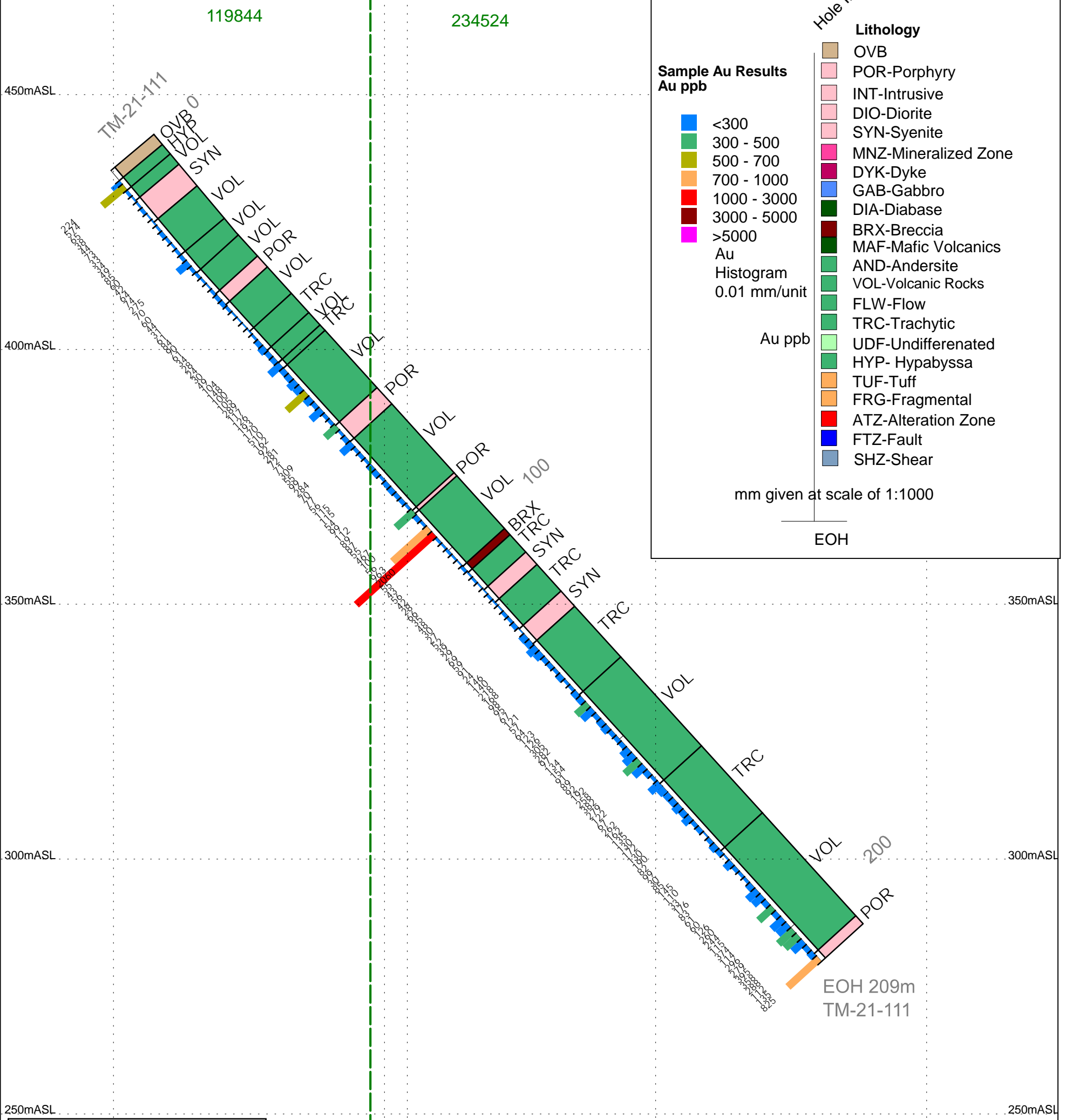
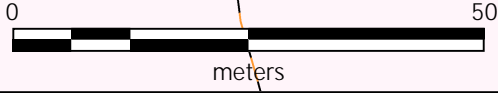
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052A12

CONMEE

234524

EOH 209m
 TM-21-111



Sample Au Results
 Au ppb



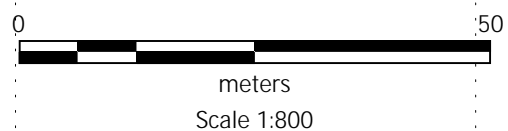
Au ppb

mm given at scale of 1:1000

- Hole ID
- Lithology**
- OVB
 - POR-Porphyry
 - INT-Intrusive
 - DIO-Diorite
 - SYN-Syenite
 - MNZ-Mineralized Zone
 - DYK-Dyke
 - GAB-Gabbro
 - DIA-Diabase
 - BRX-Breccia
 - MAF-Mafic Volcanics
 - AND-Andersite
 - VOL-Volcanic Rocks
 - FLW-Flow
 - TRC-Trachytic
 - UDF-Undifferentated
 - HYP- Hypabyssa
 - TUF-Tuff
 - FRG-Fragmental
 - ATZ-Alteration Zone
 - FTZ-Fault
 - SHZ-Shear

EOH

- NTS 50
- G plan
- Tower Mountain Claims
- Phase 2 Drill Collars
- Drill Trace
- GPX Roads
- TMIC



THUNDER GOLD CORP

Date: 2023-07-11

Author: csalo

Office:

Drawing:

Scale: 1:800

Projection: Non-Earth (meters)

Scale 1:800

Section Origin (top left)

300,592.64 m E

5,377,927.59 m N

529.53 m RL

Orientation 70.0 deg

Tower Mountain Project

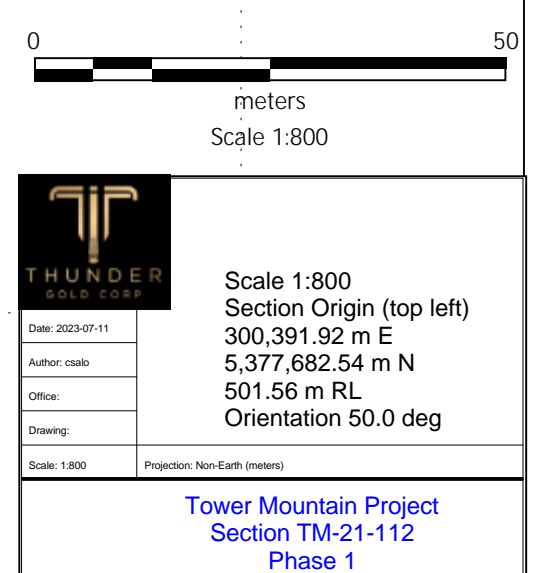
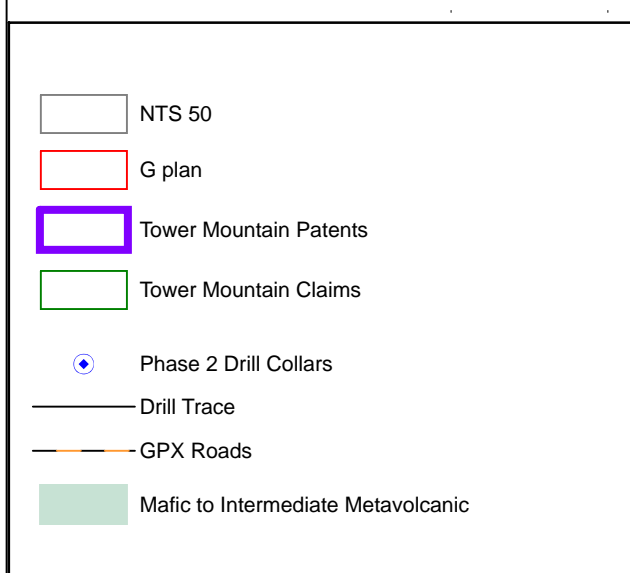
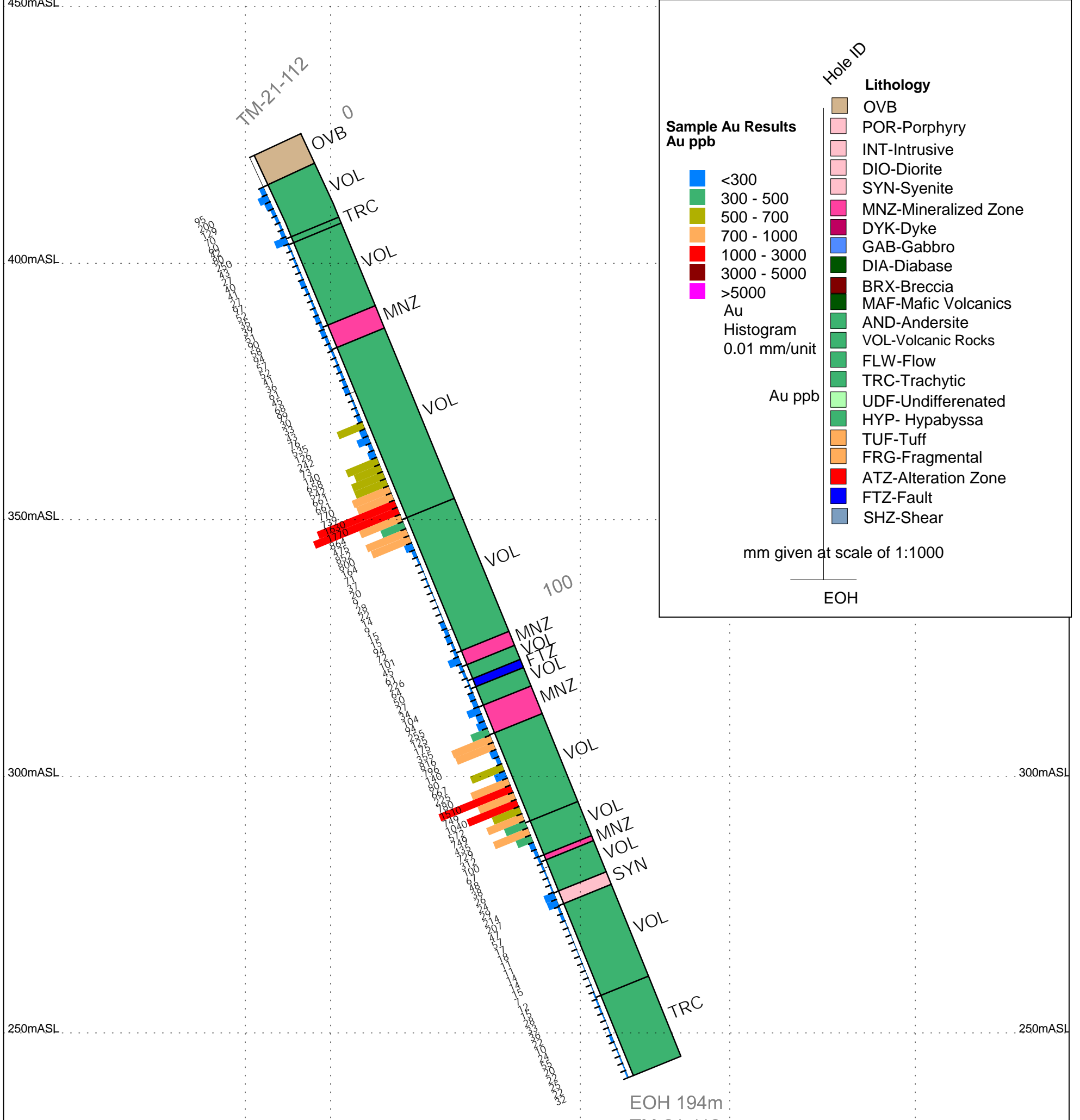
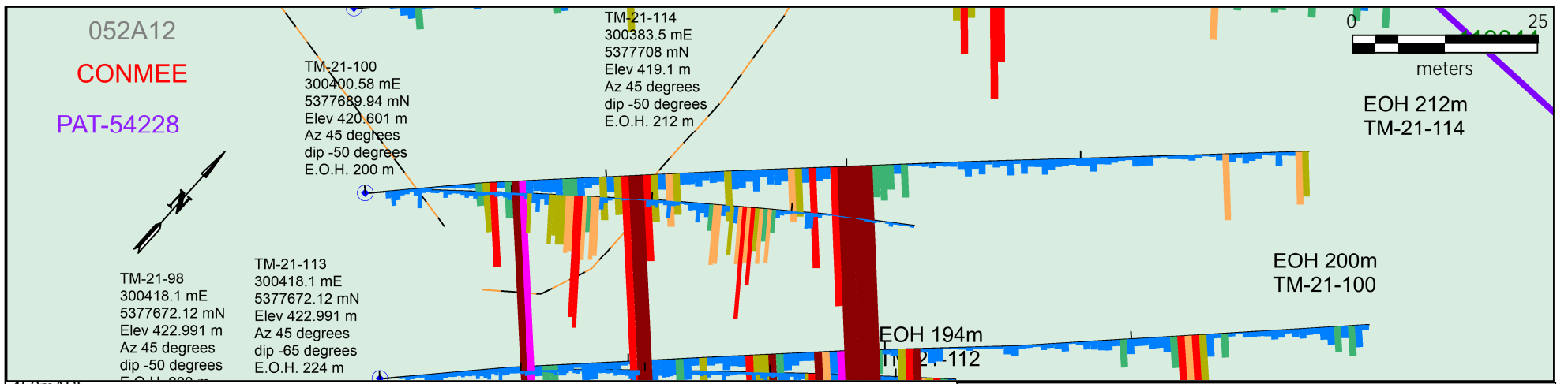
Section TM-21-111

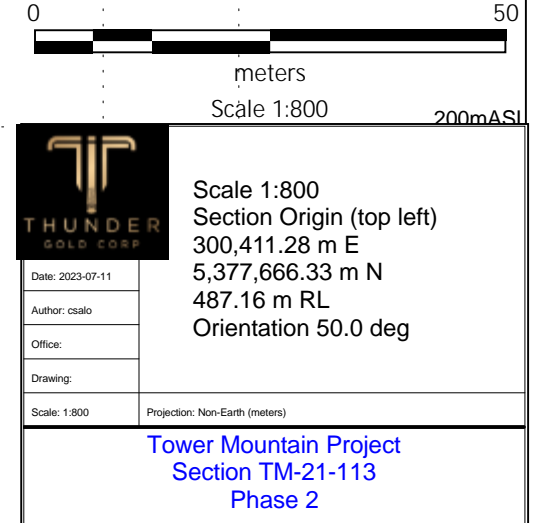
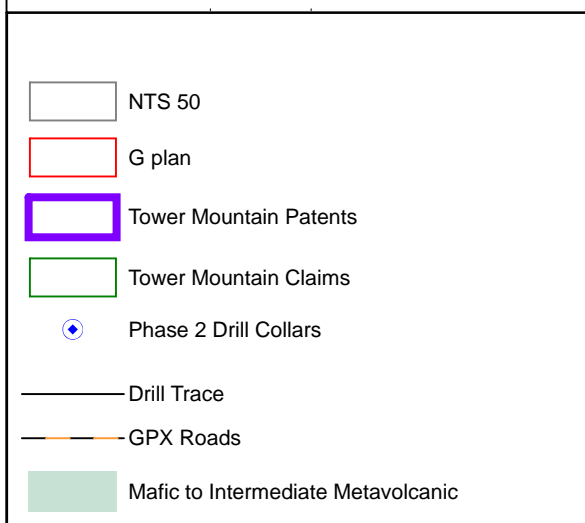
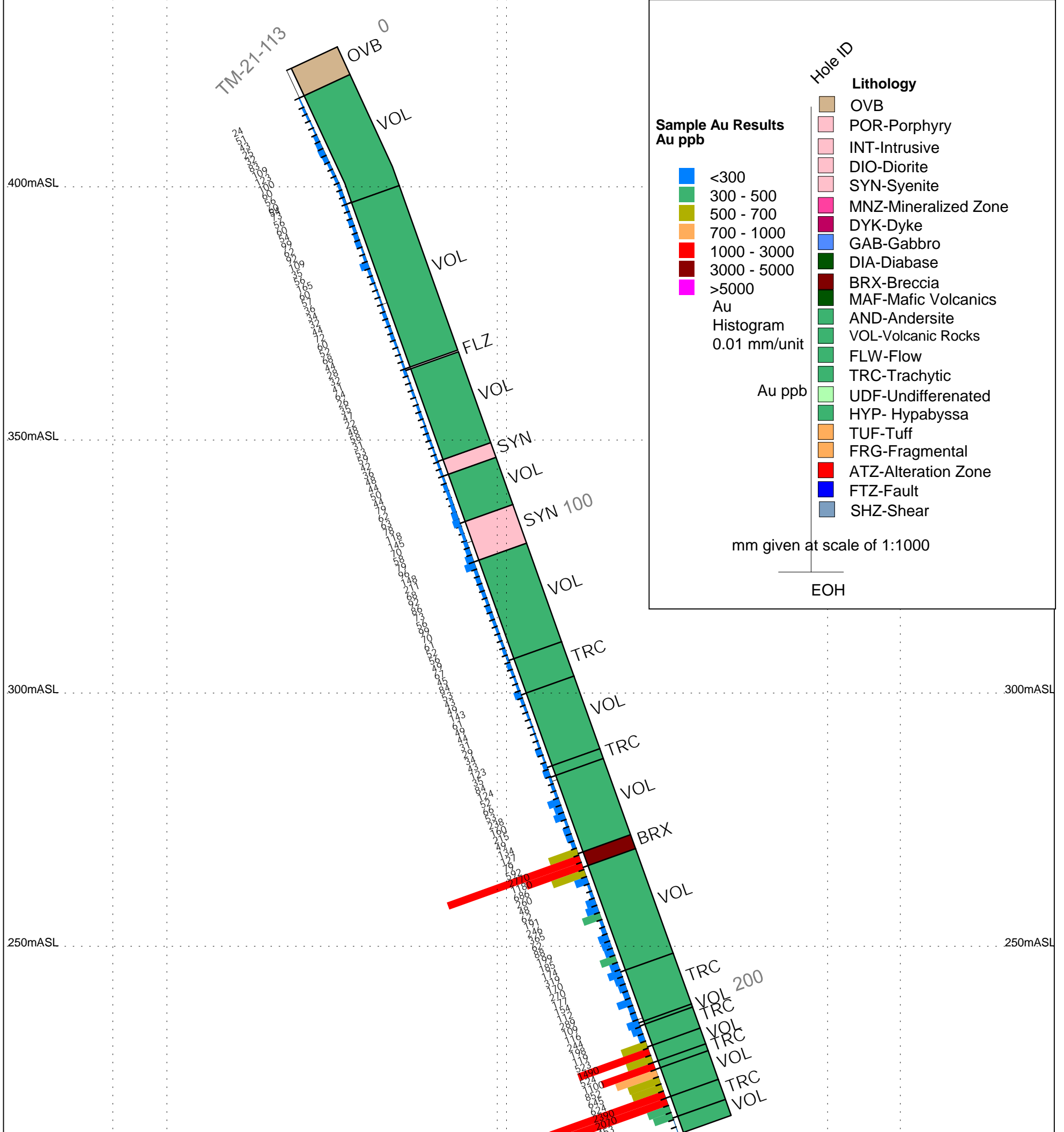
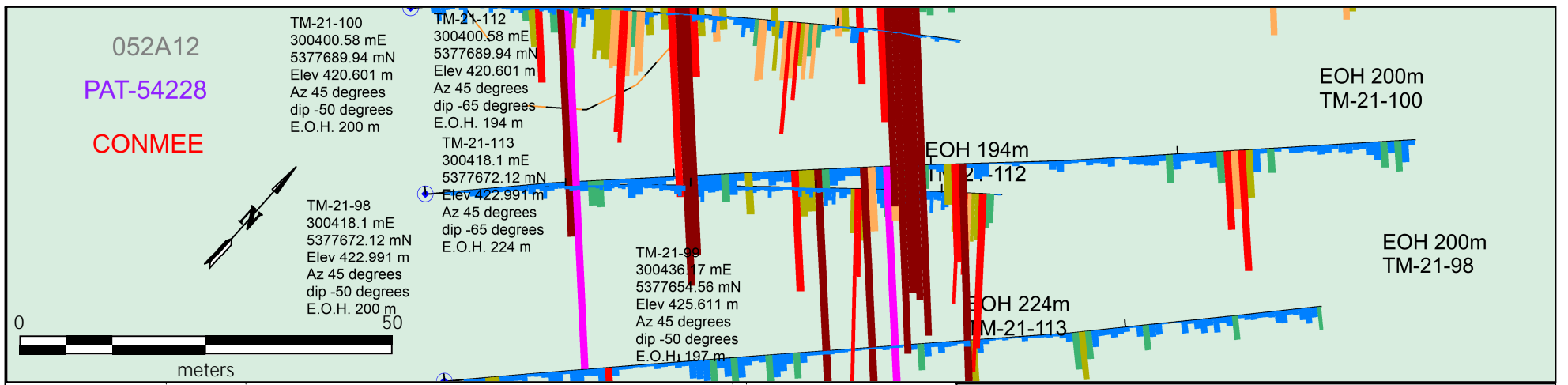
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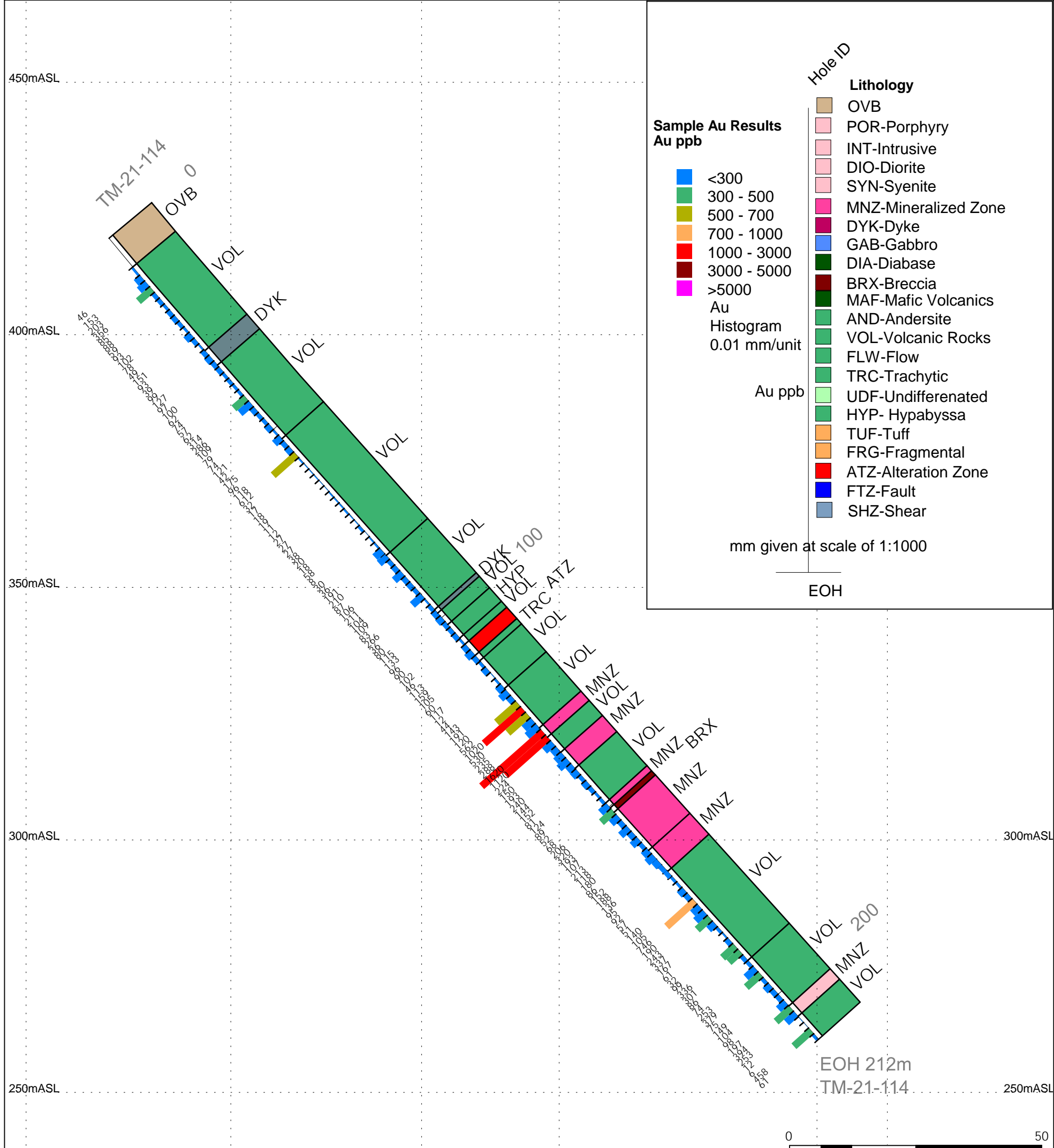
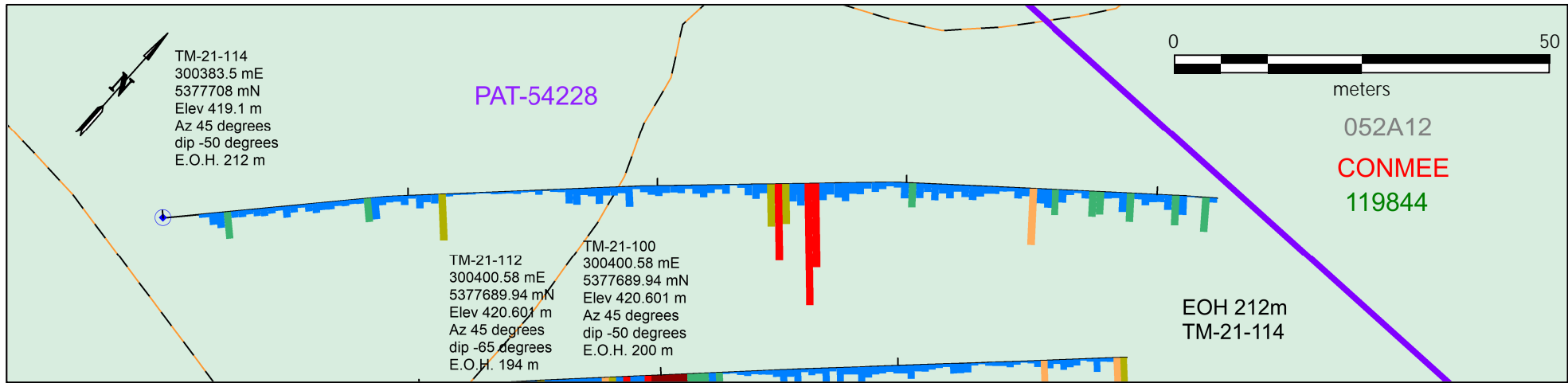
300,650mE

5,377,950mN

300,700mE







Sample Au Results
Au ppb

- <300
- 300 - 500
- 500 - 700
- 700 - 1000
- 1000 - 3000
- 3000 - 5000
- >5000

Au
Histogram
0.01 mm/unit

Au ppb

mm given at scale of 1:1000

Lithology

- OVB
- POR-Porphry
- INT-Intrusive
- DIO-Diorite
- SYN-Syenite
- MNZ-Mineralized Zone
- DYK-Dyke
- GAB-Gabbro
- DIA-Diabase
- BRX-Breccia
- MAF-Mafic Volcanics
- AND-Andersite
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- FLW-Flow
- TRC-Trachytic
- UDF-Undifferentated
- HYP- Hypabyssa
- TUF-Tuff
- FRG-Fragmental
- ATZ-Alteration Zone
- FTZ-Fault
- SHZ-Shear

Hole ID

EOH

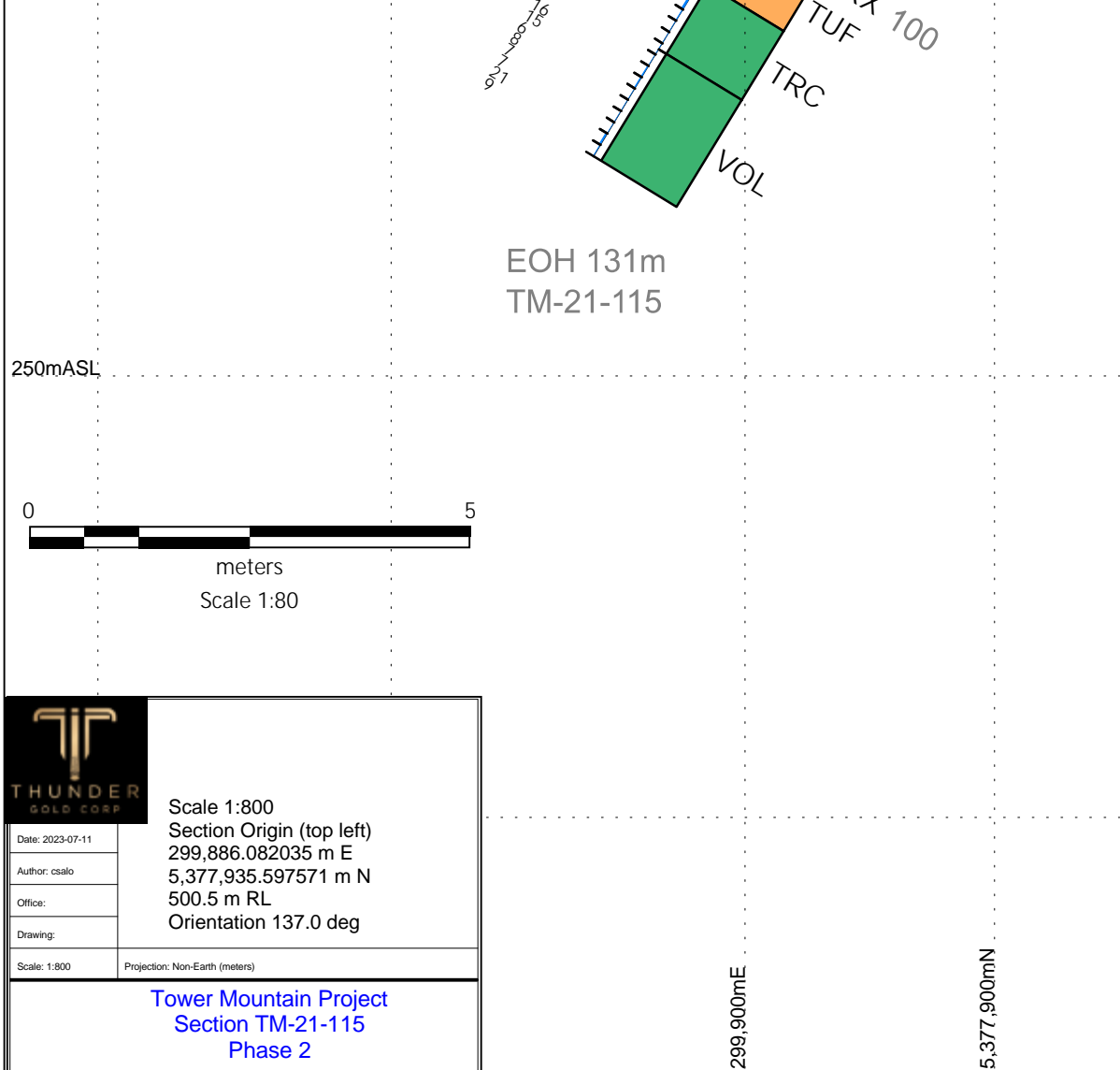
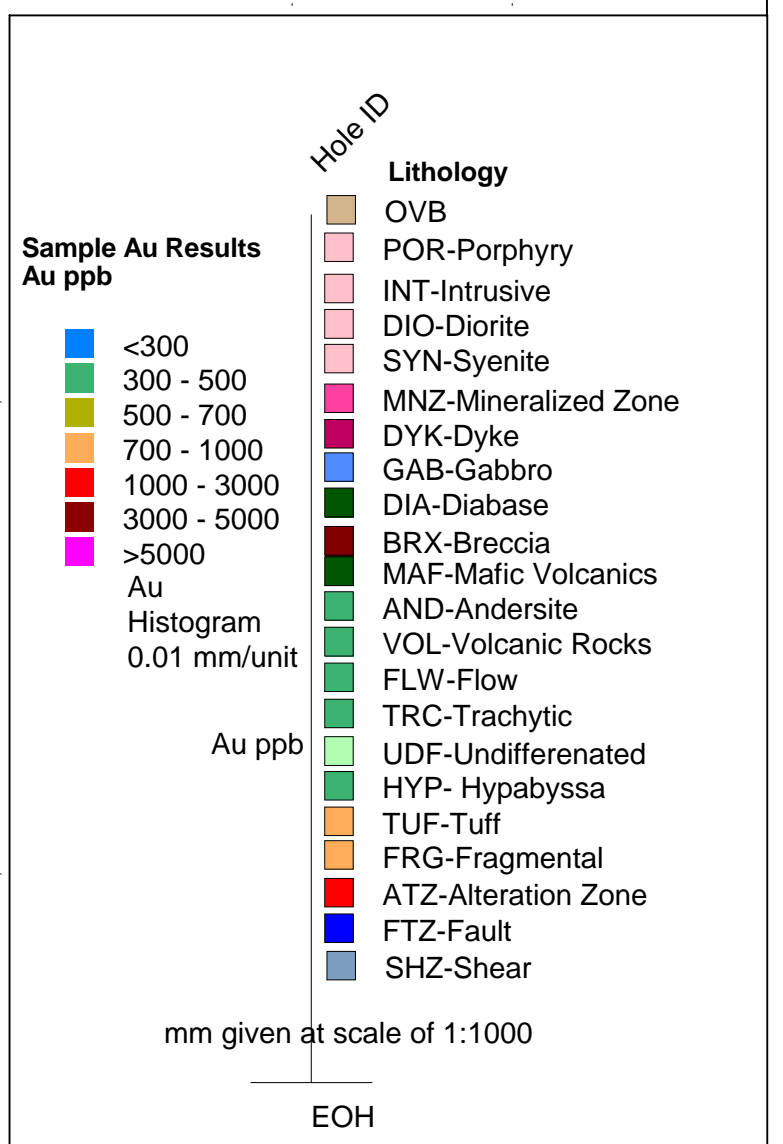
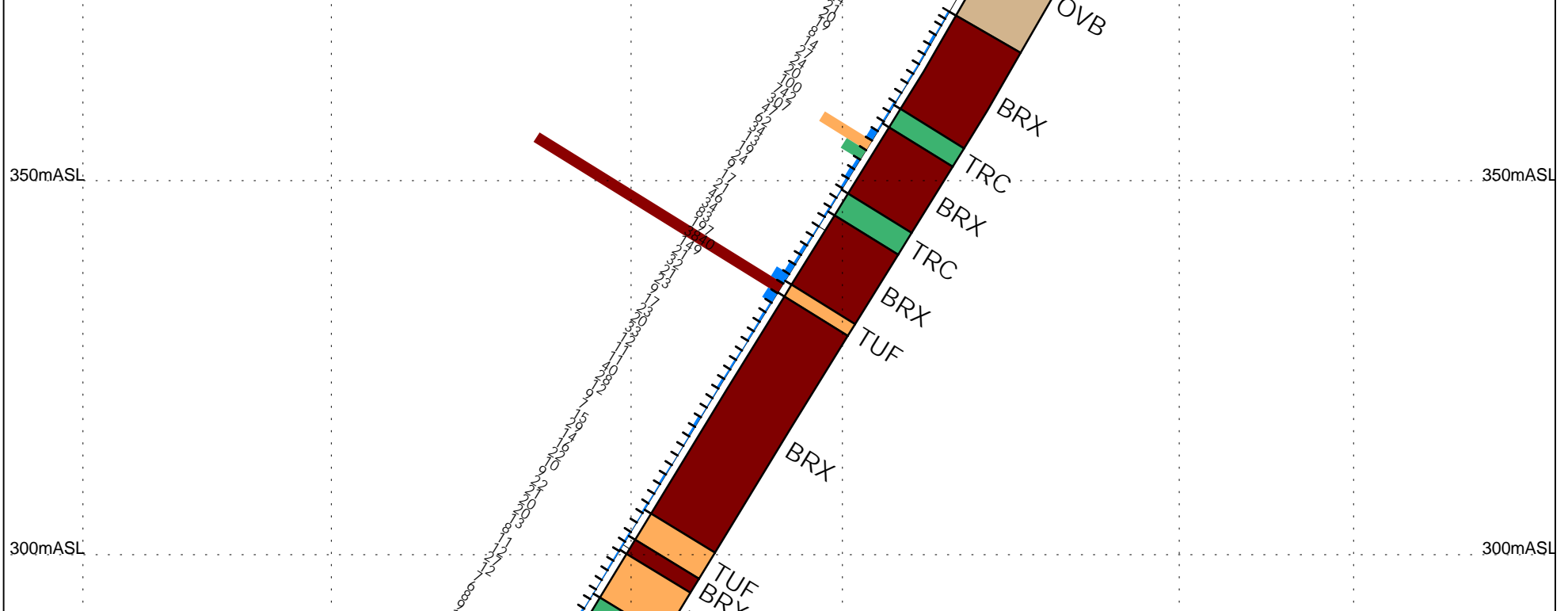
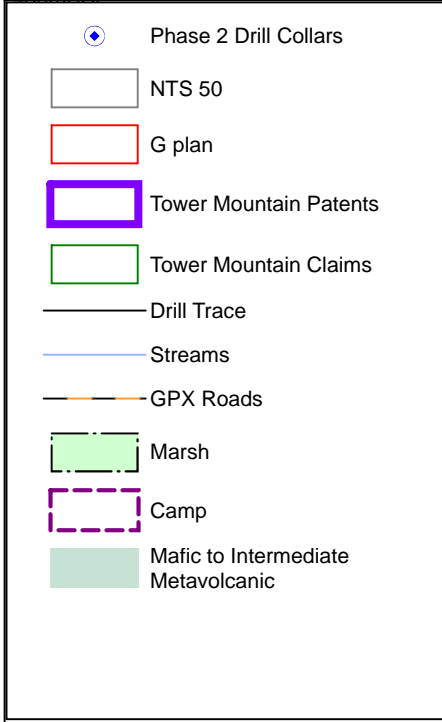
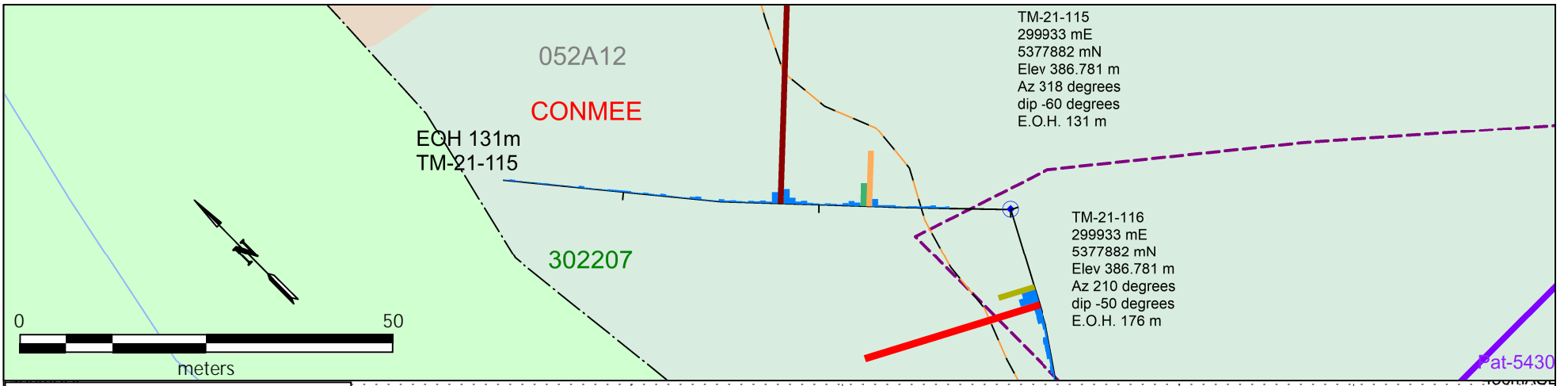
- Phase 2 Drill Collars
- Drill Trace
- NTS 50
- G plan
- Tower Mountain Patents
- Tower Mountain Claims
- GPX Roads
- Mafic to Intermediate Metavolcanic

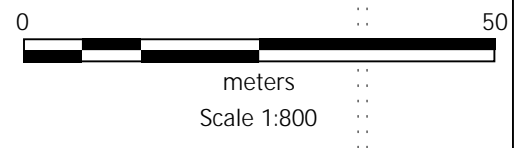
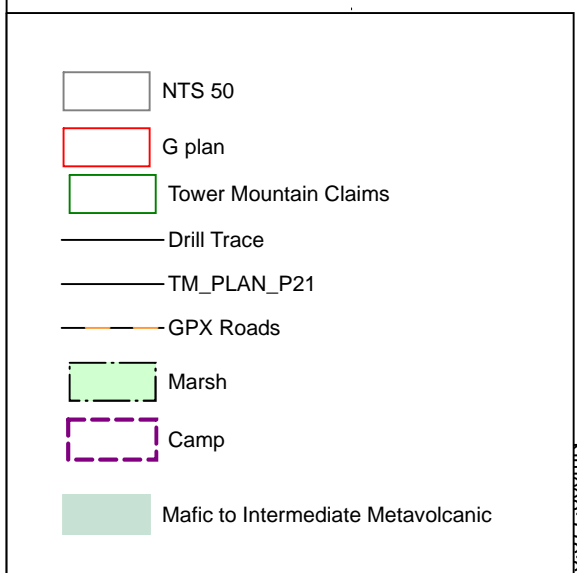
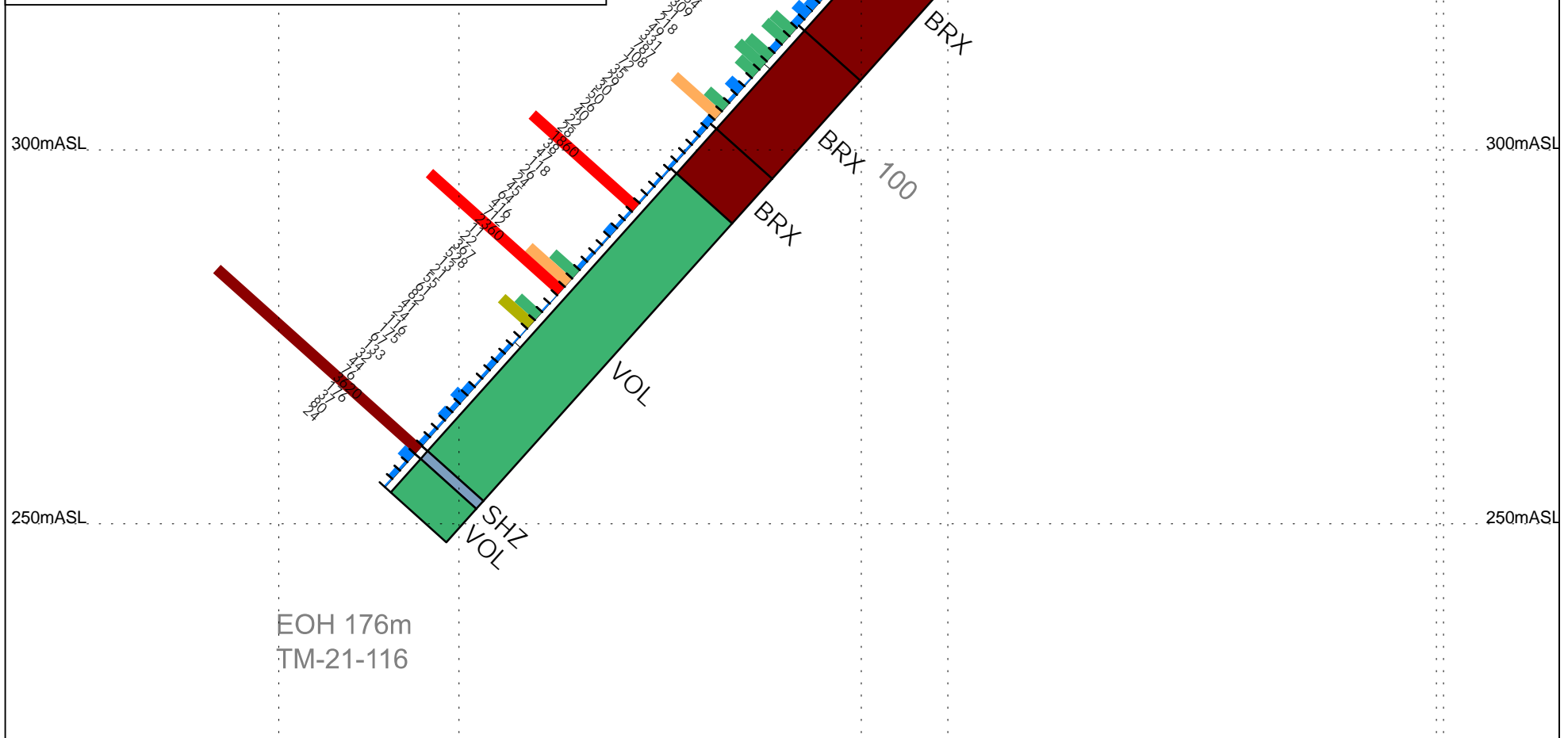
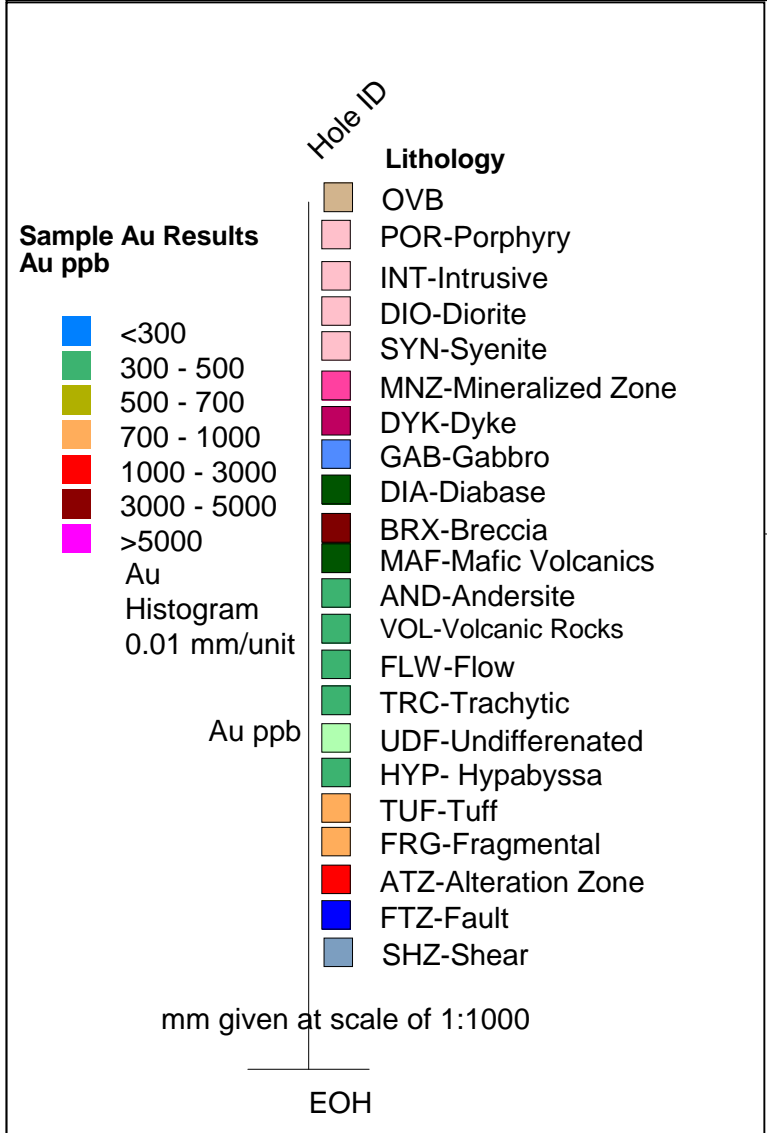
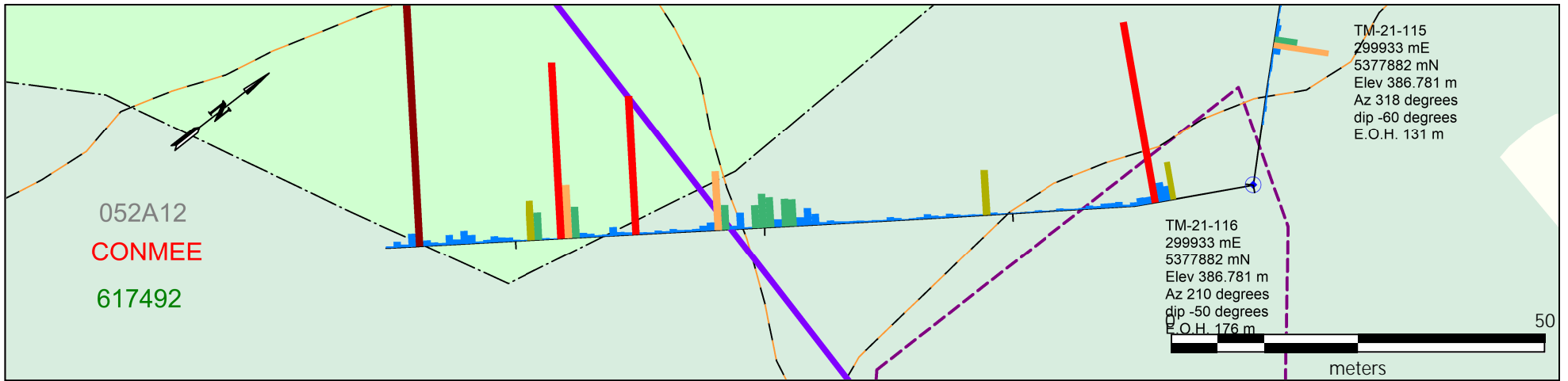
THUNDER GOLD CORP

Date: 2023-07-11
Author: csalo
Office:
Drawing:
Scale: 1:800
Projection: Non-Earth (meters)

Scale 1:800
Section Origin (top left)
300,372.1 m E
5,377,702.72 m N
516 m RL
Orientation 50.3 deg

Tower Mountain Project
Section TM-21-114
Phase 2





Date: 2023-07-11	Tower Mountain Project Section TM-21-116 Phase 2
Author: csalo	
Office:	
Drawing:	
Scale: 1:800	Projection: Non-Earth (meters)

APPENDIX IV DRILL LOGS



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-98

Nad 83, UTM Zone 16

Easting (m)	300418.10		Elevation (m)	422.95
Northing (m)	5377672.12		Azimuth(m)	45
E.O.H. (m)	200.00		dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 7, 2021

TM-21-98	0.00	4.00	OVB	no return
TM-21-98	4.00	8.00	OVB	rubbly core/boulders
TM-21-98	8.00	18.60	VOL	msv, fgr, dk greenish grey distinctive texture due to patchy/spotty epi+calc alt'n - ranges from well rounded (2-30mm) to semi-pervasive/amorphous (i.e. 15.3m) alt'd clasts and/or patchy alt'n of matrix - appears to be both but at bottom of unit epi+calc alt'n is highly irregular calcic alt'n of matrix is weak to absent @ 11.4m local coarse med gr intrusive clasts @ 14.2m microbreccia with 5% diss vfgr py @ 16.0m low angle 3cm wide calc+chl+Fe carb+fl vnl ~3% as calc +/- py vnlt/stringers at mod/high angle overall py ~ 2% is fgr to vfgr & diss
TM-21-98	18.60	23.25	BRX	above unit that has undergone extensive brecciation matrix/cement = ser+calc+chl fragments = coarse, rounded to angular including frags w/ patchy epi+calc alt'n from above unit - THUS bx'n postdates epi+calc alt'n in lower 1m of unit bx'n is only weakly/locally developed and exhibits one coarse trachyte clast ~5% py diss thru out mostly within matrix/cement but locally in frags
TM-21-98	23.25	25.05	TRC	typical trachytic texture w/ lenticular crysts exhibiting mod to w.d alignment at high angle upper 40cm of unit is mostly plag crysts but majority of crysts are black mafic 'needles' <=/= 1cm (amphibole) wk local calc alt'n assoc., w/ hairline stringers ~5% as Fe-Ti oxides diss thru out ~1% py - diss, vfgr
TM-21-98	25.05	43.00	VOL	same/similar to above vol'c @ 8.0 - 18.6m patchy/irregular epi+calc alt'n is w.d to 31.6m but to end of unit the alt'n decreases substantially but still locally mod developed @ 31.6 - 32.0m - bx below the bx ser alt'n is locally w.d w/ patchy calc+Fe carb+fl w/ py overprinting the calc infill @ 36.5m - highly calcic but x-cut by qtz infill; euhedral/subhedral py w.d w/ calcic alt'n @ 41.7-42.0 - w.d ser alt'n assoc., w/ calc vnlt & patchy infill + py - if this sample returns anomalous Au grade then further evidence Au is assoc., w/ ser+/- chl alt'n(phyllitic)



