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REPORT ON THE 2021-2022

DIAMOND DRILLING PROGRAMS

ON THE

OGDEN PROPERTY, TIMMINS

PORCUPINE MINING DISTRICT

NTS 42A/06

Don Heerema P.Geo. (ON)
Metals Creek Resources

January 2023

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Summary

This report summarizes two separate diamond drilling programs conducted on the Ogden Property in Timmins Ontario between September 2021 and March 2022. Both programs were awarded to and carried by Drillco Mining and Exploration (Drillco) for a total of 5,154 meters. The work was carried out under supervision of geologist D. Heerema, an employee of Metals Creek Resources as well as contract geologist S. Huebert of SALH Geoscience Inc. of Winnipeg Manitoba. A total of 16 holes were put down with a particular focus on the Thomas Ogden gold zone (TOZ) and interest in targeting SGH anomalies. A total of 1,101 core samples were submitted for gold fire assay at Actlabs.

Most of the drilling was conducted on patents but one hole (OG22-047A) to the west of the Thomas Ogden zone took place on lease LEA-108841 and falls under exploration permit number PR-21-000095.

Terms of Reference

Map projections are in UTM, North American Datum 83, Zone 17 unless stated otherwise. Contractions are “mm” = millimeter, “cm” = centimeter, “m” = meters, “km” = kilometers, “g” = gram, “kg” = kilogram, “in” = inch, “ft” = foot, “lb” = pound, “oz” = troy ounce, “oz/ton” = troy ounce per short ton, “g/t” is grams per metric tonne, “ddh” = diamond drill hole, “TOZ” = Thomas Ogden Zone, “SZ” = South Zone, “NZ” = North Zone, “PH” = Porphyry Hill, “PDB” = Porcupine Destor Break and “MEK” = Metals Creek Resources.

Land Title/Tenure

The property consists of 44 patent parcels, 2 leases and 53 unpatented single and boundary mining cells (post conversion) that lie within the central portion of Ogden Twp. and the west Deloro Twp., registered in the Porcupine Mining Division. The said patents, leases and unpatented mining cells are part of an option joint venture agreement between Metals Creek Resources Corp. and Goldcorp Canada Inc. and Goldcorp Inc. with MEK having earned a 50% interest in the project and acts as project operator.

Leases

LEA-108841	LEA-19618

Patents

PAT-29049	PAT-29059	PAT-28700	PAT-3678	PAT-3423
PAT-29050	PAT-29060	PAT-2680	PAT-3679	PAT-3424
PAT-29051	PAT-29062	PAT-2681	PAT-3680	PAT-3425
PAT-29052	PAT-29063	PAT-2682	PAT-3681	PAT-3426
PAT-29053	PAT-29064	PAT-2683	PAT-3682	PAT-3427
PAT-29054	PAT-29065	PAT-2684	PAT-3418	
	PAT-29066	PAT-2685	PAT-3419	
PAT-29056	PAT-28697	PAT-3675	PAT-3420	
PAT-29057	PAT-28698	PAT-3676	PAT-3421	
PAT-29058	PAT-28699	PAT-3677	PAT-3422	