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-98

Nad 83, UTM Zone 16

Easting (m)	300418.10		Elevation (m)	422.95
Northing (m)	5377672.12		Azimuth(m)	45
E.O.H. (m)	200.00		dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 7, 2021

TM-21-98	43.00	43.75	POR	mvs, fgr, dk grey porphyritic texture diffuse due to grain size - possibly trachytic mod calcic thru out >3% py - diss, vfgr
TM-21-98	43.75	53.95	VOL	same/similar to above vol'c units epi+calc alt'n is patchy, amorphous, highly irregular - <i>thus doubtful alt'd clasts</i> @ 48.0 - 48.3m - bx @ 51.4 - 53.95m - epi+calc alt'n is mostly absent and appears to be overprinted by semi-pervasive ser (+chl) alt'n w/ local calc+Fe carb and (later?) qtz infill w/ ~5% py mostly assoc., w/ mafic grains and and along infill selvages -> <i>possible intersection for Au grade</i>
TM-21-98	53.95	57.50	POR	similar to above porphyritic unit but cryst size slightly increased locally in lower 1m mod calcic alt'n thru out ~5% py diss and vfgr thru out
TM-21-98	57.50	62.00	BRX	pale greenish grey matrix/cement w/ coarse rounded to mostly angular frags of vol'c protolith - very heterogeneous texture calcite is highly intermittent from absent to locally w.d - calc veining is <1% overall +/- Fe carb ~5% py - diss thru out as fgr/vfgr n matrix AND frags
TM-21-98	62.00	69.75	VOL	similar to above vol'c units but patchy epi+calc alt'n is mostly absent except for lower 1.5m anhedral mafic crystals more evident due to inc., in size to $\leq 2\text{mm}$; ~ 30% of unit ser alt'n locally w.d @ 62.45m - calc+Fe carb vnl calc alt'n of matrix mostly absent ~3% calc vnls locally w/ chl selvages and hairline stringers @ 64.15m - calc+chl stringers x-cut by barren calc vnl - thus at least two stages of calcic fluids ~3% py mostly assoc., w/ mafic crystals & calc+chl stringers
TM-21-98	69.75	73.65	ATZ	characterized by semi-pervasive hematite alt'n protolith difficult to discern but most likely compositional trachyte mod calcic @ 73.1m - local dk/black patches of chl/tm + py appears to overprint hem alt'n ~ 3% py - diss, fgr lower contact noted from absence of hem alt'n



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-98

Nad 83, UTM Zone 16

Easting (m)	300418.10	Elevation (m)	422.95
Northing (m)	5377672.12	Azimuth(m)	45
E.O.H. (m)	200.00	dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 7, 2021

TM-21-98	73.65	83.00	VOL	similar to 62.0 - 69.75m w/ epi+calc confined locally as irregular stringers (i.e 82.25m) pale green patchy to semi-pervasive ser alt'n distinctive texture locally are calc+py stringers x-cutting ser alt'n w/ dark (chl?) wallrock alt'n - esp., w.d @ 78.9m w/ remnant ser alt'n having a false appearance as clasts calcite common as hairline stringers but no matrix alt'n ~3% py - diss, assoc., w/ calc stringers & highly random py only stringers
TM-21-98	83.00	86.50	TRC	porphyritic, fgr/mdgr, pale dk brown mod calcic alt'n thru out ~1% as late barren calc vnlt local fgr, diss epi alt'n ~3% py - diss thru out both contacts sharp
TM-21-98	86.50	106.60	VOL	same/similar to 73.65 - 83.0m but ser alt'n more localized to mostly absent anhedral mafic crysts variable in % thru out wk localized hem alt'n (i.e. 97.0m) ~2% calc vnlt, most likely as later stage barren calc veining + hairline calc stringers thru out ~2% py - variable thru out mostly as vfgr, diss in matrix (but rarely assoc., w/ mafic crysts) and locally w.d @ 103.0-104.m w/ wk patchy hem but locally w.d epi alt'n
TM-21-98	106.60	113.10	VOL	vfgr, msv, dk grey possible wk but pervasive chl alt'n thru out (greenschist?) while calcic alt'n is absent the upper 2m exhibits up to 15% calc vnlt as irregular/random but roughly at high angle and are barren presumably later stage calc veining dec to ~ 5% to end of unit mostly as random hairline stringers ~3% py - diss, vfgr, variable from <1% to 5% somewhat gradational w/ lower unit
TM-21-98	113.10	129.40	VOL	similar to above vol'c units but epi+calc alt'n is absent mod to w.d ser alt'n mostly thru out mod, locally pervasive calcic alt'n of matrix ~3% calc veining but at 124.0 - 129.4m it inc., to ~10% w/ 3 cm scale calc+/-qtz veins and @ 124.85m w/Fe carb +py ~1% py - diss, vfgr; variable thru out from 2% to trace



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-98

Nad 83, UTM Zone 16

Easting (m)	300418.10		Elevation (m)	422.95
Northing (m)	5377672.12		Azimuth(m)	45
E.O.H. (m)	200.00		dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 7, 2021

TM-21-98	129.40	138.80	TRC	<p>porphyritic, fgr/mdgr, reddish brown upper 50cm dominated by plag crystals then gradational to mostly lenticular mafic crystals & locally parallel at high angle reddish brown from pervasive wk/mod hem alt'n matrix exhibits mod/strong calcic alt'n thru out ~1% as random barren calc +/- Fe carb & rare qtz vnls ~1% py - diss thru out and local hairline stringers</p>
TM-21-98	138.80	148.15	VOL	<p>somewhat similar to vol'c @ 113.1-129.4m but pale green ser alt'n much more pervasive and almost complete lack of calcic alt'n anhedral/subhedral mm mafic crystals diss locally ~2% calc +/- Fe carb vnls/stringers @ 147.3m - chl/tm stringers over 2cm width w/ bx'd wallrock @ 140.0-140.25m - strong ser alt'n w/ chl/tm + py infill ~2% py - vfgr, diss & locally as hairline stringers</p>
TM-21-98	148.15	149.40	POR	<p>w.d porphyritic texture w/ <1-3mm plag crystals in brownish aphanitic matrix local high angle quasi 'banding' texture that appear to be coarse 'flat' frags of vol'c ~1% py - diss both contacts sharp</p>
TM-21-98	149.40	161.70	VOL	<p>similar to ser alt'd 138.8 - 148.15m locally mafic crystals are clearly alt'd to chl @ 157.8 - 159.85 - ser alt'n is absent @ 159.85 - 161.70m - ser alt'n is patchy, irregular @ 161.4 - 161.6m - diffuse porphyritic texture w/ plag crystals @ 157.4m - calc+qtz infill w/ w.d py @ 159.0m - 10cm width of w.d py clusters @ 161.55m - qtz infill w/ py ~4% py - diss, fgr/vfgr, brassy</p>
TM-21-98	161.70	162.80	VOL	<p>up to 30% as subhedral mm mafic crystals - phyric texture locally w.d in aphanitic wk hem alt'd matrix calcic alt'n absent - wk but pervasive hem alt'n suggest K-spar rich trachyte ~2% - calc+qtz vnls x-cut tm/chl + py stringer ~5% py - diss, vfgr and local hairline stringers</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-98

Nad 83, UTM Zone 16

Easting (m)	300418.10		Elevation (m)	422.95
Northing (m)	5377672.12		Azimuth(m)	45
E.O.H. (m)	200.00		dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 7, 2021

TM-21-98	162.80	175.60	VOL	<p>msv, fgr, dk greenish grey wk but pervasive chl alt'n - greenschist?? locally mafic phyrlic mostly unaffected by secondary alt'n mod pervasive calcic alt'n ~7% as calc vnlt/stringers @ 172.5 - 173.0m - barren calc vnlt x-cut by ca+tm/chl+py+/-fl stringers ~2% py - diss and local fgr clusters @ 167.2 - 167.7m - py is locally w.d (~7%) assoc., w/ ca+qtz+tm/chl infill</p>
TM-21-98	175.60	200.00	VOL	<p>similar to above udf units texture thru out is patchy, amorphous, heterogeneous due to overprinting ser alt'n - esp in lower half of unit @ 191.0 - 192.5m - is it patchy but w.d ser alt'n OR alt'n of coarse clasts??? but note w.d ser wallrock alt'n of ca+py+tm/chl vnlt @ 186.5m mod calcic alt'n thru out @ 182.6m - low angle ca+qtz vein w/ bx'd wallrock but sulphide poor in vein and bx ~2% calc +/- qtz vnlt/stringers ~1% py - diss, vfgr @ 198.75m - local cm scale py clusters</p> <p>EOH</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-99

Nad 83, UTM Zone 16

Easting (m)	300436	Elevation (m)	417.00
Northing (m)	5377655	Azimuth(m)	45
E.O.H. (m)	197.00	dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 11, 2021

TM-21-99	0.00	4.00	OVB		no return
TM-21-99	4.00	33.10	VOL		msv, fgr/mfgr, dk greenish grey locally mafic phyric at mm scale - most likely an andesitic flow variable texture thru out ranging from mostly unalt'd giving the unit a homogeneous msv texture to w.d but patchy epi+calc alt'n exhibited as 1) a distinctive coarse spotty texture - alt'd clasts?? 2) highly irregular & amorphous and 3) as selective alt'n of local plag crysts - note that locally chl grains are assoc., w/ coarse epi alt'n lower 7m of unit exhibits highly localized irregular, wkly developed ser alt'n calcic alt'n of matrix is variable anywhere from w.d to absent ~3% calc vnlt/stringers +/- rare fl and/or Fe carb - ser+chl w.r alt'n of local hairline stringers ~1% py - diss up to 2% to locally trace, rarely w/ calc stringers (15.0m)
TM-21-99	33.10	33.85	TRC		distinctive texture w/ lenticular plag crysts ranging from felted to strongly aligned at high angle matrix appears to exhibit local but w.d ser alt'n calcic alt'n thru out ~2% calc vnlt generally // at 50-60 deg ~3% py - diss, vfg
TM-21-99	33.85	64.30	VOL		same/similar as above vol'c including variability & localization of alt'n with one difference being ser alt'n is slightly increased in lower 10m of unit w/ assoc., calcic alt'n w.d to absent ~2% calc vnlt/stringers ~2% py - diss, vfg; local inc., to ~5% assoc., w/ ser alt'n as blebs within ser, in chl 'clots' within ser alt'n and hairline stringers



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-99

Nad 83, UTM Zone 16

Easting (m)	300436	Elevation (m)	417.00
Northing (m)	5377655	Azimuth(m)	45
E.O.H. (m)	197.00	dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 11, 2021

TM-21-99	64.30	111.80	VOL		although similar to above vol'c units but differentiated due to presence of local diffuse Fe carb (k-spar?) staining of matrix, esp., @ 75.7-84.0m and local bx'n locally mafic > plag phyric w/ mafic crystals alt'd to chl variable calc alt'n thru out from absent to mod diffuse local w/ky developed ser alt'n of matrix but @ 89.5-92.5m more semi-pervasive bx @ 72.65-72.85m - w/ky developed w/ calc infill - sulphide poor bx @ 87.9-88.3m - coarse angular vol'c frags w/ chl matrix/cement bx @ 103.8-104.0m - w/ local highly irregular qtz infill - also @ 105.0-105.3m but no bx'n ~3% - calc+/-qtz vnlt's mostly // at 50-70 deg locally exhibiting Fe carb staining ~3% py - diss, vfgr & hairline stringers in vol'c; locally w.d w/ coarse frags @ 109.0m
TM-21-99	111.80	114.50	TRC		porphyritic w/ 30-40% mm scale an/subhedral plag & mafics - matrix is vfgr and mostly exhibits pervasive hem staining of k-spr but locally absent plag crystals exhibit partial calcic alt'n but not matrix ~1% calc vnlt's/stringers ~2% py - diss, vfgr
TM-21-99	114.50	119.00	VOL		msv, dk greenish grey, fgr/vfgr locally mafic phyric mostly unalt'd except for pervasive background chl alt'n (greenschist?) and w/ky magnetic wk hem w.r. alt'n of local ca vnlt's (i.e. 115.65m) ~2% random calc vnlt's/stringers ~<1% to trace diss, vfgr
TM-21-99	119.00	120.05	DYK		msv, dk red brown, fgr mod magnetic mod calcic thru out ~1% ca stringers trace diss py
TM-21-99	120.05	122.70	VOL		same as 114.5-119.0m - locally w/ky magnetic



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-99

Nad 83, UTM Zone 16

Easting (m)	300436	Elevation (m)	417.00
Northing (m)	5377655	Azimuth(m)	45
E.O.H. (m)	197.00	dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 11, 2021

TM-21-99	122.70	123.90	DYK	<p>very distinctive bleached pale lite brownish grey and aphanitic w/ k-spar rich matrix 10-15% as scattered an/subhedral <1-3mm amphibole crystals wkly magnetic locally sharp contacts calcic thru out trace diss vfgr py</p>
TM-21-99	123.90	144.70	VOL	<p>similar to udf volc units above but local ser alt'n is w.d esp @ 129.0-129.9 creating a quasi bx texture of coarse highly irregular shaped frags of remnant protolith +/- py; ser alt'n also @ 126.5-126.65m assoc., w/ ca-chl/tm vnlt 15-20% as mafic > plag crystals; anhedral </= 2mm @135.65m - 25cm monzonite dyke - same as 122.7-123.9m @137.5m - 15cm wide FP dyke w/ Fe carb alt'n (mag sus too low for hem) w/ bx'd volc diectly above FP calcic alt'n confined to plag crystals 4% - calc vnlt/stringers; highly random w/ 2 phases - random stringers x-cut by slightly wider vnlt ~2% py - diss, vfgr</p>
TM-21-99	144.70	157.20	TRC	<p>both compositionally and locally texturally fgr/mdgr, mostly reddish brown texture variable from typical flow aligned amphibole laths to locally mdgr porphyritic w/ felted anhedral laths of plag (i.e 149.5-150.3m) wkly magnetic but highly localized and mostly in upper 3m and absent below mod calcic alt'n ~2% random calc vnlt/stringers </= 1% py - diss in matrix and locally w/ anhedral mafics but where plag is > mafics - where mafics are euhedral laths do not exhibit assoc., py</p>
TM-21-99	157.20	185.30	VOL	<p>same/similar to 123.9-144.7m upper 3m very wkly magnetic @ 163.2-164.4m - irregular injection of anhedral plag rich calcic trachyte @ 167.1-168.1m & 177.6-178.0m - irregular injection of dun coloured monzonite dyke (same as 122.7-123.9m) locally mafic phyric and giving rise to quasi bx texture w/ 3% py as blebs in matrix calcic alt'n is absent ~3% - ranson ca vnlt/stringers </= 1% py - diss & hairline stringers</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-99

Nad 83, UTM Zone 16

Easting (m)	300436	Elevation (m)	417.00
Northing (m)	5377655	Azimuth(m)	45
E.O.H. (m)	197.00	dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 11, 2021

TM-21-99	185.30	194.90	POR	textbook feldspar porphyry texture w/ 40% subhedral plag crystals in aphanitic matrix wk to absent calcic alt'n matrix in lower 3-4 metres is pale lite brown </= 1% py - diss in matrix
TM-21-99	194.90	197.00	VOL	similar to above udf units locally mafic phyric variable ser and calcic alt'n @ 195.4m - coarse rounded phyric frags (?) ~2% py - diss, vfgr



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-100

Nad 83, UTM Zone 16

Easting (m)	300400.58	Elevation (m)	418.4
Northing (m)	5377689.94	Azimuth(m)	45
E.O.H. (m)	200.00	dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 16, 2021

TM-21-100	0.00	7.00	OVB	no return
TM-21-100	7.00	18.65	VOL	msv, fgr, dk greenish grey w.d epi+calc alt'n locally w/ typical texture ranging from discrete coarse rounded to irregular, patchy local but rare intrusive frags -syenite? bx'n wkly developed locally over 10-20cm (i.e 16.4m) calc alt'n confined to patchy epidote ~1% ca vnlt ~1% py - diss, vfgr, rare hairline stringers
TM-21-100	18.65	19.25	BRX	polymictic coarse frags in vfgr locally ser alt'd matrix esp proximal to lower contact matrix is mod calcic thru out ~1% calc veining mostly as hairline stringers and rare Fe carb staining w/ vnlt ~3% py - diss, vfgr & hairline stringers
TM-21-100	19.25	23.65	DYK	msv, fgr, grey unaffected by alt'n except pervasive calc veining absent ~2% py - diss - primary ? both contacts sharp
TM-21-100	23.65	33.00	BRX	similar to 18.65-19.25m ranging from mostly w.d bx texture to locally diffuse frags are vol'c > intrusive; frags are variable from coarse to <1cm and rounded to mostly angular locally w.d. ser alt'n of matrix calcic alt'n of matrix and intrusive frags but not of vol'c frags epi+calc alt'n absent except @ 30.4-30.7m ~2% calc vnlt/stringers not including low angle ca+ser+chl vnlt @ 31.25-32.0m ~2% py - diss but locally up to 5% in upper selvage of above low angle vnlt
TM-21-100	33.00	38.00	VOL	similar to 7.0-18.65m patchy epi+calc alt'n thru out bx texture locally but mostly absent ~2% calc vnlt/stringers + rare Fe carb staining <1% py - diss
TM-21-100	38.00	40.35	BRX	similar to 23.65-33.0m but bx texture more localized appearing as a hybrid of above vol'c and bx units bx texture best developed in upper 30cm & 39.0-39.7m w/ angular frags <= 1cm in ser+calc matrix ~2% diss py in bx but <1% where poorly developed
TM-21-100	40.35	43.85	DYK	similar to above diorite dyke but w/ calc vnlt and pervasive ser alt'n @ 42.5-42.8m calcic alt'n thru out except where sericitic @ 42.5-42.8m both contacts sharp



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-100

Nad 83, UTM Zone 16

Easting (m)	300400.58	Elevation (m)	418.4
Northing (m)	5377689.94	Azimuth(m)	45
E.O.H. (m)	200.00	dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 16, 2021

TM-21-100	43.85	49.10	BRX		w.d bx texture thru out w/ mostly coarse sub-rounded to angular vol'c frags in ser+ca matrix matrix supported better developed bx texture than above bx units <1% calc vnlt/stringers - mostly absent except upper 50 cm ~2% py - diss, vfgr
TM-21-100	49.10	53.55	VOL		same/similar to above epi+calc alt'd vol'c units @ 52.5-53.0m - coarse irregular intrusive frags ~2% py - diss, vfgr
TM-21-100	53.55	56.10	BRX		fairly different compared to 43.85-49.1m as it's much more matrix supported and bx texture more diffuse ~2% py - diss and py and py+ca stringers - ca vnlt x-cuts py stringers - slight inc in py to <5% @ 54.4 - 54.6m
TM-21-100	56.10	83.15	VOL		somewhat similar to all above udf units w/ patchy, amorphous epi+calc alt'n (but absent below 74.0m) and highly localized ser alt'n distinctive from above units is injection of patchy irregular brownish microsyenite in lower 6m of unit - possibly hem alt'n from fluids emanating from lower unit rather than actual injection of m'syenite to a depth of 74.0m calc vnlt's are absent occurring only as local hairline stringers but patchy calc infill @ 63.8m w/ Fe carb staining assoc., w/ highly, anastomosing irregular chl/tm stringers over 20cm @ 81.6m - hem alt'n x-cut by chl+py stringers w/ chl+ser alt'n overprinting hem alt'n ~2% calc vnlt's/stringers but only below 74.0m ~2% py - diss, vfgr but slight inc., @ 64.4m as mdgr sub/euhedral assoc., w/ epi+calc alt'd m'syenite - @ 76.7m py assoc., w/ qtz+calc infill
TM-21-100	83.15	87.30	DYK		dull reddish brown, msv, fgr/mdgr homogeneous sub-volcanic texture w/ xtline equant grains at <=/= 1mm rare vol'c frags 1-2cm calcic alt'n confined to partial alt'n of plag ~2% calc vnlt's/stringers ~2% py - diss, vfgr and hairline stringers
TM-21-100	87.30	125.00	VOL		same as 56.1-83.15m @ 91.0-93.0m - patchy but w.d epi-calc alt'n but mostly absent below @ 93.0-108.0m - dull reddish brown hem alt'n locally +/- rare epidote @ 108.0-118.0m - mostly just background pervasive chl alt'n (greenschist?) @ 107.0 - 115.0m - mag sus > 1 @ 118.0-125.0m - diffuse local ser alt'n overall calcic alt'n is variable but mostly absent in matrix ~3% ca vnlt's/stringers but two barren 10cm veins (99.7 & 101.9m) exhibit w.r bx'n and 2cm vug - note that vnlt's inc., to ~10% below 115.0m ~2% py - diss, vfgr and locally developed w/ calc+qtz infill (i.e. 87.7, 88.9, 102.2, 102.7m)



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-100

Nad 83, UTM Zone 16

Easting (m)	300400.58	Elevation (m)	418.4
Northing (m)	5377689.94	Azimuth(m)	45
E.O.H. (m)	200.00	dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 16, 2021

TM-21-100	125.00	128.75	ATZ		<p>distinctive pale greyish green from ser alt'n - 'bleached' appearance remnant crystals indicate strongly alt'd vol'c calcic alt'n absent ~2% calc vnlt's but most common as discontinuous hairline stringers ~3% py - diss, vfgr commonly assoc., w/ mafic crystals and local inc., to 5% assoc., w/ calc+chl lower contact gradational over 75cm</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-101

Nad 83, UTM Zone 16

Easting (m)	300504.96	Elevation (m)	414.4
Northing (m)	5377896.24	Azimuth(m)	30
E.O.H. (m)	268	dip (m)	-70

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 16, 2021

TM-21-101	0.00	10.00	OVB		no return
TM-21-101	10.00	15.10	MNZ		msv, mdgr, dull lite grey typical intrusive/hypabyssal texture k-spar > plag > mafics (possibly close to syenite QAFP boundary) wkly calcic thru out veining is absent (either impervious to veining or late in the system - lack of any significant alt'n would suggest the latter) ~3% py - diss, vfgr/vgr very consistent thru out - probably primary
TM-21-101	15.10	58.25	VOL		msv, dk greenish grey, vfgr/mdgr locally mafic phyric as an/subhedral grains - esp., in lower 6m wk, pervasive background chl alt'n - greenschist? calcic alt'n is mostly confined to hairline fx's but matrix is locally alt'd local wkly developed ser alt'n over 10-40cm widths best developed in upper 10m and mod developed @ 32.50-34.15m majority of unit is wk/mod magnetic - thus no mag destruction from h'T alt'n @ 20.45m - ca+fl+py vnlts @ 23.15m - 25cm poorly developed bx w/ 3% vfgr diss py @ 24.60m - 15cm poorly developed bx w/ 2% vfgr diss py @ 37.35m - 10cm py+calc infill @ 45.90m - 15cm w.d ca+qtz+hem+py infill @ 48.0 - 52.3m - intercalated w/ microsyenite(trachyte?) w/ rare coarse vol'c frags @ 56.65m - irregular, aphanitic chl/tm+ca+py infill ~3% calc vnlts/stringers ~2% py - vfgr, diss & local hairline stringers & w/ vnlts described above
TM-21-101	58.25	107.25	POR		FP - unique unit due to variability thru out - ranges from textbook porphyritic texture to highly diffuse/absent dependent on tenor of overprinting ser±calc±chl alt'n ser is mostly lite dun brownish grey but locally occurs as low angle 'bands' (i.e. 94.3m) w/ a more lite pale developed greenish hue where assoc., w/ calc+chl/tm low angle vnlts 1-2 cm wide where alt'n completely overprints - plag crysts are absent & primary mafic crysts are alt'd to a pale but distinctive green chl(?) calcic alt'n is variable thru out both within and outside of ser alt'n @ 89.0-94.0m vfgr alt'n is dull brownish hue possibly due to wk diffuse hem alt'n ~3% - calc>qtz vnlts/stringers plus hairline fx fill only observed w/ acid - vnlts dec to <1% below 94.0m @ 101.0m - 4cm aphanitic black chl/tm vnlts w/ vfgr diss py + mdgr blebs - Note: above and below vnlts is good example of overprinting alt'n ~2% py - diss, vfgr thru out - no real difference fresh and alt'd sections, however; @ 80.8m - 1cm py+calc vnlts within a 20cm wide distinctive black matrix FP - w.r alt'n of vnlts? @ 81.0m - wispy py vnlts w/ minor cpy occurs within mod ser alt'n



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-101

Nad 83, UTM Zone 16

Easting (m)	300504.96	Elevation (m)	414.4
Northing (m)	5377896.24	Azimuth(m)	30
E.O.H. (m)	268	dip (m)	-70

Drilling Company Berube Repairs

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Date: July 16, 2021

TM-21-101	107.25	116.65	VOL		similar to above vol'c - dk greenish grey, msv, vfgr to locally aphanitic to locally mdgr rare local intrusive frags @ 108.2m - low angle chl/tm+py vnlts <1cm wide assoc., w/ calc infill @ 110.5 - 112.5 - phytic texture locally in background of diffuse patchy hem(?) calcic alt'n variable from absent to hairline fx fill to locally matrix alt'd ~1% calc vnlts/stringers ~2% py - diss, vfgr to local inc., of 4% @ 110.5 - 112.0m & @ 115.7m as irregular infill over 20 cm
TM-21-101	116.65	127.55	POR		similar to above FP but dun coloured mod ser alt'n of matrix is pervasive thru out except @ 123.5m where dk grey unalt'd matrix but ser alt'n is w.d directly above over 40cm width wkly calcic due to alt'n of plag veining absent ~1% py - diss, vfgr lower contact sharp - chill margin?
TM-21-101	127.55	136.60	MNZ		top 50cm is vfgr but grades into fgr/mdgr msv, dull pink/brown/grey intrusive texture wkly calcic thru out where colour is pinkish is from diffuse overprinting hem alt'n veining is absent except one 5cm calc vnlts ~3% py - diss, vfgr but more common as irregular discontinuous stringers & rare patchy py+ca infill (i.e. 130.5m) lower contact appears to be chill margin
TM-21-101	136.60	139.15	VOL		msv, fgr/vfgr, pale greenish grey pale colour due to wk but semi-pervasive ser alt'n veining is absent but occurs as hairline fx fill - noted from effervesence only ~3% py - diss, vfgr to mostly as irregular discontinuous stringers best developed proximal to upper & lower contacts
TM-21-101	139.15	150.50	MNZ		similar to above monzonite hypabyssal but hem alt'n much more pronounced & pervasive to 142.8m and becomes more typical grey colour to lower contact @ 141.5 - 145.5m - wkly magnetic calcic alt'n is mostly absent where hem alt'd and mod in lower unalt'd section ~1% - calc vnlts/stringers ~2% py - diss, vfgr to random stringers (i.e. 149.5m)
TM-21-101	150.50	153.20	VOL		same/similar to 136.6 - 139.15m but py inc., to ~5%



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TM-21-101

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Northing (m)	5377896.24	Azimuth(m)	30
E.O.H. (m)	268	dip (m)	-70

Drilling Company Berube Repairs

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Date: July 16, 2021

TM-21-101	153.20	157.75	DYK	intercalated between FP & monzonite hypabyssal & distinctive dk green fgr 30cm dyke (not vol'c) w/ sharp contacts @ 153.2 - 153.8m - FP @ 153.8 - 154.1m - fgr green dyke @ 154.1 - 155.7m - MNZ (more fgr than above mnz unit) @ 155.7 - 157.75m - FP very pale diffuse brownish hem(?) alt'n locally calcic alt'n is absent ~2% ca vnlt/stringers ~2% py - diss, vfgr & local irregular stringers
TM-21-101	157.75	169.60	VOL	similar to above vol'c udf units except; ser alt'n is locally inc (i.e. 166.0m) py locally w.d w/ ca+chl/tm vnlt and infill occurring below 163.2m (i.e 166.9 & 168.0m) @ 157.8 - 162.6m - >5% calc vnlt @ 162.6 - 169.6m - <2% calc vnlt sharp lower contact
TM-21-101	169.60	173.00	POR	porphyritic texture evident thru out but entire unit is distinctive reddish brown from pervasive hem alt'n of matrix @ 172.3m - 10cm vol'c frag calcic alt'n confined to hairline fx fill ~1% calc vnlt/stringers tr py sharp lower contact
TM-21-101	173.00	174.65	DYK	fgr/mdgr, dk/med grey, msv - homogeneous texture thru out calcic alt'n is absent ~2% calc vnlt/stringers ~2% py - diss locally to absent but @ 174.4 local inc., as cluster of blebs @ 174.5m - one frag of brownish FP sharp lower contact
TM-21-101	174.65	189.50	POR	highly variable thru out from well preserved porphyritic texture to where texture is diffuse to destroyed from mod/strong ser alt'n hem alt'n mostly absent except diffuse & patchy@ 183.0-184.0m calcic alt'n is mostly absent esp., where ser alt'd ~2% calc vnlt/stringers @ 182.8 - 183.2m - w.d clast supported bx w/ vol'c frags in qtz+ser matrix/cement ~2% py - diss, vfgr and locally as w.d py+ca+chl/tm vnlt (i.e. 183.6m)
TM-21-101	189.50	199.70	VOL	somewhat similar to above vol'c units but; local patchy diffuse dull reddish brown hem alt'n for most of unit & lower 3m where hem alt'n is absent exhibits semi-pervasive ser+chl alt'n locally wkly to absent calcic alt'n where hematitic but inc., in lower ser alt'n ~2% calc vnlt/stringers ~3% py - diss, vfgr but best developed as local clusters of fgr blebs & irregular stringers



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-101

Nad 83, UTM Zone 16

Easting (m)	300504.96	Elevation (m)	414.4
Northing (m)	5377896.24	Azimuth(m)	30
E.O.H. (m)	268	dip (m)	-70

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 16, 2021

TM-21-101	199.70	203.75	TRC	<p>med grey, fgr/mdgr, msv trachyte texture evident locally w/ mafic crysts but unit is somewhat mottled due to variable grain size, local trachytic texture and local hem staining esp., proximal to lower contact mod calcic alt'n 3% calc > qtz vnltts/stringers ~1% py - trace in matrix but locally as scattered blebs (i.e. 203.2m) & discontinuous stringers lower contact sharp</p>
TM-21-101	203.75	207.40	POR	<p>typical porphyritic texture plag > > mafic crysts matrix is strongly hem alt'd calcic alt'n is absent ~1% qtz+ca+chl stringers trace diss py lower contact sharp</p>
TM-21-101	207.40	221.60	TRC	<p>similar to 199.7 - 203.75m except for; calcic alt'n more variable thru out slight inc., in py to 3% @ 216.2 - 216.4m - low angle py+chl/tm stringers lower contact sharp</p>
TM-21-101	221.60	224.00	POR	<p>porphyritic texture mostly diffuse due to semi-pervasive ser alt'n of matrix hem & calcic alt'n is absent ~1% qtz stringers tr diss py</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-101

Nad 83, UTM Zone 16

Easting (m)	300504.96	Elevation (m)	414.4
Northing (m)	5377896.24	Azimuth(m)	30
E.O.H. (m)	268	dip (m)	-70

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 16, 2021

TM-21-101	224.00	268.00	TRC		<p>mottled heterogeneous texture thru out mostly due to patchy diffuse to locally w.d hem alt'n esp., as w.r alt'n of qtz stringers (i.e. 224.3 - 225m)</p> <p>trachytic texture locally preserved</p> <p>~3% qtz vnlt/stringers overall but varies locally from <1 to 10% - veining is non-vitreous, milky white & commonly bx's w.r - most at high angle</p> <p>NOTE: complete absence of calcic alt'n and vnlt/stringers</p> <p>~2% py - diss, vfgr & locally assoc., w/ qtz infill (i.e. 238.65m)</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-102

Nad 83, UTM Zone 16

Easting (m)	300398.36	Elevation (m)	402.44
Northing (m)	5377932.10	Azimuth(m)	30
E.O.H. (m)	140.00	dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 23, 2021

TM-21-102	0.00	9.00	OVB		no return except 25cm of boulder
TM-21-102	9.00	22.75	VOL		mottled green/grey, msv, vfgr/mdgr mafic phyrlic thru out most of unit patchy ser alt'n locally in background of chl alt'd vol'c (g'schist?) calcic alt'n of matrix is absent ~1% local calc vnlt/stringers & hairline fx fill chl/tm +/- py stringers locally (i.e. 9.25, 19.45 & 20.95m) ~3% py - diss, vfgr + as described above lower m is intercalated w/ lower FP - lower contact sharp
TM-21-102	22.75	28.25	POR		matrix dull lite grey from ser alt'n FP texture locally destroyed calcic alt'n absent ~1% qtz vnlt/stringers ~1% py - diss, vfgr lower contact sharp
TM-21-102	28.25	31.80	VOL		fgr, msv, dk grey possibly same/similar to above vol'c but lacks ser alt'n except intercalated FP (30.5m) most distinctive feature is local bx'n; @29.15 - 29.30m - clast supported w/ chl/tm matrix/cement @29.30 - 30.40m - highly irregular qtz +/- ca vnlt w/ w.d bx'n of w.r - locally w/ vein hosted patchy py calcic alt'n absent 15% qtz +/- ca vnlt/stringers <1% py - trace diss, vfgr & as above
TM-21-102	31.80	48.50	POR		similar to above FP but tenor of ser alt'n is decreased as matrix is more dk/med grey and below 44.75m matrix is lite greyish brown @37.35m - 15cm width of dense chl/tm + qtz infill bx'g w.r w/ 10% blebby py over the width (if this sample returns highly anomalous Au this would explain the grade plus it shows that chl/tm + qz postdates FP) also noted at 43.40m ~3% qtz +/- ca vnlt/stringers w/ local w.r bx'n ~2% py - diss, vfgr in matrix + as described above lower contact as 10cm chill margin
TM-21-102	48.50	50.90	VOL		very similar to 9.00-22.75m but strong distinctive pale green ser alt'n is pervasive thru out mafic phyrlic texture preserved thru out ~3% qtz vnlt/stringers ~2% py - diss, vfgr and local blebby clusters lower contact sharp w/ qtz vnt
TM-21-102	50.90	59.40	POR		similar to above FP units but ser alt'n variable from absent to locally pervasive to locally 'selective' of matrix giving the unit a quasi spotted texture ~1% qtz vnlt/stringers <2% py - diss, vfgr lower contact very sharp



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-102

Nad 83, UTM Zone 16

Easting (m)	300398.36	Elevation (m)	402.44
Northing (m)	5377932.10	Azimuth(m)	30
E.O.H. (m)	140.00	dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 23, 2021

TM-21-102	59.40	61.75	VOL	<p>somewhat similar to 48.50 - 50.90m w/ regards to ser alt'n but more localized phyric texture mostly absent @60.50 - 61.75m - poorly developed clast supported bx w/ aphanitic black chl/tm matrix including <5% py mostly in frags & also diss overall py = 3% lower contact sharp</p>
TM-21-102	61.75	63.15	POR	<p>same as above FP but ser alt'n of matrix more pervasive upper contact as chill margin anhedral mafic crystals locally - best developed proximal to upper contact 1% qtz vnlt ~1% py - diss, vfgr</p>
TM-21-102	63.15	74.00	VOL	<p>similar to above vol'c units w/ patchy to semi-pervasive ser alt'n & mafic phyric thru out @ 68.70 - 71.75m - the unit is x-cut by fgr, msv pale brownish grey intercept w/ highly irregular contacts - possibly quenched FP (?) within in vol'c proximal to upper & lower contacts but esp., in fgr FP are irregular chl/tm stringers/infill ~5% diss py in matrix & host rock ~3% py overall - diss, vfgr & as irregular hairline stringers & as above lower contact sharp</p>
TM-21-102	74.00	76.25	POR	<p>dull lite brown matrix @ 74.30m - 10cm 'clast' of fgr FP(?) w/ 7% py & x-cut by chl/tm + qtz vnlt which is x-cut by barren qtz stringer @ 74.75m - 20cm intercept of chl-ser alt'd vol'c 2% py - diss, vfgr</p>
TM-21-102	76.25	79.00	VOL	<p>similar to above vol'c units w/ patchy ser alt'n @ 76.25 - 76.80m - 20% as chl/tm stringers w/ up to 10% py - stringers also occur locally up to 79.0m ~1% qtz vnlt/stringers ~3% py - diss, vfgr and as described above</p>
TM-21-102	79.00	80.15	POR	<p>msv, brownish matrix thru out w/ >40% plag crystals @ 79.20m - 5cm qtz+ca vnlt x-cut by py stringer @ 79.60m - qtz stringer x-cuts chl/tm stringers 2% qtz vnlt/stringers 1% py - diss, vfgr & as described above lower contact sharp</p>
TM-21-102	80.15	81.90	TRC	<p>msv, fgr/vfgr, dull dk reddish brownish grey finer grained than most trachyte units observed from othe holes but texture can be discerned locally (esp., w/ acid) mod calcic alt'd reddish hue from wk background hem alt'n 1% calc vnlt/stringers 2% py - <1% as diss and >1% as local discontinuous hairline stringers lower contact is diffuse but observable</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-102

Nad 83, UTM Zone 16

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Northing (m)	5377932.10	Azimuth(m)	30
E.O.H. (m)	140.00	dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 23, 2021

TM-21-102	81.90	88.30	VOL		<p>somewhat similar to above vol'c units but ser alt'n is significantly decreased to local but wkly developed AND locally wkly/mod magnetic @ 83.25 - 85.40m</p> <p>mafic phyric thru out</p> <p>calcic alt'n variable from locally pervasive of matrix to only as hairline fx fill</p> <p>3% calc vnlt's but mostly as highly random stringers</p> <p>2% py - diss, vfgr & highly random discontinuous stringers</p> <p>lower 1.5m is intercalated w/ trachyte</p>
TM-21-102	88.30	90.40	TRC		<p>similar to above trachyte but hem alt'n is absent & trachyte texture more prevalent</p> <p>calcic alt'n limited to hairline fx's</p> <p>1% calc stringers</p> <p>2% py - diss, vfgr & locally patchy w/ chl/tm + calc infill (i.e. 88.45m)</p>
TM-21-102	90.40	97.60	VOL		<p>similar to 81.90 - 88.30m including intercalated w/ trachyte in lower 2.5m</p> <p>slight inc in patchy ser alt'n - (i.e. 93.5 - 94.0m & 95.8 - 97.6m)</p> <p>mod calcic alt'n of matrix</p> <p>2% ca vnlt's/stringers</p> <p>2% py - diss, vfgr & local stringers</p> <p>lower contact discerned by texture</p>
TM-21-102	97.60	102.20	TRC		<p>similar to above trachyte but locally intercalated w/ vol'c @ 98.7 - 98.9m</p> <p>calcic alt'n highly variable from absent to mod in matrix</p> <p>@ 101.6 - 101.8m - x-cutting chl alt'n +/- py</p> <p>1% calc stringers</p> <p>2% py - diss, vfgr & as above</p>
TM-21-102	102.20	108.40	POR		<p>diffuse por texture thru out most of unit</p> <p>intercalated w/ phyric vol'c in lower 1.5m</p> <p>upper 20cm is fgr w/ rare plag crysts - chill margin?</p> <p>wkly developed brownish matrix to 105.0m than more dk grey to 108.4m</p> <p>calcic alt'n is absent</p> <p>2% qtz vnlt's/stringers</p> <p>1% py - diss, vfgr</p> <p>lower contact sharp</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-102

Nad 83, UTM Zone 16

Easting (m)	300398.36	Elevation (m)	402.44
Northing (m)	5377932.10	Azimuth(m)	30
E.O.H. (m)	140.00	dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 23, 2021

TM-21-102	108.40	111.10	TRC	intercalated trachyte > vol'c of note is lowest 20cm as chl alt'd vol'c w/ patchy mod ser alt'n w/ discontinuous chl/tm + py stringers x-cutting ser alt'n 2% qtz vnlt/stringers 1% py - mostly as hairline stringers & as above lower contact sharp
TM-21-102	111.10	116.40	POR	por texture evident thru out matrix varies from med grey to reddish brown esp., in lower 2m @ 115.4 - 15cm width of trachyte - so is it an xenolith or injected?? 2% qtz vnlt/stringers 1% py - diss, vfgr lower contact sharp and intercalated w/ lower vol'c
TM-21-102	116.40	124.90	VOL	similar to 90.4 - 97.6m in that ser alt'n is patchy & wkly developed locally mafic phyrlic mod calcic alt'n of matrix @ 121.0m - diffuse bx texture suggests auto bx'n 3% calc vnlt/stringers + <1% qtz 2% py - as hairline stringers usually assoc., w/ ca and/or qtz stringers/infill lower contact highly irregular/mixed
TM-21-102	124.90	135.50	TRC	similar to 108.4 - 111.1m but now vol'c > trachyte local qtz vnlt/infill w/ chl/tm +/- py locally to 127.3m @ 134.6m - 30cm wide intercept of FP @ 125.5m - qz vnlt w/ 1cm chl/tm w.r alt'n @ 133.15m - chl/tm + py but no qtz 2% qtz vnlt/stringers 2% py - mostly as described above & local irregular stringers (i.e. 132.8m)



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-102

Nad 83, UTM Zone 16

Easting (m)	300398.36	Elevation (m)	402.44
Northing (m)	5377932.10	Azimuth(m)	30
E.O.H. (m)	140.00	dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 23, 2021

TM-21-102	135.50	138.50	POR		upper 70cm & lower 1m is roughly banded/intercalated w/ vol'c majority of unit exhibits mod/st hem alt'n of matrix 1% qtz vnlt/stringers 1% py - diss, vfgr - slightly better developed in upper intercalated zone lower contact sharp
TM-21-102	138.50	140.00	VOL		similar to above units w/ no calcic alt'n 3% py - irregular discontinuous stringers and locally patchy blebs (i.e. 139.5m)



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-103

Nad 83, UTM Zone 16

Easting (m)	300299.21	Elevation (m)	409.07
Northing (m)	5377993.47	Azimuth(m)	30
E.O.H. (m)	149.00	dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 27, 2021

TM-21-102	0.00	9.00	OVB	no return except 25cm of boulder
TM-21-102	9.00	22.75	VOL	mottled green/grey, msv, vfgr/mdgr mafic phyrlic thru out most of unit patchy ser alt'n locally in background of chl alt'd vol'c (g'schist?) calcic alt'n of matrix is absent ~1% local calc vnlt/stringers & hairline fx fill chl/tm +/- py stringers locally (i.e. 9.25, 19.45 & 20.95m) ~3% py - diss, vfgr + as described above lower m is intercalated w/ lower FP - lower contact sharp
TM-21-102	22.75	28.25	POR	matrix dull lite grey from ser alt'n FP texture locally destroyed calcic alt'n absent ~1% qtz vnlt/stringers ~1% py - diss, vfgr lower contact sharp
TM-21-102	28.25	31.80	VOL	fgr, msv, dk grey possibly same/similar to above vol'c but lacks ser alt'n except intercalated FP (30.5m) most distinctive feature is local bx'n; @29.15 - 29.30m - clast supported w/ chl/tm matrix/cement @29.30 - 30.40m - highly irregular qtz +/- ca vnlt w/ w.d bx'n of w.r - locally w/ vein hosted patchy py calcic alt'n absent 15% qtz +/- ca vnlt/stringers <1% py - trace diss, vfgr & as above
TM-21-102	31.80	48.50	POR	similar to above FP but tenor of ser alt'n is decreased as matrix is more dk/med grey and below 44.75m matrix is lite greyish brown @37.35m - 15cm width of dense chl/tm + qtz infill bx'g w.r w/ 10% blebby py over the width (if this sample returns highly anomalous Au this would explain the grade plus it shows that chl/tm + qz postdates FP) also noted at 43.40m ~3% qtz +/- ca vnlt/stringers w/ local w.r bx'n ~2% py - diss, vfgr in matrix + as described above lower contact as 10cm chill margin
TM-21-102	48.50	50.90	VOL	very similar to 9.00-22.75m but strong distinctive pale green ser alt'n is pervasive thru out mafic phyrlic texture preserved thru out ~3% qtz vnlt/stringers ~2% py - diss, vfgr and local blebby clusters lower contact sharp w/ qtz vnt
TM-21-102	50.90	59.40	POR	similar to above FP units but ser alt'n variable from absent to locally pervasive to locally 'selective' of matrix giving the unit a quasi spotted texture ~1% qtz vnlt/stringers <2% py - diss, vfgr lower contact very sharp



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-103

Nad 83, UTM Zone 16

Easting (m)	300299.21	Elevation (m)	409.07
Northing (m)	5377993.47	Azimuth(m)	30
E.O.H. (m)	149.00	dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 27, 2021

TM-21-102	59.40	61.75	VOL		somewhat similar to 48.50 - 50.90m w/ regards to ser alt'n but more localized phyric texture mostly absent @60.50 - 61.75m - poorly developed clast supported bx w/ aphanitic black chl/tm matrix including <5% py mostly in frags & also diss overall py = 3% lower contact sharp
TM-21-102	61.75	63.15	POR		same as above FP but ser alt'n of matrix more pervasive upper contact as chill margin anhedral mafic crystals locally - best developed proximal to upper contact 1% qtz vnlt ~1% py - diss, vfgr
TM-21-102	63.15	74.00	VOL		similar to above vol'c units w/ patchy to semi-pervasive ser alt'n & mafic phyric thru out @ 68.70 - 71.75m - the unit is x-cut by fgr, msv pale brownish grey intercept w/ highly irregular contacts - possibly quenched FP (?) within in vol'c proximal to upper & lower contacts but esp., in fgr FP are irregular chl/tm stringers/infill ~5% diss py in matrix & host rock ~3% py overall - diss, vfgr & as irregular hairline stringers & as above lower contact sharp
TM-21-102	74.00	76.25	POR		dull lite brown matrix @ 74.30m - 10cm 'clast' of fgr FP(?) w/ 7% py & x-cut by chl/tm + qtz vnlt which is x-cut by barren qtz stringer @ 74.75m - 20cm intercept of chl-ser alt'd vol'c 2% py - diss, vfgr
TM-21-102	76.25	79.00	VOL		similar to above vol'c units w/ patchy ser alt'n @ 76.25 - 76.80m - 20% as chl/tm stringers w/ up to 10% py - stringers also occur locally up to 79.0m ~1% qtz vnlt/stringers ~3% py - diss, vfgr and as described above
TM-21-102	79.00	80.15	POR		msv, brownish matrix thru out w/ >40% plag crystals @ 79.20m - 5cm qtz+ca vnlt x-cut by py stringer @ 79.60m - qtz stringer x-cuts chl/tm stringers 2% qtz vnlt/stringers 1% py - diss, vfgr & as described above lower contact sharp
TM-21-102	80.15	81.90	TRC		msv, fgr/vfgr, dull dk reddish brownish grey finer grained than most trachyte units observed from othe holes but texture can be discerned locally (esp., w/ acid) mod calcic alt'd reddish hue from wk background hem alt'n 1% calc vnlt/stringers 2% py - <1% as diss and >1% as local discontinuous hairline stringers lower contact is diffuse but observable



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-103

Nad 83, UTM Zone 16

Easting (m)	300299.21	Elevation (m)	409.07
Northing (m)	5377993.47	Azimuth(m)	30
E.O.H. (m)	149.00	dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 27, 2021

TM-21-102	81.90	88.30	VOL		<p>somewhat similar to above vol'c units but ser alt'n is significantly decreased to local but wkly developed AND locally wkly/mod magnetic @ 83.25 - 85.40m</p> <p>mafic phyric thru out</p> <p>calcic alt'n variable from locally pervasive of matrix to only as hairline fx fill</p> <p>3% calc vnlt's but mostly as highly random stringers</p> <p>2% py - diss, vfgr & highly random discontinuous stringers</p> <p>lower 1.5m is intercalated w/ trachyte</p>
TM-21-102	88.30	90.40	TRC		<p>similar to above trachyte but hem alt'n is absent & trachyte texture more prevalent</p> <p>calcic alt'n limited to hairline fx's</p> <p>1% calc stringers</p> <p>2% py - diss, vfgr & locally patchy w/ chl/tm + calc infill (i.e. 88.45m)</p>
TM-21-102	90.40	97.60	VOL		<p>similar to 81.90 - 88.30m including intercalated w/ trachyte in lower 2.5m</p> <p>slight inc in patchy ser alt'n - (i.e. 93.5 - 94.0m & 95.8 - 97.6m)</p> <p>mod calcic alt'n of matrix</p> <p>2% ca vnlt's/stringers</p> <p>2% py - diss, vfgr & local stringers</p> <p>lower contact discerned by texture</p>
TM-21-102	97.60	102.20	TRC		<p>similar to above trachyte but locally intercalated w/ vol'c @ 98.7 - 98.9m</p> <p>calcic alt'n highly variable from absent to mod in matrix</p> <p>@ 101.6 - 101.8m - x-cutting chl alt'n +/- py</p> <p>1% calc stringers</p> <p>2% py - diss, vfgr & as above</p>
TM-21-102	102.20	108.40	POR		<p>diffuse por texture thru out most of unit</p> <p>intercalated w/ phyric vol'c in lower 1.5m</p> <p>upper 20cm is fgr w/ rare plag crysts - chill margin?</p> <p>wkly developed brownish matrix to 105.0m than more dk grey to 108.4m</p> <p>calcic alt'n is absent</p> <p>2% qtz vnlt's/stringers</p> <p>1% py - diss, vfgr</p> <p>lower contact sharp</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-103

Nad 83, UTM Zone 16

Easting (m)	300299.21	Elevation (m)	409.07
Northing (m)	5377993.47	Azimuth(m)	30
E.O.H. (m)	149.00	dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 27, 2021

TM-21-102	108.40	111.10	TRC	intercalated trachyte > vol'c of note is lowest 20cm as chl alt'd vol'c w/ patchy mod ser alt'n w/ discontinuous chl/tm + py stringers x-cutting ser alt'n 2% qtz vnlt/stringers 1% py - mostly as hairline stringers & as above lower contact sharp
TM-21-102	111.10	116.40	POR	por texture evident thru out matrix varies from med grey to reddish brown esp., in lower 2m @ 115.4 - 15cm width of trachyte - so is it an xenolith or injected?? 2% qtz vnlt/stringers 1% py - diss, vfgr lower contact sharp and intercalated w/ lower vol'c
TM-21-102	116.40	124.90	VOL	similar to 90.4 - 97.6m in that ser alt'n is patchy & wkly developed locally mafic phyrlic mod calcic alt'n of matrix @ 121.0m - diffuse bx texture suggests auto bx'n 3% calc vnlt/stringers + <1% qtz 2% py - as hairline stringers usually assoc., w/ ca and/or qtz stringers/infill lower contact highly irregular/mixed
TM-21-102	124.90	135.50	TRC	similar to 108.4 - 111.1m but now vol'c > trachyte local qtz vnlt/infill w/ chl/tm +/- py locally to 127.3m @ 134.6m - 30cm wide intercept of FP @ 125.5m - qz vnlt w/ 1cm chl/tm w.r alt'n @ 133.15m - chl/tm + py but no qtz 2% qtz vnlt/stringers 2% py - mostly as described above & local irregular stringers (i.e. 132.8m)



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-103

Nad 83, UTM Zone 16

Easting (m)	300299.21	Elevation (m)	409.07
Northing (m)	5377993.47	Azimuth(m)	30
E.O.H. (m)	149.00	dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 27, 2021

TM-21-102	135.50	138.50	POR		upper 70cm & lower 1m is roughly banded/intercalated w/ vol'c majority of unit exhibits mod/st hem alt'n of matrix 1% qtz vnlt/stringers 1% py - diss, vfgr - slightly better developed in upper intercalated zone lower contact sharp
TM-21-102	138.50	140.00	VOL		similar to above units w/ no calcic alt'n 3% py - irregular discontinuous stringers and locally patchy blebs (i.e. 139.5m)



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-104

Nad 83, UTM Zone 16

Easting (m)	301028	Elevation (m)	485.74
Northing (m)	5377589	Azimuth(m)	28.88
E.O.H. (m)	287	dip (m)	-44.82