Unpatented Mining Cells

Claim #	Type of cell	Anniversary	Claim #	Type of cell	Anniversary
100724	Boundary Cell Mining Claim	2027-09-26	144031	Boundary Cell Mining Claim	2027-09-26
101375	Boundary Cell Mining Claim	2027-06-23	144032	Boundary Cell Mining Claim	2027-09-26
112817	Boundary Cell Mining Claim	2027-06-23	144062	Single Cell Mining Claim	2027-06-23
114912	Single Cell Mining Claim	2027-06-23	160137	Single Cell Mining Claim	2027-09-26
116694	Single Cell Mining Claim	2027-09-26	160138	Single Cell Mining Claim	2027-09-26
120981	Single Cell Mining Claim	2027-09-26	160139	Single Cell Mining Claim	2027-09-26
120985	Boundary Cell Mining Claim	2027-04-28	160144	Boundary Cell Mining Claim	2027-04-28
126326	Boundary Cell Mining Claim	2027-09-26	162153	Boundary Cell Mining Claim	2027-09-26
126327	Single Cell Mining Claim	2027-09-26	162154	Single Cell Mining Claim	2027-09-26
128588	Boundary Cell Mining Claim	2027-10-23	162155	Boundary Cell Mining Claim	2027-09-26
165533	Single Cell Mining Claim	2027-06-26	225533	Single Cell Mining Claim	2027-09-26
181987	Single Cell Mining Claim	2027-06-23	225556	Single Cell Mining Claim	2027-09-26
194304	Single Cell Mining Claim	2027-06-26	225595	Single Cell Mining Claim	2027-04-28
201446	Boundary Cell Mining Claim	2027-09-26	232349	Boundary Cell Mining Claim	2027-06-23
209520	Single Cell Mining Claim	2027-10-23	232858	Boundary Cell Mining Claim	2027-09-26
213523	Single Cell Mining Claim	2027-09-26	237936	Single Cell Mining Claim	2027-06-23
213559	Single Cell Mining Claim	2027-09-26	253913	Boundary Cell Mining Claim	2027-06-23
217849	Boundary Cell Mining Claim	2027-06-23	257540	Single Cell Mining Claim	2027-09-26
221579	Boundary Cell Mining Claim	2027-09-26	261541	Boundary Cell Mining Claim	2027-04-28
221603	Single Cell Mining Claim	2027-03-25	265976	Boundary Cell Mining Claim	2027-06-23
265977	Single Cell Mining Claim	2027-06-23	322604	Boundary Cell Mining Claim	2027-06-23
276074	Single Cell Mining Claim	2027-06-23	323801	Boundary Cell Mining Claim	2027-10-23
281023	Single Cell Mining Claim	2027-06-23	324225	Boundary Cell Mining Claim	2027-12-10
281033	Boundary Cell Mining Claim	2027-09-26	324226	Boundary Cell Mining Claim	2027-12-10
281580	Single Cell Mining Claim	2027-09-26	339968	Single Cell Mining Claim	2027-09-26
287913	Boundary Cell Mining Claim	2027-10-23	340015	Single Cell Mining Claim	2027-04-28
288148	Single Cell Mining Claim	2027-09-26			