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 30, 2021

TM-21-104	202.75	223.60	TRC	<p>highly intercalated between fgr trachyte & local mdgr monzonite - contacts are diffuse & gradational</p> <p>@ 205.2 - 206.0m - possible msv vol'c intercept</p> <p>@ 206.0 - 208.5m - mod semi-pervasive hem staining enhances intrusive texture</p> <p>trachytic sections exhibit mod calcic alt'n but in monzonite it's absent</p> <p>overall veining is 5% - calcic vnlt << hairline stringers in both lithologies w/ qtz as local vnlt +/- Fe carb - qtz vnlt</p> <p>best developed in lower 3m as are density of calc stringers w/ wkly developed hem staining</p> <p>@ 212.7m - ca+epi+hem stringers locally // at 50 deg</p> <p>@ 217.5m - ca+chl/tm vnlt & one ca+fl vnlt</p> <p>@ 220.1m - qtz infill w/ calc + hem alt'n AND irregular network of chl/tm stringers</p> <p>trace py</p> <p>lower contact sharp</p> <p>mod/strongly magnetic thru out</p>
TM-21-104	223.60	273.10	MNZ	<p>mdgr, msv, speckled grey/green - typical intrusive felted texture homogeneous thru out most of unit</p> <p>local wk/mod semi-pervasive epi (+ser?) alt'n</p> <p>@ 228.6m - 15cm banded vnlt of ca+epi+chl/tm w/ w.d hem selvages</p> <p>@ 234.3 - 235.4m - fgr, diffuse trachyte (?) w/ hem alt'n of ca vnlt/stringers</p> <p>@ 243.5m - very low angle epi stringer over 30cm long</p> <p>@ 248.75m - ca+chl/tm 3mm vnlt w/ 3cm hem w.r alt'n</p> <p>@ 250.15m - 8cm qtz vnlt w/ patchy remnant w.r</p> <p>@ 256.3 - 256.8m / 265.1 - 266.5m - mod semi-pervasive hem alt'n of plag phyric dykes (?)</p> <p>mod/strong magnetic</p> <p>5% qtz and/or ca vnlt/stringers</p> <p>trace py</p> <p>lower contact sharp</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-104

Nad 83, UTM Zone 16

Easting (m)	301028	Elevation (m)	485.74
Northing (m)	5377589	Azimuth(m)	28.88
E.O.H. (m)	287	dip (m)	-44.82

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: July 30, 2021

TM-21-104	273.10	287.00	TRC	<p>msv, vfgr/fg, dk grey upper 30cm exhibits high density of ca+qtz stringers @ 273.4m - qtz+py+chl/tm stringer @ 273.7 - 274.0m - high density of chl/tm stringers; non-magnetic @ 274.6 - 275.0m - // ca stringers at 60 deg w/ very w.d ser+hem w.r alt'n; gives intercept well banded texture @ 281.2 - 282.5m - low angle qtz+ca+fl vnlt (quasi epithermal texture) @ 285.3 - 286.0m - very irregular, low angle 'dykelet' of hem stained intrusive mod/strong magnetic - except where noted above matrix mostly mod calcic alt'd 5% ca+/-qtz+/-fl+/-hem vnlt/stringers sulphide poor - except @ 280.25m w/ cpy grains assoc., w/ ca vnlt</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-105

Nad 83, UTM Zone 16

Easting (m)	300633.58	Elevation (m)	446.41
Northing (m)	5377545.91	Azimuth(m)	70.00
E.O.H. (m)	224.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 4, 2021

TM-21-105	0.00	8.40	OVB	no return
TM-21-105	8.40	29.70	VOL	<p>highly mixed/intercalated between 1) dk greenish grey, fgr, msv partially mafic phyric and 2) med dun coloured, fgr/vfgr matrix w/ w.d med gr mafic phyric</p> <p>2) is a possible hypabyssal w/ locally sharp but highly irregular contacts (i.e. 10.70m) and appears to x-cut 1) but below 10.70m contacts are gradational - so either a hypabyssal injected while 1) was 'hot/warm' OR possible bimodal phyric flows</p> <p>local wkly developed patchy diffuse epi(?) alt'n (i.e. 17.7m)</p> <p>calcic alt'n of matrix is absent and ca confined to hairline fx fill and local vnlt/stringers</p> <p>3% ca vnlt/stringers +/- qtz, fl</p> <p>@15.90m - qtz vnlt w/ epi + fe carb(?) + ca w.r alt'n</p> <p>@18.75m - 10cm wide bx w/ angular coarse fe carb (?) alt'd hypabyssal frags in vfgr dk/med grey vol'c matrix</p> <p>@21.30m - low angle ca+fl+qtz vnlt</p> <p>@27.50m - low angle qtz+py vnlt</p> <p>@28.15m - patchy blebs of py over 15cm</p> <p>@29.00m - curvilinear to planar fl+ca+qtz vnlt w/ pervasive ser w.r alt'n up to 30cm above and below</p> <p>@29.15m - qtz+ca+py vnlt</p> <p>~1% py - diss and as deccribed above</p> <p>sharp lower contact</p>
TM-21-105	29.70	39.65	VOL	<p>msv, vfgr/fgr, dk grey to locally med grey</p> <p>locally wkly mafic phyric</p> <p>local irregular hypabyssal injection similar to above but much less developed</p> <p>one significant difference is this unit exhibits mod calcic alt'n thru out</p> <p>@32.40m - ca vnlt exhibit partial hem staining</p> <p>@34.00m - ca vnlt x-cuts qtz vnlt - both are py barren</p> <p>@36.65m - py assoc., w/ qtz+ca vnlt/stringers over 15cm</p> <p>5% ca+qtz vnlt/stringers (note: fl and epi are absent)</p> <p><1% py - diss py is trace/absent & as described above</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-105

Nad 83, UTM Zone 16

Easting (m)	300633.58	Elevation (m)	446.41
Northing (m)	5377545.91	Azimuth(m)	70.00
E.O.H. (m)	224.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 4, 2021

TM-21-105	39.65	66.75	HYP	<p>somewhat similar to 8.4 - 29.7m but much more mixed and complex giving rise to highly mottled texture w/ hyp > vol'c</p> <p>another difference is the local presence of irregular chl/tm stringers +/- py (i.e. 44.30m)</p> <p>pale green ser alt'n locally</p> <p>calcic alt'n of matrix is absent</p> <p>3% ca +/- Qtz(chert) vnlt/stringers</p> <p>@42.00-45.20m - unique pale lite green chert locally which appear to be veins and are x-cut by chl/tm +/- py stringers and @ 53.75 one chert vein exhibits banding/layering</p> <p>@45.30m - py locally w.d w/ random chl/tm stringers</p> <p>@49.70m - 3cm ca+Qtz+chl/tm+py vnlt</p> <p>@50.30m - py locally w.d w/ random chl/tm stringers</p> <p>@56.10m - partially developed bx over 5cm w/ chl/tm+py matrix</p> <p>@60.00m - very low angle Qtz+ca vnlt over 50cm</p> <p>@63.20m - 5cm wide ca+hem+py vnlt</p> <p>@66.30m - low angle ca+chl+py vnlt</p> <p>3% py - diss, vfgr thru out and as described above</p>
TM-21-105	66.75	76.50	VOL	<p>msv, fgr/vfgr, greenish grey</p> <p>locally mafic phyric</p> <p>lacks distinctive mdgr phyric hypabyssal texture</p> <p>locally developed wk/mod ser alt'n</p> <p>mod calcic alt'n</p> <p>3% ca vnlt/stringers +/- chl, hem, py</p> <p>@70.70 - 72.20m - local mod py min'z assoc., w/ chl/tm stringers (i.e. 70.90m) and ca+chl vnlt +/- hem staining (i.e 72.60m)</p> <p>@74.60 - 75.10m - coarse angular to subrounded frags</p> <p>3% py - diss, vfgr and as described above</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-105

Nad 83, UTM Zone 16

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Northing (m)	5377545.91	Azimuth(m)	70.00
E.O.H. (m)	224.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 4, 2021

TM-21-105	76.50	87.90	HYP	<p>similar to 39.65 - 66.75m as intercalated/mixed, mottled, heterogeneous distinctive pale green ser alt'n locally mod developed up to 1 m - esp in upper half of unit calcic alt'n variable but mostly mod thru out 10% ca+/-fl+/-chl/tm+/-py vnlt/stringers @81.10-81.50m - ca+chl/tm+/-py vnlt @81.50-82.10m - pervasive dk grey calcic infill w/ bx'd ser alt'd angular frags + local hem staining @83.10-83.40m/84.0-84.30m/85.50-86.30m - ca+fl vnlt x-cut by barren ca vnlt +/- hem staining and patchy py @86.50m - 15cm wide 'crackle' bx - dull pink w/ 10% diss py 3% py - diss, vfgr but mostly as described above</p>
TM-21-105	87.90	101.60	VOL	<p>same/similar to 66.75-76.50m mod calcic alt'n thru out 3% ca vnlt/stringers @94.40-94.90m - local diffuse mixing w/ mdgr phytic hyp(?) @99.10m - irregular ca vnlt w/ patchy py <1% py - trace diss and as above</p>
TM-21-105	101.60	107.00	VOL	<p>appears to be same unit as 87.90-101.6m but ser alt'n locally mod to w.d calcic alt'n wk to mostly absent 2% ca vnlt/stringers - mostly as one low angle vnlt low angle chl/tm +/- py stringers locally thru out (i.e. 103.40m) @102.3m - py w/ ca+fl infill 3% py - mostly as described above</p>
TM-21-105	107.00	108.70	TRC	<p>dull lite brown, fgr trachyte texture locally wk calcic alt'n thru out 7% ca+/-qtz+/-fl vnlt/stringers @107.30m - low angle qtz+ca+fl w/ semi-massive py 5% py - diss and as described above</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-105

Nad 83, UTM Zone 16

Easting (m)	300633.58	Elevation (m)	446.41
Northing (m)	5377545.91	Azimuth(m)	70.00
E.O.H. (m)	224.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 4, 2021

TM-21-105	108.70	113.55	VOL	similar to above UDF units upper 1.5m w/ mod ser alt'n but mostly absent below phyric in lower 50cm calcic alt'n mostly mod thru out 2% ca vnlt/stringers 2% py - diss, vfgr sharp lower contact
TM-21-105	113.55	116.00	TRC	similar to above tracyte but more fgr wk calcic alt'n 3% ca vnlt - mostly as lower vnt @115.75m - highly irregular ca+fl+chl/tm+py infill over 15cm 2% py - mostly as above vnt sharp lower contact
TM-21-105	116.00	118.25	HYP	similar to above hyp units further mottled due to ser alt'n and hem staining calcic alt'n mostly absent 7% ca+/-qtz+/-fl+/-py vnlt/stringers @116.25m - 3% blebby py @117.50-117.70m - irregular but w.d qtz+ca+fl infill w/ minor blebby py - quasi bx texture @118.00m - ca+fl+py vnt 2% py - as described above lower contact is gradational from disappearance of mdgr phyric texture
TM-21-105	118.25	122.60	VOL	phyric texture mostly absent local diffuse hem staining mod calcic alt'n thru out 2% ca vnlt/stringers @118.70m - blebby py assoc., w/ ca infill <1% py - mostly sulphide poor



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-105

Nad 83, UTM Zone 16

Easting (m)	300633.58	Elevation (m)	446.41
Northing (m)	5377545.91	Azimuth(m)	70.00
E.O.H. (m)	224.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 4, 2021

TM-21-105	122.60	129.50	HYP		<p>mostly mdgr phyric w/ local non-phyric intercepts mostly lite greyish green from ser alt'n calcic alt'n highly variable 4% ca and/or qtz vnlt/stringers @122.70-123.40m - patchy hem staining @126.5m - 20cm of w.d py assoc., w/ qtz+ca+chl/tm infill lower 50cm is highly mottled 3% py - mostly as described above sharp lower contact</p>
TM-21-105	129.50	134.55	TRC		<p>msv, fgr, dk grey to brownish grey @131.30-133.40m - plag phyric texture mod calcic alt'n <1% ca vnlt/stringers trace py lower contact mixed vol'c</p>
TM-21-105	134.55	138.00	VOL		<p>similar to above UDF's - locally mdgr phyric <10% of unit mod calcic alt'n 1% ca vnlt/stringers @136.40m - 10cm width of irregular chl/tm stringer network w/ 7% py except for above 10cm the unit is mostly sulphide poor</p>
TM-21-105	138.00	139.35	TRC		<p>same as above lower contact sharp</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-105

Nad 83, UTM Zone 16

Easting (m)	300633.58	Elevation (m)	446.41
Northing (m)	5377545.91	Azimuth(m)	70.00
E.O.H. (m)	224.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 4, 2021

TM-21-105	139.35	188.80	VOL	<p>msv, dk grey - greenish grey local mod ser alt'n mostly in upper 10m locally trachytic - esp @ 156.9-165.30m highly variable calcic alt'n @147.20-147.70m - low angle ca+fl vein w/ bx'd w.r frags and py in lower selvage @149.00-149.50m - 5% blebby py mostly assoc., w/ chl/tm infill @154.00-154.25m - blebby py within semi-pervasive ser alt'n @159.60m - chl/tm infill @164.00-164.30m - vuggy ca vein with euhedral/cubic py in vug @170.60-178.70m - local w.d py assoc., w/ chl/tm+/-ca infill/stringers giving rise to local 5cm widths of bx'n @182.40-184.80m - slight relative inc., in py but very localized @183.60-184.10m - local ca+fl vnlt @185.60-186.20m - low angle ca vein w/ bx'd w.r and rare cpy in upper stringers @186.90m - 3mm py vnlt @187.00-188.80m - local diffuse hem staining <5% py - diss, vfgr and as described above lower contact mixed w/ trachyte</p>
TM-21-105	188.80	192.25	TRC	<p>msv, fgr/mdgr, reddish brown texture more porphyritic than trachytic wk calcic alt'n 3% py - diss plus local py stringers +/- ca lower contact mixed</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-105

Nad 83, UTM Zone 16

Easting (m)	300633.58	Elevation (m)	446.41
Northing (m)	5377545.91	Azimuth(m)	70.00
E.O.H. (m)	224.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 4, 2021

TM-21-105	192.25	220.80	VOL	<p>mottled esp., in upper 7m from mod patchy, diffuse to w.d hem staining/alt'n mafic phyric calcic alt'n is highly variable from mod to mostly wk/absent - calcite is mostly absent where hem alt'n is also absent - so hem+ca alt'n assemblage 3% ca vnls/stringers hem w.r alt'n of local ca+/-chl/tm+/-py vnls/stringers 3% py - diss and as described above @212.50-214.00m - trachyte lower contact sharp</p>
TM-21-105	220.80	224.00	TRC	<p>trachytic texture locally well preserved @220.80m - 3cm qtz vnlt w/ w.d py @222.50m - py+chl/tm stringer @222.65-223.00m - vol'c intercept 2% ca and/or qtz vnls/stringers 3% py - diss and as described above</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-106

Nad 83, UTM Zone 16

Easting (m)	300669.95	Elevation (m)	456.3
Northing (m)	5377514.6	Azimuth(m)	70.00
E.O.H. (m)	230	dip (m)	-70.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 7, 2021

TM-21-106	0.00	5.40	OVB	no return
TM-21-106	5.40	16.50	VOL	two sub-types; mosttled dk grey, fgr AND med lite grey, fgr/mdgr heterogeneous texture thru out - overall appears to be highly mixed - bimodal? local coarse dull pink intrusive clasts (injection?) mod calcic alt'n 3% ca vnlt/stringers @6.90m - py vnlt @16.20-16.50m - roughly banded chl/tm infill w/ quasi bx texture w/ 15% py - somewhat similar @ 8.20m 3% py - diss and as described above sharp lower contact
TM-21-106	16.50	20.30	DYK	fgr, msv, dk grey - homogeneous texture thru out chill margins at both contacts locally amygdaloidal (?) w/ ca+py infill mod calcic alt'n 3% ca vnlt/stringers @17.80m - 2cm ca+chl/tm+py vnlt <1% py - diss mostly absent and as described above
TM-21-106	20.30	48.75	VOL	similar to 5.4 - 16.50m 20% as coarse intrusive clasts w/ sharp to gradational contacts - however @ 41.0-41.3m it appears to be a dyke so while locally they appear to be clasts (i.e. 35.60m) but most are gradational and may be possible highly random intrusive/hypabyssal dyke swarm of trachyte and lite greenish grey med gr monzonite(?) w/ highly irregular, gradational contacts (i.e 47.75-48.50m) injected while vol'c was hot/warm - overall a very difficult unit to ID/interpret (i.e 35.00-35.75m) mod calcic alt'n mostly thru out but locally wk/absent 2% ca vnlt/stringers <1% py - mostly as local mm scale patchy blebs (i.e. 46.25m) and stringers (36.95m) - trace diss py - overall a fairly sulphide poor unit



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-106

Nad 83, UTM Zone 16

Easting (m)	300669.95	Elevation (m)	456.3
Northing (m)	5377514.6	Azimuth(m)	70.00
E.O.H. (m)	230	dip (m)	-70.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 7, 2021

TM-21-106	48.75	54.10	VOL	probably more of a sub-unit within broad vol'c package differentiated due to local semi-pervasive vfgr dull pinkish brown hem alt'n and locally developed wk ser alt'n mod/variable calcic alt'n 2% ca vnlt/stringers <1% py - trace diss py and one wkly developed band of py @ 50.65m
TM-21-106	54.10	71.60	VOL	somewhat similar to above UDF's except intrusive clasts/dykes are mostly absent @61.00-61.25m - highly random 'injection' pale lite grey/very pale pinkish intrusive @61.00-61.15m - local blebby py @61.40m - ca+qtz+chl/tm+py vnlt @68.25m - 15cm wide bx w/ ser+chl+ca matrix w/ wk hem at lower end @69.80m - chl+py stringers 3% py - mostly as described above
TM-21-106	71.60	93.80	VOL	similar/same as 20.30-48.75m w/ ~ 15% as two types of intrusive clasts/injection mafic phyric thru out calcic alt'n wk to absent 2% ca vnlt/stringers @79.70m - pink phyric clast(?) appears to be partially overprinted by ser alt'n @80.40m - hem w.r alt'n of ca+py vnlt @84.80m - 10cm wide banded epi+ca+hem+py @88.50-93.80m - significant inc., in hem alt'n locally w/ coincident inc., in py blebs/stringers 2% py - locally diss and as described above
TM-21-106	93.80	98.25	TRC	msv, distinctive reddish brown ~15% as fgr plag crysts locally wkly aligned wkly calcic mostly as alt'n of plag <1% ca stringers 2% py - diss, vfgr both contacts sharp w/ lower contact irregularly mixed w/ vol'c



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-106

Nad 83, UTM Zone 16

Easting (m)	300669.95	Elevation (m)	456.3
Northing (m)	5377514.6	Azimuth(m)	70.00
E.O.H. (m)	230	dip (m)	-70.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 7, 2021

TM-21-106	98.25	119.00	VOL	<p>mostly similar to 54.10-71.60m - note texture at 114.10-114.50m & 117.00-117.70m - clasts or injection @110.30-113.00m - hem staining/alt'n mod to w.d and enhances phyric texture</p> <p>@103.70m - py assoc., w/ chl/tm infill/stringers</p> <p>@105.20m - py assoc., w/ ca+chl/tm vnlt</p> <p>@113.20m - patchy py w/ chl/tm infill</p> <p>@117.50-118.30m - local w.d blebs of py assoc., w/ ca+chl/tm within highly mixed vol'c/intrusive intercept</p> <p>3% py - as described above</p>
TM-21-106	119.00	133.20	HYP	<p>difficult unit to ID/interpret</p> <p>basically - fgr/vfgr dull med greenish matrix w/ 25-30% mdgr, sub/anedral mafic grains thru out - gives the unit a distinctive spotted texture and is similar to pale grey intrusive noted locally in 71.60-93.80m - also similar to 'porphyritic trachyte' noted by petrology from bottom of TM-21-97 but mafic crystals are slightly bigger</p> <p>local/wk mod hem staining</p> <p>calcic alt'n variable thru out</p> <p>@129.50-129.90m - highly mixed/complex texture</p> <p>@131.5m - wk epi+ser alt'n</p> <p><1% ca vnlt/stringers</p> <p><5% py - diss and almost always assoc., w/ mafic crystals AND local patchy blebs w/ no clear assoc., + irregular stringers w/ chl w.r alt'n</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-106

Nad 83, UTM Zone 16

Easting (m)	300669.95	Elevation (m)	456.3
Northing (m)	5377514.6	Azimuth(m)	70.00
E.O.H. (m)	230	dip (m)	-70.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 7, 2021

TM-21-106	133.20	174.10	VOL	<p>this broad unit is bookended by two trachytic units @133.20-134.40m and 171.50-174.10m between these two units are highly intercalated vol>trachyte;</p> <p>vol'c varies from vfgr, msv, dk grey and locally mafic phyrlic intercepts</p> <p>trachyte is characteristic reddish brown w/ highly irregular but commonly sharp contacts which obviously strongly suggests injection although locally looks like clast (i.e. 142.65m) - tracyitic texture locally preserved</p> <p><i>interp is highly irregular network of trachyte dykes/dykelets into broad package of vol'c phyrlic flows</i></p> <p>wk/mod calcic alt'n mostly confined to trachytic intercepts</p> <p>local ca veins (>5cm) +/- vuggy texture but overall only 1% ca vnlt/stringers</p> <p>@134.60-145.00m - >3% py as patchy blebs, stringers and rare vnlt (142.55m) almost always within trachytic intercepts usually assoc., w/ chl/tm infill</p> <p>@145.00-152.50m - <1% py as above but mostly within vol'c and locally w/ qtz vnlt w/ py+ca as selvage (i.e. 147.70m)</p> <p>@152.50-174.10m - py mostly assoc., w/ chl/tm infill and mostly within vol'c</p> <p>5% py - as described above and ~2% diss</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-106

Nad 83, UTM Zone 16

Easting (m)	300669.95	Elevation (m)	456.3
Northing (m)	5377514.6	Azimuth(m)	70.00
E.O.H. (m)	230	dip (m)	-70.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 7, 2021

TM-21-106	174.10	230.00	VOL	<p>variable from mostly fgr/vfgr dk grey to lite greenish grey from local ser alt'n - where ser alt'd is med gr phyric (i.e 178.40-179.00m) and appears to be separate unit similar to HYP/POR unit @ 119.00-132.20m</p> <p>3% ca+/-qtz+/-fl veins/vnlts/stringers</p> <p>@178.60m - w.d chl/tm vnlt w/ subhedral py</p> <p>@183.40-184.30m - distinctive pale green ser alt'n is w.d</p> <p>@186.90-189.00m - wk diffuse hem staining</p> <p>@191.90-192.60m - quasi banded appearance from // qtz+ser(?) vnlt at high angle</p> <p>@195.25m - low angle chl/tm vnlt w/ py</p> <p>@193.00-204.40m - mottled rounded texture from auto bx'n (?)</p> <p>@211.35-212.20m - wk red/brown hem alt'd trachyte w/ gradational</p> <p>@218.75m - low angle py+ca vnlt</p> <p>@219.80-221.75m - ca+qtz vein zone w/ w.d bx'n of w.r and local coarse euhedral py infill (219.95m) - also @ 224.80m & 226.50m w/ wkly developed hem staining</p> <p>@228.10-229.20m - trachyte w/ w.d hem alt'n</p> <p>3% py - diss and as described above</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-107

Nad 83, UTM Zone 16

Easting (m)	300767.00	Elevation (m)	452.13
Northing (m)	5377477.00	Azimuth(m)	70.00
E.O.H. (m)	204.20	dip (m)	-55.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 11, 2021

TM-21-107	0.00	5.80	OVB		no return
TM-21-107	5.80	26.75	VOL		<p>msv, vfgr/fggr/mdgr, mostly med greenish grey - somewhat mottled appearance most distinctive feature is diss to patchy infill/clusters/stringers of black chl/tm thru out - note @ 12.25m is a ca stringer w/ w.d 'spotty' clusters of chl/tm as w.r alt'n + wk hem staining; in previous holes where noted as 'phyric' may be possible alt'n instead as h'T 'porphyroblasts' (??) mod pervasive calcic alt'n 3% ca vnlt/stringers @7.900-11.50m - local hem staining @20.00-26.75m - wk/mod patchy ser alt'n 3% py - locally diss clusters (i.e. 8.40m) and commonly asso., w/ clusters/patchy infill of chl/tm (i.e. 20.90m)</p>
TM-21-107	26.75	30.40	FTZ		<p>fault zone? blocky w/ thin gouge on fx's upper 25cm is mdgr - looks intrusive but doubtful due to mdgr anhedral chl/tm assoc., w/ ca infill +/- wk py @29.00m - local w.d ser alt'n assoc., w/ qtz+ca+chl vnlt 15% ca+qtz+/-chl vnlt/stringers mod calcic alt'n of w.r except where ser alt'd and calcite alt'n is absent <1% py - diss in veining</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-107

Nad 83, UTM Zone 16

Easting (m)	300767.00	Elevation (m)	452.13
Northing (m)	5377477.00	Azimuth(m)	70.00
E.O.H. (m)	204.20	dip (m)	-55.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 11, 2021

TM-21-107	30.40	134.70	VOL	<p>possibly same protolith as 5.80-26.75m but tenor of chl/tm alt'n is only locally developed and mostly absent</p> <p>local narrow trachyte dykes</p> <p>majority of unit is wkly/mod magnetic</p> <p>calcic alt'n - variable thru out</p> <p>3% ca and/or qtz vnlt/stringers</p> <p>@42.90m - chl/tm+py infill</p> <p>@49.20-49.60m - chl/tm+py stringers within wkly developed ser (?) alt'n</p> <p>@56.00-57.00m - local fl vnlt</p> <p>@59.60-60.50m - mottled dull brown, vfgr injection/alt'n - at lower end it appears as possible clasts but texture at top of intercept proves they aren't</p> <p>@69.80-72.50m - low angle ca (upper half) and qtz (lower half) vnlt +/- chl/tm within strong ser w.r alt'n w/ w.d py assoc., w/ qtz vnlt</p> <p>@76.90-96.60m - patchy diffuse to locally w.d (i.e. 77.05-77.75m) hem staining most likely related to local trachyte dykes</p> <p>@80.10-80.50m - irregular hem alt'n w/ patchy py</p> <p>@80.75-81.50m & 90.00-91.00m highly mottled texture and irregular contacts</p> <p>@98.70m - 20cm py w/ ca+chl/tm irregular vnlt</p> <p>@105.40m - 10cm ca+chl/tm vein w/ bx'd w.r</p> <p>@113.40-117.80m - local mdgr clasts or injection?</p> <p>@123.40-127.75m - local low angle ca+/-fl+/-chl/tm vnlt w/ w.d distinctive green ser alt'n - chl/tm stringers x-cut ca vnlt and ser alt'n (i.e. 125.85-126.50m)</p> <p>@128.00-128.40m and 132.60-133.00m - chl/tm+py stringers</p> <p>2% py - diss to patchy but highly localized and as described above</p> <p>lower contact sharp</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-107

Nad 83, UTM Zone 16

Easting (m)	300767.00	Elevation (m)	452.13
Northing (m)	5377477.00	Azimuth(m)	70.00
E.O.H. (m)	204.20	dip (m)	-55.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 11, 2021

TM-21-107	134.70	204.20	VOL	<p>highly intercalated between dull grey vfgr vol'c w/ 30% mdgr anhedral mafic crystals AND wkly reddish brown trachyte dykes ~1m wide w/ plag crystals locally aligned (i.e. 169.40m) re: if mdgr anhedral mafic grains - which gives the unit a distinctive spotty texture - are primary then would be an andesitic porphyritic flow differentiated from above due to inc of trachyte from <5% to >30% wk/mod magnetic thru out most of the unit calcic alt'n variable from mod to wk to absent 4% ca +/- qtz vnlt/stringers @144.25-145.15m - irregular ca+qtz+chl/tm+py vnlt & infill @148.60-151.70m - local ca+/-fl vnlt and local chl/tm stringers w/ up to 5% py @158.00-162.40m - 15-20% as ca+qtz vnlt w/ bx'd w.r, qtz is non-vitreous dull whitish grey - mostly barren of py @170.65m - 10cm width of ca+qtz infill w/ patchy py @176.80m - 10cm width of chl/tm + py stringers @177.50m - 1cm wide py vnlt @178.00-178.25m & 181.80-182.50m - possible auto bx'n @186.90-187.30m - locally developed irregular py stringers @192.40-192.80m - local py as patchy & stringers assoc., w/ qtz+ca vnlt & infill within trachyte @195.30-197.40m - local chl/tm+py stringers/infill ca vnlt & hem w.r alt'n 3% py - diss locally and as described above</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-108

Nad 83, UTM Zone 16

Easting (m)	300767.00	Elevation (m)	452.13
Northing (m)	5377477.00	Azimuth(m)	70.00
E.O.H. (m)	204.20	dip (m)	-55.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 16, 2021

TM-21-108	0.00	3.65	OVB		no return
TM-21-108	3.65	35.15	FRG		highly mottled texture due to dk grey/med grey, highly random, very poorly sorted, angular to sub-rounded coarse, fgr, black/dk grey vol'c frags - in places clast supported but mostly matrix supported NOT CONGLOMERATE texture suggests either fluids exploited porosity/permeability of pre min'z fragmental OR it's a h'T bx - note texture of py min'z @ 5.10-5.30m due to where hole was collared this unit is from A Zone min'z showing ser alt'n locally where med/lite grey calcic alt'n absent 3% qtz vnlts/stringers - one ca vnl @23.80m @16.25-18.30m - mod, semi-pervasive hem staining w/ locally w.d blebs of py @31.60-35.15m - wk, diffuse hem staining 7% py - 7-10% w.d py mostly as matrix infill around frags to 15.00m and 3-5% more localized py mostly as 10-20cm widths of of diss blebs to 35.15m
TM-21-108	35.15	36.30	POR		25% as 1-2mm anhedral plag crystals within vfgr, dull lite greyish brown matrix homogeneous texture thru out calcic alt'n absent <1% py - diss vfgr
TM-21-108	36.30	41.10	FRG		similar to 3.65-35.15m but frag % dec dh and become more diffuse within matrix calcic alt'n absent 2% qtz vnlts <5% py - diss vfgr but mostly as locally developed clusters of irregular blebs lower contact gradational and noted from absence of frags



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-108

Nad 83, UTM Zone 16

Easting (m)	300767.00	Elevation (m)	452.13
Northing (m)	5377477.00	Azimuth(m)	70.00
E.O.H. (m)	204.20	dip (m)	-55.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 16, 2021

TM-21-108	41.10	99.50	VOL	<p>broad unit is heterogeneous w/ variable textures ranging from lite to dk grey vfgr to fgr/mdgr - all textural changes are gradational</p> <p>frags mostly absent but occur locally over 20-30cm</p> <p>locally phyric varying between plag and chl alt'd mafics</p> <p>calcic alt'n mostly absent but wkly local (i.e. 89.00-92.50m)</p> <p>2% qtz vnlt/stringers</p> <p>@50.50m - qtz infill over 10cm w/ wk py</p> <p>@51.50m - qtz (chert) + chl + ser + w/ high angle py stringers</p> <p>@53.00-60.70m - locally developed py min'z as highly irregular patchy blebs/diss</p> <p>@54.60m - 20cm width of diffuse coarse frags</p> <p>@66.60-68.00m - distinctive spotted texture ranging from anhedral mdgr chl alt'd mafic grains in vfgr msv matrix to wkly plag phyric</p> <p>@70.15m - 20cm width of qtz infill w/ w.d chl/tm (most likely tourmaline) and irregular py infill</p> <p>@77.50m - 15cm width of ser alt'n w/mdgr patchy chl/tm and qtz+py stringers</p> <p>@79.25m - one coarse rounded vol'c frag w/ w.d diss py</p> <p>@80.40-80.85m - irregular texture w/ alt'd black clots in background of qtz+fl(?) infill</p> <p>@87.50-93.00m - 4 local trachyte 10-25cm dykes</p> <p>>3% py - diss vfgr and as described above - overall dec dh</p>
TM-21-108	99.50	115.15	VOL	<p>mottled between greenish grey vol'c ranging between msv fgr and locally mdgr phyric AND 40% as mod to w.d hem staining of vol'c assoc., w/ local trachyte</p> <p>@107.30m - could be ID'd as clasts but as recent logging of West Bench holes strongly suggests the interp is highly random trachyte dykes/dykelets</p> <p>local calcic alt'n</p> <p>3% ca vnlt/stringers</p> <p>Note: compared to above units significant difference is presence of local calcic alt'n and absence of qtz vnlt/stringers</p> <p>@110.35m - 25cm width of unique texture of rounded diffuse coarse greenish ser+chl alt'd nodules</p> <p>@108.00-112.35m - 15% as local low angle ca veins/vnlt +/- hem</p> <p><1% py diss vfgr trace to absent</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-108

Nad 83, UTM Zone 16

Easting (m)	300767.00	Elevation (m)	452.13
Northing (m)	5377477.00	Azimuth(m)	70.00
E.O.H. (m)	204.20	dip (m)	-55.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 16, 2021

TM-21-108	115.15	134.50	HYP	<p>highly mixed between mdgr, dull pink hypabyssal (not trachyte) AND fgr dull/dk grey msv vol - contacts vary from sharp to gradational</p> <p>heterogeneous texture thru out</p> <p>locally diffuse porphyritic texture (i.e. 128.85m)</p> <p>calcic alt'n highly variable in both rock types</p> <p>@128.00-133.00m - ~15% of intercept as local, highly irregular qtz+/-ca vnlt but esp., as infill w/ 3% py</p> <p>@128.20-128.45m - qtz+py vnlt x-cut by barren qtz vnl</p> <p>2% py - diss vfgr and as described above</p> <p>lower contact sharp</p>
TM-21-108	134.50	159.00	ATZ	<p>highly complex texture but appears to be mdgr mafic phyr unit - but are they crysts or function of alt'n quasi bx'n w/ chl/tm +/- py as matrix and occurs locally thru out (i.e 135.60 & 140.10)</p> <p>unit is consistent in its heterogeneous texture</p> <p>ser alt'n variable but best developed in upper 8m and lower 7m</p> <p>calcic alt'n absent</p> <p>3% qtz vnlt/stringers/infill</p> <p>@132.15m - clast or remnant vfgr dk grey msv vol'c</p> <p><5% py - occurs locally thru out as patchy blebs assoc., w/ secondary qtz +/- chl/tm and locally diss, vfgr</p> <p>lower contact sharp</p>
TM-21-108	159.00	162.35	DYK	<p>pale green, msv, fgr/mdgr, homogeneous intrusive/hypabyssal texture thru out</p> <p>calcic alt'n absent</p> <p>green from ser alt'n (?)</p> <p>1% qtz stringers</p> <p>trace diss py</p>
TM-21-108	162.35	164.75	ATZ	<p>same as 134.50-159.00 but qtz veining/infill is absent</p> <p>py best developed assoc., w/ chl/tm matrix infill of funky bx texture (i.e. 163.50m)</p> <p>lower contact sharp</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-108

Nad 83, UTM Zone 16

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Northing (m)	5377477.00	Azimuth(m)	70.00
E.O.H. (m)	204.20	dip (m)	-55.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 16, 2021

TM-21-108	164.75	170.90	VOL	msv, pale greenish grey, vfgr/mdgr chl alt'd anhedral mafic phyric and inc., in % and grain sized dh calcic alt'n mostly absent rare local Qtz+Ca+/-fl vnlt; <1% overall trace py - rare grains in hairline fx lower contact sharp
TM-21-108	170.90	181.00	VOL	mostly unalt'd, dk grey, fgr/vfgr, msv colour and texture suggests mafic vol'c appears to be x-cut by diffuse mdgr, pale med grey, irregular phyric hyp in lower 4m mod calcic alt'n thru out 5% highly random Ca vnlt/stringers @ 173.60-175.00m - wk diffuse hem staining <2% py - diss vfgr & rare mm scale patchy
TM-21-108	181.00	244.50	SYN	intercalated between mdgr, wkly/mod hem alt'd phyric (?) syenite (trachyte?) & dk grey vol'c - NOTE: diss mdgr phyric texture suggests a porphyritic hypabyssal syenite but highly anhedral nature of crystals makes this somewhat problematic - contacts vary from sharp to gradational @215.60-244.50m - vol'c > syn calcic alt'n variable from mod to confined to hairline fx's mod/w.d 'diss' Ca alt'n locally in lower half as alt'd plag(?) - wk green colour from Ca+epi(?) 2% Qtz+Ca vnlt/stringer locally mafic crystals rimmed w/ epi alt'n (i.e. 206.60m) @207.15m - Ca stringers w/ dull grey w.r alt'n destroys/overprints reddish brown hem alt'n trace diss py



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-108

Nad 83, UTM Zone 16

Easting (m)	300767.00	Elevation (m)	452.13
Northing (m)	5377477.00	Azimuth(m)	70.00
E.O.H. (m)	204.20	dip (m)	-55.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 16, 2021

TM-21-108	244.50	277.10	ATZ	<p>somewhat similar to above ATZ units - overall extremely mottled/intercalated/complex dogs breakfast below is rough attempt at paragenesis</p> <ol style="list-style-type: none"> 1) fgr/vfgr, dk grey msv non-phyric vol'c (andesitic?) - very little remaining 2) mafic phyric, med grey, speckled hypabyssal (not trachyte) - majority of unit 3) lite greyish green local ser alt'n (i.e. 257.50m) - note w.r ser alt'n of hairline qtz stringers 4) very localized bx'n (i.e. 259.00m) 5) x-cutting py stringers (i.e. 259.00m) 6) barren qtz and/or ca vnlt/stringers <p>@ 264.60-267.60m - w.d ser alt'n and mod developed locally thru out calcic alt'n highly variable from mod in upper 5m to confined to hairline fx's in remainder of unit 5% qtz and/or ca vnlt/stringers @ 269.00m - over 30cm, note complexity of chl/tm + py stringers/infill 2% py - vfgr diss esp., w/ chl/tm and as random stringers +/- ca +/- qtz (i.e. 248.80m)</p>
TM-21-108	277.10	296.85	HYP	<p>dk grey, fgr, msv vol'c mixed w/ bleached phyric hypabyssal unit of unknown protolith - bleached colour/texture very distinctive and occurs mostly in lower half - possible ser + clay(??)</p> <p>@ 292.90-293.40m - diorite dyke w/ local vol'c xenoliths and irregular 'injection' texture at upper contact @ 293.20-293.50m - bx'n of vol'c by bleached sub-vol'c @ 294.90m - example of irregular injection texture @ 286.60m - complex x-cutting relationships calcic alt'n is mostly absent - locally confined to hairline fx's 2% py - locally diss vfgr; stringers/blebs and w/ qtz+chl/tm vnlt (i.e. 287.00-288.00m) lower contact sharp</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-108

Nad 83, UTM Zone 16

Easting (m)	300767.00	Elevation (m)	452.13
Northing (m)	5377477.00	Azimuth(m)	70.00
E.O.H. (m)	204.20	dip (m)	-55.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 16, 2021

TM-21-108	296.85	301.35	VOL	<p>vol'c > trachyte @297.30m - irregular injection texture @298.75m - 15cm microsyenite dyke w/ sharp contacts calcic alt'n variable 2% ca vnlt/stringers <1% py - diss vfgr lower contact sharp</p>
TM-21-108	301.35	305.15	HYP	<p>compositional trachyte (??) med grey to red/brownish grey, w.d mdgr intrusive texture - homogeneous texture except where noted below @302.80-303.30m - mixed phyric vol'c & intrusive w/ diffuse hem staining @303.30-303.85m - aphanitic dull green banding - flow banding (?) - possible siltstone but very doubtful calcic alt'n variable - best developed below 303.30 <1% ca stringers trace diss py</p>
TM-21-108	305.15	332.15	VOL	<p>mostly dk grey msv vol'c w/ local hyp thru out - very mottled heterogeneous texture local evidence for 'clasts' but even more evidence for random, highly irregular injection - see 312.50-314.00m for both textures - where hyp appears as clasts may be due to bx'n as more viscous syenitic magma intruded into warm/hot vol'c flow and then auto bx'd (???) @327.80m - try to tell me it's a clast @322.55-323.10m - trachyte sub-unit highly variable calcic alt'n 2% ca vnlt/stringers 2% py - locally diss and rare stringers assoc., w/ ca vnlt (i.e. 308.10m)</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-108

Nad 83, UTM Zone 16

Easting (m)	300767.00	Elevation (m)	452.13
Northing (m)	5377477.00	Azimuth(m)	70.00
E.O.H. (m)	204.20	dip (m)	-55.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 16, 2021

TM-21-108	332.15	342.50	VOL	vaguely similar to 305.15-332.15m but clast/injection texture is mostly absent but occurs @ 338.10m w/ irregular injection texture hyp w/ pale greyish green vfgr matrix & mdgr mafics calcic alt'n mod but locally wk/absent 3% ca vnlt/stringers @335.10m & 336.70m - ca+chl veins +/- py in selvage 1% py - diss vfgr, local but rare clusters and as deccribed above
TM-21-108	342.50	383.20	VOL	same as 305.15-332.15m note complexity @348.00-350.10m - extremely doubtful they're clasts as boundaries are too irregular calcic alt'n highly variable @344.35m - blebby py w.d assoc., w/ chl/tm @351.20-352.05m - possible mafic dyke w/ sharp upper contact @353.00-353.45m - diffuse hem staining @356.75-357.60m - banded (bedded?) possible lithic vol'c at 45 deg - lower contact sharp @357.60-375.70m - highly mottled from very irregular hyp injection - not clasts! @368.75m - py w/ 2 chl/tm stringers @369.25m - py w/ qtz stringers @373.50-374.00m - py w.d w/ chl/tm alt'n rims of diffuse patchy hyp @375.25-379.00m - intrusive (monzonite?) sub-unit w/ diffuse hem staining @379.00-383.20m - mottled texture mostly absent - possible compositional trachyte sans hem alt'n but w/ py locally assoc., w/ 1cm nodules 1% py - locally diss and as above
TM-21-108	383.20	389.00	SYN	typical hem staining pervasive for upper 3m but then more diffuse/localized to EOH mod calcic alt'n of matrix and locally developed nodules of ca+ser+py+-chl/tm thru out most of unit 2% ca vnlt/stringers @387.00m - 15cm width of chl/tm+py infill 2% py - local trace diss and as described above



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-109

Nad 83, UTM Zone 16

Easting (m)	300554		Elevation (m)	459.9
Northing (m)	5377430.00		Azimuth(m)	172
E.O.H. (m)	185		dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 22, 2021

TM-21-109	0.00	2.15	OVB	no return
TM-21-109	2.15	6.50	DYK	fgr, msv, pale greenish grey to locally reddish brown from wk hem staining - mostly homogeneous texture thru out andesitic dyke (?) calcic alt'n/veining absent 1% py - diss vfrgr 'white py'
TM-21-109	6.50	45.00	VOL	mottled from localized to semi-pervasive pale greenish grey ser alt'n within dk grey msv chl alt'd vol'c locally developed patchy irregular black chl/tm locally phyrlic (?) but localized and irregular wk diffuse hem staining overall 5% ca veining - locally up to 10% @ 19.80-25.75m & 39.40-42.00m and 1% qtz vnlt locally @11.50-18.50m @16.50m - coarse rounded 'clasts' over 30cm - agglomerate or bx'n ?? @18.20m - random qtz infill (not vnlt) w/ bx'd w.r over 40cm @25.35-26.30m - local random chl/tm stringers w/ py @34.70m - w.d blebby py assoc., w/ qtz infill @39.00 & 40.00m - w.d w.r bx'n within ca+qtz vnt @40.60m - blebby py in mottled ser+chl alt'n 2% py - locally diss and as described above



Thunder Gold Corp.

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Northing (m)	5377430.00	Azimuth(m)	172
E.O.H. (m)	185	dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 22, 2021

TM-21-109	45.00	77.50	VOL	<p>possibly same protolith as directly above but tenor of ser alt'n mostly absent local hypabyssal injection - does not occur in above unit calcic alt'n absent local inc in diffuse hem staining 10% ca and/or qtz veining/vnlts/stringers @58.80m - 40cm of qtz veining w/ chl/tm at lower end of intercept @59.80m - w.d coarse patchy py surrounds ca infill @63.30m - patchy py w/ irregular chl/tm @67.00-71.50m - >30% as low angle to irregular ca +/- qtz veining commonly w/ angular coarse w.r bx'n mostly py barren except @67.10m w/ 1cm w.d py selvages of ca vein & @67.75m - 1cm py vnlts @74.50-75.40m - dull pinkish grey (not hem) discontinuous bands - bx'd?? @76.40-77.00m - hem staining x-cut by irregular discontinuous chl/tm stringers 3% py - diss vfgr & as described above</p>
TM-21-109	77.50	117.40	VOL	<p>similar to above ATZ w/ local to semi-pervasive ser alt'n but not as developed calcic alt'n absent 5% ca and/or qtz vnlts/stringers - highly random/irregular/discontinuous esp., @ 83.00-87.00m @85.00m - qtz+ca infill w/ chl/tm and minor py @86.00m - 15cm qtz vein w/ w.d w.r bx'n @89.35-103.75m - local irregular chl/tm infill +/- py below 106.00m - dec in ser & chl/tm alt'n and qtz vnlts > ca vnlts @110.80-111.60m - local reddish blebs/infill possibly K @112.20m - qtz vnlts w/ aphanitic pale dun coloured alt'n @113.10-144.10m - qtz stringers w/ dun coloured alt'n - esp @ 114.00m @115.00-115.35m - complex irregular to nodular alt'n @116.00-116.80m - irregular qtz infill & low angle discontinuous vnlts locally w/ w.d py @117.05m - 90 deg qtz vnlts w/ w.d chl (not tm) @117.05-117.40m - inc in vfgr diss py assoc., w/ aphanitic dun coloured alt'n 2% py - diss vfgr locally and as described above</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-109

Nad 83, UTM Zone 16

Easting (m)	300554		Elevation (m)	459.9
Northing (m)	5377430.00		Azimuth(m)	172
E.O.H. (m)	185		dip (m)	-50

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 22, 2021

TM-21-109	117.40	121.50	SYN		msv, reddish brown, fgr/mdgr - fairly homogeneous texture thru out calcic alt'n absent 1% qtz vnlt's +/- chl/tm 5% py - diss vfgr thru out lower contact sharp
TM-21-109	121.50	125.30	VOL		mottled from local irregular ser alt'n & diffuse dun/pink alt'n diss py locally w/ ser alt'n and/or low angle chl/tm + py stringers which x-cuts dun coloured alt'n highly mottled texture in lower 1.5m - note complexity @ 124.20-124.70m lower contact overprinted by aphanitic dun/pale grey alt'n
TM-21-109	125.30	128.35	TRC		fgr, mostly pale med grey to locally reddish brown - relatively homogeneous texture thru out highly localized alignment of fgr mafic crystals local mdgr mafic anhedral clots calcic alt'n absent 1% qtz vnlt's/stringers/infill 2% py - locally diss and local discontinuous stringers
TM-21-109	128.35	138.70	VOL		mottled due to 1) complex hem staining 2) wispy mod ser alt'n and 3) up to 30% highly random qtz +/- ca veining @128.35-128.70m - mod angle qtz vein w/ chl/tm alt'n/stringers; qtz varies from vitreous to non-vitreous @133.15-134.30m - possible porphyritic unit but texture is highly diffuse but exhibits 3% diss py @138.15m - 15cm wide bx 2% py - diss & discontinuous stringers mostly assoc., w/ local wispy ser alt'n and as described above
TM-21-109	138.70	152.50	VOL		similar to 45.00-77.50m - most distinctive is local highly irregular dull greenish grey, mdgr phyric hypabyssal injection into very dk grey msv vfgr vol'c (i.e 147.15m) 3% ca vnlt's/stringers +/- qtz - x-cuts all types & textures trace py
TM-21-109	152.50	153.30	POR		msv, dull reddish brown - por texture from 30% anhedral 1mm plag crystals - not typical FP mod calcic 3% py - diss vfgr assoc w/ mafics lower contact sharp



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-109

Nad 83, UTM Zone 16

Easting (m)	300554		Elevation (m)	459.9
Northing (m)	5377430.00		Azimuth(m)	172
E.O.H. (m)	185		dip (m)	-50

Drilling Company Berube Repairs

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Date: August 22, 2021

TM-21-109	153.30	163.60	VOL	similar to above vol+hyp units @158.70m - locally bx'd @162.50m - centre point of arcuate ca+chl+fl vnl't overall 5% ca vnl'ts - mostly from above vein mod calcic alt'n trace py
TM-21-109	163.60	164.15	DYK	msv, fgr, dk grey mod calcic alt'n diffuse contacts
TM-21-109	164.15	172.00	VOL	as above vol/hyp units wk calcic alt'n 3% ca vnl'ts/stringers @165.25-165.80m - coarse rounded nodules (not clasts) of ca+chl+ser alt'n @166.10m - py as hairline stringers and patchy infill @168.50m - distinctive hyp w/ sharp lower contact occurs as vfgr pale dull grey matrix w/ 15% as subhedral mafics w/ assoc py 1% py - mostly trace diss except where noted above



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-110

Nad 83, UTM Zone 16

Easting (m)	301083.52	Elevation (m)	517.91
Northing (m)	5376993.10	Azimuth(m)	70.00
E.O.H. (m)	143.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 26, 2021

TM-21-110	0.00	2.50	OVB	no return
TM-21-110	2.50	6.90	MNZ	typical mdgr felted intrusive texture - total feldspars/mafics ~ 50/50 mod calcic alt'n 2% ca vnlt/stringers & hairline fx fill local chl stringers mod/strong magnetic thru out minor hem staining py trace to mostly absent lower contact sharp
TM-21-110	6.90	9.10	MAF	dk grey, fgr, msv - homogeneous texture thru out mod/strong calcic alt'n 2% ca vnlt/stringers wkly magnetic trace diss py lower contact sharp
TM-21-110	9.10	14.40	MNZ	same as 2.50-6.90m lower contact diffuse obscured
TM-21-110	14.40	17.65	MNZ	strongly hem alt'd mnz w/ texture mostly destroyed/overprinted but remnant intrusive texture (16.30-16.60m) lower contact very sharp
TM-21-110	17.65	18.70	SYN	very distinctive pink, vfgr/aphanitic mod calcic non-magnetic 2% ca stringers trace diss py lower contact sharp



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-110

Nad 83, UTM Zone 16

Easting (m)	301083.52	Elevation (m)	517.91
Northing (m)	5376993.10	Azimuth(m)	70.00
E.O.H. (m)	143.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 26, 2021

TM-21-110	18.70	25.35	MNZ	similar to 14.40-17.65m - including remnant mnz intrusive texture wk/mod hem staining locally thru out but also locally w.d. assoc., w/ ca stringers - note: calc stringers sans hem x-cut ca+hem stringers trace py except @ 24.20m w/ wispy py+cpy stringers lower contact obscured/gradational
TM-21-110	25.35	31.40	MNZ	same as above mnz units but tenor of calcic alt'n is now only wkly developed local wk/mod hem alt'n 2% ca vnlt/stringers trace diss py & one small patch assoc., w/ local hem+ca+chl alt'n
TM-21-110	31.40	33.50	MNZ	same as above ATZ units @32.10m - 10cm ca+qtz+chl/tm vein w/ galena
TM-21-110	33.50	36.00	MNZ	as above mnz @36.95m - one cm patch of py+cpy
TM-21-110	36.00	40.60	SYN	mixed between alt'd mnz and vfgr pink m'syenite w/ local sharp contacts (i.e 38.50m) sharp lower contact suggests this may be a different intrusive
TM-21-110	40.60	53.40	MNZ	as above mnz @50.30-50.70m - intrusive texture diffuse calcic alt'n weakens dh lower contact fairly sharp
TM-21-110	53.40	59.00	SYN	similar to 36.00-40.60m including remnant unalt'd mnz highly variable hem alt'n locally plag phyric (i.e 55.00m) lower contact fairly sharp



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-110

Nad 83, UTM Zone 16

Easting (m)	301083.52	Elevation (m)	517.91
Northing (m)	5376993.10	Azimuth(m)	70.00
E.O.H. (m)	143.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 26, 2021

TM-21-110	59.00	77.50	MNZ		as above mnz local ser alt'n of fx's and wkly developed in matrix - @71.60-73.90m; possible ser alt'n of plag @76.50m - discontinuous stringers of py+cpy lower contact sharp and at low angle
TM-21-110	77.50	84.25	MAF		same/similar to 6.90-9.10m wkly calcic thru out 1% ca vnlt +/- hem @80.00-80.40m - possibly amygdaloidal lower contact sharp at 45 deg
TM-21-110	84.25	143.00	MNZ		as above mnz units upper 50cm texture is diffuse/obscured @84.25m - 1cm ca+qtz+py vnlt @90.80-91.10m - ca+chl/tm infill +/- py assoc., w/ strong hem alt'n @99.00m - patchy py+cpy over 10cm assoc., w/ local hem staining @115.65-117.65m - pervasive mod hem staining @133.30m - ca+fe carb vnlt @133.85-136.60m - local vfgr dk grey vol'c xenoliths @135.50m - blebs of py over 10cm assoc w/ strong hem staining - intrusive texture destroyed @140.00-140.35 - mafic dyke