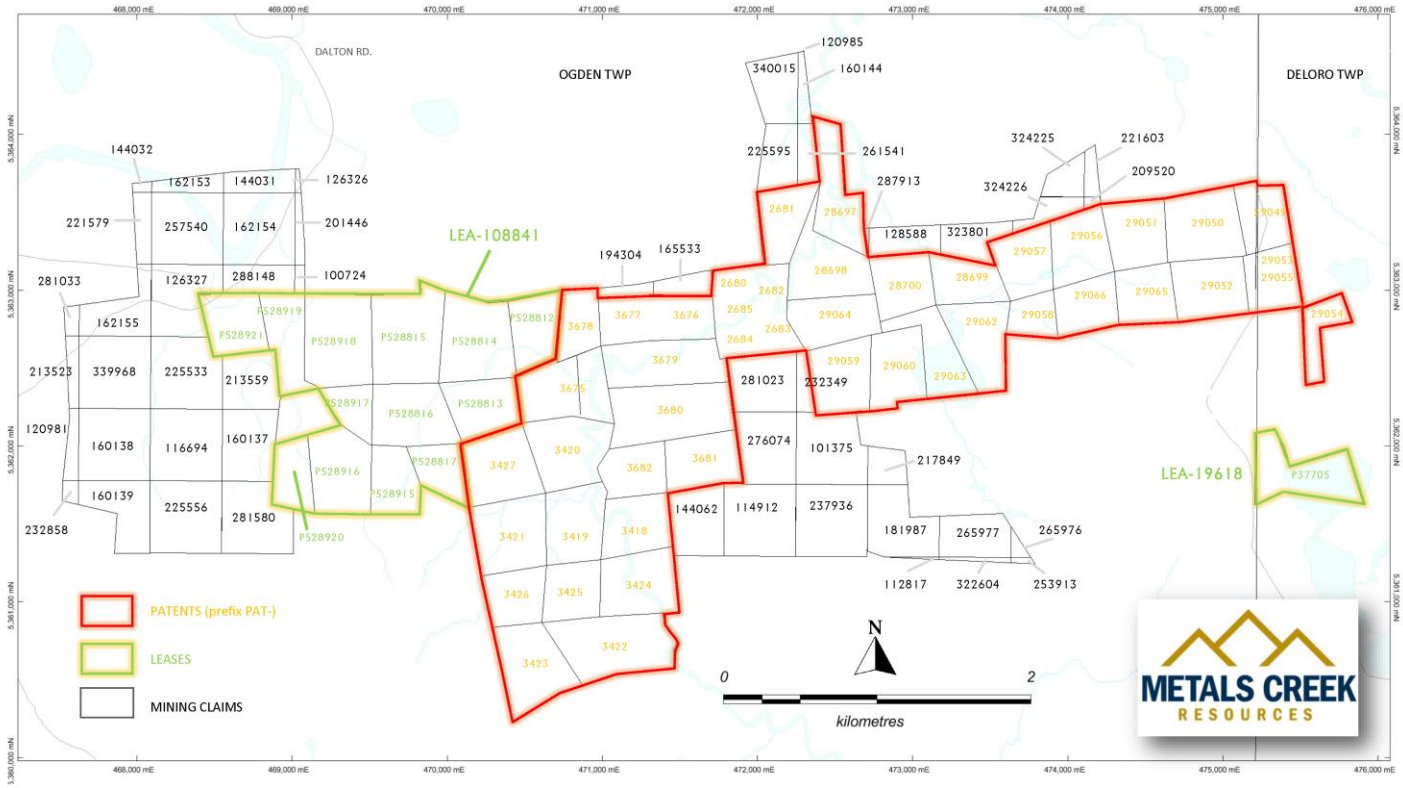


Figure 1: Claim Map

Property Location and Access

The Ogden Property is located only 5 km south of the downtown core of the City of Timmins and is centered on UTM coordinates 471,600mE / 5,362,600mN (NAD83 Zone 17) on NTS 42A/6. The property lies between Goldcorp's Dome Mine and Mine Complex and Lake Shore Gold's West Timmins Mine. See figures 2 and 3.

Access to the property can be done from both the east and west extents of the property. Pine Street South transects the east end of the property and Dalton Road transects the west end of the property. From these major all-season roads, secondary roads and trails are utilized to enter the central portions of the property. Most of the work has been focused on South Zone and Thomas Ogden Zones that are accessed from Pine Street South. To access the main drilling area on Thomas Ogden, one must travel 2.4 kilometers south past the Timmins landfill site to an unmarked gravel road on the west side of Pine South. Follow the well traveled road for approximately 6 kilometers to the powerline and turn left and follow the powerline for 300m. See figure 5.