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Tower Mountain Gold Project

TM-21-111

Nad 83, UTM Zone 16

Easting (m)	301083.52	Elevation (m)	517.91
Northing (m)	5376993.10	Azimuth(m)	70.00
E.O.H. (m)	143.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 28, 2021

TM-21-111	0.00	2.60	OVB	no return
TM-21-111	2.60	5.00	HYP	msv, dull med grey, fgr/mdgr - homogeneous texture thru out protolith unknown - possible andesitic dyke but doubtful wkly calcic thru out <1% ca vnlt/stringers 10% py - diss vfgr thru out
TM-21-111	5.00	7.65	VOL	majority of unit vfgr/aphanitic and wkly bleached (ser alt'n?) - lower 50cm not bleached and mafic phyric where bleached - 5% ca as hairline fx fill overall calcic alt'n is variable but mostly wk 5%py - diss and as local discontinuous stringers and patchy
TM-21-111	7.65	13.20	SYN	reddish brown thru out plag phyric thru out majority of unit - plag is 1-4mm, sub/anhedral 5% ca stringers - mostly confined to hairline fx's @9.00m - irregular 30cm vol'c xenolith >3% py - almost all as hairline stringers occurring locally thru out (i.e 9.45m) and x-cuts xenolith
TM-21-111	13.20	21.50	VOL	similar to above phyric unit but wkly magnetic wk/diffuse hem staining locally thru out @14.90m - qtz vnlt x-cut by hairline ca stringers calcic alt'n confined to fx fill 2% ca vnlt/stringers and <1% qtz stringers 5% py - mostly as irregular/discontinuous stringers and patchy, locally diss



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-111

Nad 83, UTM Zone 16

Easting (m)	301083.52	Elevation (m)	517.91
Northing (m)	5376993.10	Azimuth(m)	70.00
E.O.H. (m)	143.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 28, 2021

TM-21-111	21.50	26.20	VOL	<p>phyric texture absent - separate unit from above or overprinted?? upper half somewhat mottled from local diffuse hem staining and vfgr, dk grey unalt'd mixed w/ wkly greenish grey ser alt'n @24.40m - 15 cm bx mod calcic alt'n thru out 2% ca vnlts/stringers 3% py - mostly as irregular/discintuous stringers and patchy, locally diss lower contact sharp - alt'n front??</p>
TM-21-111	26.20	31.80	VOL	<p>distinctive from above units due to 1) locally w.d ser alt'n esp., in upper and lower 50cm and 2) inc., in py to 10% phyric texture locally preserved calcic alt'n variable but mostly mod thru out majority of unit 3% ca stringers and rare vnlts @27.30-27.90m - diffuse hem staining 10% py - irregular/discontinuous stringers/vnlts +/- diss</p>
TM-21-111	31.80	34.70	POR	<p>40% as sub/anhedral 1-3mm plag crysts - mostly reddish brown but locally dull grey somewhat similar to 7.65-13.20m due to hem staining of matrix but is a different unit non calcic - ca vnlts/stringers absent 2% qtz vnlts/stringers <1% py - locally diss both contacts sharp</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-111

Nad 83, UTM Zone 16

Easting (m)	301083.52	Elevation (m)	517.91
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E.O.H. (m)	143.00	dip (m)	-50.00

Drilling Company Berube Repairs
 Logged by Brett LaPeare
 Date: August 28, 2021

TM-21-111	34.70	41.75	VOL	similar to 13.20-21.50m including wkly magnetic and same style and % of py local diffuse/mod hem staining - but local ser alt'n variable calcic alt'n - mod to confined to hairline fx's 3% ca vnlt/stringers @39.90-40.30m - mod ser alt'n 5% py - py only stringers, py+ca stringers, patchy - see 38.60 for w.d py min'z
TM-21-111	41.75	46.85	TRC	reddish brown to 44.75m then changes to mod grey mafic lenticular crysts vary from felted to aligned (i.e. 45.50m) - crysts mostly absent to 44.30m mod calcic alt'n assoc., w/ hem staining but mostly absent below 44.75m 1% ca stringers 3% py - diss vfgr, irregular/discintuous stringers +/- ca +/- chl/tm, patchy - somewhat better developed below hem staining lower contact noted by presence of mdgr anhedral mafic crysts
TM-21-111	46.85	50.15	VOL	similar to 34.70-41.75m mottled from patchy to locally semi-pervasive ser alt'n phytic texture only locally preserved mod calcic thru out 2% ca stringers - mostly hairline 7% py - locally w.d (i.e 47.25-47.80m) as irregular stringers and highly irregular patchy infill occurring locally thru out hole lower contact fairly sharp



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-111

Nad 83, UTM Zone 16

Easting (m)	301083.52	Elevation (m)	517.91
Northing (m)	5376993.10	Azimuth(m)	70.00
E.O.H. (m)	143.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 28, 2021

TM-21-111	50.15	51.60	TRC	<p>somewhat similar to above trc but mafic crystals smaller and more localized - texture mostly destroyed or just finer grained version</p> <p>diffuse/wk local hem staining</p> <p>calc alt'n mostly absent</p> <p><1% ca stringers</p> <p>@51.20m - highly irregular 'injection' texture of syn/fp? over 20cm</p> <p>2% py - diss to rare stringers +/- ca +/- chl/tm</p> <p>lower contact fairly sharp</p>
TM-21-111	51.60	66.85	VOL	<p>similar to 46.85-50.15m</p> <p>phyric texture mostly thru out</p> <p>ser (+chl?) w.r alt'n assoc., w/ mod/high density hairline ca fx fill (i.e. 63.00-63.50m)</p> <p>diffuse local hem staining</p> <p>mod calcic alt'n</p> <p>15% ca stringers as described above and rare vnlt +/- fl</p> <p>3% py - locally w.d and similar to 46.85-51.15m but dec in tenor</p>
TM-21-111	66.85	71.15	POR	<p>40% as 1-5mm subhedral plag crystals in reddish strong hem alt'd matrix - local mafic crystals but not common</p> <p>wkly calcic alt'd</p> <p>mod magnetic</p> <p><1% ca vnlt</p> <p><1% py - diss in matrix</p> <p>lower contact sharp</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-111

Nad 83, UTM Zone 16

Easting (m)	301083.52	Elevation (m)	517.91
Northing (m)	5376993.10	Azimuth(m)	70.00
E.O.H. (m)	143.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 28, 2021

TM-21-111	71.15	89.40	VOL	<p>phyric texture wkly developed in upper 3m but absent thru out rest of unit mostly msv, fgr/vfgr locally reddish brown from diffuse to mod hem staining mod calcic alt'n mostly thru out but locally absent or only as hairline fx fill wkly magnetic in lower 3m 5% py - diss, local clusters, patchy infill assoc., w/ ca and irregular discontinuous stringers</p>
TM-21-111	89.40	90.20	POR	<p>same as 66.85-71.15m</p>
TM-21-111	90.20	104.20	VOL	<p>same/similar to 71.15-89.40m locally magnetic in middle of unit hem alt'n wk/diffuse in upper 3m - mostly absent below except highly localized (i.e 98.90m) assoc w/ patchy ca infill @98.70m - qtz only +/- py and rare moly (one grain observed) calcic alt'n variable from mod to locally only as hairline fx fill 3% ca vnlt stringers 3% py - irregular as described in above units lower contact fairly sharp</p>
TM-21-111	104.20	105.80	BRX	<p>more of a quasi bx w/ 80% as sercitized/calcic host rock w/ 20% as chl/tm + ca matrix/cement <1% py - diss in host rock not matrix lower contact sharp</p>
TM-21-111	105.80	110.40	TRC	<p>dk grey, msv, fgr to locally mdgr colour suggests vol'c but local diffuse texture suggests trc mod calcic thru out <1% ca stringers 2%py - mostly as high angle discontinuous stringers, rare patchy and locally diss</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-111

Nad 83, UTM Zone 16

Easting (m)	301083.52	Elevation (m)	517.91
Northing (m)	5376993.10	Azimuth(m)	70.00
E.O.H. (m)	143.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 28, 2021

TM-21-111	110.40	113.70	SYN	<p>distinctive brick red partially diffuse por texture of anhedral plag > local sub/anhedral mafics wkly calcic - mostly in hairline fx's 2% ca stringers <1% py - diss lower contact sharp</p>
TM-21-111	113.70	120.75	TRC	<p>similar to 105.80-110.40m but trachytic texture of mafics more evident locally thru out local hem staining but <5% of unit mod/wk calcic alt'n 2% ca vnlts stringers + rare Qtz+py vnlts @ 119.70m 1% py overall but locally mod developed stringers @120.10-120.40m which x-cuts hem staining lower contact sharp</p>
TM-21-111	120.75	124.75	SYN	<p>somewhat unique unit - top 1.7m is mostly fgr matrix w/ diffuse anhedral mdgr plag and mafics but then transitions over 1m to distinctive FP w/ inc., of 10-15% plag in upper part to 30-35% plag - but matrix same thru out entire unit upper part is wk/mod calcic but lower por section is non calcic <i>so is it two different units or highly gradational fractionation - matrix would suggest the latter</i> < 1% ca vnlts/stringers <1% py - locally diss</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-111

Nad 83, UTM Zone 16

Easting (m)	301083.52	Elevation (m)	517.91
Northing (m)	5376993.10	Azimuth(m)	70.00
E.O.H. (m)	143.00	dip (m)	-50.00

Drilling Company Berube Repairs
 Logged by Brett LaPeare
 Date: August 28, 2021

TM-21-111	124.75	138.25	TRC	<p>mostly reddish brown/brick red to locally dull mod/dk grey lenticular mafic crysts vary from felted to aligned at high angle locally wkly porphyritic (126.1m) w/ sharp upper contact but highly gradational lower contact over 25cm - is it a separate dyke or plag phyric texture enhanced by hem alt'n mod calcic thru out 1% ca stringers/vnlts wk/mod magnetic in lower 3m 1% py - locally assoc., w/ ca infill (i.e 137.70m) lower contact highly gradational/obscured by hem - difficult to discern</p>
TM-21-111	138.25	161.80	VOL	<p>vfgr, msv, mostly dk grey except where diffuse to mod hem stained - mottled texture @157.00-157.50m - mafic phyric dyke w/ sharp contacts locally wk/mod magnetic esp., @ 148.00-150.00m calcic alt'n variable - locally wk to mostly absent 2% ca stringers/vnlts 3% py - mostly as irregular/discontinuous stringers - best developed @153.50-157.60m</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-111

Nad 83, UTM Zone 16

Easting (m)	301083.52	Elevation (m)	517.91
Northing (m)	5376993.10	Azimuth(m)	70.00
E.O.H. (m)	143.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 28, 2021

TM-21-111	161.80	179.60	TRC	<p>similar to 124.75-138.25m upper contact highly gradational over 1.5m majority of unit reddish brown variable texture from mostly vfgr to locally plag and/or mafic phyric - plag>mafics but diffuse within hem alt'n calcic alt'n mostly absent 2% ca vnlt/stringers @173.00-173.85m - w.d msv,mdgr intrusive texture @174.00-174.35m - py assoc., w/ chl/tm stringers and infill @177.00 & 179.15m - patchy py 2% py - mostly as stringers +/- ca +/- chl/tm - stringers locally w.d (169.75m) - also as local mm patchy to vfgr diss lower contact noted by colour change</p>
TM-21-111	179.60	206.90	VOL	<p>similar to 138.35-161.80m but hem staining much less and diffuse overall mostly vfgr, msv, dk grey @184.00-186.70m - bleached from ser alt'n and quasi bx'd w/ local qtz vnlt exhibiting w.d w.r bx'n w/ patchy chl/tm, diffuse hem staining in lower 20cm below 186.70m to lower contact is homogeneous msv dk grey texture except @ 202.60-202.90m as trachytic(?) injection texture and local rare mod ser alt'n mod calcic alt'n 2% ca vnlt/stringers, rae ca+fl vnlt and maroon hem stringers @ 205.90m 2% py - mostly as local stringers or patchy lower contact sharp</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-111

Nad 83, UTM Zone 16

Easting (m)	301083.52		Elevation (m)	517.91
Northing (m)	5376993.10		Azimuth(m)	70.00
E.O.H. (m)	143.00		dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: August 28, 2021

TM-21-111	206.90	209.00	POR		textbook porphyritic texture w/ 30% as subhedral 1-3mm crystals in hem alt'd matrix 2% qtz stringers sulphide poor/barren



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-112

Nad 83, UTM Zone 16

Easting (m)	300400.58	Elevation (m)	194.00
Northing (m)	5377689.94	Azimuth(m)	45.00
E.O.H. (m)	209.00	dip (m)	-65.00

Drilling Company Berube Repairs

Logged by Brett LaPearce

Date: September 1, 2021

TM-21-112	0.00	6.35	OVB	no return
TM-21-112	6.35	17.40	VOL	Fgr to mgr volc. Med gry, gen msv. 1-5cm irreg psuedo 'clasts' of epid/cb/ser. Wk calc alt'n -mostly veinlet, fract related but also locally finely spotted. 4-6% cb +/- qz veinlets -often irreg and discontinuous and very locally pygmatic. Common orient's at 30° and 50° TCA. 2-4% diss and FC Py can be Very fgr. 6.5-6.9 hydroth Bx -very diffuse cloudy texture with perv ep/ser + fecb? alt'n flecked with fgr blk chl/tour? 7.8-8.5 Sheared @30-40° TCA, wk ser/chl & 5% conformable or highly deformed cb>qz veinlets. 13.92-14.28 Bx. Str perv cb/ser +/- ep. Dk fgr clasts in very fgr (aphanitic) cb/ser/ep Mx.
TM-21-112	17.40	18.65	TRC	Trachyte, fgr with mgr fsp laths with flow banding (foliation) Trtacytic texture. Be/brn with wk calc mostly FC. Wk, local ser and chloritized fgr mafics. 1-3% diss Py 2% calc/qz vein'g.
TM-21-112	18.65	36.05	VOL	Fgr Volc. Dk gry spotted grn with mm-7cm psuedo 'clasts' (x'd in part?) of ep/cal/feox? And possibly wk ser - often zoned. Similar alt'n can be introduced via fract'g. Flecked with </=5% blk mafics and oxides. 2-4% vfgr diss and FC Py. 27.0-36.05 is relatively massive and spotty -psuedo clastic text has waned. 1% fine calc veinlets.
TM-21-112	36.05	40.75	MNZ	Monzonite dike, mgr, near equigranular and very Msv. Grn/brn. Rel pristine.. Phaneritic fsp's are intact. Wk calc alt'n. 1-3% Vfgr diss, interstitial Py. Sharp chilled contacts @ ~ 50° TCA.
TM-21-112	40.75	76.60	VOL	Fgr Volcanic. Gry/be/blk/grn. Intense pervasive alt'n -blotchy, mottled graphic text's. patchy mod ep/cb, local hard aphanitic sil/ser. Spotted with 5-15% blk chl (tour?) alt'd mafics + oxides. 1-4% diss Py. Wk patchy calc. 1-3% calc +/- qz vein'g, planar and locally deformed with Py 69.25 -69.5 Late chloritic fault or narrow Shear - laminated with cb/qz/chl & tour? @45° TCA. 69.75-71.0 is msv, homogenous, fgr phaneritic Fsp -Monz dikelet. 1-2% vfgr diss Py.
TM-21-112	76.60	104.64	VOL	Volcanic. Similar to above but alt'n is rel wk. Gen msv, -local 'spots/clots' of zoned ep/cb/ser and spotted chl/tour/?bt altd mafic (orig pheno's?) 2-3% hairline to 1cm cal +/- qz veinlets 1-2% diss Py wk calc is mostly vein related.



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-112

Nad 83, UTM Zone 16

Easting (m)	300400.58	Elevation (m)	194.00
Northing (m)	5377689.94	Azimuth(m)	45.00
E.O.H. (m)	209.00	dip (m)	-65.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: September 1, 2021

TM-21-112	104.64	107.53	MNZ		Monzonite; fgr, fsp phytic. Fsp's are cb + ser alt'd. Dk gry/grn 1-2% cal >>qz vein'g 3-5% diss Py. Wk foliation near upper contact.
TM-21-112	107.53	110.50	VOL		Volcanic. Gen str'y alt'd. Aphanitic grndms (ser+sil) Lt gry/be + blk. Texture is somewhat blotchy or mottled with blk chl/tur 'spots'. Possibly Bx'd in part?? Wk calc -mostly vnlt/ff, locally near perv. 4-8% diss Py. 1-2% cal vnlt
TM-21-112	110.50	112.20	FTZ		Fault. Late, brittle with some thin cy gouge. At 20° TCA swinging to 0°. Lamin'd and lcl'y contorted cal/alb/?qz/chl/tour vein'g with structure. 1-2% diss Py Core is badly broken
TM-21-112	112.20	116.08	VOL		Same rock as above fault but with wk hem. Also 2-3% ca +/- qz & chl/tur vein'g commonly at very shallow angle to core axis and very lcl'y with very thin cy gouge (faulted in part)
TM-21-112	116.08	121.87	MNZ		Monzonite; fgr-mgr. Very msv, homog and rel unalt'd. Mod perv calc. Fsp's can be ser alt'd. Fgr-mgr mafic component is typicly chl'd. 1-3% planar ca vnlt 4-6% diss or fine blebs of PY
TM-21-112	121.87	140.40	VOL		Alt'd Volcanic; lt gry aphanitic grndms (ser/cb). Mottled, somewhat blotchy and spotted textures. Gry + be/brn & blk. Mafics are chl/?tur alt'd. Rock is likely Bx'd lcl'y with lcl angular likely, alt'd clasts 5-8% diss +fine blebby Py. 3-4% planar often discontinuous ca vnlt. Wk-mod calc
TM-21-112	140.40	147.55	VOL		Volcanic; Fgr, dk gry to reddish with wk lcl hem. Vfgr grndms -relatively wkly alt'd except mod-str perv calc. .5mm - 3mm chl/?tur alt'd mafic 'spots' in part pheno's? 4-6% fine cal +/-qz vnlt are discontinuous and crackle Bx like. 2-5% diss Py. 145.4-146.54 and 147.05-147.55 are late Faults with laminated, curvilinear cb/qz/chl/tur/?/Py at very shallow angle TCA + thin cy gouge.
TM-21-112	147.55	148.60	MNZ		Monzonite; fgr nearly phaneritic. Msv and homog with lcl wk fol'n @ 55°. Reddish with wk hem, str perv calc. 4-5% diss Py
TM-21-112	148.60	155.17	VOL		Volcanic; Fgr, dk gry to reddish with wk lcl hem. Vfgr grndms -relatively wkly alt'd except mod-str perv calc. .5mm - 3mm chl/?tur alt'd mafic 'spots' in part pheno's? 4-6% fine cal +/-qz vnlt are discontinuous and crackle Bx like. 2-5% diss Py.
TM-21-112	155.17	157.82	SYN		Syenite/Monzonite dike. Vfgr grndms with mgr fsp laths. Msv, homog. Mod-str perv calc. 1-4% fgr, anhed diss Py. 2-3% fine cal vnlt with preferred orient of 40°



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-112

Nad 83, UTM Zone 16

Easting (m)	300400.58		Elevation (m)	194.00
Northing (m)	5377689.94		Azimuth(m)	45.00
E.O.H. (m)	209.00		dip (m)	-65.00

Drilling Company Berube Repairs
 Logged by Brett LaPearre
 Date:September 1, 2021

TM-21-112	157.82	177.12	VOL	Volcanic, vfg -aphanitic grndms. Dk gry to lt red with wk patchy hem staining. Msv and rel consistent. Spotted and flecked with blk chl/tur?/bt?? alt'd mafics. Mod perv calc 2-4% diss Py can be Very fgr with affinity to mafic 'spots' also FF. 2-4% fine planar ca +/-qz vnlt with preferred orient'n @ 70° TCA. Sharp LC @ 40° TCA
TM-21-112	177.12	194.00	TRC	Trachyte; Massive, Very fgr hem stained grndms with Fsp pheno's yeilding typical trachyte flow textures -@40° TCa. Also rounded suasseritized or calc alt'd porph's which are localized. WK cal mostly as FF. 1-2% fgr diss and fine blebby Py 193.2-193.45 has very coarse clotted CPy in calc vein'g mostly at 45° tca. 1-3% planar calc +/- qz vein'g.



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-113

Nad 83, UTM Zone 16

Easting (m)	300418.10	Elevation (m)	418.00
Northing (m)	5377672.12	Azimuth(m)	45.00
E.O.H. (m)	224.00	dip (m)	-65.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: September 3, 2021

TM-21-113	0.00	6.00	OVB		no return
TM-21-113	6.00	29.00	VOL		Volcanic; Str Alt'n, dk gry grn aphan'c grndms. Bx'd, colourful, blotchy, mottled and zoned alt'n text's are v graphic. Mod-str variable calc. Str ep, wk-mod ser, local sil'n. Alt'd clasts can be angular. Ep is patchy often rimming 'clasts'. Mafics are chl/tur alt'd Spotty fecb?? 1-3% Py can be Vfgr. 1-2% calc vnlt's 15.7-16.65 is a fgr mafic dike. Msv, homog, gry/brn, 1% fgr Py. Sharp contacts at 40 & 60° tca
TM-21-113	29.00	63.50	VOL		Volcanic; Fgr dk gry. Gen Msv but 'spotted', clotted with irreg mm to 3cm calc + blk chl/tur/ox/Py and often rimmed with ep. Lcl alt'd fsp ?pheno's. Mod spotty to perv calc. 2-4% planar fine calc +/- qz vnlt's, often at 30° & 50° tca. 1-2% fgr diss Py 30.63-30.95 & 34.4-35.24 are siliceous felsic dikes. Vfgr almost cherty. Homog, msv and lt gry. perv m-s calc but rock is still hard. <=1% PY 37.7-39.35 sections contains multi-cm cm patches of very irreg, ijected looking sil/calc.
TM-21-113	63.50	63.85	FLZ		Fault; late, brittle some minor thin cy gouge. Lamin'd cb/qz/chl/tur & 1-2% Py. Host is sh'd with str ep/chl/?tur.
TM-21-113	63.85	82.90	VOL		Volcanic; fgr -vfgr dk gry/grn grndms. Mod-str ep/cb as 'blotches, spotted and irreg masses or as FF. 10-15% spotted blk mafics chl/tour + ox's, +/- ep rims. Local patchy (injected?), gry sil'n. 1-4% diss anhed Py 1-2% Hairline to 5mm, ca/qz/py. Py can form nice margins to the vnlt's.
TM-21-113	82.90	86.00	SYN		Syenite/Monzonite dike. Fgr reddish with wk perv hem. Msv, homog. Local cloudy cal alt'd porph's?. 4-6% fgr, very anhed diss Py. 1% fine, planar cal vnlt's. Sharp irreg contacts
TM-21-113	86.00	95.90	VOL		Volcanic; Same rock as above but ep is now wk and localized -ep/cb as 'blotches, spotted or as FF. fgr -vfgr dk gry to reddish with wk hem grndms. 10-15% spotted blk mafics chl/tour + ox's, +/- ep rims. Local patchy (injected?), gry sil/?ser. 2-3% diss anhed Py 1-2% ca +/-qz vnlt's. Bx'd for 8cm at LC
TM-21-113	95.90	104.00	SYN		Syenite/Monzonite dike. Fgr phaner'c, red with wk-mod perv hem. Msv, homog. Local cloudy calc alt'd porph's?. 5-6% fgr, very anhed diss Py. 1% fine, planar cal vnlt's. Perv mod calc. Fgr mafics are chl'd. Sharp irreg LC.



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-113

Nad 83, UTM Zone 16

Easting (m)	300418.10	Elevation (m)	418.00
Northing (m)	5377672.12	Azimuth(m)	45.00
E.O.H. (m)	224.00	dip (m)	-65.00

Drilling Company Berube Repairs

Logged by Brett LaPearce

Date: September 3, 2021

TM-21-113	104.00	124.63	VOL		Volcanic; Str Alt'n, blotchy-mottled text's, blk/gry/grn. Ep is wk and lcl'd. lcl very irreg 'patches' of gry sil/cal/ser. Str mafic component is soft and chl'd -can be rimmed with cb +/- ep and ?ser. mod finely spotted to perv calc. 2-6% diss Py. cgr Cpy 'clots' @ 116.8 & 122.7m in highly deformed, discontin cb/qz rimmed with chl/tur. 1-2% fine ca vnlt's and FF.
TM-21-113	124.63	131.87	TRC		Trachyte; Fgr- near mgr with fsp's displaying trach'c flow text's. Msv, homog, fsp's are calc alt'd. Wk-mod perv red hem. Fgr mafics are chl'd. After 128m rock becomes vfgr. 1-3% diss Py 2-3% planar cal/qz vein'g
TM-21-113	131.87	147.10	VOL		Volcanic; Somewhat blotchy-mottled testured. Localized rel wk ep as spots, patches or rims to mafic'spots'. 10-15% blk mafic (chl/tur alt'd) psuedo clasts often with Py inclusions 7 ep/ca rims 2 to lcl'y 7% diss and FC Py. <= 1% cal +/- qz vnlt's 143.0 material becomes vfgr, less alt'd patchy wk hem here and mafic 'spots' are rimmed with cal. 144.7-145.3 has 5% fine planar cal vnlt's -crackle Bx like. Sharp irreg LC.
TM-21-113	147.10	149.15	TRC		Trachyte; Fgr, fsp phyric -classic trachytic text. Red with mod perv hem. Vfgr dk gry/grn grndms. Fsp's are often cal alt'd. <5% fgr chl?tur alt'd, blk mafics. 3-5% diss Py throughout. Wk calc, mostly as alt'n to fsp's or FF. 1% cal vnlt's or FF.
TM-21-113	149.15	165.15	VOL		Volcanic; Fgr with aphan'c grndms. Dk grn/gry with perv likely perv chl. Also patchy, lcl wk reddish hem stain'g. Rock is Somewhat heterogebeous with varying alt'n assemblages. Locally blotchy/mottled. 5-20% blk chl/tur alt'd mafic component commonly with Py inclusions. Wk very lcl'd epid. Patchy (local) lt gry/be ser +sil alt'n -wk overall. 2-3% fine, random and planar cal vnlt's. lcl cal/qz vein'g to 1cm is typically deformed. 4-7% diss + vnlt/FC Py with affintiy to mafics. wk-mod variable finely spotted cal + FF.
TM-21-113	165.15	168.05	BRX		Hydroth Bx. Str alt'n. Mafic rich (now chl/tur). Irreg, diffuse and ragged cb/ser +/-qz alt'd clasts. Forms a fol'n @ 40-55° tca, 3-5% diss Py Patchy wk-mod calc. 5-8% ragged, deformed cal +/- qz vein'g.



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-113

Nad 83, UTM Zone 16

Easting (m)	300418.10	Elevation (m)	418.00
Northing (m)	5377672.12	Azimuth(m)	45.00
E.O.H. (m)	224.00	dip (m)	-65.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: September 3, 2021

TM-21-113	168.05	190.00	VOL		Volcanic; Same unit as above Bx. Fgr with hard (sil'd?) aphan'c grndms. Dk grn/gry with perv likely perv chl. Also patchy, lcl wk reddish hem stain'g. Rock is Somewhat heterogebeous with varying alt'n assemblages. Locally blotchy/mottled. 5-20% blk chl/tur alt'd mafic component commonly with Py inclusions. Wk very lcl'd epid. Patchy (local) lt gry/be ser +sil alt'n -wk overall. 1-3% fine, random and planar cal vnlt. 2-5% diss + vnlt/FC Py with affintiy to mafics. wk-mod variable finely spotted cal + FF. 168.05-177.5 has 3-4 random, fine, often discontinuous cal vnlt -crackle Bx like.
TM-21-113	190.00	200.70	TRC		Trachyte; Vfgr grndms -fsp phyric with lcl classic trachytic text. Gry grn lcl'y reddish with wk hem (+K-spar?). Fsp's are often cloudy with cal/?ser alt'n. Wk finely spotted & FC cal. 1-2% fine chl/cal vnlt and FF. 5% diss anhed Py 191.7, 196.45 and 195.0 has tour/Py vein'g @45° -Py can be coarse-clotted.
TM-21-113	200.70	201.32	VOL		Volcanic; Vfgr gry/grn with cloudy gry cb alt'd lcl fine fsp pheno's. Rel homog, msv. Mod-str perv calc. 5-6% diss Py throughout. 2% fine chl/cal vnlt or FF. Sharp LC @ 60° tca
TM-21-113	201.32	205.72	TRC		Trachyte as above the narrow volc unit. Vfgr grndms -fsp phyric with lcl classic trachytic text. Gry grn lcl'y reddish with wk hem (+K-spar?). Fsp's are often cloudy with cal/?ser alt'n. Wk finely spotted & FC cal. 1-2% fine chl/cal vnlt and FF. 5% diss anhed Py
TM-21-113	205.72	209.00	VOL		Volcanic; Fgr with aphanitic, hard (sil'd in part?) grndms. Somewhat mottled -heterogeneous with varying alt'n. Dk gry/grn with patchy reddish, wk lcl hem. Patches and narrow sections of gry-lt be wk ser +?sil alt'n. 5-15% blk mafic spots, mm scale, are chl/tur alt'd often with py inclusions. 2-lcl'y 8% diss, clotted and vnlt/FF Py. Gen str perv calc. 1% fine, discontinuous cal vnlt/FF
TM-21-113	209.00	210.45	TRC		Volcanic; fgr -mgr. gry to gry/grn with cloudy gry cb alt'd fine fsp pheno's. Rel homog, msv. Mod-str perv calc. 3-5% diss Py throughout. Mod-str perv calc 2% chl/cal vnlt (to 1cm) or FF. Sharp contacts @ 45° tca



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-113

Nad 83, UTM Zone 16

Easting (m)	300418.10	Elevation (m)	418.00
Northing (m)	5377672.12	Azimuth(m)	45.00
E.O.H. (m)	224.00	dip (m)	-65.00

Drilling Company Berube Repairs
 Logged by Brett LaPearre
 Date:September 3, 2021

TM-21-113	210.45	216.45	VOL	Volcanic; Similar rock to above TRC dike. Aph'c dk gry.grn (likely chl'c) grnbdms + lcl phaneritic cb alt'd cloudy diffuse fsp's. Lt gry ser/sil has waned to very wk and localized. 2-4% random discontinuous cal + lcl qz vein'g Mod perv cal and lcl wk patchy hem. 2- lcl'y 6% diss and FF Py
TM-21-113	216.45	220.62	TRC	TRC/HYP; Fgr-mgr. Mgr cloudy laths of Fsp's are cal alt'd -possible porph's. Rel Msv, homog, gry/grn with slight patchy red from wk lcl hem. Fgr mafics are chl'd. 2-4% random, discontinuous cal +/- qz vnlt's. 2-lcl'y 6% diss anhed Py throughout. Str perv calc. Distinct LC @ 30° tca
TM-21-113	220.62	224.00	VOL	Volcanic; Fgr, dk gry/grn. Rel Msv and homog. Finely flecked ~5% blk chl'd mafics. 1-2% wh mm cal 'spots' 3-5% mostly fine cal vnlt's +/- lcl qz. 0.5% diss Py Mod-str calc -somewhat patchy or variable



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-114

Nad 83, UTM Zone 16

Easting (m)	300383.50	Elevation (m)	418.00
Northing (m)	5377708.00	Azimuth(m)	45.00
E.O.H. (m)	212.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPearle

Date: September 6, 2021

TM-21-114	0.00	7.40	OVB	overburden, some ground cobbles, boulder.
TM-21-114	7.40	29.30	VOL	Volcanic; Fgr-Vfgr, dk gry grndms (non-calcic mostly). Ubiquitous spotting and quasi-pseudo 'clsats' of ep/cb + wk ser commonly with blk chl/tur cores (zoned). Gen str epid -as fine spots to psuedo clasts or round 'blobs' to 6cm. Mod calc mostly with clasts. likely bx'd from 7.4 to 13.6 with coarse angular clasts. 1-3% fine cal vnlt. 1-2 diss subhed py can be Vfgr.
TM-21-114	29.30	33.10	DYK	Mafic to intermed Dike; Fgr, dk gry/grn. Msv, homog. Laced with 6-8% mm, 1cm calc vnlt -with 40° and 65° being dominant. Mod calc, 2-3% vfgr diss Py. Sharp irreg contacts.
TM-21-114	33.10	52.50	VOL	Volcanic. Same rock as above dike. Likely Bx'd in part. Fgr, dk gry/grn however is rel wk here and localized. Laced with 5-6% wh cal+/-qz vn'g -hairline to 3cm -lcl'y boudined, en-echelon (dilatational). Local patchy -ragged ser +?sil. Variable wk-mod calc. 1-2% diss Py 47.0-47.25 Late Shear @ 50° with lamin'd cb/chl/qz and banded Py
TM-21-114	52.50	83.50	VOL	Similar to above but spotted -quasi clastic text's with mod-str epid returns. Looks identical to 7.4-29.3 Mod perv Calc. 1-2% planar 1-6mm cal +/- qz vnlt/FF 0.5 to v lcl'y 2% diss Py, can be extremely fgr. Aphanitic grndms can be very hard (kspar?) 72.62-72.65 sil/ser alt'd shear @ 70° tca.
TM-21-114	83.50	97.90	VOL	Volcanic; Alt'd, blotchy and spotty text's as above but epid wanes somewhat & more lcl'd. Aph dk gry/grn grndms. Patchy -blotchy epid/cb and patchy lt gry patches of ser/cal alt'n -angular nature to this alt'n suggests Bx'n. Chl//tur alt'd mafics are clustered in blotches as opposed to spots or phenos. Gen m-s perv cal 1-2% fine cal FF 2-5% diss Py can be very fgr.
TM-21-114	97.90	98.80	DYK	Intermediate dike; Msv, aph'c grndms, pale gry grn. Flecked with 5-7% blk fgr mafics. 1% planar cal vnlt. 5-8% diss very anhed Py throughout. Sharp chille irreg contacts
TM-21-114	98.80	101.84	VOL	Volcanic; Alt'd, blotchy and spotty text's as above but epid wanes somewhat & more lcl'd. Aph dk gry/grn grndms. Patchy -blotchy epid/cb and patchy lt gry lcl with wk-mod ser. Chl//tur alt'd mafics are clustered in blotches as opposed to spots or phenos. Gen m-s perv cal 1-2% fine cal FF 2-5% diss Py can be very fgr.



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-114

Nad 83, UTM Zone 16

Easting (m)	300383.50	Elevation (m)	418.00
Northing (m)	5377708.00	Azimuth(m)	45.00
E.O.H. (m)	212.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: September 6, 2021

TM-21-114	101.84	105.40	HYP		Hypabyssal (dike); Fgr-mgr, med gry gry/grn. Msv, diffuse, rel fine fsp laths and rounded porph's? are cal alt'd. flecked with blk chl'd fine mafics. 1% cal vnlt 1-4% diss py Wk hem in last 80cm 105.05-105.4 is an alt'd and str'y foliated TRC dike. Bright grn with str ep/ser. dk gry soft fsp's display trachytiuc text's. Non calcic here.
TM-21-114	105.40	107.00	VOL		Volcanic; Vfgr dk gry/grn. Perv Alt'd -diffusely mottled, wk-mod ep, patchy wk-mod ser. 5% fgr-mgr blk chl/tur alt'd mafics. 1-3% Vfgr Py 2% cal vnlt + lcl minor qz wk-mod cal gradational LC.
TM-21-114	107.00	110.00	ATZ		Alteration zone; rather distinctive with bright grnyel -Gen sheared with str ser/ep +?fecb alt'n. Spotted with rounded blk chl/tur? Alt'd mafics often wih Py inclusions. 1-2% discontinuous -deformed ca vein'g 3-4% diss Py Non-calcic 107.95-108.7 sheared @ 15° tca with lamin'd qz/chl/tur? + cb, qz is boudined-deformed. 109.55-109.7 Late shear@25° tca with lamin'd qz/chl +cb, ep/ser + lcl thin cy gouge.
TM-21-114	110.00	111.40	TRC		Trachyte; alt'd bright grn with m-s perv ep + ser. Mgr-near cgr laths of fsp are sausseritized gry & rel soft but display classic Trachyte text's. Wk cal increasing to mod-str downhole. 1% ca vnlt. 2-5% diss Py throughout. Sharp contacts @ 40-60° tca
TM-21-114	111.40	118.74	VOL		Volcanic; Fgrl relatively unaltered. Dk gry, Msv, homog. Flecked with fgr blk chl/tur alt'd mafics. 5-7% fine, discontin's ca vnlt -crackle Bx like at every orient'n. Tr-0.5% diss Py 117.8-118.34 - wk-mod ca/ser +chl and 3-4% Py. Distinct, sharp LC with sil'd alt'n front of next unit at 60° tca.
TM-21-114	118.74	129.15	VOL		Volcanic; Alt'd. Fgr-aphanitic. Grn/gry, grn and blk. Mottled, blotchy varying alt'n assemblages. May be Bx'd ?? M-s ser + fecb? W-m patchy epid. First 20cm is str'y sil'd and foliated @ 60° tca, after which sil'n becomes very localized, wk overall. 5-10% blk chl/.tur alt's mafics commonly with Py inclusions. 1-3% fine cal vnlt 3% fine -hairline blk chl/tur FF commonly @ 30° tca (tension gash like?) 1% highly deformed qz/cb veining -very irreg, 'knotted'. 3-lcl'y 8% diss or clotted Py.
TM-21-114	129.15	131.60	MNZ		Monzonite; Vfgr, Fsp phyric. Fgr-mgr cloudy, round, mostly cal alt'd fsp porph's. Vfgr grndms is reddish with wk perv hem. Msv, homog, Wk perv cal. 5-7% diss anhed Py, lcl solid bands of Py as FF. 1% Ca vnlt. Diffuse LC



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-114

Nad 83, UTM Zone 16

Easting (m)	300383.50	Elevation (m)	418.00
Northing (m)	5377708.00	Azimuth(m)	45.00
E.O.H. (m)	212.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPearce

Date: September 6, 2021

TM-21-114	131.60	135.60	VOL	Volcanic fgr-aph'c. gry/grn to pinkish. Mod cal, FC becoming perv. V wk hem, grndms is likely sericitic +febc?/ 5-8% fgr-mgr chl'd mafics. 1-2% fine planar cal vnlt 4-6% diss and FC anhed Py
TM-21-114	135.60	139.86	MNZ	Monzonite. Vfgr, faintly fsp phyr. Fsp's have diffuse margins -rounded to subhed & perv'y cal alt'd. Aph grndms likely has mod ser. <5% chl'd mafics. Rel Msv and homog. 2-3% discontin cal vnlt 1% chl hairline FF. 6-8% diss anhed Py throughout.
TM-21-114	139.86	149.00	VOL	Volcanic; Fgr -aph'c, dk gry, lt gry & gry/grn. Apparently Bx'd. mm scale to multi-cm angular and rounded clastds. Patchy v wk ser. Perv m-s chl. Very lcl patchy sil'n, lcl 1-3cm 'clasts' of hard, gry sil? (Kspar?)/cal. Fleckjed wiyth mg chl'd mafics. 2-3% planar cal vnlt. 4-7% diss Py
TM-21-114	149.00	150.33	MNZ	Monzonite; Fgr, rel Msv and homog. Faintly fsp phyr. Fsp's are diffuse, round -subhed and calc alt'd. Aph'c grndms with wk ser? 5% chl'd mafics. Wk-mod perv cal. 1% cal + qz vnlt. 4-6% diss Py. Sharp irreg contacts.
TM-21-114	150.33	151.46	BRX	Hydroth Bx. Fgr-vfgr. Mottled lt gry/grn, dk gry and blk. Mostly rounded, lcl'y angular, alt'd clasts with str ser/ca alt'n or dk chl/tur?/cal alt'n. Very lcl minor sil'n 1% late cal vnlt 3-5% diss Py
TM-21-114	151.46	161.67	MNZ	Monzonite(?); Fgr, Msv and homog. Dull brownish. Lt gry rounded Kspar?/qz? Rounded pheno's -hard and no reaction to acid. Finely spotted with mod cal throughout. 5% chl'd mafics 2-3% random, fine and discontin cal vnlt. 2-5% diss Py
TM-21-114	161.67	167.27	MNZ	Monzonite; Same rock as above but now with wk perv hem -reddish. Vfgr, rock is hard with Kspar (resembles sil'n but doubtful). Msv, homog 1% cal vnlt/FF. Wk-mod perv cal. 3-6% diss Py
TM-21-114	167.27	191.00	VOL	Volcanic; Vfgr-aph'c grndms that is hard (doesn't scratch) with kspar?/?/plag?? Rel msv, homog with blk chl'd mafic 'spots' to 1cm commonly with cal/Py inclusions. Wk-mod cal. Ave ~ 4% diss and FF Py 1-2% discontin cal vnlt. 181.0-191.0 Material becomes dk gry (lcl faint red with v wk hem). Remains rel msv, consistent. mod-str perv cal and magnetic.



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-114

Nad 83, UTM Zone 16

Easting (m)	300383.50	Elevation (m)	418.00
Northing (m)	5377708.00	Azimuth(m)	45.00
E.O.H. (m)	212.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date:September 6, 2021

TM-21-114	191.00	203.15	VOL		Volcanic; Bx'd fgr-vfgr/aph. Dk and lkt gry/grn. Majority of unit is Bx'd rounded to subangular clasts alt'd to ser/?sil + v wk ep with chl spots or inclusions or dk grn/gry and chl'c. Aphanitic grndms may be kspar rich? + chl 2-3% discontin cal vnlt 2-5% diss and FF Py Str perv cal. 197.65-198.2 is a fgr, fsp phyrlic Mon/SYN dike. Aph grndms is reddish with wk hem. Fine suhed fsps are cal alt'd. 5-7% diss Py throughout here.
TM-21-114	203.15	205.90	MNZ		Monzonite/Syenite; Vfgr, fsp phyrlic lt red with perv wk hem. 5-10% interstitial chl/ca. Gen wk perv cal. Fsp's are suhed and cal alt'd. 1% fine cal vnlt/FF 5-7% anhed diss Py throughout.
TM-21-114	205.90	212.00	VOL		Volcanic; Fgr dk gry/brn. 2-6% chl'd mafics can psuedomorph amph. Vfgr-aph'c grndms may have wk lcl ser? Str perv cal to 209m becoming patchy. Mod'y magnetic to 209.0m 209.0-212 Possible auto Bx'd, angular multi-cm 'clasts' Bx clasts and Mx of similar composition but clasts can be loaded with chl'd mafics and lcl'y wkly Bl'd (wk ser?) 1-2% planar cal vnlt. Local Py to 2% but avg only 0.5%



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-115

Nad 83, UTM Zone 16

Easting (m)	299933.00	Elevation (m)	390.00
Northing (m)	5377882.00	Azimuth(m)	318.00
E.O.H. (m)	131.00	dip (m)	-60.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date:September 8, 2021

TM-21-115	0.00	16.40	OVB	no return
TM-21-115	16.40	30.90	BRX	<p>dk grey, fgr/vfgr matrix w/ 1-2mm subhedral plag crystals hosting 25-40% as subangular > subrounded frags of variable lithologies, mostly vfgr vol'c to ~2% as angular distinctive red 'jasperoid' ~ <=/ 1m < 1% qtz stringers - mostly @ 22.85-23.50m 1% py - vfgr diss previous historical logging has named this unit an int vol'c with other observers naming it as a conglomerate - however the lack of any type of sorting, bedding - graded or otherwise - fiamme textures makes this problematic; petro suggests that it has been milled so possibly a pipe - under hand lens the matrix appears to be porphyritic hypabyssal thus giving credence to vol'c pipe but textures do suggest it is a volcanoclastic such as an agglomerate which is named here on in as a vol'c bx</p>
TM-21-115	30.90	33.80	TRC	<p>distinctive due to mostly pervasive red/pink colour from hem staining locally w.d trachytic texture in upper 50cm of unit w/ crystals aligned at 70-80 deg the middle of the unit exhibits more of a mdgr hyp/intrusive texture 2% qtz vnls - planar, milky white to vitreous smoky grey mostly at 70-90 deg no observable py lower contact sharp</p>
TM-21-115	33.80	44.20	BRX	<p>similar to above vol'c bx but more variable texture ranging from; slightly larger frags up to 4cm more pale lite greenish grey matrix (ser alt'n?) local widths of 40-45% an/subhedral plag with no frags NOTE: texture @ 39.80m - contact or alt'n front <1% qtz vnls/stringers - highly localized trace diss py lower contact sharp</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-115

Nad 83, UTM Zone 16

Easting (m)	299933.00	Elevation (m)	390.00
Northing (m)	5377882.00	Azimuth(m)	318.00
E.O.H. (m)	131.00	dip (m)	-60.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: September 8, 2021

TM-21-115	44.20	47.65	TRC	<p>somewhat similar to above trachyte but much more fgr and hem staining only locally wkly developed and also exhibits quasi >10cm banding locally and aligned texture of crysts mostly absent</p> <p>2% qtz vnlt locally w/ bx'd w.r (46.50m)</p> <p>trace diss py</p> <p>lower contact sharp</p>
TM-21-115	47.65	58.55	BRX	<p>similar to 33.80-44.20m but pale lite greenish grey matrix is pervasive thru out and all frags </= 1cm except one 5cm frag @ 55.95m w/ apparent alt'n rim</p> <p>slight inc., in jasperoid frags to 3%</p> <p>@58.00m - 10cm band of FP(?) w/ 40% plag crysts up to 5mm</p> <p>unit devoid of veining except @ 52.75 as low angle qtz+chl/tm vnlt</p> <p>trace py</p> <p>lower contact sharp</p>
TM-21-115	58.55	60.40	TUF	<p>highly mixed between black aphanitic band (sed?), xtl vol'c as dk grey matrix w/ 10-15% anhedral mm plag crysts and vol'c bx</p> <p>@59.20m - patchy qtz infill proximal to grey/white mixed qtz vnlt in black band</p> <p>@60.00m - possible fuchsite</p> <p>>5% py - best developed in black bands as vfgr</p> <p>Au zone??</p>
TM-21-115	60.40	94.50	BRX	<p>similar to above vol'c bx units - pale greenish grey colour is absent</p> <p>rare frags > 1cm</p> <p>rare distinctive green frags (i.e 79.25m)</p> <p>@71.40m - 5cm black band similar to above unit</p> <p>@82.70m - 15cm width of sub// black stringers</p> <p>@90.00m - 25cm width of possible sed but doubtful due to anastomosing texture</p> <p>lower contact sharp</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-115

Nad 83, UTM Zone 16

Easting (m)	299933.00	Elevation (m)	390.00
Northing (m)	5377882.00	Azimuth(m)	318.00
E.O.H. (m)	131.00	dip (m)	-60.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date: September 8, 2021

TM-21-115	94.50	98.60	TUF	dull grey, msv to locally bedded, vfgr/fgr fgr, anhedral plag crystals within vfgr matrix local graded bedding at lower 40cm suggests younging is dh no veining trace vfgr diss py lower contact sharp
TM-21-115	98.60	100.80	BRX	similar to above vol'c bx units - upper & lower 30cm of unit w/ mod/high angle qtz vnlt + infill +/- chl and local ser alt'n w/ ~1% py the two 30cm zones may return anomalous Au
TM-21-115	100.80	107.65	TUF	somewhat similar to 94.50-98.60m but more fgr esp., in upper 2m and lacks any type of bedding upper half pale/dk greenish grey then very gradational to dull brownish grey @101.30-102.60m - possible patchy ser alt'n lower 1m appears to be intercalated w/ trachyte but very diffuse 2% qtz vnlt/stringers trace py
TM-21-115	107.65	116.80	TRC	variable between med grey to mostly reddish brown from hem staining at variable tenor lenticular plag crystals variable from locally aligned to mostly felted texture middle 2m is more hyp/intrusive mdgr texture @109.90m - qtz infill w/ bx'd w.r @112.90m - 7cm mafic dyke (?) @116.25m - ser alt'd hexagonal to lenticular euhedral xtls up to 3mm 2% qtz vnlt/stringers - mostly in upper 2m trace py



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-115

Nad 83, UTM Zone 16

Easting (m)	299933.00		Elevation (m)	390.00
Northing (m)	5377882.00		Azimuth(m)	318.00
E.O.H. (m)	131.00		dip (m)	-60.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date:September 8, 2021

TM-21-115	116.80	131.00	VOL		upper 5m mostly as fgr vol'c underlain by msv mafic/int flows w/ local narrow vol'c intercepts (i.e 129.20m) unalt'd 2% qtz vnlts/stringers @128.70m - 10cm of qtz infill w/ bx'd w.r local trace py fairly boring unit so will probably run >1 g/t Au over 10m!!!



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-116

Nad 83, UTM Zone 16

Easting (m)	299933.00	Elevation (m)	390.00
Northing (m)	5377882.00	Azimuth(m)	210.00
E.O.H. (m)	176.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date:September 10, 2021

TM-21-116	0.00	14.80	OVB		no return
TM-21-116	14.80	16.30	OVB		boulders
TM-21-116	16.30	18.75	BRX		<p>somewhat similar to vol'c bx at top of TM-21-115 but frags >5mm are <5% of unit dull grey fgr/vfgr matrix w/ 15% anhedral <= 2mm plag crystals @16.45m - qtz vnlt w/hem staining @17.80m - low angle lite brown alt'n 10cm wide w/ ~5% py 1% qtz vnlt 2% py - diss, vfgr/fgr and as described above</p>
TM-21-116	18.75	20.00	VOL		<p>med/dk grey matrix w/ 10-15% as rounded ~5mm vesicles filled w/ mostly calcite matrix is wkly/mod calc alt'd thru out 3% py - diss vfgr/fgr - where fgr py is usually subhedral</p>
TM-21-116	20.00	32.80	TUF		<p>similar to 16.30-18.75m but colour of matrix more variable from dk grey to dull grey to greenish grey (ser alt'n?) @20.00-21.00m - patchy ser alt'n x-cut by low angle chl +/- qtz stringers and lower 30cm is vfgr black intercept w/ 3% diss vfgr py @31.25-32.00m - low angle milky white qtz +/- wk ca vein zone w/ chl/tm as selvages and infill w/ local patchy py and rare vuggy calcite w/ euhedral xtl growth 1% py - trace diss py plus as described above</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-116

Nad 83, UTM Zone 16

Easting (m)	299933.00	Elevation (m)	390.00
Northing (m)	5377882.00	Azimuth(m)	210.00
E.O.H. (m)	176.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date:September 10, 2021

TM-21-116	32.80	61.10	BRX	<p>basically same as vol'c bx units described in TM-21-115</p> <p>15-25% frags - mostly subangular to local subrounded and polymictic; red jasperoid/green fuchsitic/pale lite green chert/greenish grey vol'c/lite grey FP</p> <p>@37.70-41.00m - local coarse (~10cm) FP frags are mostly subangular - distinguished by lite colour compared to dk grey matrix also w/ subhedral plag - confusing texture</p> <p>@39.50-40.60m - appears to be a seperate FP w/ dk grey matrix and mm scale plag crystals but no coarse frags</p> <p>@44.00-44.40m - note polymictic aphanitic coarse subangular to subrounded frags - one jasperoid frag exhibits py infill (44.05m)</p> <p>@47.40m - 4cm rounded py nodule</p> <p>@48.10m - coarse FP frag</p> <p>@55.20m - complex coarse chl(?) alt'd frag</p> <p>most of unit devoid of veining above 52.80m - below is 2% qtz vnltls/infill and usually irregular ranging from vitreous smoky grey to milky white</p> <p>py - trace locally diss</p>
TM-21-116	61.10	68.15	HYP	<p>msv, greyish brown, fgr/mdgr</p> <p>homogeneous texture mostly thru out except where slightly more mdgr and speckled greenish grey (ser alt'n ?)</p> <p>matrix wkly calcic thru out</p> <p>@64.20m - >10cm rounded frag - distinctive lite pale green, aphanitic except for chl grains proximal to boundary</p> <p>veining is absent</p> <p>trace py</p> <p>lower contact sharp</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-116

Nad 83, UTM Zone 16

Easting (m)	299933.00	Elevation (m)	390.00
Northing (m)	5377882.00	Azimuth(m)	210.00
E.O.H. (m)	176.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date:September 10, 2021

TM-21-116	68.15	93.10	BRX	<p>similar to above vol'c bx units slight inc in jasperoid frags @68.30m - 25cm wide intercept w/ 2 low angle qtz vnlt with 7% py within bands of w.d chl @70.00m - 30cm of pale lite greenish grey mdgr hyp(?) @73.50 & 74.50 & 80.80m - low angle qtz vnlt w/ internal // stringers of chl - barren of py @87.00-90.50m - local coarse FP(?) frags w/ patchy/spotty chl alt'n 2% qtz vnlt <1% py - trace diss and as described above</p>
TM-21-116	93.10	110.75	BRX	<p>bx as above BUT frag compositions highly variable as outlined below; @93.10-101.60m - typical polymictic but now including syenite @101.60-107.00m - coarse angular frags up to 10cm are >90% as syenite - but note at 105.50-105.50m - is it a very large frag or injection @107.00-109.75m - typical polymictic but now including syenite @109.75-110.75m - coarse angular frags up to 10cm >90% as syenite 2% qtz vnlt trace diss py at best</p>
TM-21-116	110.75	118.75	BRX	<p>similar to above vol'c bx's except 93.10-110.75m and fairly uniform <1-2cm and generally rounded frags are better described as nodules composed of qtz+ser w/ many exhibiting alt'n rims ~3% as angular <1cm jasperoid frags and locally they appear to x-cut rounded qtz-ser nodules 1% qtz vnlt trace diss py</p>



Thunder Gold Corp.

Tower Mountain Gold Project

TM-21-116

Nad 83, UTM Zone 16

Easting (m)	299933.00	Elevation (m)	390.00
Northing (m)	5377882.00	Azimuth(m)	210.00
E.O.H. (m)	176.00	dip (m)	-50.00

Drilling Company Berube Repairs

Logged by Brett LaPeare

Date:September 10, 2021

TM-21-116	118.75	168.60	VOL	<p>highly variable and complex textures most consistent texture is fgr/vfgr dk green regional sub-greenschist chl alt'n the dk grey texture is commonly overprinted by patchy to semi-pervasive pale lite grey ser alt'n - excellent example @ 125.50-127.25m ser alt'n is commonly x-cut by wispy brown stringers dominated by vfgr py w/ a good examples @ 128.50-129.50m and @133.70 - 135.70m - also exhibits py stringers and py assoc., w/ ca infill @135.70-140.40m - appears to be a matrix supported h'T bx w/ dk grey angular coarse frags and exhibits local high angle py vnlt/bands (i.e. 139.25m) - py also common in dk grey frags below the bx textures becomes even more variable ranging from what can only be called 'leopard rock' to local bx'n similar to above to more fk grey msv intercepts that may be vesicular overall calcic alt'n is highly variable ranging from absent-wk-mod but no correlation w/ various textures described above i.e some local leopard units exhibit mod calcic alt'n while other leopard intercepts it's absent to very wk the 'leopard' texture may be alt'd gabbroic dykes but if so then primary gabbro texture has been completely destroyed 3% ca +/- qtz vnlt overall but locally up to 5-7% py % is variable thru out ranging from <2 to 7% - overall is ~4% and occurs in all sub-types as diss vfgr to local 'buckshot' style as fgr subhedral to stringers/vnlt +/- brown alt'n to localized in bx frags</p>
TM-21-116	168.60	170.00	SHZ	<p>at 30-45 deg w/ local black bands 5-10cm wide but mostly infilled w/ qtz +/- ca w/ wispy py and local sub//chl/tm stringers</p>
TM-21-116	170.00	176.00	VOL	<p>similar to bx @ 135.70-140.40m but dec., in py to ~ 2%</p>

Logging codes

Lithology		Alteration/Veining		Mineralization		Intensity		Core Ori	
OVB	overburden	se	sericite	py	pyrite	tr	trace	vn	vein
MAF	mafic	si	silification	cp	chalcopyrite	wk	weak	cn	contact
INT	intermediate	fc	Fe carb	bn	bornite	md	medium	fr	fracture
FEL	felsic	kp	K spar	po	pyrrhotite	st	strong	sh	shear
ITR	intrusive	ab	albite	mo	molybdenite	pv	pervasive	af	alt'n front
SYN	syenite	ch	chlorite	ga	galena	ds	disseminated	bd	bedding
MNZ	monzonite	hm	hematite	sp	sphalerite			fo	foliation
GAB	gabbro	mt	magnetite	as	arsenopyrite				
DIO	diorite	ep	epidote						
VOL	volcanic	tm	tourmaline						
UDF	undifferenated	bi	biotite						
AND	andesite	fu	fuchsite						
LAT	latite	qz	quartz						
FLW	flow	ca	calcite						
TUF	tuff	fl	fluorite						
FRG	fragmental	cy	clay						
BRX	breccia								
XTL	crystal								
LAP	lapilli								
LTH	lithic								
POR	porphyritic								
TRC	trachytic								
CNG	conglomerate								
PMC	polymictic								
HTL	hydrothermal								
FTZ	fault zone								
SHZ	shear zone								
DIA	DIABASE								
TMIC	Thunder Mountain Intrusive complex								

APPENDIX V ASSAY CERTIFICATES



Report No.: A21-13504
Report Date: 16-Aug-21
Date Submitted: 16-Jul-21
Your Reference:

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

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

136 Core samples were submitted for analysis.

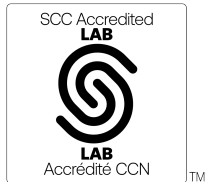
Table with 3 columns: Analytical package(s) requested, Testing Date, and details for samples 1A2-Tbay and 1A3-Tbay.

REPORT A21-13504

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



LabID: 673

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
393836	214	
393837	107	
393838	79	
393839	507	
393840	< 5	
393841	691	
393842	143	
393843	109	
393844	76	
393845	148	
393846	35	
393847	43	
393848	64	
393849	149	
393850	159	
393851	39	
393852	235	
393853	149	
393854	84	
393855	92	
393856	259	
393857	1300	
393858	117	
393859	42	
393860	3850	
393861	40	
393862	24	
393863	29	
393864	26	
393865	67	
393866	48	
393867	40	
393868	72	
393869	58	
393870	230	
393871	253	
393872	277	
393873	340	
393874	124	
393875	244	
393876	383	
393877	268	
393878	117	
393879	65	
393880	< 5	
393881	86	
393882	407	
393883	299	
393884	225	
393885	134	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
393886	336	
393887	137	
393888	48	
393889	48	
393890	46	
393891	50	
393892	37	
393893	38	
393894	28	
393895	30	
393896	22	
393897	24	
393898	25	
393899	48	
393900	3840	
393901	26	
393902	30	
393903	16	
393904	70	
393905	350	
393906	170	
393907	53	
393908	140	
393909	68	
393910	59	
393911	34	
393912	80	
393913	619	
393914	176	
393915	65	
393916	26	
393917	16	
393918	33	
393919	17	
393920	< 5	
393921	8	
393922	62	
393923	23	
393924	29	
393925	31	
393926	41	
393927	31	
393928	63	
393929	110	
393930	494	
393931	644	
393932	372	
393933	220	
393934	80	
393935	75	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
393936	119	
393937	79	
393938	62	
393939	17	
393940	> 5000	8.63
393941	143	
393942	334	
393943	163	
393944	144	
393945	13	
393946	6	
393947	14	
393948	162	
393949	44	
393950	119	
393951	186	
393952	92	
393953	195	
393954	77	
393955	125	
393956	318	
393957	39	
393958	70	
393959	79	
393960	< 5	
393961	62	
393962	62	
393963	74	
393964	158	
393965	169	
393966	60	
393967	76	
393968	152	
393969	210	
393970	135	
393971	311	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.1
OREAS 229b (Fire Assay) Cert		11.9
Oreas 237 (Fire Assay) Meas	2300	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2300	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2230	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2250	
Oreas 237 (Fire Assay) Cert	2210	
OREAS 257b (Fire Assay) Meas		14.4
OREAS 257b (Fire Assay) Cert		14.2
Oreas E1336 (Fire Assay) Meas	528	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	525	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	517	
Oreas E1336 (Fire Assay) Cert	510	
393844 Orig	76	
393844 Dup	76	
393854 Orig	84	
393854 Dup	83	
393858 Orig	117	
393858 Dup	116	
393879 Orig	67	
393879 Dup	62	
393885 Orig	134	
393885 Split PREP DUP	152	
393888 Orig	48	
393888 Dup	48	
393892 Orig	36	
393892 Dup	37	
393913 Orig	634	
393913 Dup	604	
393923 Orig	22	
393923 Dup	23	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
393927 Orig	31	
393927 Dup	31	
393935 Orig	75	
393935 Split PREP DUP	72	
393947 Orig	15	
393947 Dup	12	
393957 Orig	38	
393957 Dup	40	
393961 Orig	63	
393961 Dup	61	
393971 Orig	311	
393971 Split PREP DUP	288	
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		< 0.03



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

Report No.: A21-13621
 Report Date: 16-Aug-21
 Date Submitted: 19-Jul-21
 Your Reference: Shebandowan

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

136 Core samples were submitted for analysis.

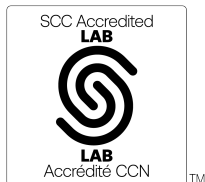
The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-08-13 15:22:04
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-08-16 13:23:53

REPORT **A21-13621**

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Notes:

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



LabID: 673

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
393972	29	
393973	28	
393974	40	
393975	43	
393976	29	
393977	20	
393978	22	
393979	30	
393980	1130	
393981	41	
393982	49	
393983	63	
393984	303	
393985	661	
393986	1140	
393987	77	
393988	482	
393989	3220	
393990	> 5000	19.9
393991	196	
393992	141	
393993	166	
393994	172	
393995	256	
393996	360	
393997	376	
393998	266	
393999	131	
394000	< 5	
391001	95	
391002	574	
391003	203	
391004	513	
391005	2760	
391006	3960	
391007	3540	
391008	1160	
391009	626	
391010	204	
391011	705	
391012	549	
391013	148	
391014	149	
391015	184	
391016	105	
391017	145	
391018	134	
391019	668	
391020	4180	
391021	246	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
391022	229	
391023	152	
391024	283	
391025	102	
391026	195	
391027	210	
391028	165	
391029	710	
391030	641	
391031	195	
391032	1350	
391033	182	
391034	154	
391035	1870	
391036	3010	
391037	4990	
391038	4180	
391039	4280	
391040	< 5	
391041	4760	
391042	423	
391043	472	
391044	329	
391045	123	
391046	442	
391047	23	
391048	20	
391049	43	
391050	62	
391051	43	
391052	51	
391053	56	
391054	90	
391055	193	
391056	95	
391057	173	
391058	42	
391059	86	
391060	4010	
391061	67	
391062	196	
391063	46	
391064	183	
391065	90	
391066	94	
391067	201	
391068	141	
391069	105	
391070	96	
391071	78	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
391072	100	
391073	105	
391074	179	
391075	83	
391076	90	
391077	68	
391078	49	
391079	41	
391080	< 5	
391081	129	
391082	126	
391083	121	
391084	31	
391085	17	
391086	42	
391087	48	
391088	53	
391089	74	
391090	42	
391091	19	
391092	31	
391093	82	
391094	884	
391095	106	
391096	53	
391097	133	
391098	102	
391099	82	
391100	1180	
391101	21	
391102	40	
391103	178	
391104	46	
391105	52	
391106	708	
391107	603	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.0
OREAS 229b (Fire Assay) Cert		11.9
Oreas 237 (Fire Assay) Meas	2270	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2210	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2270	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2260	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2270	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2270	
Oreas 237 (Fire Assay) Cert	2210	
OREAS 257b (Fire Assay) Meas		14.3
OREAS 257b (Fire Assay) Cert		14.2
Oreas E1336 (Fire Assay) Meas	512	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	522	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	512	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	518	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	512	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	511	
Oreas E1336 (Fire Assay) Cert	510	
393979 Orig	30	



Report No.: A21-14282
 Report Date: 25-Aug-21
 Date Submitted: 28-Jul-21
 Your Reference:

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

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

181 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-08-22 07:17:25

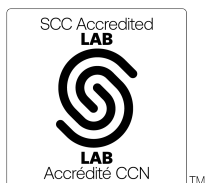
REPORT **A21-14282**

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Notes:

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

Footnote: Sample 391180 was Insufficient for further Analysis.



LabID: 673

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
391108	363
391109	513
391110	322
391111	1170
391112	620
391113	386
391114	100
391115	67
391116	81
391117	141
391118	194
391119	65
391120	< 5
391121	42
391122	21
391123	20
391124	13
391125	8
391126	7
391127	158
391128	37
391129	28
391130	34
391131	32
391132	28
391133	34
391134	34
391135	40
391136	61
391137	66
391138	73
391139	50
391140	1250
391141	44
391142	42
391143	74
391144	89
391145	62
391146	120
391147	72
391148	99
391149	328
391150	199
391151	761
391152	448
391153	379
391154	442
391155	244
391156	94
391157	81
391158	215

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
391159	104
391160	< 5
391161	442
391162	92
391163	847
391164	257
391165	196
391166	192
391167	72
391168	71
391169	162
391170	420
391171	88
391172	279
391173	589
391174	499
391175	151
391176	150
391177	194
391178	70
391179	96
391180	> 5000
391181	81
391182	316
391183	106
391184	46
391185	51
391186	193
391187	902
391188	390
391189	76
391190	476
391191	569
391192	111
391193	125
391194	237
391195	127
391196	307
391197	459
391198	51
391199	59
391200	< 5
391201	33
391202	24
391203	30
391204	28
391205	54
391206	43
391207	44
391208	51
391209	105

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
391210	261
391211	265
391212	53
391213	27
391214	20
391215	36
391216	39
391217	19
391218	15
391219	62
391220	1150
391221	206
391222	202
391223	98
391224	23
391225	24
391226	26
391227	15
391228	16
391229	28
391230	71
391231	122
391232	151
391233	80
391234	77
391235	40
391236	80
391237	77
391238	234
391239	100
391240	< 5
391241	89
391242	66
391243	92
391244	123
391245	199
391246	86
391247	130
391248	135
391249	98
391250	203
391251	110
391252	52
391253	78
391254	57
391255	44
391256	67
391257	91
391258	312
391259	123
391260	4080

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
391261	132
391262	177
391263	88
391264	67
391265	206
391266	164
391267	119
391268	341
391269	121
391270	266
391271	252
391272	236
391273	273
391274	204
391275	286
391276	282
391277	217
391278	596
391279	239
391280	< 5
391281	186
391282	228
391283	637
391284	191
391285	200
391286	403
391287	211
391288	228

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Oreas 237 (Fire Assay) Meas	2220
Oreas 237 (Fire Assay) Cert	2210
Oreas 237 (Fire Assay) Meas	2170
Oreas 237 (Fire Assay) Cert	2210
Oreas 237 (Fire Assay) Meas	2210
Oreas 237 (Fire Assay) Cert	2210
Oreas 237 (Fire Assay) Meas	2200
Oreas 237 (Fire Assay) Cert	2210
Oreas 237 (Fire Assay) Meas	2130
Oreas 237 (Fire Assay) Cert	2210
Oreas 237 (Fire Assay) Meas	2210
Oreas 237 (Fire Assay) Cert	2210
Oreas E1336 (Fire Assay) Meas	509
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	507
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	502
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	500
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	510
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	516
Oreas E1336 (Fire Assay) Cert	510
391116 Orig	80
391116 Dup	81
391126 Orig	7
391126 Dup	7
391130 Orig	34
391130 Dup	33
391151 Orig	744
391151 Dup	778
391157 Orig	81

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
391157 Split PREP DUP	75
391160 Orig	< 5
391160 Dup	< 5
391164 Orig	249
391164 Dup	264
391185 Orig	53
391185 Dup	49
391195 Orig	127
391195 Dup	127
391199 Orig	57
391199 Dup	61
391207 Orig	44
391207 Split PREP DUP	38
391219 Orig	64
391219 Dup	59
391229 Orig	29
391229 Dup	27
391233 Orig	79
391233 Dup	81
391254 Orig	56
391254 Dup	58
391257 Orig	91
391257 Split PREP DUP	95
391263 Orig	89
391263 Dup	87
391267 Orig	119
391267 Dup	119
391288 Orig	228
391288 Split PREP DUP	229
391288 Orig	229
391288 Dup	227
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



Report No.: A21-14213
Report Date: 16-Aug-21
Date Submitted: 27-Jul-21
Your Reference:

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

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

91 Core samples were submitted for analysis.

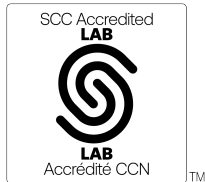
Table with 3 columns: Analytical package requested, Description, and Testing Date. Rows include 1A2-Tbay, 1A3-Tbay with details on QOP AA-Au assays.

REPORT A21-14213

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Notes:

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



LabID: 673

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

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
391289	232	
391290	77	
391291	78	
391292	128	
391293	145	
391294	151	
391295	126	
391296	157	
391297	254	
391298	250	
391299	42	
391300	1230	
391301	73	
391302	168	
391303	176	
391304	93	
391305	47	
391306	45	
391307	47	
391308	176	
391309	138	
391310	152	
391311	147	
391312	139	
391313	46	
391314	116	
391315	589	
391316	517	
391317	214	
391318	3900	
391319	448	
391320	< 5	
391321	153	
391322	98	
391323	256	
391324	432	
391325	215	
391326	218	
391327	64	
391328	68	
391329	100	
391330	51	
391331	69	
391332	114	
391333	107	
391334	526	
391335	273	
391336	258	
391337	104	
391338	44	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
391339	33	
391340	> 5000	8.24
391341	38	
391342	27	
391343	46	
391344	28	
391345	44	
391346	57	
391347	67	
391348	84	
391349	73	
391350	77	
391351	61	
391352	74	
391353	96	
391354	34	
391355	34	
391356	41	
391357	46	
391358	96	
391359	105	
391360	< 5	
391361	45	
391362	92	
391363	78	
391364	135	
391365	88	
391366	88	
391367	73	
391368	135	
391369	348	
391370	176	
391371	69	
391372	124	
391373	388	
391374	162	
391375	185	
391376	314	
391377	526	
391378	185	
391379	262	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.0
OREAS 229b (Fire Assay) Cert		11.9
Oreas 237 (Fire Assay) Meas	2300	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2240	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2280	
Oreas 237 (Fire Assay) Cert	2210	
OREAS 257b (Fire Assay) Meas		14.3
OREAS 257b (Fire Assay) Cert		14.2
Oreas E1336 (Fire Assay) Meas	520	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	523	
Oreas E1336 (Fire Assay) Cert	510	
391298 Orig	258	
391298 Dup	241	
391308 Orig	173	
391308 Dup	179	
391318 Orig	3780	
391318 Dup	4010	
391333 Orig	108	
391333 Dup	106	
391338 Orig	44	
391338 Split PREP DUP	44	
391342 Orig	27	
391342 Dup	27	
391352 Orig	75	
391352 Dup	73	
391367 Orig	73	
391367 Dup	73	
391377 Orig	500	
391377 Dup	551	
391379 Orig	262	
391379 Split PREP DUP	334	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
Method Blank	< 5	
Method Blank	5	
Method Blank		< 0.03



Report No.: A21-14561
Report Date: 13-Aug-21
Date Submitted: 03-Aug-21
Your Reference:

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

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

102 Core samples were submitted for analysis.

Table with 3 columns: Analytical package requested, Test description, and Testing Date. Rows include 1A2-Tbay, 1A3-Tbay with their respective test types and dates.

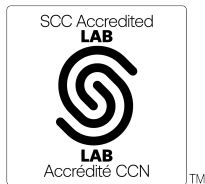
REPORT A21-14561

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Notes:

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

Footnote: Sample 391420 was insufficient for further analysis



LabID: 673

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

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
391380	4110	
391381	31	
391382	55	
391383	162	
391384	192	
391385	247	
391386	52	
391387	54	
391388	190	
391389	120	
391390	144	
391391	299	
391392	200	
391393	168	
391394	161	
391395	57	
391396	78	
391397	60	
391398	70	
391399	38	
391400	< 5	
391401	38	
391402	43	
391403	46	
391404	32	
391405	66	
391406	80	
391407	173	
391408	165	
391409	234	
391410	298	
391411	241	
391412	569	
391413	302	
391414	261	
391415	50	
391416	247	
391417	257	
391418	54	
391419	31	
391420	> 5000	
391421	39	
391422	26	
391423	35	
391424	33	
391425	38	
391426	51	
391427	41	
391428	34	
391429	423	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
391430	124	
391431	104	
391432	105	
391433	131	
391434	498	
391435	256	
391436	889	
391437	883	
391438	737	
391439	69	
391440	< 5	
391441	102	
391442	445	
391443	208	
391444	499	
391445	484	
391446	454	
391447	61	
391448	65	
391449	362	
391450	265	
391451	1550	
391452	482	
391453	672	
391454	1810	
391455	3290	
391456	2800	
391457	519	
391458	332	
391459	91	
391460	> 5000	7.86
391461	51	
391462	467	
391463	374	
391464	62	
391465	54	
391466	171	
391467	410	
391468	43	
391469	47	
391470	90	
391471	52	
391472	33	
391473	33	
391474	49	
391475	24	
391476	28	
391477	33	
391478	39	
391479	43	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
391480	< 5	
391481	68	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.2
OREAS 229b (Fire Assay) Cert		11.9
Oreas 237 (Fire Assay) Meas	2210	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2210	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2230	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2180	
Oreas 237 (Fire Assay) Cert	2210	
Oreas E1336 (Fire Assay) Meas	514	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	518	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	517	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	510	
Oreas E1336 (Fire Assay) Cert	510	
391388 Orig	189	
391388 Dup	190	
391398 Orig	71	
391398 Dup	68	
391402 Orig	44	
391402 Dup	42	
391423 Orig	35	
391423 Dup	35	
391429 Orig	423	
391429 Split PREP DUP	424	
391432 Orig	104	
391432 Dup	106	
391436 Orig	839	
391436 Dup	939	
391457 Orig	500	
391457 Dup	538	
391467 Orig	412	
391467 Dup	407	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
391471 Orig	52	
391471 Dup	51	
391479 Orig	43	
391479 Split PREP DUP	51	
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		< 0.03



Report No.: A21-14666
Report Date: 16-Aug-21
Date Submitted: 04-Aug-21
Your Reference:

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

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

58 Core samples were submitted for analysis.

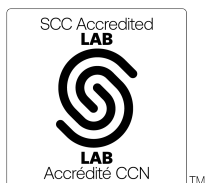
Table with 2 columns: Analytical package(s) requested, Testing Date. Row 1: 1A2-Tbay, QOP AA-Au (Au - Fire Assay AA), 2021-08-15 14:45:42

REPORT A21-14666

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Notes:

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



LabID: 673

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

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
391482	1310
391483	106
391484	65
391485	18
391486	20
391487	27
391488	86
391489	50
391490	73
391491	140
391492	73
391493	440
391494	73
391495	50
391496	15
391497	106
391498	55
391499	36
391500	1240
391501	33
391502	24
391503	20
391504	1010
391505	38
391506	39
391507	306
391508	276
391509	117
391510	381
391511	70
391512	72
391513	122
391514	36
391515	42
391516	24
391517	49
391518	42
391519	62
391520	< 5
391521	65
391522	52
391523	96
391524	50
391525	35
391526	40
391527	58
391528	39
391529	26
391530	20
391531	26
391532	145

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
391533	97
391534	75
391535	113
391536	45
391537	65
391538	77
391539	28

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Oreas 237 (Fire Assay) Meas	2260
Oreas 237 (Fire Assay) Cert	2210
Oreas 237 (Fire Assay) Meas	2320
Oreas 237 (Fire Assay) Cert	2210
Oreas E1336 (Fire Assay) Meas	528
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	526
Oreas E1336 (Fire Assay) Cert	510
391490 Orig	73
391490 Dup	72
391501 Orig	34
391501 Dup	32
391504 Orig	958
391504 Dup	1060
391525 Orig	35
391525 Dup	35
391531 Orig	26
391531 Split PREP DUP	25
391534 Orig	72
391534 Dup	78
391538 Orig	90
391538 Dup	64
391539 Orig	28
391539 Split PREP DUP	30
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



Report No.: A21-14960
Report Date: 26-Aug-21
Date Submitted: 10-Aug-21
Your Reference:

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

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

152 Core samples were submitted for analysis.

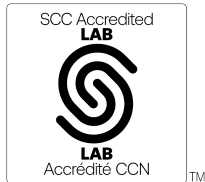
Table with 3 columns: Analytical package requested, Description, and Testing Date. Rows include 1A2-Tbay, 1A3-Tbay with their respective descriptions and testing dates.

REPORT A21-14960

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Notes:

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



LabID: 673

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

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
391540	3850	
391541	25	
391542	24	
391543	34	
391544	78	
391545	44	
391546	34	
391547	97	
391548	229	
391549	56	
391550	40	
391551	53	
391552	127	
391553	287	
391554	517	
391555	39	
391556	17	
391557	22	
391558	< 5	
391559	150	
391560	< 5	
391561	64	
391562	< 5	
391563	39	
391564	202	
391565	367	
391566	235	
391567	145	
391568	566	
391569	105	
391570	80	
391571	193	
391572	52	
391573	66	
391574	85	
391575	133	
391576	45	
391577	184	
391578	725	
391579	1160	
391580	4020	
391581	765	
391582	679	
391583	119	
391584	242	
391585	129	
391586	222	
391587	160	
391588	156	
391589	584	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
391590	776	
391591	345	
391592	253	
391593	577	
391594	673	
391595	534	
391596	310	
391597	104	
391598	99	
391599	48	
391600	< 5	
391601	48	
391602	83	
391603	199	
391604	38	
391605	344	
391606	378	
391607	138	
391608	363	
391609	534	
391610	659	
391611	500	
391612	1020	
391613	84	
391614	140	
391615	331	
391616	385	
391617	306	
391618	88	
391619	191	
391620	1230	
391621	553	
391622	270	
391623	296	
391624	4710	
391625	158	
391626	140	
391627	242	
391628	132	
391629	152	
391630	160	
391631	498	
391632	43	
391633	136	
391634	193	
391635	101	
391636	144	
391637	200	
391638	282	
391639	223	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
391640	< 5	
391641	112	
391642	193	
391643	306	
391644	226	
391645	82	
391646	417	
391647	476	
391648	213	
391649	98	
391650	125	
391651	422	
391652	290	
391653	66	
391654	253	
391655	361	
391656	224	
391657	333	
391658	110	
391659	88	
391660	> 5000	8.28
391661	179	
391662	199	
391663	168	
391664	174	
391665	407	
391666	147	
391667	1150	
391668	391	
391669	504	
391670	510	
391671	492	
391672	< 5	
391673	224	
391674	180	
391675	1170	
391676	762	
391677	572	
391678	589	
391679	2200	
391680	6	
391681	1270	
391682	1220	
391683	133	
391684	165	
391685	94	
391686	356	
391687	69	
391688	156	
391689	210	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
391690	112	
391691	470	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.2
OREAS 229b (Fire Assay) Cert		11.9
Oreas 237 (Fire Assay) Meas	2240	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2220	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2280	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2250	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2250	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2270	
Oreas 237 (Fire Assay) Cert	2210	
Oreas E1336 (Fire Assay) Meas	513	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	526	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	523	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	523	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	524	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	512	
Oreas E1336 (Fire Assay) Cert	510	
391548 Orig	224	
391548 Dup	233	
391558 Orig	< 5	
391558 Dup	< 5	
391562 Orig	< 5	



Report No.: A21-15386
Report Date: 03-Sep-21
Date Submitted: 16-Aug-21
Your Reference:

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

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

158 Core samples were submitted for analysis.

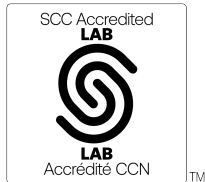
Table with 3 columns: Analytical package(s) requested, Testing Date, and details for 1A2-Tbay and 1A3-Tbay.

REPORT A21-15386

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Notes:

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



LabID: 673

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

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
391692	88	
391693	62	
391694	124	
391695	136	
391696	89	
391697	25	
391698	46	
391699	43	
391700	3760	
391701	39	
391702	124	
391703	196	
391704	115	
391705	239	
391706	189	
391707	181	
391708	134	
391709	119	
391710	97	
391711	104	
391712	33	
391713	135	
391714	109	
391715	76	
391716	442	
391717	111	
391718	90	
391719	68	
391720	< 5	
391721	39	
391722	69	
391723	21	
391724	20	
391725	48	
391726	46	
391727	100	
391728	17	
391729	8	
391730	39	
391731	70	
391732	26	
391733	56	
391734	73	
391735	909	
391736	106	
391737	305	
391738	417	
391739	393	
391740	3980	
391741	404	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
391742	327	
391743	104	
391744	490	
391745	2070	
391746	977	
391747	316	
391748	505	
391749	1380	
391750	449	
391751	169	
391752	31	
391753	31	
391754	30	
391755	210	
391756	63	
391757	82	
391758	72	
391759	167	
391760	< 5	
391761	27	
391762	60	
391763	90	
391764	278	
391765	3830	
391766	588	
391767	33	
391768	67	
391769	46	
391770	26	
391771	24	
391772	20	
391773	45	
391774	19	
391775	62	
391776	79	
391777	100	
391778	43	
391779	31	
391780	> 5000	8.14
391781	86	
391782	48	
391783	46	
391784	128	
391785	163	
391786	204	
391787	121	
391788	166	
391789	109	
391790	52	
391791	1260	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
391792	361	
391793	47	
391794	141	
391795	131	
391796	100	
391797	68	
391798	20	
391799	30	
391800	< 5	
391801	71	
391802	228	
391803	457	
391804	45	
391805	73	
391806	204	
391807	102	
391808	66	
391809	1060	
391810	532	
391811	305	
391812	267	
391813	73	
391814	125	
391815	319	
391816	105	
391817	157	
391818	470	
391819	581	
391820	1250	
391821	503	
391822	993	
391823	1120	
391824	3700	
391825	> 5000	5.55
391826	517	
391827	856	
391828	1050	
391829	233	
391830	203	
391831	790	
391832	279	
391833	360	
391834	386	
391835	340	
391836	326	
391837	149	
391838	775	
391839	2110	
391840	< 5	
391841	4010	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
391842	690	
391843	413	
391844	1600	
391845	2320	
391846	1400	
391847	660	
391848	2880	
391849	1330	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.0
OREAS 229b (Fire Assay) Cert		11.9
Oreas 237 (Fire Assay) Meas	2270	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2210	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2230	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2210	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2240	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2260	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2270	
Oreas 237 (Fire Assay) Cert	2210	
OREAS 257b (Fire Assay) Meas		13.9
OREAS 257b (Fire Assay) Cert		14.2
Oreas E1336 (Fire Assay) Meas	492	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	518	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	517	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	518	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	524	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	513	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	513	
Oreas E1336 (Fire Assay) Cert	510	
391699 Orig	41	
391699 Dup	44	
391710 Orig	99	
391710 Dup	94	
391714 Orig	111	
391714 Dup	106	
391720 Orig	< 5	
391720 Dup	< 5	
391735 Orig	943	
391735 Dup	875	
391741 Orig	404	
391741 Split PREP DUP	474	
391744 Orig	513	
391744 Dup	467	
391748 Orig	515	
391748 Dup	494	
391769 Orig	44	
391769 Dup	48	
391779 Orig	32	
391779 Dup	30	
391783 Orig	42	
391783 Dup	49	
391791 Orig	1260	
391791 Split PREP DUP	1230	
391803 Orig	424	
391803 Dup	490	
391813 Orig	72	
391813 Dup	73	
391817 Orig	155	
391817 Dup	158	
391838 Orig	791	
391838 Dup	758	
391841 Orig	4010	
391841 Split PREP DUP	4340	
391841 Split PREP DUP	4340	
391847 Orig	673	
391847 Dup	646	
391849 Orig	1330	
391849 Split PREP DUP	1220	
Method Blank	< 5	
Method Blank	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.03
Method Blank	< 5	
Method Blank	< 5	



Report No.: A21-15922
Report Date: 31-Aug-21
Date Submitted: 20-Aug-21
Your Reference:

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

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

140 Core samples were submitted for analysis.

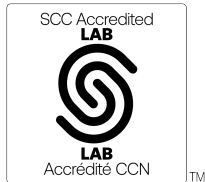
Table with 3 columns: Analytical package(s) requested, Testing Date, and details for samples 1A2-Tbay and 1A3-Tbay.

REPORT A21-15922

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Notes:

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



LabID: 673

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

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
391850	3660	
391851	127	
391852	267	
391853	449	
391854	305	
391855	200	
391856	222	
391857	268	
391858	181	
391859	88	
391860	1160	
391861	111	
391862	174	
391863	77	
391864	82	
391865	112	
391866	47	
391867	254	
391868	202	
391869	194	
391870	212	
391871	112	
391872	142	
391873	241	
391874	176	
391875	159	
391876	80	
391877	70	
391878	22	
391879	42	
391880	< 5	
391881	42	
391882	34	
391883	21	
391884	41	
391885	63	
391886	436	
391887	374	
391888	166	
391889	80	
391890	34	
391891	195	
391892	56	
391893	79	
391894	132	
391895	598	
391896	2690	
391897	59	
391898	35	
391899	30	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
391900	4230	
391901	76	
391902	13	
391903	45	
391904	79	
391905	26	
391906	33	
391907	47	
391908	114	
391909	172	
391910	16	
391911	14	
391912	41	
391913	19	
391914	20	
391915	17	
391916	< 5	
391917	25	
391918	< 5	
391919	78	
391920	< 5	
391921	24	
391922	35	
391923	36	
391924	111	
391925	387	
391926	234	
391927	97	
391928	63	
391929	67	
391930	32	
391931	154	
391932	87	
391933	327	
391934	167	
391935	472	
391936	337	
391937	354	
391938	176	
391939	338	
391940	> 5000	8.55
391941	271	
391942	553	
391943	53	
391944	29	
391945	18	
391946	71	
391947	716	
391948	2290	
391949	113	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
391950	600	
391951	3420	
391952	250	
391953	110	
391954	523	
391955	3120	
391956	1200	
391957	747	
391958	2120	
391959	636	
391960	< 5	
391961	1360	
391962	774	
391963	982	
391964	760	
391965	39	
391966	430	
391967	1100	
391968	783	
391969	122	
391970	177	
391971	719	
391972	150	
391973	909	
391974	535	
391975	167	
391976	662	
391977	276	
391978	312	
391979	72	
391980	> 5000	8.21
391981	1620	
391982	210	
391983	154	
391984	236	
391985	194	
391986	40	
391987	54	
391988	318	
391989	51	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		11.9
OREAS 229b (Fire Assay) Cert		11.9
Oreas 237 (Fire Assay) Meas	2240	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2180	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2310	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2300	
Oreas 237 (Fire Assay) Cert	2210	
OREAS 257b (Fire Assay) Meas		14.2
OREAS 257b (Fire Assay) Cert		14.2
Oreas E1336 (Fire Assay) Meas	521	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	510	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	524	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	521	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	513	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	521	
Oreas E1336 (Fire Assay) Cert	510	
391858 Orig	166	
391858 Dup	196	
391868 Orig	203	
391868 Dup	200	
391872 Orig	158	
391872 Dup	126	
391893 Orig	82	
391893 Dup	75	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
391899 Orig	30	
391899 Split PREP DUP	22	
391902 Orig	13	
391902 Dup	12	
391927 Orig	100	
391927 Dup	94	
391935 Orig	473	
391935 Dup	471	
391939 Orig	320	
391939 Dup	356	
391949 Orig	113	
391949 Split PREP DUP	111	
391961 Orig	1370	
391961 Dup	1350	
391978 Orig	284	
391978 Dup	340	
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		< 0.03



Report No.: A21-16073
Report Date: 08-Sep-21
Date Submitted: 24-Aug-21
Your Reference:

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

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

270 Core samples were submitted for analysis.

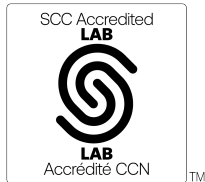
Table with 3 columns: Sample ID, Test Method, Testing Date. Rows include 1A2-Tbay, 1A3-50-Tbay and their respective test methods.

REPORT A21-16073

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Notes:

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



LabID: 673

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

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
391990	2780	
391991	616	
391992	1220	
391993	> 5000	5.16
391994	> 5000	11.4
391995	> 5000	7.11
391996	> 5000	10.2
391997	> 5000	10.0
391998	2020	
391999	2040	
392000	< 5	
392001	3120	
392002	1410	
392003	1690	
392004	1260	
392005	1740	
392006	1270	
392007	221	
392008	204	
392009	218	
392010	236	
392011	153	
392012	85	
392013	150	
392014	399	
392015	181	
392016	231	
392017	440	
392018	1730	
392019	683	
392020	1170	
392021	538	
392022	462	
392023	100	
392024	103	
392025	84	
392026	314	
392027	221	
392028	138	
392029	178	
392030	412	
392031	50	
392032	80	
392033	108	
392034	100	
392035	217	
392036	101	
392037	60	
392038	113	
392039	166	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
392040	5	
392041	264	
392042	145	
392043	96	
392044	275	
392045	44	
392046	22	
392047	26	
392048	23	
392049	15	
392050	25	
392051	10	
392052	20	
392053	21	
392054	20	
392055	20	
392056	14	
392057	12	
392058	18	
392059	27	
392060	1110	
392061	10	
392062	14	
392063	12	
392064	40	
392065	1010	
392066	389	
392067	52	
392068	14	
392069	55	
392070	40	
392071	178	
392072	170	
392073	189	
392074	20	
392075	43	
392076	114	
392077	232	
392078	902	
392079	475	
392080	< 5	
392081	72	
392082	81	
392083	86	
392084	24	
392085	68	
392086	101	
392087	22	
392088	40	
392089	23	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
392090	73	
392091	37	
392092	52	
392093	27	
392094	117	
392095	98	
392096	86	
392097	26	
392098	117	
392099	86	
392100	3930	
392101	110	
392102	422	
392103	65	
392104	22	
392105	25	
392106	75	
392107	38	
392108	256	
392109	50	
392110	106	
392111	112	
392112	56	
392113	42	
392114	13	
392115	18	
392116	5	
392117	7	
392118	12	
392119	16	
392120	< 5	
392121	6	
392122	6	
392123	< 5	
392124	5	
392125	7	
392126	12	
392127	6	
392128	6	
392129	< 5	
392130	11	
392131	< 5	
392132	16	
392133	16	
392134	23	
392135	20	
392136	5	
392137	9	
392138	8	
392139	10	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
392140	> 5000	8.04
392141	7	
392142	19	
392143	12	
392144	9	
392145	33	
392146	12	
392147	11	
392148	10	
392149	7	
392150	8	
392151	9	
392152	9	
392153	5	
392154	6	
392155	< 5	
392156	6	
392157	19	
392158	97	
392159	86	
392160	< 5	
392161	3840	
392162	77	
392163	104	
392164	120	
392165	192	
392166	312	
392167	136	
392168	387	
392169	573	
392170	281	
392171	286	
392172	27	
392173	54	
392174	39	
392175	109	
392176	87	
392177	92	
392178	36	
392179	31	
392180	4080	
392181	33	
392182	207	
392183	251	
392184	115	
392185	49	
392186	76	
392187	67	
392188	29	
392189	60	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
392190	60	
392191	21	
392192	300	
392193	11	
392194	27	
392195	14	
392196	12	
392197	20	
392198	18	
392199	25	
392200	< 5	
392201	22	
392202	67	
392203	130	
392204	509	
392205	68	
392206	17	
392207	12	
392208	12	
392209	20	
392210	7	
392211	20	
392212	25	
392213	75	
392214	40	
392215	30	
392216	146	
392217	30	
392218	36	
392219	47	
392220	1140	
392221	849	
392222	95	
392223	44	
392224	318	
392225	53	
392226	20	
392227	32	
392228	137	
392229	32	
392230	77	
392231	313	
392232	25	
392233	30	
392234	1860	
392235	82	
392236	91	
392237	115	
392238	90	
392239	36	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
392240	< 5	
392241	31	
392242	70	
392243	504	
392244	432	
392245	54	
392246	31	
392247	52	
392248	29	
392249	93	
392250	49	
392251	36	
392252	150	
392253	215	
392254	278	
392255	223	
392256	137	
392257	272	
392258	258	
392259	575	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.2
OREAS 229b (Fire Assay) Cert		11.9
Oreas 237 (Fire Assay) Meas	2290	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2290	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2260	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2290	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2220	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2260	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2240	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2270	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2270	
Oreas 237 (Fire Assay) Cert	2210	
OREAS 257b (Fire Assay) Meas		14.3
OREAS 257b (Fire Assay) Cert		14.2
Oreas E1336 (Fire Assay) Meas	518	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	520	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	523	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	517	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	513	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	512	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	517	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	518	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	513	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	492	
Oreas E1336 (Fire Assay) Cert	510	
391995 Orig		7.13
391995 Dup		7.10
391999 Orig	2070	
391999 Dup	2020	
392009 Orig	210	
392009 Dup	226	
392021 Orig	540	
392021 Dup	535	
392031 Orig	50	
392031 Dup	49	
392039 Orig	166	
392039 Split PREP DUP	169	
392042 Orig	150	
392042 Dup	140	
392055 Orig	20	
392055 Dup	20	
392068 Orig	12	
392068 Dup	15	
392078 Orig	912	
392078 Dup	892	
392089 Orig	23	
392089 Split PREP DUP	31	
392090 Orig	68	
392090 Dup	77	
392099 Orig	79	
392099 Dup	93	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
392111 Orig	112	
392111 Dup	111	
392124 Orig	5	
392124 Dup	5	
392137 Orig	10	
392137 Dup	8	
392139 Orig	10	
392139 Split PREP DUP	11	
392146 Orig	12	
392146 Dup	11	
392157 Orig	18	
392157 Dup	19	
392168 Orig	378	
392168 Dup	396	
392182 Orig	205	
392182 Dup	208	
392189 Orig	60	
392189 Split PREP DUP	54	
392192 Orig	306	
392192 Dup	294	
392198 Orig	18	
392198 Dup	17	
392205 Orig	67	
392205 Dup	68	
392215 Orig	29	
392215 Dup	30	
392226 Orig	19	
392226 Dup	20	
392237 Orig	116	
392237 Dup	113	
392239 Orig	36	
392239 Split PREP DUP	35	
392248 Orig	28	
392248 Dup	29	
392258 Orig	232	
392258 Dup	284	
392259 Orig	575	
392259 Split PREP DUP	494	
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	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
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		< 0.03
Method Blank		< 0.03



Report No.: A21-16286
 Report Date: 22-Sep-21
 Date Submitted: 27-Aug-21
 Your Reference:

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

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

119 Core samples were submitted for analysis.

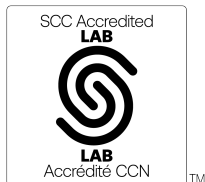
The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-09-20 19:30:02
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-09-22 13:07:49

REPORT A21-16286

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Notes:

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



LabID: 673

ACTIVATION LABORATORIES LTD.
 1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
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 E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
392260	3980	
392261	124	
392262	77	
392263	80	
392264	47	
392265	85	
392266	199	
392267	324	
392268	521	
392269	502	
392270	520	
392271	340	
392272	232	
392273	392	
392274	211	
392275	351	
392276	128	
392277	159	
392278	49	
392279	69	
392280	< 5	
392281	28	
392282	47	
392283	315	
392284	358	
392285	454	
392286	751	
392287	550	
392288	1740	
392289	276	
392290	161	
392291	64	
392292	251	
392293	60	
392294	67	
392295	50	
392296	105	
392297	58	
392298	226	
392299	115	
392300	> 5000	8.36
392301	108	
392302	133	
392303	59	
392304	123	
392305	33	
392306	23	
392307	119	
392308	124	
392309	39	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
392310	< 5	
392311	11	
392312	28	
392313	59	
392314	51	
392315	69	
392316	202	
392317	80	
392318	104	
392319	47	
392320	< 5	
392321	93	
392322	75	
392323	166	
392324	196	
392325	164	
392326	190	
392327	141	
392328	245	
392329	99	
392330	52	
392331	< 5	
392332	15	
392333	45	
392334	42	
392335	57	
392336	55	
392337	22	
392338	25	
392339	124	
392340	> 5000	8.06
392341	219	
392342	228	
392343	114	
392344	> 5000	6.58
392345	133	
392346	178	
392347	281	
392348	317	
392349	20	
392350	8	
392351	43	
392352	69	
392353	116	
392354	84	
392355	112	
392356	> 5000	7.85
392357	68	
392358	30	
392359	21	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
392360	< 5	
392361	25	
392362	< 5	
392363	< 5	
392364	< 5	
392365	15	
392366	76	
392367	22	
392368	11	
392369	15	
392370	11	
392371	15	
392372	24	
392373	17	
392374	19	
392375	58	
392376	49	
392377	29	
392378	27	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		11.7
OREAS 229b (Fire Assay) Cert		11.9
Oreas 237 (Fire Assay) Meas	2240	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2250	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2250	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2260	
Oreas 237 (Fire Assay) Cert	2210	
Oreas E1336 (Fire Assay) Meas	500	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	503	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	504	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	517	
Oreas E1336 (Fire Assay) Cert	510	
392268 Orig	521	
392278 Orig	52	
392278 Dup	46	
392282 Orig	46	
392282 Dup	48	
392303 Orig	60	
392303 Dup	58	
392309 Orig	39	
392309 Split PREP DUP	45	
392312 Orig	24	
392312 Dup	32	
392316 Orig	202	
392337 Orig	20	
392337 Dup	24	
392347 Orig	279	
392347 Dup	282	
392351 Orig	42	
392351 Dup	44	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
392356 Orig		7.85
392359 Orig	21	
392359 Split PREP DUP	17	
392371 Orig	15	
392371 Dup	15	
392378 Orig	27	
392378 Split PREP DUP	13	
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		< 0.03
Method Blank		< 0.03



Report No.: A21-16398
Report Date: 08-Sep-21
Date Submitted: 30-Aug-21
Your Reference:

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

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

99 Core samples were submitted for analysis.

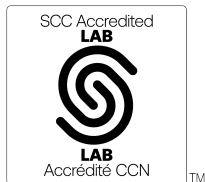
Table with 2 columns: Analytical package(s) requested, Testing Date. Row 1: 1A2-Tbay, QOP AA-Au (Au - Fire Assay AA), 2021-09-07 15:07:53

REPORT A21-16398

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Notes:

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



LabID: 673

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

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
392379	498
392380	4110
392381	1920
392382	301
392383	121
392384	539
392385	1350
392386	879
392387	163
392388	1100
392389	167
392390	648
392391	1290
392392	1050
392393	239
392394	929
392395	739
392396	988
392397	493
392398	604
392399	868
392400	< 5
392401	261
392402	458
392403	1500
392404	433
392405	238
392406	224
392407	951
392408	596
392409	893
392410	649
392411	1380
392412	1210
392413	1290
392414	108
392415	1100
392416	558
392417	210
392418	246
392419	93
392420	1200
392421	367
392422	256
392423	111
392424	530
392425	316
392426	138
392427	36
392428	39
392429	348

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
392430	118
392431	173
392432	9
392433	< 5
392434	< 5
392435	6
392436	9
392437	200
392438	179
392439	89
392440	< 5
392441	75
392442	741
392443	118
392444	1040
392445	252
392446	391
392447	208
392448	862
392449	273
392450	165
392451	75
392452	250
392453	318
392454	247
392455	739
392456	346
392457	407
392458	280
392459	105
392460	3850
392461	128
392462	171
392463	33
392464	97
392465	910
392466	75
392467	183
392468	185
392469	52
392470	102
392471	110
392472	110
392473	180
392474	518
392475	291
392476	256
392477	475

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Oreas 237 (Fire Assay) Meas	2230
Oreas 237 (Fire Assay) Cert	2210
Oreas 237 (Fire Assay) Meas	2260
Oreas 237 (Fire Assay) Cert	2210
Oreas 237 (Fire Assay) Meas	2290
Oreas 237 (Fire Assay) Cert	2210
Oreas E1336 (Fire Assay) Meas	516
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	522
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	520
Oreas E1336 (Fire Assay) Cert	510
392388 Orig	1060
392388 Dup	1130
392398 Orig	638
392398 Dup	569
392409 Orig	891
392409 Dup	894
392421 Orig	396
392421 Dup	337
392428 Orig	39
392428 Split PREP DUP	36
392431 Orig	160
392431 Dup	186
392444 Orig	1050
392444 Dup	1030
392457 Orig	398
392457 Dup	415
392467 Orig	170
392467 Dup	195
392477 Orig	475
392477 Split PREP DUP	517
392477 Orig	481
392477 Dup	468
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



Report No.: A21-16702
Report Date: 14-Sep-21
Date Submitted: 03-Sep-21
Your Reference:

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

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

146 Core samples were submitted for analysis.

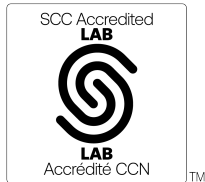
Table with 3 columns: Analytical package(s) requested, Testing Date, and details for samples 1A2-Tbay and 1A3-Tbay.

REPORT A21-16702

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Notes:

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



LabID: 673

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

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
392478	224	
392479	574	
392480	< 5	
392481	65	
392482	38	
392483	44	
392484	73	
392485	33	
392486	34	
392487	49	
392488	85	
392489	60	
392490	42	
392491	64	
392492	74	
392493	275	
392494	70	
392495	60	
392496	44	
392497	31	
392498	61	
392499	84	
392500	3720	
663001	90	
663002	61	
663003	34	
663004	28	
663005	24	
663006	30	
663007	49	
663008	104	
663009	148	
663010	100	
663011	105	
663012	289	
663013	117	
663014	126	
663015	193	
663016	170	
663017	510	
663018	162	
663019	92	
663020	< 5	
663021	281	
663022	72	
663023	71	
663024	309	
663025	55	
663026	99	
663027	284	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
663028	70	
663029	77	
663030	56	
663031	115	
663032	115	
663033	54	
663034	99	
663035	112	
663036	89	
663037	87	
663038	55	
663039	467	
663040	> 5000	7.79
663041	100	
663042	56	
663043	963	
663044	2060	
663045	55	
663046	43	
663047	56	
663048	42	
663049	28	
663050	66	
663051	35	
663052	48	
663053	30	
663054	27	
663055	52	
663056	39	
663057	29	
663058	69	
663059	59	
663060	< 5	
663061	91	
663062	24	
663063	146	
663064	140	
663065	218	
663066	168	
663067	98	
663068	95	
663069	67	
663070	121	
663071	57	
663072	64	
663073	123	
663074	126	
663075	305	
663076	282	
663077	97	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
663078	134	
663079	154	
663080	1190	
663081	91	
663082	89	
663083	92	
663084	192	
663085	258	
663086	382	
663087	279	
663088	122	
663089	67	
663090	262	
663091	162	
663092	135	
663093	130	
663094	172	
663095	130	
663096	190	
663097	82	
663098	99	
663099	30	
663100	< 5	
663101	85	
663102	145	
663103	110	
663104	33	
663105	176	
663106	83	
663107	61	
663108	60	
663109	126	
663110	260	
663111	244	
663112	115	
663113	374	
663114	114	
663115	296	
663116	279	
663117	395	
663118	358	
663119	288	
663120	1140	
663121	112	
663122	135	
663123	825	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		11.9
OREAS 229b (Fire Assay) Cert		11.9
Oreas 237 (Fire Assay) Meas	2240	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2270	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2300	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2220	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2210	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2210	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2210	
Oreas 237 (Fire Assay) Cert	2210	
OREAS 257b (Fire Assay) Meas		14.1
OREAS 257b (Fire Assay) Cert		14.2
Oreas E1336 (Fire Assay) Meas	497	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	518	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	508	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	503	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	502	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	508	
Oreas E1336 (Fire Assay) Cert	510	
392487 Orig	53	



Report No.: A21-17054
 Report Date: 20-Sep-21
 Date Submitted: 09-Sep-21
 Your Reference:

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

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

131 Core samples were submitted for analysis.

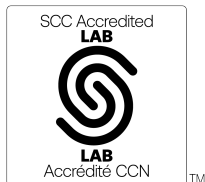
The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-09-14 12:33:28
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-09-17 18:59:43

REPORT A21-17054

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Notes:

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



LabID: 673

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
663124	95	
663125	200	
663126	129	
663127	70	
663128	60	
663129	42	
663130	80	
663131	250	
663132	43	
663133	27	
663134	40	
663135	41	
663136	27	
663137	97	
663138	52	
663139	35	
663140	< 5	
663141	39	
663142	51	
663143	90	
663144	58	
663145	94	
663146	57	
663147	52	
663148	41	
663149	36	
663150	61	
663151	45	
663152	68	
663153	99	
663154	30	
663155	33	
663156	43	
663157	76	
663158	535	
663159	126	
663160	> 5000	8.95
663161	242	
663162	73	
663163	140	
663164	658	
663165	542	
663166	661	
663167	661	
663168	770	
663169	739	
663170	1630	
663171	1770	
663172	864	
663173	475	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
663174	852	
663175	800	
663176	164	
663177	71	
663178	37	
663179	20	
663180	< 5	
663181	9	
663182	28	
663183	22	
663184	14	
663185	9	
663186	15	
663187	15	
663188	94	
663189	72	
663190	101	
663191	45	
663192	61	
663193	226	
663194	64	
663195	50	
663196	27	
663197	34	
663198	104	
663199	94	
663200	4190	
663201	255	
663202	125	
663203	175	
663204	355	
663205	816	
663206	796	
663207	140	
663208	80	
663209	667	
663210	225	
663211	780	
663212	1510	
663213	749	
663214	1040	
663215	572	
663216	749	
663217	435	
663218	729	
663219	312	
663220	< 5	
663221	100	
663222	67	
663223	48	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
663224	38	
663225	26	
663226	24	
663227	29	
663228	214	
663229	207	
663230	47	
663231	57	
663232	17	
663233	18	
663234	11	
663235	11	
663236	14	
663237	14	
663238	15	
663239	7	
663240	4070	
663241	12	
663242	15	
663243	28	
663244	33	
663245	36	
663246	22	
663247	10	
663248	24	
663249	55	
663250	20	
663251	22	
663252	25	
663253	22	
663254	32	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.1
OREAS 229b (Fire Assay) Cert		11.9
Oreas 237 (Fire Assay) Meas	2280	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2300	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2300	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2260	
Oreas 237 (Fire Assay) Cert	2210	
Oreas E1336 (Fire Assay) Meas	526	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	523	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	507	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	503	
Oreas E1336 (Fire Assay) Cert	510	
663133 Orig	27	
663133 Dup	26	
663143 Orig	89	
663143 Dup	91	
663153 Orig	105	
663153 Dup	93	
663169 Orig	752	
663169 Dup	725	
663173 Orig	475	
663173 Split PREP DUP	444	
663178 Orig	37	
663178 Dup	36	
663188 Orig	86	
663188 Dup	101	
663203 Orig	175	
663203 Dup	175	
663213 Orig	755	
663213 Dup	742	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
663223 Orig	48	
663223 Split PREP DUP	57	
663223 Orig	49	
663223 Dup	47	
663237 Orig	14	
663237 Dup	14	
663247 Orig	10	
663247 Dup	9	
663254 Orig	32	
663254 Split PREP DUP	35	
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		< 0.03



Report No.: A21-17157
Report Date: 07-Oct-21
Date Submitted: 10-Sep-21
Your Reference:

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

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

153 Core samples were submitted for analysis.

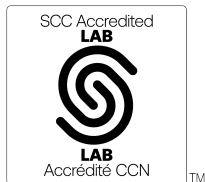
Table with 2 columns: Analytical package(s) requested, Testing Date. Row 1: 1A2-Tbay, QOP AA-Au (Au - Fire Assay AA), 2021-10-05 15:24:20

REPORT A21-17157

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Notes:

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



LabID: 673

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
663255	24
663256	51
663257	43
663258	25
663259	32
663260	6
663261	83
663262	109
663263	123
663264	100
663265	60
663266	56
663267	60
663268	54
663269	73
663270	56
663271	60
663272	54
663273	99
663274	62
663275	92
663276	109
663277	35
663278	56
663279	165
663280	3770
663281	60
663282	57
663283	36
663284	34
663285	32
663286	44
663287	72
663288	60
663289	52
663290	68
663291	44
663292	28
663293	32
663294	41
663295	64
663296	26
663297	35
663298	47
663299	22
663300	< 5
663301	48
663302	58
663303	31
663304	53
663305	59

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
663306	42
663307	36
663308	48
663309	44
663310	50
663311	44
663312	79
663313	62
663314	63
663315	78
663316	118
663317	145
663318	70
663319	58
663320	3850
663321	79
663322	96
663323	148
663324	211
663325	68
663326	92
663327	86
663328	73
663329	56
663330	99
663331	70
663332	61
663333	52
663334	56
663335	49
663336	67
663337	45
663338	84
663339	53
663340	< 5
663341	43
663342	49
663343	143
663344	61
663345	49
663346	44
663347	31
663348	29
663349	34
663350	43
663351	123
663352	35
663353	84
663354	124
663355	52
663356	66

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
663357	53
663358	238
663359	160
663360	3940
663361	215
663362	49
663363	134
663364	127
663365	79
663366	592
663367	2770
663368	1180
663369	686
663370	260
663371	48
663372	62
663373	191
663374	246
663375	365
663376	62
663377	88
663378	199
663379	185
663380	< 5
663381	174
663382	319
663383	170
663384	270
663385	177
663386	154
663387	112
663388	289
663389	109
663390	116
663391	244
663392	198
663393	119
663394	523
663395	1490
663396	524
663397	1100
663398	852
663399	645
663400	3970
663401	624
663402	2390
663403	2070
663404	453
663405	385
663406	9
663407	12

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Oreas 237 (Fire Assay) Meas	2250
Oreas 237 (Fire Assay) Cert	2210
Oreas 237 (Fire Assay) Meas	2260
Oreas 237 (Fire Assay) Cert	2210
Oreas 237 (Fire Assay) Meas	2260
Oreas 237 (Fire Assay) Cert	2210
Oreas 237 (Fire Assay) Meas	2260
Oreas 237 (Fire Assay) Cert	2210
Oreas 237 (Fire Assay) Meas	2260
Oreas 237 (Fire Assay) Cert	2210
Oreas 237 (Fire Assay) Meas	2280
Oreas 237 (Fire Assay) Cert	2210
Oreas E1336 (Fire Assay) Meas	505
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	520
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	516
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	520
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	523
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	524
Oreas E1336 (Fire Assay) Cert	510
663258 Orig	26
663258 Dup	24
663272 Orig	54
663272 Dup	54
663282 Orig	57
663282 Dup	57
663293 Orig	33
663293 Dup	30
663304 Orig	53
663304 Split PREP DUP	53
663306 Orig	42
663306 Dup	41

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
663316 Orig	116
663316 Dup	120
663327 Orig	82
663327 Dup	89
663351 Orig	122
663351 Dup	124
663354 Orig	124
663354 Split PREP DUP	113
663361 Orig	222
663361 Dup	208
663375 Orig	408
663375 Dup	322
663385 Orig	176
663385 Dup	178
663396 Orig	529
663396 Dup	519
663404 Orig	453
663404 Split PREP DUP	399
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



Report No.: A21-17370
Report Date: 28-Sep-21
Date Submitted: 15-Sep-21
Your Reference:

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

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Testing Date, and details for samples 1A2-Tbay and 1A3-Tbay.

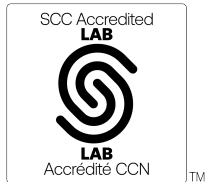
REPORT A21-17370

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Notes:

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

Footnote: no material for sample 663435.



LabID: 673

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

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
663408	46	
663409	153	
663410	203	
663411	356	
663412	85	
663413	88	
663414	59	
663415	93	
663416	102	
663417	78	
663418	49	
663419	151	
663420	< 5	
663421	93	
663422	39	
663423	99	
663424	127	
663425	97	
663426	100	
663427	62	
663428	74	
663429	57	
663430	62	
663431	314	
663432	286	
663433	109	
663434	79	
663436	74	
663437	121	
663438	42	
663439	175	
663440	1060	
663441	96	
663442	118	
663443	612	
663444	32	
663445	17	
663446	18	
663447	19	
663448	11	
663449	12	
663450	27	
663451	27	
663452	27	
663453	38	
663454	20	
663455	18	
663456	58	
663457	8	
663458	30	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
663459	36	
663460	< 5	
663461	191	
663462	210	
663463	87	
663464	106	
663465	211	
663466	104	
663467	109	
663468	83	
663469	266	
663470	36	
663471	80	
663472	115	
663473	133	
663474	96	
663475	90	
663476	102	
663477	46	
663478	113	
663479	159	
663480	> 5000	8.83
663481	105	
663482	60	
663483	117	
663484	12	
663485	44	
663486	143	
663487	191	
663488	120	
663489	562	
663490	1020	
663491	530	
663492	235	
663493	288	
663494	1620	
663495	1120	
663496	224	
663497	150	
663498	193	
663499	240	
663500	< 5	
663501	144	
663502	152	
663503	81	
663504	124	
663505	89	
663506	52	
663507	68	
663508	206	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
663509	320	
663510	193	
663511	107	
663512	213	
663513	118	
663514	180	
663515	86	
663516	152	
663517	188	
663518	136	
663519	95	
663520	3700	
663521	92	
663522	57	
663523	51	
663524	140	
663525	105	
663526	746	
663527	190	
663528	243	
663529	337	
663530	167	
663531	61	
663532	32	
663533	99	
663534	336	
663535	301	
663536	86	
663537	74	
663538	253	
663539	379	
663540	< 5	
663541	75	
663542	149	
663543	104	
663544	98	
663545	197	
663546	394	
663547	253	
663548	12	
663549	6	
663550	458	
663551	61	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.2
OREAS 229b (Fire Assay) Cert		11.9
Oreas 237 (Fire Assay) Meas	2260	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2250	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2280	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2270	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2270	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2260	
Oreas 237 (Fire Assay) Cert	2210	
OREAS 257b (Fire Assay) Meas		13.6
OREAS 257b (Fire Assay) Cert		14.2
Oreas E1336 (Fire Assay) Meas	518	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	512	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	516	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	515	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	514	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	504	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
Method Blank		< 0.03
Method Blank	< 5	
Method Blank	< 5	



Report No.: A21-17365
 Report Date: 23-Sep-21
 Date Submitted: 15-Sep-21
 Your Reference:

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

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

81 Core samples were submitted for analysis.

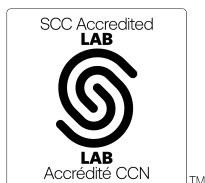
The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-09-22 15:19:15

REPORT **A21-17365**

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Notes:

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



LabID: 673

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
663552	25
663553	17
663554	17
663555	35
663556	24
663557	21
663558	20
663559	19
663560	3700
663561	8
663562	14
663563	27
663564	24
663565	20
663566	100
663567	742
663568	307
663569	47
663570	62
663571	34
663572	13
663573	19
663574	24
663575	9
663576	17
663577	21
663578	46
663579	34
663580	< 5
663581	83
663582	197
663583	3840
663584	149
663585	21
663586	32
663587	21
663588	23
663589	9
663590	17
663591	23
663592	20
663593	33
663594	12
663595	11
663596	11
663597	40
663598	28
663599	12
663600	1080
663601	9
663602	7

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
663603	15
663604	29
663605	14
663606	16
663607	22
663608	10
663609	9
663610	22
663611	21
663612	20
663613	20
663614	13
663615	8
663616	11
663617	12
663618	27
663619	12
663620	< 5
663621	7
663622	6
663623	8
663624	9
663625	16
663626	15
663627	6
663628	8
663629	7
663630	7
663631	21
663632	9

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 228b (Fire Assay) Meas	> 5000
OREAS 228b (Fire Assay) Cert	8570
OREAS 228b (Fire Assay) Meas	> 5000
OREAS 228b (Fire Assay) Cert	8570
OREAS 228b (Fire Assay) Meas	> 5000
OREAS 228b (Fire Assay) Cert	8570
Oreas E1336 (Fire Assay) Meas	506
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	513
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	510
Oreas E1336 (Fire Assay) Cert	510
663561 Orig	8
663561 Dup	7
663571 Orig	34
663571 Dup	34
663582 Orig	199
663582 Dup	194
663587 Orig	19
663587 Dup	22
663597 Orig	40
663597 Dup	40
663601 Orig	9
663601 Split PREP DUP	8
663606 Orig	15
663606 Dup	16
663626 Orig	15
663626 Dup	15
663632 Orig	9
663632 Split PREP DUP	8
Method Blank	5
Method Blank	< 5
Method Blank	< 5
Method Blank	5
Method Blank	< 5
Method Blank	< 5



Report No.: A21-17627
Report Date: 28-Sep-21
Date Submitted: 20-Sep-21
Your Reference:

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

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

113 Core samples were submitted for analysis.

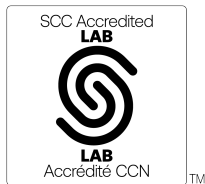
Table with 3 columns: Analytical package requested, Description, and Testing Date. Rows include 1A2-Tbay, 1A3-Tbay with their respective assay types and dates.

REPORT A21-17627

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Notes:

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



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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
663633	505	
663634	192	
663635	254	
663636	2450	
663637	91	
663638	98	
663639	52	
663640	1080	
663641	27	
663642	70	
663643	62	
663644	59	
663645	32	
663646	44	
663647	20	
663648	15	
663649	20	
663650	32	
663651	7	
663652	13	
663653	23	
663654	11	
663655	7	
663656	10	
663657	7	
663658	13	
663659	28	
663660	< 5	
663661	602	
663662	16	
663663	24	
663664	19	
663665	30	
663666	48	
663667	22	
663668	34	
663669	60	
663670	27	
663671	20	
663672	13	
663673	32	
663674	51	
663675	18	
663676	22	
663677	19	
663678	26	
663679	26	
663680	> 5000	8.72
663681	26	
663682	32	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
663683	50	
663684	32	
663685	148	
663686	231	
663687	114	
663688	359	
663689	372	
663690	102	
663691	402	
663692	454	
663693	309	
663694	21	
663695	218	
663696	49	
663697	331	
663698	787	
663699	108	
663700	< 5	
663701	72	
663702	35	
663703	29	
663704	30	
663705	50	
663706	26	
663707	40	
663708	22	
663709	28	
663710	1860	
663711	38	
663712	47	
663713	118	
663714	26	
663715	24	
663716	45	
663717	64	
663718	416	
663719	712	
663720	3680	
663721	2360	
663722	11	
663723	22	
663724	367	
663725	528	
663726	13	
663727	21	
663728	55	
663729	61	
663730	82	
663731	41	
663732	24	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
663733	116	
663734	175	
663735	67	
663736	133	
663737	32	
663738	44	
663739	76	
663740	< 5	
663741	3620	
663742	176	
663743	37	
663744	80	
663745	24	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.2
OREAS 229b (Fire Assay) Cert		11.9
Oreas 237 (Fire Assay) Meas	2210	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2220	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2180	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2170	
Oreas 237 (Fire Assay) Cert	2210	
OREAS 228b (Fire Assay) Meas	> 5000	
OREAS 228b (Fire Assay) Cert	8570	
OREAS 257b (Fire Assay) Meas		13.9
OREAS 257b (Fire Assay) Cert		14.2
Oreas E1336 (Fire Assay) Meas	528	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	517	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	528	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	507	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	520	
Oreas E1336 (Fire Assay) Cert	510	
663642 Orig	72	
663642 Dup	67	
663652 Orig	14	
663652 Dup	12	
663663 Orig	24	
663663 Dup	24	
663674 Orig	51	
663674 Dup	51	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
663682 Orig	32	
663682 Split PREP DUP	41	
663685 Orig	147	
663685 Dup	149	
663698 Orig	802	
663698 Dup	771	
663711 Orig	38	
663711 Dup	38	
663721 Orig	2390	
663721 Dup	2340	
663732 Orig	24	
663732 Split PREP DUP	25	
663735 Orig	66	
663735 Dup	67	
663742 Orig	180	
663742 Dup	172	
663745 Orig	24	
663745 Split PREP DUP	25	
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	< 0.03	



Report No.: A21-13313
Report Date: 17-Aug-21
Date Submitted: 14-Jul-21
Your Reference:

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

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

134 Core samples were submitted for analysis.

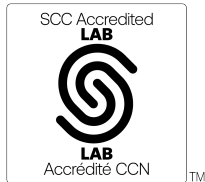
Table with 3 columns: Analytical package(s) requested, Testing Date, and details for samples 1A2-Tbay and 1A3-Tbay.

REPORT A21-13313

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Notes:

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



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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
393702	6	
393703	15	
393704	8	
393705	14	
393706	17	
393707	37	
393708	52	
393709	46	
393710	31	
393711	39	
393712	47	
393713	34	
393714	48	
393715	47	
393716	95	
393717	130	
393718	132	
393719	327	
393720	< 5	
393721	353	
393722	140	
393723	91	
393724	49	
393725	252	
393726	215	
393727	106	
393728	91	
393729	100	
393730	51	
393731	37	
393732	71	
393733	65	
393734	198	
393735	182	
393736	189	
393737	366	
393738	282	
393739	101	
393740	1230	
393741	552	
393742	109	
393743	93	
393744	181	
393745	131	
393746	146	
393747	1620	
393748	614	
393749	552	
393750	3510	
393751	381	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
393752	222	
393753	163	
393754	108	
393755	109	
393756	3950	
393757	857	
393758	295	
393759	> 5000	5.80
393760	< 5	
393761	730	
393762	412	
393763	290	
393764	92	
393765	317	
393766	61	
393767	89	
393768	537	
393769	1320	
393770	3530	
393771	54	
393772	202	
393773	177	
393774	17	
393775	19	
393776	26	
393777	48	
393778	18	
393779	22	
393780	> 5000	7.97
393781	32	
393782	34	
393783	111	
393784	140	
393785	46	
393786	37	
393787	28	
393788	77	
393789	54	
393790	74	
393791	112	
393792	16	
393793	35	
393794	102	
393795	111	
393796	127	
393797	134	
393798	82	
393799	374	
393800	5	
393801	201	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
393802	100	
393803	97	
393804	145	
393805	140	
393806	203	
393807	422	
393808	1050	
393809	783	
393810	1620	
393811	637	
393812	298	
393813	59	
393814	322	
393815	46	
393816	17	
393817	71	
393818	75	
393819	65	
393820	1450	
393821	73	
393822	120	
393823	101	
393824	51	
393825	102	
393826	131	
393827	89	
393828	82	
393829	165	
393830	239	
393831	343	
393832	159	
393833	407	
393834	291	
393835	70	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.1
OREAS 229b (Fire Assay) Cert		11.9
Oreas 237 (Fire Assay) Meas	2250	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2230	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2210	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2300	
Oreas 237 (Fire Assay) Cert	2210	
OREAS 257b (Fire Assay) Meas		14.4
OREAS 257b (Fire Assay) Cert		14.2
Oreas E1336 (Fire Assay) Meas	492	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	516	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	522	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	522	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	530	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	525	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	528	
Oreas E1336 (Fire Assay) Cert	510	
393710 Orig	31	
393710 Dup	31	
393720 Orig	< 5	
393724 Orig	48	
393724 Dup	49	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
393745 Orig	128	
393745 Dup	134	
393751 Orig	381	
393751 Split PREP DUP	325	
393754 Orig	108	
393754 Dup	108	
393758 Orig	290	
393758 Dup	299	
393759 Dup		5.80
393779 Orig	22	
393779 Dup	22	
393789 Orig	55	
393789 Dup	53	
393793 Orig	34	
393793 Dup	36	
393801 Orig	201	
393801 Split PREP DUP	193	
393813 Orig	59	
393813 Dup	58	
393823 Orig	101	
393823 Dup	101	
393835 Orig	70	
393835 Split PREP DUP	73	
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	< 0.03	
Method Blank	< 5	
Method Blank	< 5	

APPENDIX VI DOWNHOLE SURVEY

Down hole Survey

holeid	dip	depth	azimuth
TM-21-98	-45.4	53	47.1
TM-21-98	-46.7	83	47.3
TM-21-98	-47.3	101	48.3
TM-21-98	-49.5	152	46.6
TM-21-98	-51.2	200	46.5
TM-21-99	-50.8	32	45.5
TM-21-99	-51.3	50	45.6
TM-21-99	-51.8	92	45.8
TM-21-99	-54.8	122	45.9
TM-21-99	-54.9	152	44.1
TM-21-99	-56.9	197	43.8
TM-21-100	-48.8	50	47.3
TM-21-100	-50.7	101	47.8
TM-21-100	-51.0	152	48.3
TM-21-100	-53.6	200	48.1
TM-21-101	-67.6	50	31.2
TM-21-101	-67.9	110	32.4
TM-21-101	-68.0	152	34.0
TM-21-101	-68.4	200	36.5
TM-21-101	-68.5	250	41.3
TM-21-102	-46.6	23	36.7
TM-21-102	-47.3	50	38.8
TM-21-102	-47.5	100	46.8
TM-21-102	-47.5	140	43.6
TM-21-103	-50.3	53	28.1
TM-21-103	-50.6	104	29.7
TM-21-104	-45.2	212	45.6
TM-21-104	-43.8	263	43.5
TM-21-105	-55.8	92	83.7
TM-21-105	-55.9	140	86.4
TM-21-106	-69.8	21	77.3
TM-21-106	-69.8	50	76.9
TM-21-106	-70.1	101	78.6
TM-21-106	-70.3	200	82.1
TM-21-107	-50.8	50	73.7
TM-21-107	-51.2	104	72.4
TM-21-107	-51.8	150	73.3
TM-21-107	-52.1	200	73.2
TM-21-108	-64.3	50	69.5
TM-21-108	-64.0	152	76.3
TM-21-108	-63.7	200	80.5
TM-21-108	-62.6	300	87.9
TM-21-108	-62.9	350	94.5
TM-21-109	-51.5	50	187.4

mag

mag

Down hole Survey

holeid	dip	depth	azimuth	
TM-21-109	-51.8	100	190.9	
TM-21-109	-51.3	150	193.2	
TM-21-110	-50.4	50	80.2	mag
TM-21-110	-50.4	101	81.0	mag
TM-21-110	-50.4	143	81.2	mag
TM-21-111	-47.5	51	62.5	
TM-21-111	-47.8	101	65.3	
TM-21-111	-47.7	152	67.5	
TM-21-112	-67.6	29	51.9	
TM-21-112	-67.7	80	53.0	
TM-21-112	-67.9	131	54.8	
TM-21-112	-67.8	194	57.4	
TM-21-113	-70.4	50	48.8	
TM-21-113	-70.4	101	50.9	
TM-21-113	-70.3	152	51.3	
TM-21-113	-70.2	200	52.4	
TM-21-113	-70.4	215	52.5	
TM-21-113	-70.5	224	52.5	
TM-21-114	-49.0	20	44.8	
TM-21-114	-48.2	71	48.0	
TM-21-114	-48.5	122	49.4	
TM-21-114	-47.9	173	52.9	
TM-21-114	-48.0	200	53.1	
TM-21-114	-48.1	212	54.3	
TM-21-115	-58.2	50	318.8	
TM-21-115	-58.5	100	322.6	
TM-21-116	-48.7	50	216.6	
TM-21-116	-48.1	101	216.9	

APPENDIX VII DOWNHOLE MAGNETIC SUS

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-98	8.75	0.4185
TM-21-98	10.25	0.4030
TM-21-98	11.75	0.4030
TM-21-98	13.25	0.3478
TM-21-98	14.75	0.2978
TM-21-98	16.25	0.2952
TM-21-98	17.75	0.4285
TM-21-98	19.25	0.3361
TM-21-98	20.75	0.3187
TM-21-98	22.25	0.3760
TM-21-98	23.75	0.2524
TM-21-98	25.25	0.3242
TM-21-98	26.75	0.3481
TM-21-98	28.25	0.3652
TM-21-98	29.75	0.3720
TM-21-98	31.25	0.2709
TM-21-98	32.75	0.3015
TM-21-98	34.25	0.2658
TM-21-98	35.75	0.3555
TM-21-98	37.25	0.3822
TM-21-98	38.75	0.4273
TM-21-98	40.25	0.6496
TM-21-98	41.75	0.4369
TM-21-98	43.25	0.2162
TM-21-98	44.75	0.4045
TM-21-98	46.25	0.4965
TM-21-98	47.75	0.4850
TM-21-98	49.25	0.3518
TM-21-98	50.75	0.2377
TM-21-98	52.25	0.3505
TM-21-98	53.75	0.4110
TM-21-98	55.25	0.1531
TM-21-98	56.75	0.1569
TM-21-98	58.25	0.2270
TM-21-98	59.75	0.2028
TM-21-98	61.25	0.3214
TM-21-98	62.75	0.3792
TM-21-98	64.25	0.4978
TM-21-98	65.75	0.1822
TM-21-98	67.25	0.3042
TM-21-98	68.75	0.2818
TM-21-98	70.25	0.3156
TM-21-98	71.75	0.2925
TM-21-98	73.25	0.2512
TM-21-98	74.75	0.2677
TM-21-98	76.25	0.3405
TM-21-98	77.75	0.3848
TM-21-98	79.25	0.2612
TM-21-98	80.75	0.2569
TM-21-98	82.25	0.4037
TM-21-98	83.75	0.2285
TM-21-98	85.25	0.2728
TM-21-98	86.75	0.2929
TM-21-98	88.25	0.3557
TM-21-98	89.75	0.4370
TM-21-98	91.25	0.4489
TM-21-98	92.75	0.4143
TM-21-98	94.25	0.3309
TM-21-98	95.75	0.4805
TM-21-98	97.25	0.2720
TM-21-98	98.75	0.3930
TM-21-98	100.25	0.4829
TM-21-98	101.75	0.4271
TM-21-98	103.25	0.3250
TM-21-98	104.75	0.2965
TM-21-98	106.25	0.3216
TM-21-98	107.75	0.7877
TM-21-98	109.25	0.4780
TM-21-98	110.75	0.5287
TM-21-98	112.25	0.6335
TM-21-98	113.75	1.0800

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-98	115.25	0.2763
TM-21-98	116.75	0.2663
TM-21-98	118.25	0.3700
TM-21-98	119.75	0.3683
TM-21-98	121.25	0.2539
TM-21-98	122.75	0.6244
TM-21-98	124.25	0.2314
TM-21-98	125.75	0.5444
TM-21-98	127.25	0.7069
TM-21-98	128.75	0.5890
TM-21-98	130.25	0.2398
TM-21-98	131.75	0.2189
TM-21-98	133.25	0.1408
TM-21-98	134.75	1.3500
TM-21-98	136.25	6.9200
TM-21-98	137.75	7.7500
TM-21-98	139.25	0.5502
TM-21-98	140.75	0.2984
TM-21-98	142.25	0.3374
TM-21-98	143.75	0.3152
TM-21-98	145.25	0.8237
TM-21-98	146.75	0.5561
TM-21-98	148.25	0.0895
TM-21-98	149.75	0.2888
TM-21-98	151.25	0.3278
TM-21-98	152.75	0.3274
TM-21-98	154.25	0.7152
TM-21-98	155.75	0.6847
TM-21-98	157.25	0.0460
TM-21-98	158.75	0.6675
TM-21-98	160.25	0.6970
TM-21-98	161.75	1.1400
TM-21-98	163.25	0.7363
TM-21-98	164.75	0.5683
TM-21-98	166.25	0.2825
TM-21-98	167.75	0.5205
TM-21-98	169.25	0.6924
TM-21-98	170.75	0.4853
TM-21-98	172.25	0.4089
TM-21-98	173.75	0.4648
TM-21-98	175.25	0.1407
TM-21-98	176.75	0.5082
TM-21-98	178.25	0.5525
TM-21-98	179.75	0.6839
TM-21-98	181.25	0.5809
TM-21-98	182.75	0.2473
TM-21-98	184.25	0.1501
TM-21-98	185.75	0.4933
TM-21-98	187.25	0.2729
TM-21-98	188.75	0.3483
TM-21-98	190.25	0.2059
TM-21-98	191.75	0.0765
TM-21-98	193.25	0.3150
TM-21-98	194.75	0.2695
TM-21-98	196.25	0.5379
TM-21-98	197.75	0.2950
TM-21-98	199.25	0.6690
TM-21-99	4.75	0.3796
TM-21-99	6.25	0.3226
TM-21-99	7.75	0.3036
TM-21-99	9.25	0.1707
TM-21-99	10.75	0.1970
TM-21-99	12.25	0.3274
TM-21-99	13.75	0.2370
TM-21-99	15.25	0.4225
TM-21-99	16.75	0.3224
TM-21-99	18.25	0.1130
TM-21-99	19.75	0.3777
TM-21-99	21.25	0.4924
TM-21-99	22.75	0.4766
TM-21-99	24.25	0.5305

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-99	25.75	0.3525
TM-21-99	27.25	0.4413
TM-21-99	28.75	0.3419
TM-21-99	30.25	0.3777
TM-21-99	31.75	0.3446
TM-21-99	33.25	0.2345
TM-21-99	34.75	0.1927
TM-21-99	36.25	0.5721
TM-21-99	37.75	0.7086
TM-21-99	39.25	0.5653
TM-21-99	40.75	0.2544
TM-21-99	42.25	0.2500
TM-21-99	43.75	0.1751
TM-21-99	45.25	0.2325
TM-21-99	46.75	0.3514
TM-21-99	48.25	0.3197
TM-21-99	49.75	0.3288
TM-21-99	51.25	0.5540
TM-21-99	52.75	0.3502
TM-21-99	54.25	0.3717
TM-21-99	55.75	0.2985
TM-21-99	57.25	0.2526
TM-21-99	58.75	0.2147
TM-21-99	60.25	0.2137
TM-21-99	61.75	0.2470
TM-21-99	63.25	0.3023
TM-21-99	64.75	0.3615
TM-21-99	66.25	0.3527
TM-21-99	67.75	0.2886
TM-21-99	69.25	0.1685
TM-21-99	70.75	0.1917
TM-21-99	72.25	0.2530
TM-21-99	73.75	0.2014
TM-21-99	75.25	0.3533
TM-21-99	76.75	0.2830
TM-21-99	78.25	0.3513
TM-21-99	79.75	0.3623
TM-21-99	81.25	0.3029
TM-21-99	82.75	0.4495
TM-21-99	84.25	1.0100
TM-21-99	85.75	0.4308
TM-21-99	87.25	0.4727
TM-21-99	88.75	0.2148
TM-21-99	90.25	0.4511
TM-21-99	91.75	0.4027
TM-21-99	93.25	0.5728
TM-21-99	94.75	0.3386
TM-21-99	96.25	0.3839
TM-21-99	97.75	0.3111
TM-21-99	99.25	0.2876
TM-21-99	100.75	0.2590
TM-21-99	102.25	0.5330
TM-21-99	103.75	0.4957
TM-21-99	105.25	0.5632
TM-21-99	106.75	1.230
TM-21-99	108.25	14.300
TM-21-99	109.75	0.8992
TM-21-99	111.25	0.6156
TM-21-99	112.75	0.3136
TM-21-99	114.25	0.2937
TM-21-99	115.75	3.090
TM-21-99	117.25	3.890
TM-21-99	118.75	3.410
TM-21-99	120.25	16.700
TM-21-99	121.75	3.990
TM-21-99	123.25	4.460
TM-21-99	124.75	2.440
TM-21-99	126.25	1.050
TM-21-99	127.75	1.020
TM-21-99	129.25	0.8453
TM-21-99	130.75	1.200

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-99	132.25	6.860
TM-21-99	133.75	2.650
TM-21-99	135.25	3.640
TM-21-99	136.75	3.34
TM-21-99	138.25	1.50
TM-21-99	139.75	0.5843
TM-21-99	141.25	0.9116
TM-21-99	142.75	0.2102
TM-21-99	144.25	0.5255
TM-21-99	145.75	1.23
TM-21-99	147.25	13.50
TM-21-99	148.75	0.5844
TM-21-99	150.25	0.5992
TM-21-99	151.75	2.68
TM-21-99	153.25	0.2819
TM-21-99	154.75	0.1826
TM-21-99	156.25	0.1971
TM-21-99	157.75	1.27
TM-21-99	159.25	2.59
TM-21-99	160.75	2.23
TM-21-99	162.25	2.31
TM-21-99	163.75	0.3054
TM-21-99	165.25	0.1991
TM-21-99	166.75	0.3883
TM-21-99	168.25	0.3562
TM-21-99	169.75	0.3868
TM-21-99	171.25	1.72
TM-21-99	172.75	2.86
TM-21-99	174.25	1.57
TM-21-99	175.75	2.07
TM-21-99	177.25	0.7696
TM-21-99	178.75	0.3003
TM-21-99	180.25	0.5611
TM-21-99	181.75	0.4679
TM-21-99	183.25	0.1965
TM-21-99	184.75	0.0768
TM-21-99	186.25	0.1245
TM-21-99	187.75	0.1254
TM-21-99	189.25	0.1086
TM-21-99	190.75	0.0912
TM-21-99	192.25	0.1306
TM-21-99	193.75	0.4559
TM-21-99	195.25	0.2583
TM-21-99	196.75	0.3438
TM-21-100	7.50	0.1496
TM-21-100	8.75	0.1749
TM-21-100	10.25	0.2512
TM-21-100	11.75	0.1352
TM-21-100	13.25	0.2854
TM-21-100	14.75	0.3583
TM-21-100	16.25	0.2979
TM-21-100	17.75	0.1118
TM-21-100	19.25	0.0880
TM-21-100	20.75	0.2325
TM-21-100	22.25	0.1971
TM-21-100	23.75	0.1880
TM-21-100	25.25	0.1837
TM-21-100	26.75	0.1822
TM-21-100	28.25	0.2588
TM-21-100	29.75	0.2649
TM-21-100	31.25	0.1815
TM-21-100	32.75	0.2520
TM-21-100	34.25	0.2826
TM-21-100	35.75	0.0859
TM-21-100	37.25	0.1986
TM-21-100	38.75	0.3042
TM-21-100	40.25	0.2681
TM-21-100	41.75	0.2107
TM-21-100	43.25	0.1739
TM-21-100	44.75	0.2641
TM-21-100	46.25	0.2680

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-100	47.75	0.2641
TM-21-100	49.25	0.2292
TM-21-100	50.75	0.3973
TM-21-100	52.25	0.2721
TM-21-100	53.75	0.1175
TM-21-100	55.25	0.1482
TM-21-100	56.75	0.1484
TM-21-100	58.25	0.1423
TM-21-100	59.75	0.2741
TM-21-100	61.25	0.3949
TM-21-100	62.75	0.3601
TM-21-100	64.25	0.2455
TM-21-100	65.75	0.3602
TM-21-100	67.25	0.4974
TM-21-100	68.75	0.3803
TM-21-100	70.25	0.2178
TM-21-100	71.75	0.1233
TM-21-100	73.25	0.2413
TM-21-100	74.75	0.1758
TM-21-100	76.25	0.2117
TM-21-100	77.75	0.0916
TM-21-100	79.25	0.3641
TM-21-100	80.75	0.4074
TM-21-100	82.25	0.8764
TM-21-100	83.75	0.5308
TM-21-100	85.25	0.2702
TM-21-100	86.75	0.3114
TM-21-100	88.25	0.3995
TM-21-100	89.75	0.4392
TM-21-100	91.25	0.4647
TM-21-100	92.75	0.4526
TM-21-100	94.25	0.5841
TM-21-100	95.75	0.3164
TM-21-100	97.25	0.2679
TM-21-100	98.75	0.3814
TM-21-100	100.25	0.3958
TM-21-100	101.75	0.3819
TM-21-100	103.25	0.3945
TM-21-100	104.75	0.3099
TM-21-100	106.25	0.7533
TM-21-100	107.75	1.4900
TM-21-100	109.25	0.7679
TM-21-100	110.75	1.0900
TM-21-100	112.25	1.6400
TM-21-100	113.75	2.1200
TM-21-100	115.25	2.2800
TM-21-100	116.75	0.6623
TM-21-100	118.25	0.5216
TM-21-100	119.75	0.4960
TM-21-100	121.25	0.4106
TM-21-100	122.75	0.6470
TM-21-100	124.25	0.5644
TM-21-100	125.75	0.2266
TM-21-100	127.25	0.3323
TM-21-100	128.75	0.1847
TM-21-100	130.25	0.3230
TM-21-100	131.75	0.1606
TM-21-100	133.25	0.3235
TM-21-100	134.75	0.1905
TM-21-100	136.25	0.2877
TM-21-100	137.75	0.2482
TM-21-100	139.25	0.5230
TM-21-100	140.75	0.4166
TM-21-100	142.25	0.1453
TM-21-100	143.75	0.1657
TM-21-100	145.25	0.4888
TM-21-100	146.75	0.2215
TM-21-100	148.25	0.2627
TM-21-100	149.75	0.3086
TM-21-100	151.25	0.4649
TM-21-100	152.75	0.4096

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-100	154.25	0.2456
TM-21-100	155.75	0.3203
TM-21-100	157.25	0.4345
TM-21-100	158.75	0.5530
TM-21-100	160.25	0.5417
TM-21-100	161.75	0.7252
TM-21-100	163.25	0.3694
TM-21-100	164.75	0.4629
TM-21-100	166.25	0.3286
TM-21-100	167.75	0.1989
TM-21-100	169.25	0.3561
TM-21-100	170.75	0.3527
TM-21-100	172.25	0.3913
TM-21-100	173.75	0.4739
TM-21-100	175.25	0.4584
TM-21-100	176.75	0.4000
TM-21-100	178.25	0.3831
TM-21-100	179.75	0.3597
TM-21-100	181.25	0.2202
TM-21-100	182.75	0.1764
TM-21-100	184.25	0.2847
TM-21-100	185.75	0.2992
TM-21-100	187.25	0.3466
TM-21-100	188.75	0.3155
TM-21-100	190.25	0.2577
TM-21-100	191.75	0.2496
TM-21-100	193.25	0.3902
TM-21-100	194.75	0.4018
TM-21-100	196.25	0.1790
TM-21-100	197.75	0.1599
TM-21-101	10.50	0.8800
TM-21-101	11.75	0.1046
TM-21-101	13.25	0.0989
TM-21-101	14.75	0.5305
TM-21-101	16.25	10.90
TM-21-101	17.75	1.4500
TM-21-101	19.25	0.5743
TM-21-101	20.75	4.9300
TM-21-101	22.25	0.9374
TM-21-101	23.75	0.6182
TM-21-101	25.25	2.4900
TM-21-101	26.75	7.6900
TM-21-101	28.25	8.1700
TM-21-101	29.75	18.1000
TM-21-101	31.25	19.3000
TM-21-101	32.75	18.8000
TM-21-101	34.25	15.1000
TM-21-101	35.75	8.1000
TM-21-101	37.25	1.2500
TM-21-101	38.75	4.1700
TM-21-101	40.25	6.6100
TM-21-101	41.75	8.5500
TM-21-101	43.25	3.6400
TM-21-101	44.75	10.3000
TM-21-101	46.25	4.8800
TM-21-101	47.75	0.7186
TM-21-101	49.25	2.9800
TM-21-101	50.75	0.8490
TM-21-101	52.25	0.0818
TM-21-101	53.75	0.4700
TM-21-101	55.25	1.6900
TM-21-101	56.75	6.6500
TM-21-101	58.25	0.5075
TM-21-101	59.75	0.0412
TM-21-101	61.25	0.0920
TM-21-101	62.75	0.0913
TM-21-101	64.25	0.0643
TM-21-101	65.75	0.0000
TM-21-101	67.25	0.0490
TM-21-101	68.75	0.0717
TM-21-101	70.25	0.0589

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-101	71.75	0.0496
TM-21-101	73.25	0.1981
TM-21-101	74.75	0.1706
TM-21-101	76.25	0.0817
TM-21-101	77.75	0.0686
TM-21-101	79.25	0.0280
TM-21-101	80.75	0.0200
TM-21-101	82.25	0.0525
TM-21-101	83.75	0.0213
TM-21-101	85.25	0.0679
TM-21-101	86.75	0.0331
TM-21-101	88.25	0.0355
TM-21-101	89.75	0.0320
TM-21-101	91.25	0.0499
TM-21-101	92.75	0.0610
TM-21-101	94.25	0.0824
TM-21-101	95.75	0.0939
TM-21-101	97.25	0.0781
TM-21-101	98.75	0.1064
TM-21-101	100.25	0.0534
TM-21-101	101.75	0.0863
TM-21-101	103.25	0.0899
TM-21-101	104.75	0.0947
TM-21-101	106.25	0.1458
TM-21-101	107.75	0.2283
TM-21-101	109.25	0.3274
TM-21-101	110.75	0.3163
TM-21-101	112.25	1.0800
TM-21-101	113.75	0.3082
TM-21-101	115.25	0.1850
TM-21-101	116.75	0.0511
TM-21-101	118.25	0.0785
TM-21-101	119.75	0.0368
TM-21-101	121.25	0.0985
TM-21-101	122.75	0.0873
TM-21-101	124.25	0.0914
TM-21-101	125.75	0.1410
TM-21-101	127.25	0.3022
TM-21-101	128.75	1.1100
TM-21-101	130.25	0.2419
TM-21-101	131.75	0.2764
TM-21-101	133.25	0.3301
TM-21-101	134.75	0.3097
TM-21-101	136.25	0.5229
TM-21-101	137.75	0.5436
TM-21-101	139.25	0.1940
TM-21-101	140.75	0.1717
TM-21-101	142.25	6.8600
TM-21-101	143.75	7.1100
TM-21-101	145.25	3.5100
TM-21-101	146.75	0.7234
TM-21-101	148.25	0.0870
TM-21-101	149.75	0.1388
TM-21-101	151.25	0.3784
TM-21-101	152.75	0.9691
TM-21-101	154.25	1.6230
TM-21-101	155.75	0.1329
TM-21-101	157.25	0.1636
TM-21-101	158.75	0.2636
TM-21-101	160.25	0.2427
TM-21-101	161.75	2.8800
TM-21-101	163.25	0.3982
TM-21-101	164.75	0.1793
TM-21-101	166.25	0.3347
TM-21-101	167.75	0.4723
TM-21-101	169.25	0.2065
TM-21-101	170.75	0.2229
TM-21-101	172.25	0.1887
TM-21-101	173.75	0.1176
TM-21-101	175.25	0.1231
TM-21-101	176.75	0.0606

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-101	178.25	0.1854
TM-21-101	179.75	0.0000
TM-21-101	181.25	0.0823
TM-21-101	182.75	0.0885
TM-21-101	184.25	0.0000
TM-21-101	185.75	0.1025
TM-21-101	187.25	0.0841
TM-21-101	188.75	0.0553
TM-21-101	190.25	0.1131
TM-21-101	191.75	0.5048
TM-21-101	193.25	0.1884
TM-21-101	194.75	0.3003
TM-21-101	196.25	0.1920
TM-21-101	197.75	0.1861
TM-21-101	199.25	0.2403
TM-21-101	200.75	0.6961
TM-21-101	202.25	0.4510
TM-21-101	203.75	0.3317
TM-21-101	205.25	0.9905
TM-21-101	206.75	0.1261
TM-21-101	208.25	0.2848
TM-21-101	209.75	0.3374
TM-21-101	211.25	0.3998
TM-21-101	212.75	0.0756
TM-21-101	214.25	0.1822
TM-21-101	215.75	0.6482
TM-21-101	217.25	0.2313
TM-21-101	218.75	0.5528
TM-21-101	220.25	0.1040
TM-21-101	221.75	0.2165
TM-21-101	223.25	0.0816
TM-21-101	224.75	0.1941
TM-21-101	226.25	0.0707
TM-21-101	227.75	0.0082
TM-21-101	229.25	0.0713
TM-21-101	230.75	0.1121
TM-21-101	232.25	0.0871
TM-21-101	233.75	0.2974
TM-21-101	235.25	0.3091
TM-21-101	236.75	0.2771
TM-21-101	238.25	0.1855
TM-21-101	239.75	0.1882
TM-21-101	241.25	0.1833
TM-21-101	242.75	0.0292
TM-21-101	244.25	0.0281
TM-21-101	245.75	0.0231
TM-21-101	247.25	0.0084
TM-21-101	248.75	0.0790
TM-21-101	250.25	0.2966
TM-21-101	251.75	0.1637
TM-21-101	253.25	0.1266
TM-21-101	254.75	0.1516
TM-21-101	256.25	0.1365
TM-21-101	257.75	0.0196
TM-21-101	259.25	0.3143
TM-21-101	260.75	0.4102
TM-21-101	262.25	0.2743
TM-21-101	263.75	0.5656
TM-21-101	265.25	0.3907
TM-21-101	266.75	0.3413
TM-21-102	10.00	0.5810
TM-21-102	11.75	0.8113
TM-21-102	13.25	0.3309
TM-21-102	14.75	0.7797
TM-21-102	16.25	0.6606
TM-21-102	17.75	0.5164
TM-21-102	19.25	0.6353
TM-21-102	20.75	0.1206
TM-21-102	22.25	0.0743
TM-21-102	23.75	0.0873
TM-21-102	25.25	0.0673

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-102	26.75	0.0849
TM-21-102	28.25	0.0745
TM-21-102	29.75	0.2315
TM-21-102	31.25	0.0923
TM-21-102	32.75	0.1143
TM-21-102	34.25	0.1143
TM-21-102	35.75	0.0975
TM-21-102	37.25	0.0836
TM-21-102	38.75	0.0984
TM-21-102	40.25	0.1033
TM-21-102	41.75	0.0870
TM-21-102	43.25	0.0867
TM-21-102	44.75	0.0896
TM-21-102	46.25	0.0966
TM-21-102	47.75	0.1027
TM-21-102	49.25	0.7557
TM-21-102	50.75	0.5311
TM-21-102	52.25	0.0897
TM-21-102	53.75	0.1173
TM-21-102	55.25	0.1165
TM-21-102	56.75	0.1368
TM-21-102	58.25	0.2396
TM-21-102	59.75	0.7004
TM-21-102	61.25	0.1575
TM-21-102	62.75	0.6403
TM-21-102	64.25	0.6597
TM-21-102	65.75	0.4795
TM-21-102	67.25	0.6389
TM-21-102	68.75	0.2207
TM-21-102	70.25	0.3168
TM-21-102	71.75	0.2727
TM-21-102	73.25	0.1983
TM-21-102	74.75	0.5424
TM-21-102	76.25	0.5534
TM-21-102	77.75	0.7664
TM-21-102	79.25	0.2320
TM-21-102	80.75	0.2466
TM-21-102	82.25	0.7275
TM-21-102	83.75	2.3100
TM-21-102	85.25	17.8000
TM-21-102	86.75	0.5771
TM-21-102	88.25	0.6569
TM-21-102	89.75	0.2035
TM-21-102	91.25	0.2376
TM-21-102	92.75	0.2957
TM-21-102	94.25	1.1300
TM-21-102	95.75	0.5696
TM-21-102	97.25	0.3411
TM-21-102	98.75	0.2623
TM-21-102	100.25	0.1854
TM-21-102	101.75	0.2394
TM-21-102	103.25	0.1957
TM-21-102	104.75	0.1008
TM-21-102	106.25	0.0373
TM-21-102	107.75	0.1598
TM-21-102	109.25	0.0857
TM-21-102	110.75	0.1537
TM-21-102	112.25	0.1569
TM-21-102	113.75	0.1098
TM-21-102	115.25	0.1228
TM-21-102	116.75	0.1890
TM-21-102	118.25	0.3127
TM-21-102	119.75	0.2652
TM-21-102	121.25	0.2321
TM-21-102	122.75	0.0602
TM-21-102	124.25	0.1520
TM-21-102	125.75	0.1917
TM-21-102	127.25	0.1882
TM-21-102	128.75	0.1341
TM-21-102	130.25	0.5311
TM-21-102	131.75	0.3941

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-102	133.25	0.6721
TM-21-102	134.75	0.1048
TM-21-102	136.25	0.3704
TM-21-102	137.75	0.1518
TM-21-102	139.25	0.2716
TM-21-103	6.00	0.3992
TM-21-103	7.25	0.5423
TM-21-103	8.75	0.3780
TM-21-103	10.25	0.4786
TM-21-103	11.75	0.5152
TM-21-103	13.25	0.2431
TM-21-103	14.75	0.3691
TM-21-103	16.25	0.2685
TM-21-103	17.75	0.2048
TM-21-103	19.25	0.1891
TM-21-103	20.75	0.5127
TM-21-103	22.25	0.2623
TM-21-103	23.75	0.1160
TM-21-103	25.25	0.3461
TM-21-103	26.75	0.3778
TM-21-103	28.25	0.3613
TM-21-103	29.75	0.2608
TM-21-103	31.25	0.3764
TM-21-103	32.75	0.8105
TM-21-103	34.25	0.4109
TM-21-103	35.75	0.7609
TM-21-103	37.25	0.3662
TM-21-103	38.75	0.8807
TM-21-103	40.25	0.3059
TM-21-103	41.75	0.2447
TM-21-103	43.25	0.1618
TM-21-103	44.75	0.1308
TM-21-103	46.25	0.0870
TM-21-103	47.75	0.1742
TM-21-103	49.25	0.1764
TM-21-103	50.75	0.0971
TM-21-103	52.25	0.1153
TM-21-103	53.75	0.1298
TM-21-103	55.25	0.2530
TM-21-103	56.75	0.1313
TM-21-103	58.25	0.2211
TM-21-103	59.75	0.2614
TM-21-103	61.25	0.2206
TM-21-103	62.75	0.4893
TM-21-103	64.25	0.2584
TM-21-103	65.75	0.2187
TM-21-103	67.25	0.5433
TM-21-103	68.75	7.1900
TM-21-103	70.25	0.3075
TM-21-103	71.75	0.3259
TM-21-103	73.25	0.4913
TM-21-103	74.75	0.6526
TM-21-103	76.25	0.4334
TM-21-103	77.75	1.5500
TM-21-103	79.25	0.4297
TM-21-103	80.75	0.2169
TM-21-103	82.25	0.1693
TM-21-103	83.75	0.1222
TM-21-103	85.25	0.1914
TM-21-103	86.75	0.1138
TM-21-103	88.25	0.2892
TM-21-103	89.75	0.1927
TM-21-103	91.25	0.2110
TM-21-103	92.75	0.2348
TM-21-103	94.25	0.2134
TM-21-103	95.75	0.2767
TM-21-103	97.25	0.3786
TM-21-103	98.75	0.5757
TM-21-103	100.25	0.2040
TM-21-103	101.75	0.2292
TM-21-103	103.25	0.7650

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-103	104.75	0.2121
TM-21-103	106.25	0.3108
TM-21-103	107.75	0.2035
TM-21-103	109.25	0.4848
TM-21-103	110.75	0.6556
TM-21-103	112.25	0.5681
TM-21-103	113.75	1.4500
TM-21-103	115.25	0.6880
TM-21-103	116.75	0.3403
TM-21-103	118.25	0.3111
TM-21-103	119.75	0.5188
TM-21-103	121.25	0.5193
TM-21-103	122.75	0.4890
TM-21-103	124.25	0.5794
TM-21-103	125.75	0.5491
TM-21-103	127.25	0.4014
TM-21-103	128.75	0.5071
TM-21-103	130.25	0.6038
TM-21-103	131.75	0.2829
TM-21-103	133.25	0.2808
TM-21-103	134.75	0.2558
TM-21-103	136.25	0.2125
TM-21-103	137.75	0.2574
TM-21-103	139.25	0.2485
TM-21-103	140.75	0.3447
TM-21-103	142.25	0.3188
TM-21-103	143.75	0.5695
TM-21-103	145.25	0.2023
TM-21-103	146.75	0.2026
TM-21-103	148.25	0.3611
TM-21-104	203.75	60.80
TM-21-104	205.25	3.12
TM-21-104	206.75	28.70
TM-21-104	208.25	43.90
TM-21-104	209.75	57.90
TM-21-104	211.25	52.30
TM-21-104	212.75	102.00
TM-21-104	214.25	69.70
TM-21-104	215.75	28.40
TM-21-104	217.25	2.04
TM-21-104	218.75	41.20
TM-21-104	220.25	1.17
TM-21-104	221.75	29.60
TM-21-104	223.25	1.37
TM-21-104	224.75	49.20
TM-21-104	226.25	49.70
TM-21-104	227.75	47.40
TM-21-104	229.25	45.40
TM-21-104	230.75	63.70
TM-21-104	232.25	52.00
TM-21-104	233.75	51.70
TM-21-104	235.25	64.90
TM-21-104	236.75	66.30
TM-21-104	238.25	45.80
TM-21-104	239.75	41.80
TM-21-104	241.25	35.90
TM-21-104	242.75	50.40
TM-21-104	244.25	90.90
TM-21-104	245.75	72.70
TM-21-104	247.25	64.00
TM-21-104	248.75	15.20
TM-21-104	250.25	47.50
TM-21-104	251.75	51.30
TM-21-104	253.25	37.90
TM-21-104	254.75	48.20
TM-21-104	256.25	26.30
TM-21-104	257.75	42.40
TM-21-104	259.25	55.80
TM-21-104	260.75	49.90
TM-21-104	262.25	43.60
TM-21-104	263.75	52.80

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-104	265.25	24.30
TM-21-104	266.75	45.90
TM-21-104	268.25	60.50
TM-21-104	269.75	48.30
TM-21-104	271.25	50.50
TM-21-104	272.75	53.90
TM-21-104	274.25	3.36
TM-21-104	275.75	70.80
TM-21-104	277.25	53.90
TM-21-104	278.75	81.50
TM-21-104	280.25	6.71
TM-21-104	281.75	1.28
TM-21-104	283.25	60.30
TM-21-104	284.75	41.70
TM-21-104	286.25	51.80
TM-21-105	9.00	0.4813
TM-21-105	10.25	0.4259
TM-21-105	11.75	0.3881
TM-21-105	13.25	0.3729
TM-21-105	14.75	0.3647
TM-21-105	16.25	0.4696
TM-21-105	17.75	0.4428
TM-21-105	19.25	0.3591
TM-21-105	20.75	0.3219
TM-21-105	22.25	0.3389
TM-21-105	23.75	0.4895
TM-21-105	25.25	0.2552
TM-21-105	26.75	0.3778
TM-21-105	28.25	0.3228
TM-21-105	29.75	0.3038
TM-21-105	31.25	0.3092
TM-21-105	32.75	0.3135
TM-21-105	34.25	0.2569
TM-21-105	35.75	0.2975
TM-21-105	37.25	0.2238
TM-21-105	38.75	0.2582
TM-21-105	40.25	0.4650
TM-21-105	41.75	0.3257
TM-21-105	43.25	0.3292
TM-21-105	44.75	0.3666
TM-21-105	46.25	0.5953
TM-21-105	47.75	0.1765
TM-21-105	49.25	0.2095
TM-21-105	50.75	0.2190
TM-21-105	52.25	0.2897
TM-21-105	53.75	0.1524
TM-21-105	55.25	0.4529
TM-21-105	56.75	0.4803
TM-21-105	58.25	0.3368
TM-21-105	59.75	0.4727
TM-21-105	61.25	0.3151
TM-21-105	62.75	0.6716
TM-21-105	64.25	1.5100
TM-21-105	65.75	0.6690
TM-21-105	67.25	0.2579
TM-21-105	68.75	0.3294
TM-21-105	70.25	0.5035
TM-21-105	71.75	0.3237
TM-21-105	73.25	0.3714
TM-21-105	74.75	0.6966
TM-21-105	76.25	0.3929
TM-21-105	77.75	0.3388
TM-21-105	79.25	0.2563
TM-21-105	80.75	1.1200
TM-21-105	82.25	0.4788
TM-21-105	83.75	0.4771
TM-21-105	85.25	0.2844
TM-21-105	86.75	1.1100
TM-21-105	88.25	4.2700
TM-21-105	89.75	2.2700
TM-21-105	91.25	5.5600

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-105	92.75	24.5000
TM-21-105	94.25	1.5100
TM-21-105	95.75	1.4400
TM-21-105	97.25	9.5500
TM-21-105	98.75	1.1400
TM-21-105	100.25	2.4500
TM-21-105	101.75	1.3100
TM-21-105	103.25	0.5438
TM-21-105	104.75	0.5710
TM-21-105	106.25	0.2215
TM-21-105	107.75	0.2239
TM-21-105	109.25	0.4438
TM-21-105	110.75	0.8423
TM-21-105	112.25	0.8819
TM-21-105	113.75	0.2696
TM-21-105	115.25	0.5527
TM-21-105	116.75	0.5519
TM-21-105	118.25	0.6126
TM-21-105	119.75	0.6848
TM-21-105	121.25	1.0100
TM-21-105	122.75	0.4873
TM-21-105	124.25	0.8970
TM-21-105	125.75	0.7368
TM-21-105	127.25	0.8578
TM-21-105	128.75	0.6713
TM-21-105	130.25	0.6061
TM-21-105	131.75	0.3597
TM-21-105	133.25	0.5730
TM-21-105	134.75	0.3941
TM-21-105	136.25	0.6140
TM-21-105	137.75	0.5378
TM-21-105	139.25	0.7059
TM-21-105	140.75	0.7111
TM-21-105	142.25	0.4076
TM-21-105	143.75	0.4382
TM-21-105	145.25	0.2470
TM-21-105	146.75	0.1698
TM-21-105	148.25	0.3675
TM-21-105	149.75	0.6806
TM-21-105	151.25	0.4383
TM-21-105	152.75	0.3443
TM-21-105	154.25	0.2365
TM-21-105	155.75	0.4479
TM-21-105	157.25	0.4935
TM-21-105	158.75	0.5478
TM-21-105	160.25	0.4570
TM-21-105	161.75	0.5555
TM-21-105	163.25	0.4212
TM-21-105	164.75	0.6064
TM-21-105	166.25	0.3223
TM-21-105	167.75	0.4538
TM-21-105	169.25	0.4941
TM-21-105	170.75	0.6382
TM-21-105	172.25	0.8066
TM-21-105	173.75	0.6516
TM-21-105	175.25	0.8523
TM-21-105	176.75	0.3071
TM-21-105	178.25	0.4952
TM-21-105	179.75	1.0100
TM-21-105	181.25	0.6973
TM-21-105	182.75	0.7434
TM-21-105	184.25	1.1500
TM-21-105	185.75	34.3000
TM-21-105	187.25	1.2800
TM-21-105	188.75	0.2996
TM-21-105	190.25	0.2539
TM-21-105	191.75	0.2461
TM-21-105	193.25	0.5361
TM-21-105	194.75	0.4159
TM-21-105	196.25	0.6578
TM-21-105	197.75	0.6949

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-105	199.25	1.2600
TM-21-105	200.75	3.0200
TM-21-105	202.25	3.8000
TM-21-105	203.75	2.3200
TM-21-105	205.25	2.2400
TM-21-105	206.75	2.4700
TM-21-105	208.25	1.9900
TM-21-105	209.75	2.4400
TM-21-105	211.25	0.4602
TM-21-105	212.75	44.9000
TM-21-105	214.25	21.5000
TM-21-105	215.75	15.2000
TM-21-105	217.25	3.2300
TM-21-105	218.75	5.0000
TM-21-105	220.25	6.9700
TM-21-105	221.75	0.7048
TM-21-105	223.25	0.5025
TM-21-106	5.75	0.7997
TM-21-106	7.25	0.4487
TM-21-106	8.75	0.3159
TM-21-106	10.25	0.7076
TM-21-106	11.75	0.7058
TM-21-106	13.25	1.0400
TM-21-106	14.75	0.4239
TM-21-106	16.25	0.4145
TM-21-106	17.75	0.4677
TM-21-106	19.25	1.4100
TM-21-106	20.75	0.5896
TM-21-106	22.25	0.4602
TM-21-106	23.75	0.7081
TM-21-106	25.25	0.3967
TM-21-106	26.75	0.8254
TM-21-106	28.25	0.5279
TM-21-106	29.75	0.7653
TM-21-106	31.25	0.9483
TM-21-106	32.75	0.5531
TM-21-106	34.25	0.9436
TM-21-106	35.75	0.7853
TM-21-106	37.25	0.8734
TM-21-106	38.75	0.5911
TM-21-106	40.25	0.5514
TM-21-106	41.75	0.4633
TM-21-106	43.25	0.5691
TM-21-106	44.75	0.4416
TM-21-106	46.25	0.3917
TM-21-106	47.75	0.4478
TM-21-106	49.25	0.1433
TM-21-106	50.75	0.1583
TM-21-106	52.25	0.3013
TM-21-106	53.75	0.1919
TM-21-106	55.25	0.3738
TM-21-106	56.75	0.4455
TM-21-106	58.25	0.6006
TM-21-106	59.75	0.7062
TM-21-106	61.25	0.3678
TM-21-106	62.75	0.6112
TM-21-106	64.25	0.4396
TM-21-106	65.75	0.3393
TM-21-106	67.25	0.5274
TM-21-106	68.75	0.4688
TM-21-106	70.25	0.2924
TM-21-106	71.75	0.6692
TM-21-106	73.25	0.4163
TM-21-106	74.75	0.7498
TM-21-106	76.25	0.7181
TM-21-106	77.75	0.2626
TM-21-106	79.25	0.3183
TM-21-106	80.75	0.4241
TM-21-106	82.25	0.3471
TM-21-106	83.75	0.7043
TM-21-106	85.25	0.3754

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-106	86.75	0.3877
TM-21-106	88.25	1.2300
TM-21-106	89.75	7.3400
TM-21-106	91.25	24.1000
TM-21-106	92.75	9.4000
TM-21-106	94.25	1.0900
TM-21-106	95.75	0.2765
TM-21-106	97.25	1.3100
TM-21-106	98.75	25.2000
TM-21-106	100.25	1.0500
TM-21-106	101.75	1.0200
TM-21-106	103.25	0.4835
TM-21-106	104.75	0.7962
TM-21-106	106.25	0.5322
TM-21-106	107.75	0.5356
TM-21-106	109.25	0.6313
TM-21-106	110.75	0.4195
TM-21-106	112.25	1.0500
TM-21-106	113.75	0.9851
TM-21-106	115.25	0.6634
TM-21-106	116.75	0.7115
TM-21-106	118.25	0.6275
TM-21-106	119.75	0.3780
TM-21-106	121.25	0.4249
TM-21-106	122.75	0.5661
TM-21-106	124.25	0.6269
TM-21-106	125.75	0.5582
TM-21-106	127.25	0.4911
TM-21-106	128.75	0.5585
TM-21-106	130.25	0.5595
TM-21-106	131.75	2.4300
TM-21-106	133.25	30.3000
TM-21-106	134.75	1.0700
TM-21-106	136.25	0.6936
TM-21-106	137.75	45.7000
TM-21-106	139.25	2.7900
TM-21-106	140.75	0.3107
TM-21-106	142.25	0.6724
TM-21-106	143.75	0.6993
TM-21-106	145.25	0.6472
TM-21-106	146.75	5.0000
TM-21-106	148.25	0.7978
TM-21-106	149.75	0.4909
TM-21-106	151.25	0.3747
TM-21-106	152.75	0.3926
TM-21-106	154.25	0.4150
TM-21-106	155.75	0.6700
TM-21-106	157.25	0.4053
TM-21-106	158.75	0.5437
TM-21-106	160.25	0.4168
TM-21-106	161.75	0.4204
TM-21-106	163.25	0.3515
TM-21-106	164.75	0.4988
TM-21-106	166.25	0.5657
TM-21-106	167.75	0.4594
TM-21-106	169.25	0.6826
TM-21-106	170.75	0.7811
TM-21-106	172.25	0.3952
TM-21-106	173.75	0.4128
TM-21-106	175.25	0.4646
TM-21-106	176.75	1.3100
TM-21-106	178.25	0.5741
TM-21-106	179.75	4.7000
TM-21-106	181.25	1.2700
TM-21-106	182.75	0.5472
TM-21-106	184.25	0.5327
TM-21-106	185.75	0.6593
TM-21-106	187.25	0.4580
TM-21-106	188.75	0.5346
TM-21-106	190.25	0.5296
TM-21-106	191.75	0.5102

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-106	193.25	0.3173
TM-21-106	194.75	0.2805
TM-21-106	196.25	0.3562
TM-21-106	197.75	0.4057
TM-21-106	199.25	0.6058
TM-21-106	200.75	6.6500
TM-21-106	202.25	0.5950
TM-21-106	203.75	0.9462
TM-21-106	205.25	2.4500
TM-21-106	206.75	1.4900
TM-21-106	208.25	12.3000
TM-21-106	209.75	2.8800
TM-21-106	211.25	0.5246
TM-21-106	212.75	1.1800
TM-21-106	214.25	3.6900
TM-21-106	215.75	0.7366
TM-21-106	217.25	3.0300
TM-21-106	218.75	0.5183
TM-21-106	220.25	0.7511
TM-21-106	221.75	1.0200
TM-21-106	223.25	0.5269
TM-21-106	224.75	0.6991
TM-21-106	226.25	4.7200
TM-21-106	227.75	0.6536
TM-21-106	229.25	0.4360
TM-21-107	6.10	0.5428
TM-21-107	7.25	0.5995
TM-21-107	8.75	0.7739
TM-21-107	10.25	0.7530
TM-21-107	11.75	0.3897
TM-21-107	13.25	0.8111
TM-21-107	14.75	0.5852
TM-21-107	16.25	0.4913
TM-21-107	17.75	0.4290
TM-21-107	19.25	0.4579
TM-21-107	20.75	0.4901
TM-21-107	22.25	0.5077
TM-21-107	23.75	0.4955
TM-21-107	25.25	0.5636
TM-21-107	26.75	0.4061
TM-21-107	28.25	0.4503
TM-21-107	29.75	0.3271
TM-21-107	31.25	0.2925
TM-21-107	32.75	0.6295
TM-21-107	34.25	0.8937
TM-21-107	35.75	1.4700
TM-21-107	37.25	1.3700
TM-21-107	38.75	0.4615
TM-21-107	40.25	0.6252
TM-21-107	41.75	0.9874
TM-21-107	43.25	7.6900
TM-21-107	44.75	1.0500
TM-21-107	46.25	1.2000
TM-21-107	47.75	26.2400
TM-21-107	49.25	0.7808
TM-21-107	50.75	5.4700
TM-21-107	52.25	2.5000
TM-21-107	53.75	7.7600
TM-21-107	55.25	4.7900
TM-21-107	56.75	0.8150
TM-21-107	58.25	1.7600
TM-21-107	59.75	20.4000
TM-21-107	61.25	29.8000
TM-21-107	62.75	6.9200
TM-21-107	64.25	1.0200
TM-21-107	65.75	0.8232
TM-21-107	67.25	0.8401
TM-21-107	68.75	5.3800
TM-21-107	70.25	0.4260
TM-21-107	71.75	0.1298
TM-21-107	73.25	1.5400

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-107	74.75	24.6000
TM-21-107	76.25	23.1000
TM-21-107	77.75	2.3100
TM-21-107	79.25	20.2000
TM-21-107	80.75	12.7000
TM-21-107	82.25	0.4562
TM-21-107	83.75	3.5500
TM-21-107	85.25	1.1600
TM-21-107	86.75	0.7698
TM-21-107	88.25	0.1381
TM-21-107	89.75	0.6291
TM-21-107	91.25	18.2000
TM-21-107	92.75	2.6100
TM-21-107	94.25	20.0000
TM-21-107	95.75	0.7809
TM-21-107	97.25	18.7000
TM-21-107	98.75	7.2600
TM-21-107	100.25	36.8000
TM-21-107	101.75	6.7800
TM-21-107	103.25	5.1700
TM-21-107	104.75	37.1900
TM-21-107	106.25	34.6000
TM-21-107	107.75	32.3000
TM-21-107	109.25	48.8000
TM-21-107	110.75	48.9000
TM-21-107	112.25	55.1000
TM-21-107	113.75	2.7300
TM-21-107	115.25	10.7000
TM-21-107	116.75	27.6000
TM-21-107	118.25	10.0000
TM-21-107	119.75	10.9000
TM-21-107	121.25	6.1100
TM-21-107	122.75	0.6039
TM-21-107	124.25	0.4017
TM-21-107	125.75	0.8752
TM-21-107	127.25	7.1600
TM-21-107	128.75	0.5154
TM-21-107	130.25	6.4300
TM-21-107	131.75	36.5000
TM-21-107	133.25	0.6434
TM-21-107	134.75	1.2200
TM-21-107	136.25	1.3100
TM-21-107	137.75	1.2300
TM-21-107	139.25	5.1300
TM-21-107	140.75	9.7400
TM-21-107	142.25	8.2600
TM-21-107	143.75	4.2600
TM-21-107	145.25	3.6600
TM-21-107	146.75	19.1000
TM-21-107	148.25	1.2600
TM-21-107	149.75	0.9493
TM-21-107	151.25	0.6057
TM-21-107	152.75	0.5066
TM-21-107	154.25	0.5694
TM-21-107	155.75	0.4680
TM-21-107	157.25	0.6402
TM-21-107	158.75	2.9500
TM-21-107	160.25	0.3089
TM-21-107	161.75	0.3315
TM-21-107	163.25	29.1700
TM-21-107	164.75	11.2000
TM-21-107	166.25	4.0600
TM-21-107	167.75	1.7500
TM-21-107	169.25	3.3500
TM-21-107	170.75	2.9100
TM-21-107	172.25	11.8000
TM-21-107	173.75	15.2000
TM-21-107	175.25	32.8000
TM-21-107	176.75	27.6000
TM-21-107	178.25	4.1800
TM-21-107	179.75	0.2790

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-107	181.25	5.6000
TM-21-107	182.75	7.8300
TM-21-107	184.25	29.3000
TM-21-107	185.75	8.4800
TM-21-107	187.25	12.3000
TM-21-107	188.75	3.1600
TM-21-107	190.25	8.2700
TM-21-107	191.75	3.0000
TM-21-107	193.25	23.4000
TM-21-107	194.75	22.0000
TM-21-107	196.25	13.9000
TM-21-107	197.75	0.5639
TM-21-107	199.25	0.6171
TM-21-107	200.75	0.6651
TM-21-107	202.25	1.6000
TM-21-107	203.60	4.1000
TM-21-108	4.25	0.0000
TM-21-108	5.75	0.1462
TM-21-108	7.25	0.0271
TM-21-108	8.75	0.1663
TM-21-108	10.25	0.3258
TM-21-108	11.75	0.2728
TM-21-108	13.25	0.2228
TM-21-108	14.75	0.2428
TM-21-108	16.25	0.3224
TM-21-108	17.75	0.2785
TM-21-108	19.25	0.2171
TM-21-108	20.75	0.3326
TM-21-108	22.25	0.2873
TM-21-108	23.75	0.2923
TM-21-108	25.25	0.2894
TM-21-108	26.75	0.2496
TM-21-108	28.25	0.1899
TM-21-108	29.75	0.2190
TM-21-108	31.25	0.2455
TM-21-108	32.75	0.2853
TM-21-108	34.25	0.3293
TM-21-108	35.75	0.1588
TM-21-108	37.25	1.1300
TM-21-108	38.75	0.5630
TM-21-108	40.25	0.4265
TM-21-108	41.75	0.3272
TM-21-108	43.25	0.3939
TM-21-108	44.75	0.3443
TM-21-108	46.25	0.1208
TM-21-108	47.75	0.1746
TM-21-108	49.25	0.2258
TM-21-108	50.75	0.4341
TM-21-108	52.25	1.2000
TM-21-108	53.75	0.2563
TM-21-108	55.25	0.2508
TM-21-108	56.75	0.2554
TM-21-108	58.25	0.2531
TM-21-108	59.75	0.2408
TM-21-108	61.25	0.2185
TM-21-108	62.75	0.1340
TM-21-108	64.25	0.2014
TM-21-108	65.75	0.1952
TM-21-108	67.25	0.2280
TM-21-108	68.75	0.4197
TM-21-108	70.25	0.1413
TM-21-108	71.75	0.1908
TM-21-108	73.25	0.2263
TM-21-108	74.75	0.3022
TM-21-108	76.25	0.2073
TM-21-108	77.75	1.1700
TM-21-108	79.25	0.3490
TM-21-108	80.75	0.2354
TM-21-108	82.25	0.4343
TM-21-108	83.75	0.6026
TM-21-108	85.25	0.7034

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-108	86.75	0.8034
TM-21-108	88.25	0.7263
TM-21-108	89.75	0.6986
TM-21-108	91.25	0.6824
TM-21-108	92.75	0.5610
TM-21-108	94.25	0.4918
TM-21-108	95.75	0.4086
TM-21-108	97.25	0.5403
TM-21-108	98.75	0.6667
TM-21-108	100.25	1.0200
TM-21-108	101.75	7.7800
TM-21-108	103.25	1.4900
TM-21-108	104.75	1.2900
TM-21-108	106.25	0.6800
TM-21-108	107.75	0.8399
TM-21-108	109.25	1.1300
TM-21-108	110.75	1.3800
TM-21-108	112.25	30.3000
TM-21-108	113.75	0.9966
TM-21-108	115.25	1.7900
TM-21-108	116.75	6.6100
TM-21-108	118.25	3.1600
TM-21-108	119.75	0.8982
TM-21-108	121.25	0.0820
TM-21-108	122.75	0.0748
TM-21-108	124.25	0.1898
TM-21-108	125.75	0.1309
TM-21-108	127.25	0.2051
TM-21-108	128.75	0.1559
TM-21-108	130.25	0.2044
TM-21-108	131.75	0.2220
TM-21-108	133.25	0.4515
TM-21-108	134.75	0.2366
TM-21-108	136.25	0.2249
TM-21-108	137.75	0.1981
TM-21-108	139.25	0.1190
TM-21-108	140.75	0.1838
TM-21-108	142.25	0.2241
TM-21-108	143.75	0.2708
TM-21-108	145.25	0.3657
TM-21-108	146.75	0.0500
TM-21-108	148.25	0.2454
TM-21-108	149.75	0.2958
TM-21-108	151.25	0.2720
TM-21-108	152.75	0.2890
TM-21-108	154.25	0.3990
TM-21-108	155.75	0.2028
TM-21-108	157.25	0.1773
TM-21-108	158.75	0.2155
TM-21-108	160.25	0.3478
TM-21-108	161.75	0.3909
TM-21-108	163.25	0.2828
TM-21-108	164.75	0.4854
TM-21-108	166.25	0.2538
TM-21-108	167.75	0.2189
TM-21-108	169.25	0.3085
TM-21-108	170.75	0.2160
TM-21-108	172.25	0.3443
TM-21-108	173.75	0.7393
TM-21-108	175.25	0.4865
TM-21-108	176.75	0.6840
TM-21-108	178.25	0.2672
TM-21-108	179.75	0.2183
TM-21-108	181.25	0.4434
TM-21-108	182.75	2.5200
TM-21-108	184.25	2.0300
TM-21-108	185.75	0.6033
TM-21-108	187.25	0.4804
TM-21-108	188.75	0.1512
TM-21-108	190.25	0.4512
TM-21-108	191.75	0.4375

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-108	193.25	1.1900
TM-21-108	194.75	0.1986
TM-21-108	196.25	1.9900
TM-21-108	197.75	1.4700
TM-21-108	199.25	1.3100
TM-21-108	200.75	0.5062
TM-21-108	202.25	0.6624
TM-21-108	203.75	1.3000
TM-21-108	205.25	1.9100
TM-21-108	206.75	0.5291
TM-21-108	208.25	0.3511
TM-21-108	209.75	0.3304
TM-21-108	211.25	0.2508
TM-21-108	212.75	0.3991
TM-21-108	214.25	0.4318
TM-21-108	215.75	0.4076
TM-21-108	217.25	0.4167
TM-21-108	218.75	0.4858
TM-21-108	220.25	0.5982
TM-21-108	221.75	0.2642
TM-21-108	223.25	0.8141
TM-21-108	224.75	0.3142
TM-21-108	226.25	0.2829
TM-21-108	227.75	0.2304
TM-21-108	229.25	0.3356
TM-21-108	230.75	0.2506
TM-21-108	232.25	0.3526
TM-21-108	233.75	0.4295
TM-21-108	235.25	0.2847
TM-21-108	236.75	0.3634
TM-21-108	238.25	0.3154
TM-21-108	239.75	0.6435
TM-21-108	241.25	0.3576
TM-21-108	242.75	0.2615
TM-21-108	244.25	0.3129
TM-21-108	245.75	0.1905
TM-21-108	247.25	0.2894
TM-21-108	248.75	0.3925
TM-21-108	250.25	0.2681
TM-21-108	251.75	0.3024
TM-21-108	253.25	0.3721
TM-21-108	254.75	0.3792
TM-21-108	256.25	0.3129
TM-21-108	257.75	0.1906
TM-21-108	259.25	0.3676
TM-21-108	260.75	0.3477
TM-21-108	262.25	0.3488
TM-21-108	263.75	0.3679
TM-21-108	265.25	0.1120
TM-21-108	266.75	0.2600
TM-21-108	268.25	0.3535
TM-21-108	269.75	0.1063
TM-21-108	271.25	0.1354
TM-21-108	272.75	0.1251
TM-21-108	274.25	0.1572
TM-21-108	275.75	0.3690
TM-21-108	277.25	0.1674
TM-21-108	278.75	0.2271
TM-21-108	280.25	0.3296
TM-21-108	281.75	0.2601
TM-21-108	283.25	0.2610
TM-21-108	284.75	0.2549
TM-21-108	286.25	0.3026
TM-21-108	287.75	0.3729
TM-21-108	289.25	0.2365
TM-21-108	290.75	0.1866
TM-21-108	292.25	0.2197
TM-21-108	293.75	0.2493
TM-21-108	295.25	0.1410
TM-21-108	296.75	0.3037
TM-21-108	298.25	0.2506

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-108	299.75	0.0970
TM-21-108	301.25	0.1995
TM-21-108	302.75	0.0356
TM-21-108	304.25	0.1192
TM-21-108	305.75	0.3280
TM-21-108	307.25	0.1729
TM-21-108	308.75	0.3400
TM-21-108	310.25	0.3476
TM-21-108	311.75	0.3103
TM-21-108	313.25	0.4060
TM-21-108	314.75	0.4138
TM-21-108	316.25	0.4545
TM-21-108	317.75	0.4155
TM-21-108	319.25	0.3789
TM-21-108	320.75	0.2190
TM-21-108	322.25	0.3002
TM-21-108	323.75	0.3339
TM-21-108	325.25	0.3698
TM-21-108	326.75	0.4768
TM-21-108	328.25	0.1796
TM-21-108	329.75	0.3165
TM-21-108	331.25	0.3420
TM-21-108	332.75	0.2090
TM-21-108	334.25	0.2219
TM-21-108	335.75	0.3324
TM-21-108	337.25	0.2515
TM-21-108	338.75	0.0720
TM-21-108	340.25	0.1863
TM-21-108	341.75	0.3783
TM-21-108	343.25	0.5921
TM-21-108	344.75	0.2283
TM-21-108	346.25	0.2931
TM-21-108	347.75	0.1971
TM-21-108	349.25	0.5497
TM-21-108	350.75	0.5156
TM-21-108	352.25	0.7737
TM-21-108	353.75	0.3054
TM-21-108	355.25	0.4406
TM-21-108	356.75	0.4144
TM-21-108	358.25	0.4566
TM-21-108	359.75	0.3610
TM-21-108	361.25	0.4038
TM-21-108	362.75	0.4545
TM-21-108	364.25	0.4938
TM-21-108	365.75	0.4826
TM-21-108	367.25	0.4745
TM-21-108	368.75	0.3596
TM-21-108	370.25	0.4735
TM-21-108	371.75	0.3463
TM-21-108	373.25	0.4078
TM-21-108	374.75	0.4756
TM-21-108	376.25	0.4034
TM-21-108	377.75	0.5268
TM-21-108	379.25	0.7969
TM-21-108	380.75	0.6673
TM-21-108	382.25	0.5755
TM-21-108	383.75	0.5515
TM-21-108	385.25	0.6572
TM-21-108	386.75	0.5775
TM-21-108	388.25	0.7229
TM-21-109	3.25	0.2416
TM-21-109	4.75	0.3089
TM-21-109	6.25	0.2583
TM-21-109	7.75	0.4227
TM-21-109	9.25	0.5122
TM-21-109	10.75	0.0577
TM-21-109	12.25	0.2066
TM-21-109	13.75	0.4739
TM-21-109	15.25	0.2951
TM-21-109	16.75	0.2255
TM-21-109	18.25	0.2890

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-109	19.75	0.1444
TM-21-109	21.25	0.5177
TM-21-109	22.75	0.2959
TM-21-109	24.25	0.2027
TM-21-109	25.75	0.6461
TM-21-109	27.25	0.6163
TM-21-109	28.75	0.6944
TM-21-109	30.25	0.6530
TM-21-109	31.75	0.5461
TM-21-109	33.25	0.8403
TM-21-109	34.75	0.5670
TM-21-109	36.25	0.5501
TM-21-109	37.75	0.4253
TM-21-109	39.25	0.6606
TM-21-109	40.75	0.5429
TM-21-109	42.25	0.4052
TM-21-109	43.75	0.4782
TM-21-109	45.25	0.3936
TM-21-109	46.75	0.8074
TM-21-109	48.25	0.4527
TM-21-109	49.75	1.3500
TM-21-109	51.25	1.8400
TM-21-109	52.75	1.0700
TM-21-109	54.25	0.5708
TM-21-109	55.75	0.5717
TM-21-109	57.25	0.5959
TM-21-109	58.75	0.4810
TM-21-109	60.25	0.4935
TM-21-109	61.75	0.5325
TM-21-109	63.25	0.3659
TM-21-109	64.75	0.4870
TM-21-109	66.25	0.5654
TM-21-109	67.75	0.6002
TM-21-109	69.25	0.7038
TM-21-109	70.75	0.4798
TM-21-109	72.25	0.3705
TM-21-109	73.75	0.6235
TM-21-109	75.25	0.8758
TM-21-109	76.75	1.0000
TM-21-109	78.25	0.4917
TM-21-109	79.75	0.3585
TM-21-109	81.25	0.4930
TM-21-109	82.75	0.5591
TM-21-109	84.25	0.5849
TM-21-109	85.75	0.4987
TM-21-109	87.25	0.3606
TM-21-109	88.75	0.3804
TM-21-109	90.25	0.4504
TM-21-109	91.75	0.3443
TM-21-109	93.25	0.2718
TM-21-109	94.75	0.3292
TM-21-109	96.25	0.3511
TM-21-109	97.75	0.3265
TM-21-109	99.25	0.3904
TM-21-109	100.75	0.2399
TM-21-109	102.25	0.3103
TM-21-109	103.75	0.3881
TM-21-109	105.25	0.6497
TM-21-109	106.75	0.4203
TM-21-109	108.25	1.3600
TM-21-109	109.75	0.7656
TM-21-109	111.25	0.5092
TM-21-109	112.75	0.4235
TM-21-109	114.25	0.6284
TM-21-109	115.75	0.6129
TM-21-109	117.25	0.7086
TM-21-109	118.75	0.5826
TM-21-109	120.25	0.2354
TM-21-109	121.75	0.4178
TM-21-109	123.25	0.5922
TM-21-109	124.75	0.3826

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-109	126.25	0.4257
TM-21-109	127.75	0.4415
TM-21-109	129.25	0.4774
TM-21-109	130.75	0.4144
TM-21-109	132.25	0.6123
TM-21-109	133.75	0.2429
TM-21-109	135.25	0.2631
TM-21-109	136.75	0.5444
TM-21-109	138.25	0.2911
TM-21-109	139.75	0.5252
TM-21-109	141.25	0.4353
TM-21-109	142.75	0.4642
TM-21-109	144.25	0.4388
TM-21-109	145.75	0.6513
TM-21-109	147.25	0.6773
TM-21-109	148.75	0.5334
TM-21-109	150.25	0.4418
TM-21-109	151.75	0.4915
TM-21-109	153.25	0.2715
TM-21-109	154.75	0.5339
TM-21-109	156.25	0.4763
TM-21-109	157.75	0.3873
TM-21-109	159.25	0.4338
TM-21-109	160.75	0.4259
TM-21-109	162.25	0.4089
TM-21-109	163.75	1.0100
TM-21-109	165.25	0.3685
TM-21-109	166.75	0.2759
TM-21-109	168.25	0.3863
TM-21-109	169.75	0.3745
TM-21-109	171.25	0.4414
TM-21-110	3.00	47.40
TM-21-110	4.25	60.90
TM-21-110	5.75	59.90
TM-21-110	7.25	13.70
TM-21-110	8.75	17.40
TM-21-110	10.25	61.20
TM-21-110	11.75	77.40
TM-21-110	13.25	37.10
TM-21-110	14.75	32.80
TM-21-110	16.25	50.70
TM-21-110	17.75	1.48
TM-21-110	19.25	10.20
TM-21-110	20.75	37.10
TM-21-110	22.25	36.80
TM-21-110	23.75	92.60
TM-21-110	25.25	73.40
TM-21-110	26.75	105.00
TM-21-110	28.25	75.40
TM-21-110	29.75	69.90
TM-21-110	31.25	59.00
TM-21-110	32.75	33.10
TM-21-110	34.25	45.80
TM-21-110	35.75	47.70
TM-21-110	37.25	62.50
TM-21-110	38.75	68.50
TM-21-110	40.25	69.90
TM-21-110	41.75	62.80
TM-21-110	43.25	74.70
TM-21-110	44.75	79.50
TM-21-110	46.25	67.60
TM-21-110	47.75	58.70
TM-21-110	49.25	56.30
TM-21-110	50.75	65.90
TM-21-110	52.25	55.10
TM-21-110	53.75	12.80
TM-21-110	55.25	6.77
TM-21-110	56.75	83.30
TM-21-110	58.25	48.00
TM-21-110	59.75	40.40
TM-21-110	61.25	32.20

Mag Sus		
Hole No.	Depth	10-3 Sl
TM-21-110	62.75	51.30
TM-21-110	64.25	57.60
TM-21-110	65.75	49.80
TM-21-110	67.25	56.20
TM-21-110	68.75	56.70
TM-21-110	70.25	51.30
TM-21-110	71.75	61.00
TM-21-110	73.25	56.70
TM-21-110	74.75	44.00
TM-21-110	76.25	57.80
TM-21-110	77.75	8.79
TM-21-110	79.25	6.83
TM-21-110	80.75	4.01
TM-21-110	82.25	2.13
TM-21-110	83.75	3.01
TM-21-110	85.25	48.30
TM-21-110	86.75	51.20
TM-21-110	88.25	56.30
TM-21-110	89.75	53.50
TM-21-110	91.25	49.60
TM-21-110	92.75	67.60
TM-21-110	94.25	52.30
TM-21-110	95.75	63.50
TM-21-110	97.25	44.60
TM-21-110	98.75	39.10
TM-21-110	100.25	27.20
TM-21-110	101.75	48.20
TM-21-110	103.25	61.70
TM-21-110	104.75	54.10
TM-21-110	106.25	61.40
TM-21-110	107.75	62.40
TM-21-110	109.25	44.00
TM-21-110	110.75	45.80
TM-21-110	112.25	52.40
TM-21-110	113.75	39.00
TM-21-110	115.25	32.50
TM-21-110	116.75	26.60
TM-21-110	118.25	40.30
TM-21-110	119.75	47.00
TM-21-110	121.25	52.90
TM-21-110	122.75	38.40
TM-21-110	124.25	43.10
TM-21-110	125.75	48.80
TM-21-110	127.25	31.40
TM-21-110	128.75	32.40
TM-21-110	130.25	45.30
TM-21-110	131.75	45.40
TM-21-110	133.25	32.00
TM-21-110	134.75	30.20
TM-21-110	136.25	53.10
TM-21-110	137.75	39.80
TM-21-110	139.25	54.60
TM-21-110	140.75	49.80
TM-21-110	142.25	32.00
TM-21-111	3.00	0.1792
TM-21-111	4.25	0.1664
TM-21-111	5.75	0.2600
TM-21-111	7.25	5.4300
TM-21-111	8.75	0.3456
TM-21-111	10.25	0.3015
TM-21-111	11.75	0.4107
TM-21-111	13.25	5.8000
TM-21-111	14.75	3.4400
TM-21-111	16.25	1.0400
TM-21-111	17.75	21.6000
TM-21-111	19.25	4.9400
TM-21-111	20.75	0.3803
TM-21-111	22.25	0.2591
TM-21-111	23.75	0.3999
TM-21-111	25.25	0.3578
TM-21-111	26.75	0.2899

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-111	28.25	0.5619
TM-21-111	29.75	0.4568
TM-21-111	31.25	0.1794
TM-21-111	32.75	0.2188
TM-21-111	34.25	4.6300
TM-21-111	35.75	33.4000
TM-21-111	37.25	36.8000
TM-21-111	38.75	15.0000
TM-21-111	40.25	2.2100
TM-21-111	41.75	0.5859
TM-21-111	43.25	0.2699
TM-21-111	44.75	0.2645
TM-21-111	46.25	0.3617
TM-21-111	47.75	0.5821
TM-21-111	49.25	0.4923
TM-21-111	50.75	0.4633
TM-21-111	52.25	2.2000
TM-21-111	53.75	1.2500
TM-21-111	55.25	1.5200
TM-21-111	56.75	46.2000
TM-21-111	58.25	4.9700
TM-21-111	59.75	57.0000
TM-21-111	61.25	33.2000
TM-21-111	62.75	28.2000
TM-21-111	64.25	36.0000
TM-21-111	65.75	4.7500
TM-21-111	67.25	0.3234
TM-21-111	68.75	0.2952
TM-21-111	70.25	0.2568
TM-21-111	71.75	0.7845
TM-21-111	73.25	0.7558
TM-21-111	74.75	0.5448
TM-21-111	76.25	0.6862
TM-21-111	77.75	1.9600
TM-21-111	79.25	21.8000
TM-21-111	80.75	0.9277
TM-21-111	82.25	0.5403
TM-21-111	83.75	2.8400
TM-21-111	85.25	1.3900
TM-21-111	86.75	11.9000
TM-21-111	88.25	21.9000
TM-21-111	89.75	0.6641
TM-21-111	91.25	15.5000
TM-21-111	92.75	5.8200
TM-21-111	94.25	11.6000
TM-21-111	95.75	13.9000
TM-21-111	97.25	13.8000
TM-21-111	98.75	7.6300
TM-21-111	100.25	0.7659
TM-21-111	101.75	0.6069
TM-21-111	103.25	0.7726
TM-21-111	104.75	0.3239
TM-21-111	106.25	0.3066
TM-21-111	107.75	0.2479
TM-21-111	109.25	0.2313
TM-21-111	110.75	0.2077
TM-21-111	112.25	0.2919
TM-21-111	113.75	0.1620
TM-21-111	115.25	0.1984
TM-21-111	116.75	0.4415
TM-21-111	118.25	0.2271
TM-21-111	119.75	0.2489
TM-21-111	121.25	1.0300
TM-21-111	122.75	0.3601
TM-21-111	124.25	0.2768
TM-21-111	125.75	0.5649
TM-21-111	127.25	0.3028
TM-21-111	128.75	0.3944
TM-21-111	130.25	1.3900
TM-21-111	131.75	0.7086
TM-21-111	133.25	0.5398

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-111	134.75	2.7700
TM-21-111	136.25	38.4000
TM-21-111	137.75	0.9514
TM-21-111	139.25	0.4531
TM-21-111	140.75	0.7178
TM-21-111	142.25	6.0500
TM-21-111	143.75	5.9900
TM-21-111	145.25	2.5500
TM-21-111	146.75	3.3400
TM-21-111	148.25	45.6000
TM-21-111	149.75	16.3000
TM-21-111	151.25	1.4000
TM-21-111	152.75	0.4286
TM-21-111	154.25	0.2950
TM-21-111	155.75	0.3617
TM-21-111	157.25	0.6959
TM-21-111	158.75	1.5500
TM-21-111	160.25	16.3000
TM-21-111	161.75	6.2800
TM-21-111	163.25	0.4487
TM-21-111	164.75	18.7000
TM-21-111	166.25	5.2800
TM-21-111	167.75	42.2000
TM-21-111	169.25	1.1600
TM-21-111	170.75	0.3648
TM-21-111	172.25	0.6368
TM-21-111	173.75	5.7300
TM-21-111	175.25	40.0000
TM-21-111	176.75	14.2000
TM-21-111	178.25	8.8000
TM-21-111	179.75	0.7475
TM-21-111	181.25	3.7900
TM-21-111	182.75	0.4345
TM-21-111	184.25	0.3277
TM-21-111	185.75	0.3518
TM-21-111	187.25	0.7661
TM-21-111	188.75	8.9600
TM-21-111	190.25	71.9000
TM-21-111	191.75	5.8800
TM-21-111	193.25	14.7000
TM-21-111	194.75	3.3800
TM-21-111	196.25	33.2000
TM-21-111	197.75	6.6200
TM-21-111	199.25	49.2000
TM-21-111	200.75	4.4800
TM-21-111	202.25	34.0000
TM-21-111	203.75	64.1000
TM-21-111	205.25	24.2000
TM-21-111	206.75	8.5700
TM-21-111	208.25	0.6137
TM-21-112	7.25	0.3932
TM-21-112	8.75	0.3802
TM-21-112	10.25	0.3335
TM-21-112	11.75	0.3635
TM-21-112	13.25	0.3925
TM-21-112	14.75	0.3736
TM-21-112	16.25	0.3953
TM-21-112	17.75	0.2674
TM-21-112	19.25	0.3100
TM-21-112	20.75	0.3825
TM-21-112	22.25	0.3386
TM-21-112	23.75	0.4357
TM-21-112	25.25	0.3421
TM-21-112	26.75	1.1600
TM-21-112	28.25	0.7758
TM-21-112	29.75	0.5793
TM-21-112	31.25	0.7296
TM-21-112	32.75	0.9385
TM-21-112	34.25	0.3743
TM-21-112	35.75	0.2879
TM-21-112	37.25	0.3717

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-112	38.75	0.2568
TM-21-112	40.25	0.6353
TM-21-112	41.75	0.2942
TM-21-112	43.25	0.2825
TM-21-112	44.75	0.3883
TM-21-112	46.25	0.3536
TM-21-112	47.75	0.4166
TM-21-112	49.25	0.2747
TM-21-112	50.75	0.2607
TM-21-112	52.25	0.3575
TM-21-112	53.75	0.3511
TM-21-112	55.25	0.3689
TM-21-112	56.75	0.2392
TM-21-112	58.25	0.3821
TM-21-112	59.75	0.3534
TM-21-112	61.25	0.2613
TM-21-112	62.75	0.3643
TM-21-112	64.25	0.2600
TM-21-112	65.75	0.1238
TM-21-112	67.25	0.2526
TM-21-112	68.75	0.3127
TM-21-112	70.25	0.2144
TM-21-112	71.75	0.1974
TM-21-112	73.25	0.1707
TM-21-112	74.75	0.3025
TM-21-112	76.25	0.2551
TM-21-112	77.75	0.3300
TM-21-112	79.25	0.1901
TM-21-112	80.75	0.2971
TM-21-112	82.25	0.2978
TM-21-112	83.75	0.6275
TM-21-112	85.25	0.7704
TM-21-112	86.75	1.0500
TM-21-112	88.25	1.0300
TM-21-112	89.75	0.4344
TM-21-112	91.25	0.5892
TM-21-112	92.75	0.8457
TM-21-112	94.25	0.7879
TM-21-112	95.75	0.7319
TM-21-112	97.25	1.0800
TM-21-112	98.75	0.3791
TM-21-112	100.25	0.2361
TM-21-112	101.75	0.2540
TM-21-112	103.25	0.2338
TM-21-112	104.75	0.2344
TM-21-112	106.25	0.3066
TM-21-112	107.75	0.2524
TM-21-112	109.25	0.4845
TM-21-112	110.75	0.4199
TM-21-112	112.25	0.1553
TM-21-112	113.75	0.2836
TM-21-112	115.25	0.2259
TM-21-112	116.75	0.5693
TM-21-112	118.25	0.2575
TM-21-112	119.75	0.2231
TM-21-112	121.25	0.1628
TM-21-112	122.75	0.2665
TM-21-112	124.25	0.2257
TM-21-112	125.75	0.2957
TM-21-112	127.25	0.3062
TM-21-112	128.75	0.2822
TM-21-112	130.25	0.1259
TM-21-112	131.75	0.2872
TM-21-112	133.25	0.3576
TM-21-112	134.75	0.3246
TM-21-112	136.25	0.3377
TM-21-112	137.75	0.2667
TM-21-112	139.25	0.2411
TM-21-112	140.75	0.3278
TM-21-112	142.25	0.3460
TM-21-112	143.75	0.4229

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-112	145.25	0.2371
TM-21-112	146.75	0.1411
TM-21-112	148.25	0.1583
TM-21-112	149.75	0.5868
TM-21-112	151.25	0.4499
TM-21-112	152.75	0.2954
TM-21-112	154.25	0.3505
TM-21-112	155.75	0.1564
TM-21-112	157.25	0.1452
TM-21-112	158.75	0.4627
TM-21-112	160.25	0.8286
TM-21-112	161.75	1.0300
TM-21-112	163.25	2.5800
TM-21-112	164.75	2.2300
TM-21-112	166.25	1.6900
TM-21-112	167.75	1.1500
TM-21-112	169.25	1.4000
TM-21-112	170.75	1.4600
TM-21-112	172.25	2.6500
TM-21-112	173.75	1.6800
TM-21-112	175.25	0.5886
TM-21-112	176.75	0.5804
TM-21-112	178.25	0.1274
TM-21-112	179.75	0.2723
TM-21-112	181.25	0.2607
TM-21-112	182.75	0.2742
TM-21-112	184.25	0.3149
TM-21-112	185.75	0.7257
TM-21-112	187.25	1.2400
TM-21-112	188.75	0.6429
TM-21-112	190.25	0.5220
TM-21-112	191.75	0.3224
TM-21-112	193.25	0.5723
TM-21-113	7.00	0.2904
TM-21-113	8.75	0.2545
TM-21-113	10.25	0.1895
TM-21-113	11.75	0.3138
TM-21-113	13.25	0.2898
TM-21-113	14.75	0.2841
TM-21-113	16.25	0.1863
TM-21-113	17.75	0.3938
TM-21-113	19.25	0.2875
TM-21-113	20.75	0.2540
TM-21-113	22.25	0.3731
TM-21-113	23.75	0.3203
TM-21-113	25.25	0.3223
TM-21-113	26.75	0.2487
TM-21-113	28.25	0.3301
TM-21-113	29.75	0.2848
TM-21-113	31.25	0.2480
TM-21-113	32.75	0.2489
TM-21-113	34.25	0.3235
TM-21-113	35.75	0.2623
TM-21-113	37.25	0.2746
TM-21-113	38.75	0.2349
TM-21-113	40.25	0.5223
TM-21-113	41.75	0.4914
TM-21-113	43.25	0.4112
TM-21-113	44.75	0.4036
TM-21-113	46.25	0.4983
TM-21-113	47.75	0.5098
TM-21-113	49.25	0.5048
TM-21-113	50.75	0.5179
TM-21-113	52.25	0.3067
TM-21-113	53.75	0.5027
TM-21-113	55.25	0.5069
TM-21-113	56.75	0.4690
TM-21-113	58.25	0.5278
TM-21-113	59.75	0.5718
TM-21-113	61.25	0.5667
TM-21-113	62.75	0.4411

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-113	64.25	0.5485
TM-21-113	65.75	0.6666
TM-21-113	67.25	0.8779
TM-21-113	68.75	0.6612
TM-21-113	70.25	0.7869
TM-21-113	71.75	0.4082
TM-21-113	73.25	0.4381
TM-21-113	74.75	0.3717
TM-21-113	76.25	0.2120
TM-21-113	77.75	0.3566
TM-21-113	79.25	0.4550
TM-21-113	80.75	0.4191
TM-21-113	82.25	0.3361
TM-21-113	83.75	0.3009
TM-21-113	85.25	0.3227
TM-21-113	86.75	0.4676
TM-21-113	88.25	0.6850
TM-21-113	89.75	0.4307
TM-21-113	91.25	0.5366
TM-21-113	92.75	0.7188
TM-21-113	94.25	0.2913
TM-21-113	95.75	0.9149
TM-21-113	97.25	0.3095
TM-21-113	98.75	0.2344
TM-21-113	100.25	0.2272
TM-21-113	101.75	0.2204
TM-21-113	103.25	0.2221
TM-21-113	104.75	0.6508
TM-21-113	106.25	0.6933
TM-21-113	107.75	0.3771
TM-21-113	109.25	0.4957
TM-21-113	110.75	0.3279
TM-21-113	112.25	0.3925
TM-21-113	113.75	0.3985
TM-21-113	115.25	0.3765
TM-21-113	116.75	0.3142
TM-21-113	118.25	0.2944
TM-21-113	119.75	0.3034
TM-21-113	121.25	0.4870
TM-21-113	122.75	0.3553
TM-21-113	124.25	0.3421
TM-21-113	125.75	0.4138
TM-21-113	127.25	0.4112
TM-21-113	128.75	0.4872
TM-21-113	130.25	0.3920
TM-21-113	131.75	0.4995
TM-21-113	133.25	0.3480
TM-21-113	134.75	0.3576
TM-21-113	136.25	0.2514
TM-21-113	137.75	0.3912
TM-21-113	139.25	0.3498
TM-21-113	140.75	0.4489
TM-21-113	142.25	0.9025
TM-21-113	143.75	7.9200
TM-21-113	145.25	0.4962
TM-21-113	146.75	0.5260
TM-21-113	148.25	0.4564
TM-21-113	149.75	0.5558
TM-21-113	151.25	0.6050
TM-21-113	152.75	0.4112
TM-21-113	154.25	0.3973
TM-21-113	155.75	0.7208
TM-21-113	157.25	0.9350
TM-21-113	158.75	0.6604
TM-21-113	160.25	0.8675
TM-21-113	161.75	1.2600
TM-21-113	163.25	0.6616
TM-21-113	164.75	0.4450
TM-21-113	166.25	0.4358
TM-21-113	167.75	0.4653
TM-21-113	169.25	0.5256

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-113	170.75	0.3282
TM-21-113	172.25	0.3169
TM-21-113	173.75	0.3170
TM-21-113	175.25	0.4153
TM-21-113	176.75	0.5332
TM-21-113	178.25	0.4994
TM-21-113	179.75	0.4210
TM-21-113	181.25	0.7508
TM-21-113	182.75	0.5173
TM-21-113	184.25	0.5609
TM-21-113	185.75	0.4437
TM-21-113	187.25	0.5979
TM-21-113	188.75	1.0200
TM-21-113	190.25	0.2337
TM-21-113	191.75	0.3001
TM-21-113	193.25	0.3859
TM-21-113	194.75	0.3632
TM-21-113	196.25	0.2050
TM-21-113	197.75	0.3339
TM-21-113	199.25	0.2056
TM-21-113	200.75	0.1567
TM-21-113	202.25	0.2623
TM-21-113	203.75	0.2864
TM-21-113	205.25	0.1789
TM-21-113	206.75	0.3148
TM-21-113	208.25	0.4104
TM-21-113	209.75	0.1372
TM-21-113	211.25	0.1814
TM-21-113	212.75	0.1083
TM-21-113	214.25	0.1267
TM-21-113	215.75	0.3583
TM-21-113	217.25	0.1313
TM-21-113	218.75	0.1712
TM-21-113	220.25	0.1645
TM-21-113	221.75	0.2554
TM-21-113	223.25	0.2777
TM-21-114	8.50	0.4381
TM-21-114	10.25	0.3855
TM-21-114	11.75	0.3070
TM-21-114	13.25	0.3116
TM-21-114	14.75	0.3782
TM-21-114	16.25	0.3495
TM-21-114	17.75	0.3127
TM-21-114	19.25	0.3709
TM-21-114	20.75	0.3598
TM-21-114	22.25	0.4325
TM-21-114	23.75	0.4903
TM-21-114	25.25	0.4786
TM-21-114	26.75	0.3812
TM-21-114	28.25	0.3387
TM-21-114	29.75	0.1856
TM-21-114	31.25	0.1499
TM-21-114	32.75	0.2691
TM-21-114	34.25	0.2860
TM-21-114	35.75	0.3775
TM-21-114	37.25	0.2643
TM-21-114	38.75	0.3061
TM-21-114	40.25	0.2040
TM-21-114	41.75	0.3836
TM-21-114	43.25	0.2766
TM-21-114	44.75	0.2956
TM-21-114	46.25	0.2971
TM-21-114	47.75	0.2531
TM-21-114	49.25	0.3155
TM-21-114	50.75	0.2526
TM-21-114	52.25	0.3405
TM-21-114	53.75	0.4090
TM-21-114	55.25	0.4213
TM-21-114	56.75	0.3451
TM-21-114	58.25	0.4283
TM-21-114	59.75	0.4651

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-114	61.25	0.4861
TM-21-114	62.75	0.4605
TM-21-114	64.25	0.4808
TM-21-114	65.75	0.4247
TM-21-114	67.25	0.4049
TM-21-114	68.75	0.4001
TM-21-114	70.25	0.4458
TM-21-114	71.75	0.4357
TM-21-114	73.25	0.4339
TM-21-114	74.75	0.3400
TM-21-114	76.25	0.3495
TM-21-114	77.75	0.4028
TM-21-114	79.25	0.4533
TM-21-114	80.75	0.4719
TM-21-114	82.25	0.4458
TM-21-114	83.75	0.5580
TM-21-114	85.25	0.6187
TM-21-114	86.75	0.6429
TM-21-114	88.25	0.4325
TM-21-114	89.75	0.4232
TM-21-114	91.25	0.3429
TM-21-114	92.75	0.3349
TM-21-114	94.25	0.4698
TM-21-114	95.75	0.4712
TM-21-114	97.25	0.2956
TM-21-114	98.75	0.2203
TM-21-114	100.25	0.1488
TM-21-114	101.75	0.4438
TM-21-114	103.25	0.3139
TM-21-114	104.75	0.2743
TM-21-114	106.25	0.4741
TM-21-114	107.75	0.3105
TM-21-114	109.25	0.4370
TM-21-114	110.75	0.3641
TM-21-114	112.25	0.6622
TM-21-114	113.75	0.9483
TM-21-114	115.25	1.9900
TM-21-114	116.75	1.2300
TM-21-114	118.25	0.2113
TM-21-114	119.75	0.1894
TM-21-114	121.25	0.1960
TM-21-114	122.75	0.1156
TM-21-114	124.25	0.3397
TM-21-114	125.75	0.1878
TM-21-114	127.25	0.5498
TM-21-114	128.75	0.3845
TM-21-114	130.25	0.1401
TM-21-114	131.75	0.3722
TM-21-114	133.25	0.6751
TM-21-114	134.75	0.6754
TM-21-114	136.25	0.2322
TM-21-114	137.75	0.2604
TM-21-114	139.25	0.1861
TM-21-114	140.75	0.5730
TM-21-114	142.25	0.3648
TM-21-114	143.75	0.4060
TM-21-114	145.25	0.8691
TM-21-114	146.75	0.4214
TM-21-114	148.25	0.4585
TM-21-114	149.75	0.2595
TM-21-114	151.25	0.3622
TM-21-114	152.75	0.2361
TM-21-114	154.25	0.2939
TM-21-114	155.75	0.3109
TM-21-114	157.25	0.2583
TM-21-114	158.75	0.2326
TM-21-114	160.25	0.2545
TM-21-114	161.75	0.4870
TM-21-114	163.25	0.2937
TM-21-114	164.75	0.2558
TM-21-114	166.25	0.3653

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-114	167.75	1.2500
TM-21-114	169.25	1.3300
TM-21-114	170.75	0.5245
TM-21-114	172.25	0.6384
TM-21-114	173.75	0.8270
TM-21-114	175.25	0.4305
TM-21-114	176.75	0.4876
TM-21-114	178.25	0.9526
TM-21-114	179.75	1.0100
TM-21-114	181.25	1.5500
TM-21-114	182.75	1.6000
TM-21-114	184.25	1.4000
TM-21-114	185.75	15.5000
TM-21-114	187.25	2.8300
TM-21-114	188.75	35.5000
TM-21-114	190.25	2.5200
TM-21-114	191.75	0.3890
TM-21-114	193.25	0.5752
TM-21-114	194.75	0.4440
TM-21-114	196.25	1.0300
TM-21-114	197.75	0.5600
TM-21-114	199.25	0.2894
TM-21-114	200.75	0.4395
TM-21-114	202.25	0.6295
TM-21-114	203.75	0.2636
TM-21-114	205.25	0.6419
TM-21-114	206.75	36.9000
TM-21-114	208.25	32.8000
TM-21-114	209.75	2.2500
TM-21-114	211.25	0.4562
TM-21-115	16.75	0.5373
TM-21-115	18.00	0.3583
TM-21-115	19.25	0.3410
TM-21-115	20.75	0.3607
TM-21-115	22.25	0.3131
TM-21-115	23.75	0.3504
TM-21-115	25.25	0.3580
TM-21-115	26.75	0.3022
TM-21-115	28.25	0.5111
TM-21-115	29.75	0.4802
TM-21-115	31.25	0.4346
TM-21-115	32.75	0.4311
TM-21-115	34.25	0.3454
TM-21-115	35.75	0.2961
TM-21-115	37.25	0.3951
TM-21-115	38.75	0.4332
TM-21-115	40.25	0.3910
TM-21-115	41.75	0.4413
TM-21-115	43.25	0.4032
TM-21-115	44.75	0.4036
TM-21-115	46.25	0.3946
TM-21-115	47.75	0.4506
TM-21-115	49.25	0.4203
TM-21-115	50.75	0.4225
TM-21-115	52.25	0.3671
TM-21-115	53.75	0.3559
TM-21-115	55.25	0.4232
TM-21-115	56.75	0.8647
TM-21-115	58.25	0.2831
TM-21-115	59.75	0.2753
TM-21-115	61.25	0.3557
TM-21-115	62.75	0.3397
TM-21-115	64.25	0.3664
TM-21-115	65.75	0.3770
TM-21-115	67.25	0.5074
TM-21-115	68.75	0.4789
TM-21-115	70.25	0.3516
TM-21-115	71.75	0.3205
TM-21-115	73.25	0.2597
TM-21-115	74.75	0.3804
TM-21-115	76.25	0.3567

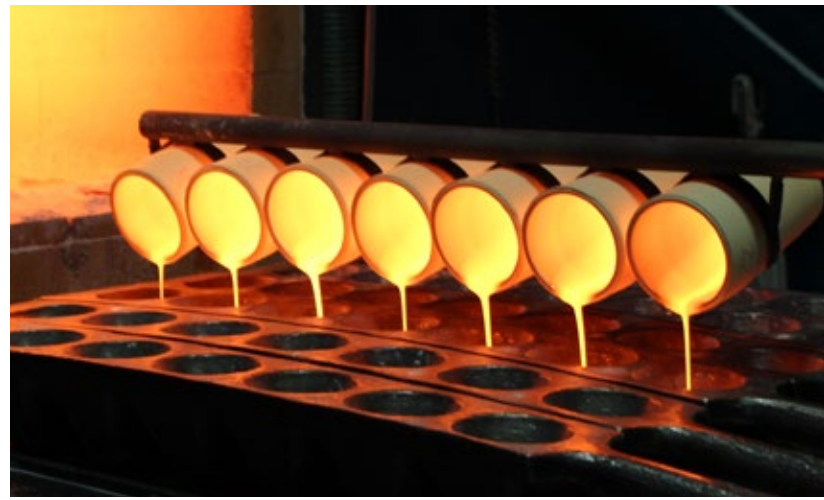
Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-115	77.75	0.3409
TM-21-115	79.25	0.2877
TM-21-115	80.75	0.2968
TM-21-115	82.25	0.2779
TM-21-115	83.75	0.3397
TM-21-115	85.25	0.3274
TM-21-115	86.75	0.3698
TM-21-115	88.25	0.2627
TM-21-115	89.75	0.2687
TM-21-115	91.25	0.2259
TM-21-115	92.75	0.2549
TM-21-115	94.25	0.2012
TM-21-115	95.75	0.2899
TM-21-115	97.25	0.2924
TM-21-115	98.75	0.2867
TM-21-115	100.25	0.1729
TM-21-115	101.75	0.3138
TM-21-115	103.25	0.3701
TM-21-115	104.75	0.3136
TM-21-115	106.25	0.2834
TM-21-115	107.75	0.2755
TM-21-115	109.25	0.3036
TM-21-115	110.75	0.1982
TM-21-115	112.25	0.3671
TM-21-115	113.75	0.3210
TM-21-115	115.25	0.5563
TM-21-115	116.75	0.2627
TM-21-115	118.25	0.3320
TM-21-115	119.75	0.2378
TM-21-115	121.25	0.2488
TM-21-115	122.75	0.2481
TM-21-115	124.25	0.2414
TM-21-115	125.75	0.2810
TM-21-115	127.25	0.3117
TM-21-115	128.75	0.2763
TM-21-115	130.25	0.2072
TM-21-116	16.90	0.3517
TM-21-116	18.00	0.4442
TM-21-116	19.25	0.4559
TM-21-116	20.75	0.3688
TM-21-116	22.25	0.2727
TM-21-116	23.75	0.3775
TM-21-116	25.25	0.2173
TM-21-116	26.75	0.3081
TM-21-116	28.25	0.3822
TM-21-116	29.75	0.3315
TM-21-116	31.25	0.3293
TM-21-116	32.75	0.4429
TM-21-116	34.25	0.4558
TM-21-116	35.75	0.4178
TM-21-116	37.25	0.2981
TM-21-116	38.75	0.4858
TM-21-116	40.25	0.3182
TM-21-116	41.75	0.3746
TM-21-116	43.25	0.4338
TM-21-116	44.75	0.4709
TM-21-116	46.25	0.4477
TM-21-116	47.75	0.5466
TM-21-116	49.25	0.4484
TM-21-116	50.75	0.4351
TM-21-116	52.25	0.3632
TM-21-116	53.75	0.3940
TM-21-116	55.25	0.3668
TM-21-116	56.75	0.4047
TM-21-116	58.25	0.4288
TM-21-116	59.75	0.4093
TM-21-116	61.25	0.2774
TM-21-116	62.75	0.2640
TM-21-116	64.25	0.3847
TM-21-116	65.75	0.4107
TM-21-116	67.25	0.3389

Mag Sus		
Hole No.	Depth	10-3 SI
TM-21-116	68.75	0.3590
TM-21-116	70.25	0.3085
TM-21-116	71.75	0.4155
TM-21-116	73.25	0.3814
TM-21-116	74.75	0.3283
TM-21-116	76.25	0.4160
TM-21-116	77.75	0.4153
TM-21-116	79.25	0.3875
TM-21-116	80.75	0.3772
TM-21-116	82.25	0.4101
TM-21-116	83.75	0.3880
TM-21-116	85.25	0.4167
TM-21-116	86.75	0.4398
TM-21-116	88.25	0.3671
TM-21-116	89.75	0.3814
TM-21-116	91.25	0.4271
TM-21-116	92.75	0.4406
TM-21-116	94.25	0.3316
TM-21-116	95.75	0.3917
TM-21-116	97.25	0.4496
TM-21-116	98.75	0.3967
TM-21-116	100.25	0.6159
TM-21-116	101.75	0.3818
TM-21-116	103.25	0.3671
TM-21-116	104.75	0.3534
TM-21-116	106.25	0.3499
TM-21-116	107.75	0.3057
TM-21-116	109.25	0.2236
TM-21-116	110.75	0.3519
TM-21-116	112.25	0.3996
TM-21-116	113.75	0.3628
TM-21-116	115.25	0.3997
TM-21-116	116.75	0.3774
TM-21-116	118.25	0.3050
TM-21-116	119.75	0.3070
TM-21-116	121.25	0.2670
TM-21-116	122.75	0.2431
TM-21-116	124.25	0.2503
TM-21-116	125.75	0.3057
TM-21-116	127.25	0.3057
TM-21-116	128.75	0.3688
TM-21-116	130.25	0.3450
TM-21-116	131.75	0.5658
TM-21-116	133.25	0.6277
TM-21-116	134.75	0.2792
TM-21-116	136.25	0.2420
TM-21-116	137.75	0.2798
TM-21-116	139.25	0.3200
TM-21-116	140.75	0.4461
TM-21-116	142.25	0.5843
TM-21-116	143.75	0.4713
TM-21-116	145.25	0.2497
TM-21-116	146.75	0.2802
TM-21-116	148.25	0.2792
TM-21-116	149.75	0.4735
TM-21-116	151.25	0.3948
TM-21-116	152.75	0.4428
TM-21-116	154.25	0.4555
TM-21-116	155.75	0.4711
TM-21-116	157.25	0.5142
TM-21-116	158.75	0.3111
TM-21-116	160.25	0.4155
TM-21-116	161.75	0.3826
TM-21-116	163.25	0.2442
TM-21-116	164.75	0.6488
TM-21-116	166.25	0.4972
TM-21-116	167.75	0.5694
TM-21-116	169.25	1.4100
TM-21-116	170.75	0.5315
TM-21-116	172.25	0.4811
TM-21-116	173.75	0.7057

Mag Sus		
Hole No.	Depth	10-3 Sl
TM-21-116	175.25	0.7400



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Geochemistry Schedule of Services & Fees

2023 CANADIAN



Sample Preparation

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

Rock, Core and Drill Cuttings		
Code	Description	Price
RX1	Dry, crush (< 7 kg) up to 80% passing 2 mm, riffle split (250 g) and pulverize (mild steel) to 95% passing 105 μm included cleaner sand	\$12.80
RX1-ORE	Dry, crush Crush up to 90% passing 2 mm	add \$2.25
RX1+500	500 grams pulverized	add \$1.30
RX1+800	800 grams pulverized	add \$2.35
RX1+1000	1000 grams pulverized	add \$2.90
RX1-SD	Dry, crush (< 7 kg) up to 80% passing 2 mm, rotary split (250 g) and pulverized (mild steel) to 95% passing 105 μm	\$12.70
RX1-SD-ORE	Dry, crush up to 90% passing 2 mm	add \$2.25
RX3	Oversize charge per kilogram for crushing	\$1.35
RX4	Pulverization only (mild steel) (coarse pulp or crushed rock) (< 800 g)	\$7.75
RX5	Pulverize ceramic (100 g)	\$21.50
RX6	Hand pulverize small samples (agate mortar & pestle) (<5g)	\$21.50
RX7	Crush and split (< 7 kg)	\$5.80
RX8	Sample prep only surcharge, no analyses	\$6.00
RX9	Compositing (per composite) dry weight	\$4.85
RX10	Weight (kg) as received	\$2.35
RX11	Checking quality of pulps or rejects prepared by other labs and issuing report	\$11.50
RX14	Core cutting	On Request
RX15	Special Preparation/Hour	\$80.00
RX16	Specific Gravity on Core	\$16.75
RX16-W	Specific Gravity (WAX) on friable samples	\$24.00
RX17	Specific Gravity on the pulp	\$17.85
RX17-GP	Specific Gravity on the pulp by gas pycnometer	\$18.90
RX18	Subsample split for 3rd party (up to 1kg)	\$3.50

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

Soils, Stream and Lake Bottom Sediments, and Heavy Minerals		
Code	Description	Price
S1	Drying (60°C) and sieving (-177 μm) save all portions	\$4.85
S1 DIS	Drying (60°C) and sieving (-177 μm), discard oversize	\$4.75
S1-230	Drying (60°C) and sieving (-63 μm), save oversize	\$6.25
S1-230 DIS	Drying (60°C) and sieving (-63 μm), discard oversize	\$5.75
S2	Lake bottom sediment preparation crush & sieve (-177 μm)	\$9.70
S3	Alternate size fractions and bracket sieving, add	\$3.15
S4	Selective Extractions drying (40°C) & sieving (-177 μm)	\$4.85
SGH-1	SGH drying (40°C) & sieving (-177 μm)	\$4.85
S5	Wet or damp samples submitted in plastic bags, add	\$2.25
S8	Sieve analysis (4 sieve sizes) coarser than 53 μm	\$85.00
S9	Particle size analysis (laser)	On Request

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



All soil, sediment and vegetation samples received from outside Canada require incineration prior to disposal under Canadian Food Inspection Agency (CFIA) regulations so incineration charges will apply as listed in the table below



Sample Preparation Packages

Humus and Vegetation		
Code	Description	Price
B1	Drying and blending humus	\$6.20
B2	Drying and macerating vegetation	\$9.00
B3	Dry ashing	\$12.00
B4	Washing vegetation	\$5.75
B5	Samples submitted in plastic bags, add	\$2.55
Special Digestion Procedures		
MDI	Microwave digestion - closed vessel	On Request



Sample Return, Disposal, and Storage

Please indicate on your Request for Analysis Form if your samples should be returned, disposed, or stored after analysis. Material is stored free of charge for a limited time after the date the final report is issued. If no instructions are received for sample return or storage, Actlabs reserves the right to dispose of the material after 3 months and disposal charges will apply. Material stored long-term will be subject to storage charges, billed quarterly. For returns, please include all necessary shipping information e.g., courier, account number, etc.

Irradiated material will be discarded 30 days after analysis unless prior arrangements are made. Return of radioactive material requires a Nuclear Safety Commission license. The cost per shipment of radioactive materials is \$200.00 plus shipping costs.

Code	Description	Price
RTRN	Return of all reject portions and/or pulps	At cost +15%
INCIN	Incineration of soil, sediment and vegetation samples from outside Canada (for samples up to 0.5 kg; samples over 0.5 kg will add \$0.35/kg)	\$1.00
H&R	Handling and retrieval of stored sample material	\$68.00 /hour
DISP1	Disposal of pulps to landfill site	\$0.35
DISP2	Disposal of reject to landfill site	\$1.00
STORE 1	Monthly storage of reject after 60 days	\$0.60
STORE 2	Monthly storage of pulps after 90 days	\$0.30
STORE 3	Monthly storage of sieve rejects after 3 months	\$0.30

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	\$23.00
1A2	Au Fire Assay - AA	30	5 - 5,000	\$19.85
1A2B-30	Au Fire Assay - AA	30	5 - 10,000	\$20.25
1A2-50	Au Fire Assay - AA	50	5 - 5,000	\$23.00
1A2B-50	Au Fire Assay - AA	50	5 - 10,000	\$23.75
1A2-ICP	Au Fire Assay - ICP-OES	30	2 - 30,000	\$21.00
1A2-ICP-50	Au Fire Assay - ICP-OES	50	2 - 30,000	\$24.00
1A2-ICPMS	Au Fire Assay - ICP-MS	30	0.5 - 30,000	\$28.75
1A6	Au BLEG - ICP-MS	1,000	0.1 - 10,000	\$48.75
1A6-50	Au Cyanide Extraction - ICP-MS Ag or Cu add-on, for each additional, add	50	0.02 - 1,000	\$16.50 \$5.75
1A8-Au	Au Aqua Regia - ICP-MS	30	0.2 - 2,000	\$22.00
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.

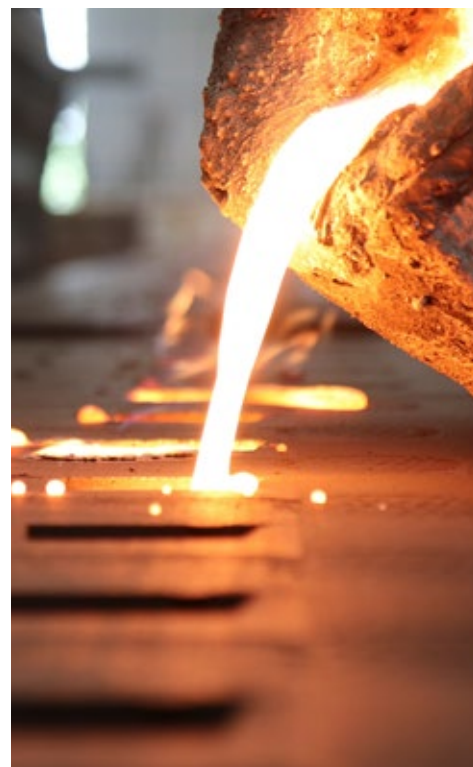
For proper fire assay fusion, Actlabs may reduce the sample weights to 15g or smaller at its discretion

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	\$26.00
1A3-50	Au Fire Assay - Gravimetric	50	0.02 - 10,000	\$29.00
1A3-Ag (Au, Ag)	Au, Ag Fire Assay - Gravimetric	30	0.03 - 10,000 (Au) 3 - 10,000 (Ag)	\$33.00
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	\$29.00

* 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	-	\$28.00
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	-	-	-	1 - 10,000	\$45.00
1C-Rhodium	Fire Assay - ICP-MS	30	-	-	-	5 - 10,000	\$34.00
1C-OES	Fire Assay - ICP-OES	30	2 - 30,000	5 - 30,000	5 - 30,000	-	\$24.00
1C-OES-ORE *	Fire Assay - ICP-OES	30	0.006 - 1000 g/t	0.001 - 1000 g/t	0.001 - 1000 g/t	-	\$40.00

* 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 \$382.00 3+ samples \$192.00
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 \$382.00 3+ samples \$192.00

* 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

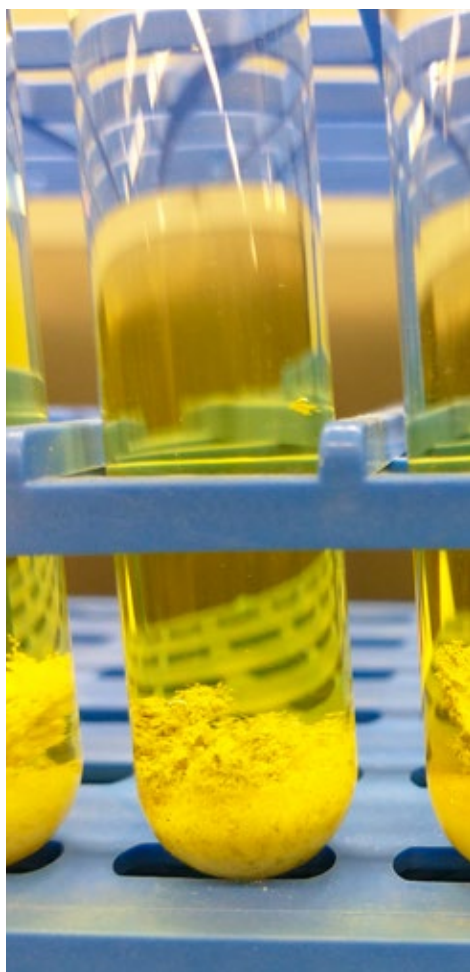
This digestion uses a combination of concentrated hydrochloric and nitric acids to leach sulphides, some oxides and some silicates. Mineral phases which are hardly (if at all) attacked include barite, zircon, monazite, sphene, chromite, gahnite, garnet, ilmenite, rutile and cassiterite. The balance of 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 +	0.01 - 20 %	0.01 - 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:	\$14.00	\$14.75	\$23.00	\$26.00	\$30.75
		15g Price	\$33.00	\$35.00	
		30g Price	\$37.00	\$38.00	

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 %	0.1 - 50 %	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	1 - 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:	\$19.75	\$27.85	\$29.95	\$38.75	\$35.25	

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

Intermediate Ore Grade

These packages are meant for mid-high level mineralized samples.



Package	Aqua Regia (ppm)	Four-Acid (ppm)
	1E3-ORE	1F2-ORE
Ag	2 - 100	3 - 100
Al	0.1 - 10 %	0.1 - 50 %
As	20 - 10,000	30 - 5,000
Au	-	-
B	100 - 10,000	-
Ba	100 - 10,000	70 - 1,000
Be	5 - 1,000	10 - 10,000
Bi	20 - 10,000	20 - 10,000
Ca	0.1 - 10 %	0.1 - 70 %
Cd	5 - 2,000	3 - 2,000
Ce	-	-
Co	10 - 10,000	10 - 10,000
Cr	10 - 10,000	10 - 10,000
Cs	-	-
Cu	10 - 10,000	10 - 10,000
Dy	-	-
Er	-	-
Eu	-	-
Fe	0.1 - 30 %	0.1 - 50 %
Ga	100 - 10,000	10 - 10,000
Gd	-	-
Ge	-	-
Hf	-	-
Hg	10 - 10,000	-
Ho	-	-
In	-	-
K	0.1 - 10 %	0.1 - 10 %
La	100- 10,000	-
Li	-	10- 10,000
Lu	-	-
Mg	0.1 - 25 %	0.1 - 50 %
Mn	50 - 100,000	10- 100,000
Mo	10 - 10,000	10- 10,000
Na	0.01 - 10 %	0.1 - 10 %
Nb	-	-
Nd	-	-
Ni	10 - 10,000	10- 10,000
P	0.01 - 5 %	0.01 - 10 %
Pb	20 - 5,000	30 - 5,000
Pr	-	-
Rb	-	-
Re	-	-
S +	0.01 - 20 %	0.1 - 20 %
Sb	20 - 10,000	50- 10,000
Sc	10 - 10,000	40 - 10,000
Se	-	-
Sm	-	-
Sn	-	-
Sr	10 - 10,000	10 - 10,000
Ta	-	-
Tb	-	-
Te	10 - 500	20 -10,000
Th	200 - 10,000	-
Ti	0.1 - 10 %	0.1 - 10 %
Tl	20 - 10,000	50 - 10,000
Tm	-	-
U	100 - 10,000	100 - 10,000
V	10 - 10,000	20 - 10,000
W	100 - 200	50 - 10,000
Y	10 - 1,000	10- 1,000
Yb	-	-
Zn	20 - 10,000	10- 10,000
Zr	10 - 10,000	50 - 10,000
Price:	\$16.00	\$21.55

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

Exploration Geochemistry

INAA

Instrumental Neutron Activation Analysis
- Samples are encapsulated and irradiated in a nuclear reactor. After a suitable decay, samples are measured for the emitted gamma ray fingerprint. INAA is very good for Au, Co, As, Sb, W, Ta, U, Th, Cs, In, Re, Cl and lower levels of most LREE.



Package	INAA (ppm)			
	1D	1D Enhanced	5B - Other Elements	5S - Short Lived Isotopes
Ag	5 - 100,000	5 - 100,000	-	-
Al	-	-	-	1 - 100,000
As	2 - 10,000	0.5 - 10,000	1 - 10,000	-
Au	5 - 30,000 ppb	2 - 30,000 ppb	5 - 30,000 ppb	-
Ba	100 - 500,000	50 - 500,000	100 - 100,000	-
Br	1 - 1,000	0.5 - 1,000	0.5 - 1,000	5 - 10,000
Ca	1 - 50 %	1 - 50 %	-	-
Ce	3 - 10,000	3 - 10,000	3 - 10,000	-
Co	5 - 5,000	1 - 5,000	0.5 - 10,000	-
Cl	-	-	-	100 - 100,000
Cr	10 - 100,000	5 - 100,000	1 - 100,000	-
Cs	2 - 10,000	1 - 10,000	0.5 - 10,000	-
Cu	-	-	-	5 - 2,500
Dy	-	-	-	0.5 - 5,000
Eu	0.2 - 2,000	0.2 - 2,000	0.2 - 2,000	-
Fe	0.02 - 75 %	0.01 - 75 %	0.01 - 75 %	-
Ga	-	-	-	5 - 10,000
Hf	1 - 500	1 - 500	0.5 - 500	-
Hg	1 - 1,000	1 - 1,000	-	-
I	-	-	-	0.5 - 5,000
In	-	-	-	0.1 - 5,000
Ir	5 - 10,000 ppb	5 - 10,000 ppb	-	-
La	1 - 10,000	0.5 - 10,000	0.1 - 10,000	-
Lu	0.05 - 1,000	0.05 - 1,000	0.05 - 1,000	-
Mg	-	-	-	0.05 - 50 %
Mn	-	-	-	0.1 - 10,000
Mo	5 - 10,000	1 - 10,000	2 - 10,000	-
Na	0.05 - 10 %	0.01 - 10 %	100 - 100,000	50 - 200,000
Nd	5 - 10,000	5 - 10,000	5 - 10,000	-
Ni	50 - 10,000	20 - 10,000	-	-
Rb	30 - 10,000	15 - 10,000	20 - 10,000	-
Re	-	-	-	1 - 5,000
Sb	0.2 - 10,000	0.1 - 10,000	0.1 - 10,000	-
Sc	0.1 - 200	0.1 - 200	0.1 - 200	-
Se	5 - 10,000	3 - 10,000	2 - 10,000	-
Sm	0.1 - 10,000	0.1 - 10,000	0.01 - 10,000	-
Sn	0.05 - 10 %	0.02 - 10 %	-	-
Sr	0.1 - 40 %	0.05 - 40 %	-	-
Ta	1 - 10,000	0.5 - 10,000	0.5 - 10,000	-
Tb	0.5 - 1,000	0.5 - 1,000	-	-
Th	0.5 - 10,000	0.5 - 10,000	0.2 - 10,000	-
Ti	-	-	-	50 - 100,000
U	0.5 - 10,000	0.5 - 10,000	0.1 - 10,000	-
V	-	-	-	0.1 - 10,000
W	4 - 10,000	1 - 10,000	2 - 10,000	-
Yb	0.2 - 1,000	0.2 - 1,000	0.2 - 1,000	-
Zn	50 - 100,000	50 - 100,000	-	-
Price:	\$28.85	\$32.65	One Element \$25.00	One Element \$50.05
		Each Additional Element	Add \$3.40	Add \$8.40

Key advantages of INAA include:

- Total determination of selected resistive and volatile elements, including Au
- Up to 30g of material can be analyzed for a more representative sub-sample
- Non-destructive, allowing material to be used for other analysis

Exploration Geochemistry

Multi-Method Analyses

ICP-OES and ICP-MS analyses by 4-acid (hydrochloric, nitric, perchloric and hydrofluoric) digestion are “near total” digestions. INAA analysis yields total metals.

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.

Pressed Pellet XRF Analysis

Code 4C1		
Group	Element	Range (ppm)
A	Ba	5-10,000
	Ga	5-10,000
	Nb	1-10,000
	Rb	2-10,000
	Sr	2-10,000
	Y	2-10,000
	Zr	5-10,000
B	Co	5-1,000
	Cr	5-10,000
	Cu	5-2,500
	Ni	4-4,000
	Pb	5-1,000
	V	5-10,000
	Zn	5-1,000
	Sn	5-10,000
	Zn	0.001-1%
Any One Element		\$13.00
Each Additional Element		\$4.50
All of Group A Elements		\$23.50
All of Group B Elements		\$23.50

Package	INAA+ICP-OES (ppm)	INAA + ICP-OES + ICP-MS (ppm)	INAA+ICP-MS (ppm)
	1H	Ultratrace 3	Ultratrace 5
Ag	0.3 - 10,000	0.05 - 10,000	0.05 - 100,000
Al	0.01 - 50 %	0.01 - 50 %	-
As	0.5 - 10,000	0.5 - 10,000	0.5 - 10,000
Au	2 - 30,000 ppb	2 - 30,000 ppb	2 - 30,000 ppb
Ba	50 - 500,000	1 - 100,000	1 - 100,000
Be	1 - 10,000	0.1 - 1,000	0.1 - 1,000
Bi	2 - 10,000	0.02 - 10,000	0.02 - 2,000
Br	0.5 - 5,000	0.5 - 5,000	0.5 - 5,000
Ca	0.01 - 70 %	0.01 - 70 %	0.01 - 50 %
Cd	0.3 - 2,000	0.1 - 2,000	0.1 - 1,000
Ce	3 - 10,000	0.1 - 10,000	0.1 - 10,000
Co	1 - 5,000	1 - 5,000	0.1 - 5,000
Cr	2 - 100,000	1 - 10,000	1 - 100,000
Cs	1 - 10,000	0.05 - 5,000	0.05 - 5,000
Cu	1 - 10,000	0.2 - 10,000	0.2 - 10,000
Dy	-	0.1 - 5000	0.1 - 5000
Er	-	0.1 - 1,000	0.1 - 1,000
Eu	0.2 - 10,000	0.05 - 1,000	0.05 - 100
Fe	0.01 - 70 %	0.01 - 70 %	0.01 - 50 %
Ga	-	0.1 - 500	0.1 - 500
Gd	-	0.1 - 500	0.1 - 5,000
Ge	-	0.1 - 500	0.1 - 500
Hf	1 - 5,000	0.1 - 5,000	1 - 5,000
Hg	1 - 1,000	1 - 1,000	1 - 1,000
Ho	-	0.1 - 1,000	0.1 - 1,000
In	-	0.1 - 100	0.1 - 100
Ir	5 - 10,000 ppb	5 - 10,000 ppb	-
K	0.01 - 10 %	0.01 - 10 %	0.01 - 5 %
La	0.5 - 10,000	0.5 - 10,000	0.1 - 10,000
Li	1 - 10,000	1 - 10,000	0.5 - 400
Lu	0.05 - 10,000	0.1 - 100	0.1 - 100
Mg	0.01 - 50 %	0.01 - 50 %	0.01 - 10 %
Mn	1 - 100,000	1 - 100,000	1 - 10,000
Mo	1 - 10,000	0.2 - 10,000	0.05 - 10,000
Na	0.01 - 50 %	0.01 - 20 %	0.01 - 20 %
Nb	-	0.1 - 500	0.1 - 500
Nd	5 - 10,000	0.01 - 10,000	0.1 - 10,000
Ni	1 - 100,000	0.5 - 100,000	0.5 - 100,000
P	0.001 - 10 %	0.001 - 10 %	-
Pb	3 - 5,000	0.5 - 5,000	0.5 - 5,000
Pr	-	0.1 - 1,000	0.1 - 1,000
Rb	15 - 10,000	0.2 - 5,000	0.2 - 5,000
Re	-	0.001 - 100	0.001 - 100
S +	0.01 - 20 %	0.01 - 20 %	-
Sb	0.1 - 10,000	0.1 - 10,000	0.1 - 10,000
Sc	0.1 - 1,000	0.1 - 1,000	0.1 - 1,000
Se	3 - 10,000	0.1 - 10,000	0.1 - 10,000
Sm	0.1 - 10,000	0.1 - 100	0.1 - 100
Sn	0.02 - 20 %	1 - 200	1 - 200
Sr	1 - 10,000	0.2 - 1,000	0.2 - 1,000
Ta	0.5 - 10,000	0.1 - 10,000	0.1 - 10,000
Tb	0.5 - 10,000	0.1 - 5,000	0.1 - 100
Te	-	0.02 - 500	0.1 - 500
Th	0.2 - 10,000	0.1 - 10,000	0.1 - 10,000
Ti	0.01 - 10 %	0.01 - 10 %	-
Tl	-	0.05 - 500	0.05 - 500
Tm	-	0.1 - 1,000	0.1 - 1,000
U	0.5 - 10,000	0.1 - 10,000	0.1 - 10,000
V	2 - 10,000	2 - 10,000	1 - 1,000
W	1 - 10,000	1 - 10,000	1 - 10,000
Y	1 - 1,000	0.01 - 10,000	0.1 - 10,000
Yb	0.2 - 10,000	0.1 - 5,000	0.1 - 5,000
Zn	1 - 100,000	0.5 - 100,000	0.5 - 100,000
Zr	-	1 - 5,000	1 - 5,000
Price:	\$43.00	\$57.00	\$44.00

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

Litho geochemistry and Whole Rock Analysis

Litho geochemistry

The most aggressive fusion technique employs a lithium metaborate/ tetraborate fusion. Fusion is performed by a robot at Actlabs, which provides a fast fusion of the highest quality in the industry. The resulting molten bead is rapidly digested in a weak nitric acid solution. The fusion ensures that the entire sample is dissolved. It is only with this attack that major oxides including SiO₂, refractory minerals (i.e. zircon, sphene, monazite, chromite, gahnite, etc.), REE and other high field strength elements are put into solution. High sulphide-bearing rocks may require different treatment but can still be adequately analyzed. Analysis is by ICP-OES and ICP-MS. Quality of data is exceptional and can be used for the most exacting applications. Values on internal replicates and standards are provided at no cost, as are REE chondrite plots. Eu determinations are semiquantitative in samples having extremely high Ba concentrations (> 5 %).

Mineralized Samples: Although intended primarily for unmineralized samples, mineralized samples can be analyzed. However, data may be semiquantitative for chalcophile elements (Ag, As, Bi, Co, Cu, Mo, Ni, Pb, Sb, Sn, W and Zn). For quantitative chalcophile data see Quant add-ons below.

Code 4B: Lithium Borate Fusion / ICP-OES Whole Rock Package. Data meets or exceeds quality of data by fusion XRF. 3g required.

Code 4B2: Lithium Borate Fusion / ICP-MS Trace Element package: Codes 4B2-STD and 4B2-Research both provide research quality data. 0.5g required.

Research designation: indicates lower detection limits.

Code 4Litho and Code 4Lithoresearch: The 4B and 4B2 packages are combined. 5 g required.

Quant designation: For quantitative values of chalcophile elements a surcharge will apply. A minimum sample weight of 5 g is required.

(+) Code 4B1: Optional elements by multiacid digestion. Please add 0.5 g.

(++) Code 4B-INAA: Optional elements are available by INAA. Please add 0.5 to 30 g depending on sample size you prefer to analyze for Au with this option.

Add-ons	Surcharge
4B1	\$14.00
4B-INAA	\$24.00
QUANT	\$22.00

Package	WRA-ICP	Trace Element	Trace Element	WRA+ICP	WRA+Trace
	4B	4B2-Std	4B2-Research	4 Litho	4 Lithoresearch
Al ₂ O ₃	0.01%	-	-	0.01%	0.01%
CaO	0.01%	-	-	0.01%	0.01%
Fe ₂ O ₃	0.01%	-	-	0.01%	0.01%
K ₂ O	0.01%	-	-	0.01%	0.01%
MgO	0.01%	-	-	0.01%	0.01%
MnO	0.005%	-	-	0.005%	0.005%
Na ₂ O	0.01%	-	-	0.01%	0.01%
P ₂ O ₅	0.01%	-	-	0.01%	0.01%
SiO ₂	0.01%	-	-	0.01%	0.01%
TiO ₂	0.001%	-	-	0.001%	0.001%
LOI	0.01%	-	-	0.01%	0.01%
Ag	(0.3+)	0.5	0.5	0.5	0.5
As	(0.5++)	5 (0.5++)	5 (0.5++)	5 (0.5++)	5 (0.5++)
Au	(2ppb++)	(2ppb++)	(2ppb++)	(2ppb++)	(2ppb++)
Ba	2	3	3	2	2
Be	1			1	1
Bi		0.4	0.1	0.4	0.1
Br	(0.5++)	(0.5++)	(0.5++)	(0.5++)	(0.5++)
Cd	(0.5+)	(0.5+)	(0.5+)	(0.5+)	(0.5+)
Co	(1++)	1	1	1	1
Cr	(0.5++)	20 (0.5++)	20 (0.5++)	20 (0.5++)	20 (0.5++)
Cs	(1++)	0.5	0.1	0.5	0.1
Cu	(1+)	10 (1+)	10 (1+)	10 (1+)	10 (1+)
Fe		(0.01%++)	(0.01%++)		
Ga		1	1	1	1
Ge		1	0.5	1	0.5
Hf	(1++)	0.2	0.1	0.2	0.1
In		0.2	0.1	0.2	0.1
Ir	(5ppb++)	(5ppb++)	(5ppb++)	(5ppb++)	(5ppb++)
Mo	(5++)	2	2	2	2
Na		(0.01%++)	(0.01%++)		
Nb		1	0.2	1	0.2
Ni	(1+)	20 (1+)	20 (1+)	20 (1+)	20 (1+)
Pb	(5+)	5	5	5	5
Rb	(20++)	2	1	2	1
S	(10+)	(10+)	(10+)	(10+)	(10+)
Sb	(0.2++)	0.5 (0.2++)	0.2	0.5 (0.2++)	0.2
Sc	1	(0.1++)	(0.1++)	1 (0.1++)	1 (0.1++)
Se	(3++)	(3++)	(3++)	(3++)	(3++)
Sn		1	1	1	1
Sr	2	2	2	2	2
Ta	(0.5++)	0.1	0.01	0.1	0.01
Th	(0.2++)	0.1	0.05	0.1	0.05
Tl		0.1	0.05	0.1	0.05
U	(0.5++)	0.1	0.01	0.1	0.01
V	5	5	5	5	5
W	(1++)	1	0.5	1	0.5
Y	1	1	0.5	1	0.5
Zn	(1+)	30 (1+)	30 (1+)	30 (1+)	30 (1+)
Zr	2	5	1	2	1
La	(0.5++)	0.1	0.05	0.1	0.05
Ce	(3++)	0.1	0.05	0.1	0.05
Pr		0.05	0.01	0.05	0.01
Nd	(5++)	0.1	0.05	0.1	0.05
Sm	(0.1++)	0.1	0.01	0.1	0.01
Eu	(0.2++)	0.05	0.005	0.05	0.005
Gd		0.1	0.01	0.1	0.01
Tb	(0.5++)	0.1	0.01	0.1	0.01
Dy		0.1	0.01	0.1	0.01
Ho		0.1	0.01	0.1	0.01
Er		0.1	0.01	0.1	0.01
Tm		0.05	0.005	0.05	0.005
Yb	(0.2++)	0.1	0.01	0.1	0.01
Lu	(0.005++)	0.01	0.002	0.01	0.002
1-10 Samples	\$40.00	\$64.00	\$100.00	\$92.00	\$125.00
11+ Samples	\$35.00	\$58.00	\$88.00	\$75.00	\$110.00

All elements are in ppm except where noted. Prices per sample.
+ Sulphide sulphur and soluble sulphates are extracted

Litho geochemistry and Whole Rock Analysis

Code 4C: Lithium Borate Fusion / XRF Whole Rock Package. Samples containing >1% barite or sulphide should be analyzed with Code 4B. A minimum sample weight of 3g is required. We reserve the right to change analytical method to Code 4B if required by the sample composition.

WRA-XRF	
Package	4C
Al ₂ O ₃	0.01%
CaO	0.01%
Cr ₂ O ₃	0.01%
Co ₃ O ₄	0.005%
CuO	0.005%
Fe ₂ O ₃	0.01%
K ₂ O	0.01%
MgO	0.01%
MnO	0.005%
Na ₂ O	0.01%
NiO	0.003%
P ₂ O ₅	0.01%
SiO ₂	0.01%
TiO ₂	0.01%
V ₂ O ₅	0.003%
LOI	0.01%
1-10 Samples	\$38.00
11+ Samples	\$35.00

When submitting pulp material it must be 95% -74 µm or additional pulverization charges will apply.

Add-ons	Surcharge
4E-XRF	\$25.00
4E ICP-MS	\$42.00

INAA and multi-methods			
Package	4A-research	4E-expl.	4E-research
Al ₂ O ₃	-	0.01%	0.01%
CaO	-	0.01%	0.01%
Fe ₂ O ₃	-	0.01%	0.01%
K ₂ O	-	0.01%	0.01%
MgO	-	0.01%	0.01%
MnO	-	0.01%	0.01%
Na ₂ O	-	0.01%	0.01%
P ₂ O ₅	-	0.01%	0.01%
SiO ₂	-	0.01%	0.01%
TiO ₂	-	0.01%	0.01%
LOI	-	0.01%	0.01%
Ag	2	0.5	0.5
As	1	2	1
Au	2 ppb	5 ppb	1 ppb
Ba	20	3	1
Be	-	1	1
Bi	-	2	2 (0.1 ††)
Br	0.5	1	0.5
Ca	0.2%	-	-
Cd	-	0.5	0.5
Co	0.1	1	0.1
Cr	0.5	1	0.5
Cs	0.2	0.5	0.2 (0.1 ††)
Cu	-	1	1
Fe	0.01%	-	-
Ga	-	(5 †)	(5 †) (1 ††)
Ge	-	-	(0.5 ††)
Hf	0.2	0.5	0.2 (0.1 ††)
Hg	-	1-1000ppm	1-1000ppm
In	-	-	(0.1 ††)
Ir	2 ppb	2	2
Mo	2	5	2
Na	0.001%	-	-
Nb	-	(1 †)	(1 †) (0.2 ††)
Ni	50	1	1
Pb	-	(5 †)	(5 †)
Rb	10	20 (2 †)	10 (2 †) (1 ††)
S	-	0.001%	0.001%
Sb	0.1	0.2	0.1
Sc	0.01	0.1	0.01
Se	0.5	3	0.5
Sn	-	(5 †)	(5 †) (1 ††)
Sr	100	2	2
Ta	0.3	1	0.3 (0.01 ††)
Th	0.1	0.5	0.1 (0.05 ††)
Tl	-	-	(0.05 ††)
U	0.1	0.5	0.1 (0.01 ††)
V	-	5	5
W	1	3	1
Y	-	1	1
Zn	10	2	2
Zr	-	4	4 (1 ††)
La	0.05	0.5	0.05
Ce	1	3	1 (0.05 ††)
Pr	(0.01 †)	-	(0.01 ††)
Nd	1	5	1 (0.05 ††)
Sm	0.01	0.1	0.01
Eu	0.05	0.1	0.05 (0.005 ††)
Gd	(0.01 †)	-	(0.01 ††)
Tb	0.1	0.5	0.1 (0.01 ††)
Dy	(0.01 †)	-	(0.01 ††)
Ho	(0.01 †)	-	(0.01 ††)
Er	(0.01 †)	-	(0.01 ††)
Tm	(0.01 †)	-	(0.005 ††)
Yb	0.05	0.1	0.05 (0.01 ††)
Lu	0.01	0.05	0.01 (0.002 ††)
1-10 Samples	\$78.00	\$67.00	\$135.00
11+ Samples	\$75.00	\$62.00	\$130.00

Research designation: indicates lower detection limits.

Code 4A-research: Grades are determined by INAA. A minimum sample weight of 2 g is recommended. REE chondrite plots are provided at no charge.

- † Code 4A RES-MS: elements indicated by † are analyzed by fusion ICP-MS.

Code 4E: This package uses ICP and INAA technologies to completely characterize geological samples. This package is not suitable for analyzing concentrates or mill products. A minimum sample weight of 5 g is required.

Code 4E Add-Ons

- † Code 4E-XRF elements Ga, Pb, Sn, Nb and Rb are examined by Pressed Pellet XRF. This package can be added to Code 4E exploration or Code 4E research (please add 6 g of sample).
- †† Code 4E ICP-MS add-on option: can only be added to Code 4E research grade.

Code 4F: Other analyses associated with WRA (can be added to any Code 4 package). Add 1 gram for each option chosen (see page 16).

All elements are in ppm except where noted. Prices per sample.



Litho geochemistry and Whole Rock Analysis

Peroxide "Total" Fusion

Peroxide Fusions: Sodium peroxide fusion will result in a total metal recovery. It is effective for the decomposition of sulphides and refractory minerals. For nickel sulphide deposits this is the preferred method. This method is not suitable if sodium is required. Code 8 4-Acid is recommended if sodium is required.



ICP-OES+ICP-MS (ppm)			
Package Ultratrace 7			
Al	0.01 - 25%	Mo	1 - 10,000
As	5 - 10,000	Nb	2.4 - 5,000
B	10 - 10,000	Nd	0.4 - 5,000
Ba	3 - 10,000	Ni	10 - 10,000
Be	3 - 5,000	Pb	0.8 - 5,000
Bi	2 - 5,000	Pr	0.1 - 1,000
Ca	0.01 - 40%	Rb	0.4 - 5,000
Cd	2 - 5,000	S	0.01 - 25%
Ce	0.8 - 5,000	Sb	2 - 5,000
Co	0.2 - 5,000	Se	8 - 5,000
Cr	30 - 10,000	Si	0.01 - 30%
Cs	0.1 - 5,000	Sm	0.1 - 1,000
Cu	2 - 10,000	Sn	0.5 - 10,000
Dy	0.3 - 5,000	Sr	3 - 10,000
Er	0.1 - 5,000	Ta	0.2 - 10,000
Eu	0.1 - 1,000	Tb	0.1 - 1,000
Fe	0.05 - 30%	Te	6 - 10,000
Ga	0.2 - 5,000	Th	0.1 - 1,000
Gd	0.1 - 5,000	Ti	0.01 - 25%
Ge	0.7 - 5,000	Tl	0.1 - 1,000
Hf	10 - 5,000	Tm	0.1 - 1,000
Ho	0.2 - 1,000	U	0.1 - 10,000
In	0.2 - 1,000	V	5 - 10,000
K	0.1 - 25%	W	0.7 - 5,000
La	0.4 - 10,000	Y	0.1 - 1,000
Li	15-10,000	Yb	0.1 - 1,000
Mg	0.01 - 30%	Zn	25 - 10,000
Mn	3 - 10,000	-	-
Price:	\$50.00		

Halogens

Halogen analysis is a great tool to aid with exploration. We offer halogen analysis by INAA (short-lived isotopes) or by fusion.

Code	Method	Detection Limit/Range	Price:
4F-Cl	INAA	0.01%	\$38.00
4F-Cl (XRF)	Lithium Borate Fusion with XRF	0.005-5%	\$26.25
4F-F (KOH)	KOH Fusion	20-20,000	\$29.00
4F-F*	Lithium Borate Fusion with Ion Selective Electrode	0.01%	\$29.75
5S-Br	Short Lived Isotopes	5-10,000	\$48.00

All elements are in ppm except where noted. Prices per sample.
*results may not be total and will be dependent on mineralogy in the sample

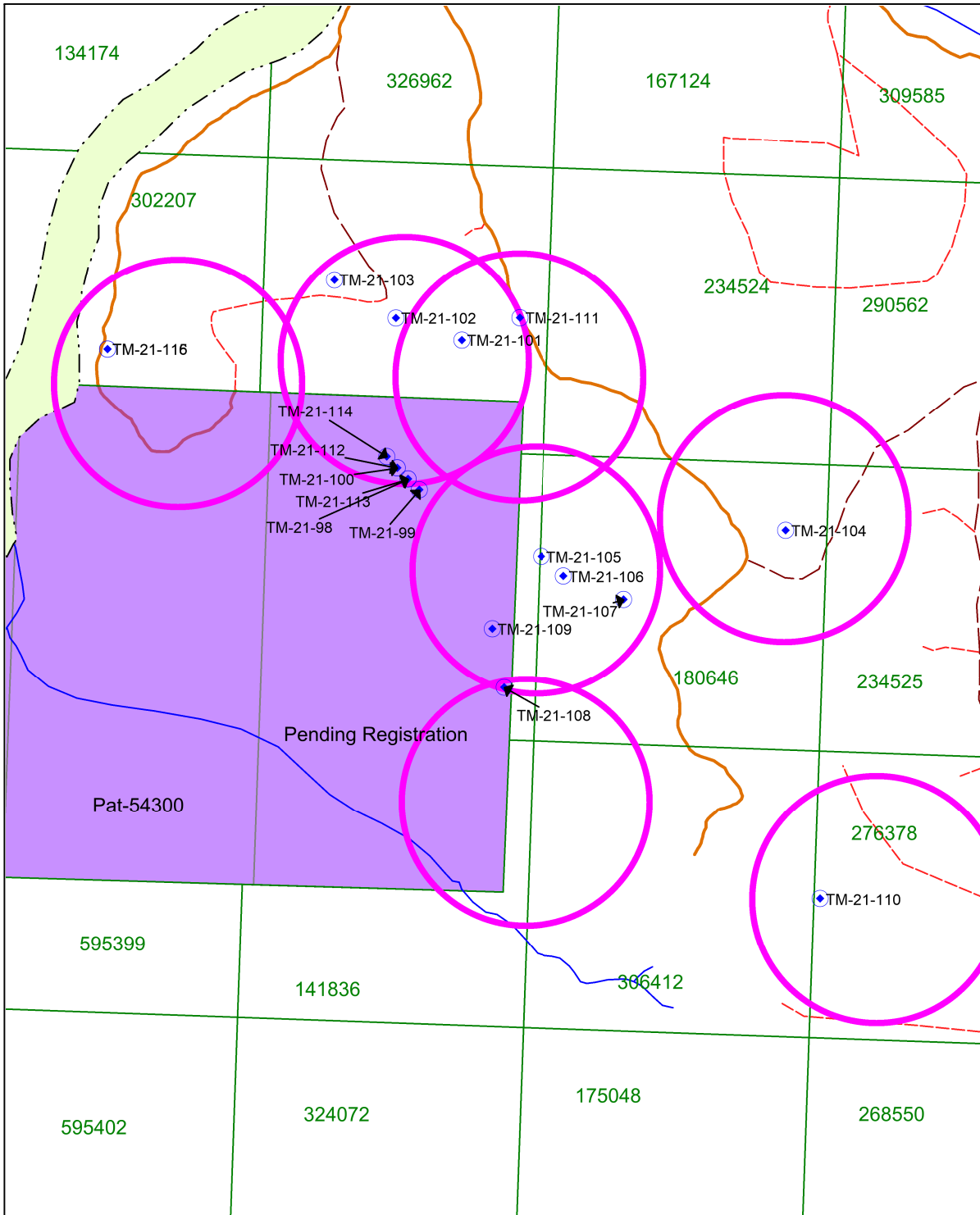
Mercury

Package	Method	Detection Limit	Price
1G	Cold Vapour FIMS	5ppb	\$12.00

Miscellaneous Analysis

Code	Method	Detection Limit/Range	Price:
4F-B	by PGNAA	2	\$49.75
4F-B	by PGNAA	0.5	\$60.95
4F-Gd	by PGNAA	0.5	\$49.60
4F-FeO	by Titration	0.1%	\$22.00
4F-H ₂ O	Gravimetric and IR	0.1%	\$28.50
4F-N	(Total)	0.1%	\$48.05

All elements are in ppm except where noted. Prices per sample.
*results may not be total and will be dependent on mineralogy in the sample



LEGEND

- Marsh
- Streams
- Roads
- Tower Mountain Claims
- Tower Mountain Patents
- PR-20-000267 Proposed Drill Pads

<h3>Tower Stock Gold Project Phase 2 Drilling Shown on Proposed Pads</h3>	
Date: 2023-07-13	
Author: csalo	
Office:	
Drawing permits and holes	
Projection: UTM Zone 16 (NAD 83)	
<div style="display: flex; align-items: center; justify-content: center;"> 0 500 </div> <p style="text-align: center; margin-top: 5px;">meters Scale 1:10,000</p>	