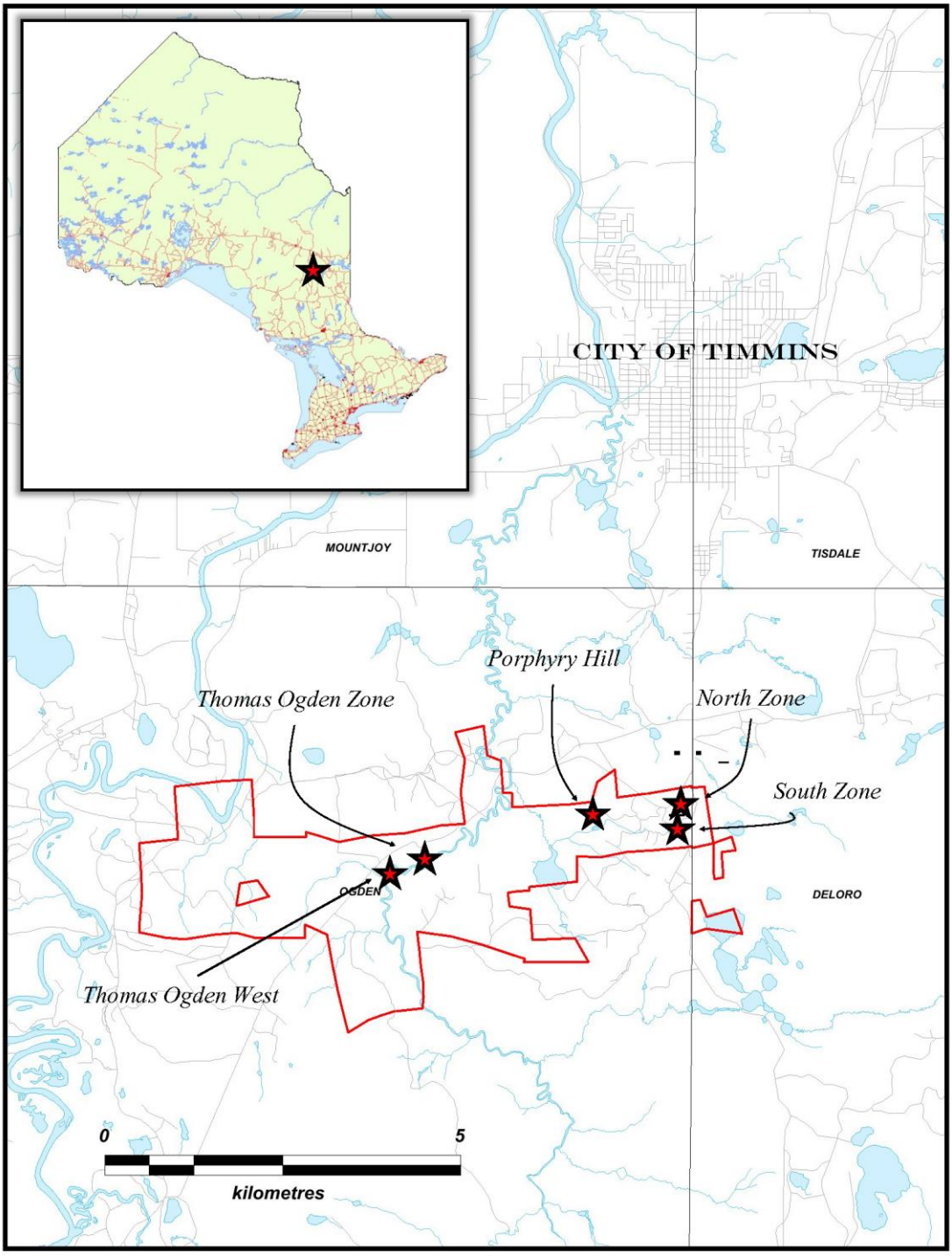


Figure 2: Property Location

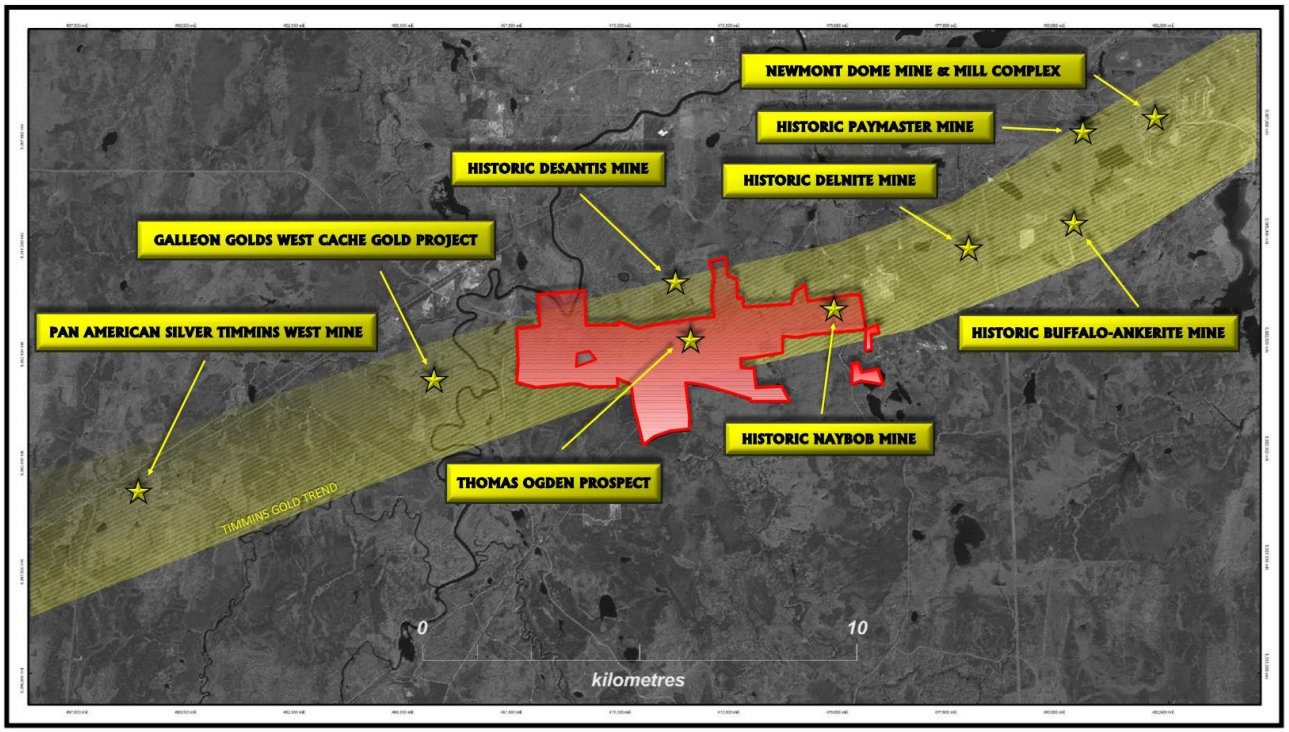


Figure 3: Timmins West Gold Trend

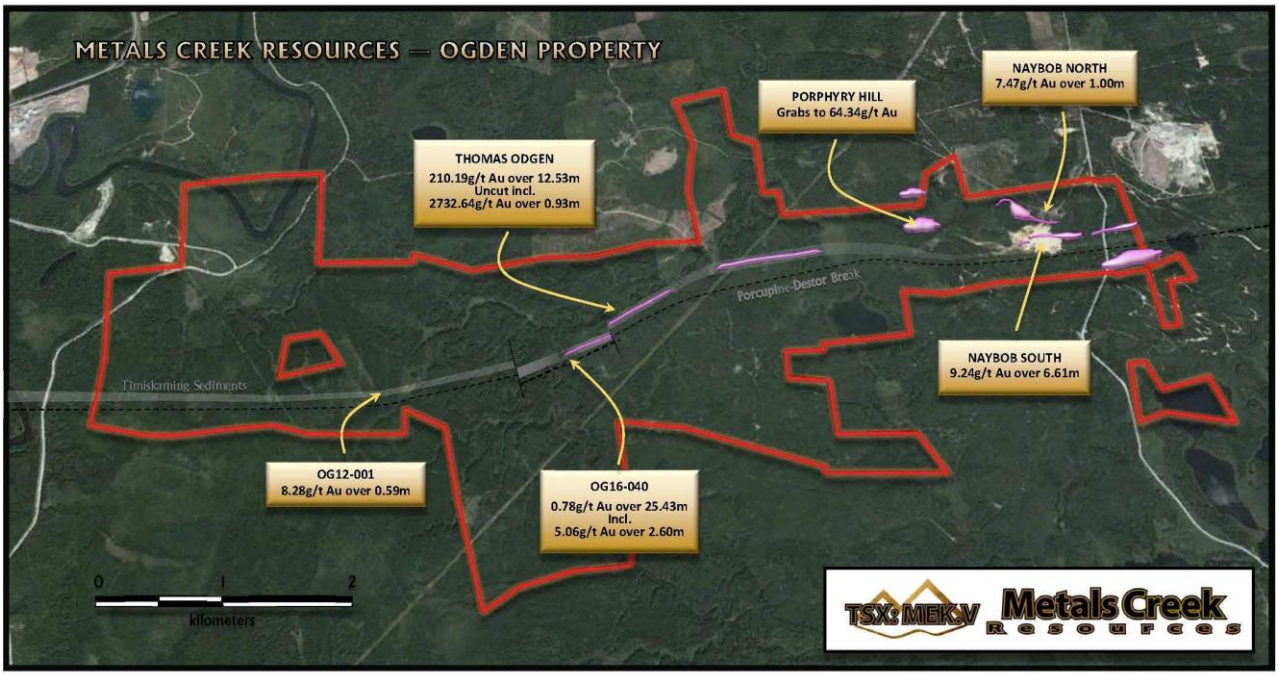


Figure 4: Ogden Historic Property Highlights

Geology

The Ogden Property is located within the Abitibi Sub-province that has to date produced over 150 Million oz of gold. The Timmins area is underlain by late Archean ultramafic to mafic supracrustal rocks which comprise four major assemblages. These are transected by a major regional fault system, the east-west trending Destor-Porcupine fault. Oldest rocks in the camp are mafic, intermediate and felsic volcanic rocks and chemical sediments of the Deloro Assemblage (2730-2725 Ma), which occur to the south of the Destor-Porcupine fault system. These are overlain by dominantly tholeiitic mafic volcanic rocks of the Tisdale Assemblage (2708-2700 Ma) that are present on both sides of the fault. The Tisdale rocks in the central Timmins camp are divided into four formations, which include the Hersey Lake Formation, the Central Formation, and the Gold Center Formation. The Tisdale assemblage is unconformably overlain by a felsic tuff sequence of the Krist Formation, which is developed in western portions of the camp. The Krist tuff unit appears associated with a suite of quartz-plagioclase porphyry (2691-2688 Ma) intrusions that form probable sub-volcanic feeders to the tuffs. Overlying the Krist is the Porcupine Assemblage, a thick sequence of turbiditic greywacke, siltstone and mudstone. Timiskaming Group clastic sediments (2673-2668 Ma, based on detrital zircons) unconformably overlie the Krist and Porcupine sequences and earlier volcanic sequences where the Krist and Porcupine sequences are not present.

The property straddles 8 km of the Porcupine Destor Fault corridor. The Porcupine Destor fault corridor separates the Deloro Group from the Tisdale Group; the latter of which hosts the gold mineralization of the Naybob Mine and Thomas Ogden Zones and the mainly prolific deposits of the Timmins camp. North of the Porcupine-Destor fault, the Tisdale volcanics vary from intermediate to carbonatized ultramafic flows. Sediment packages composed of argillites, greywackes and conglomerates are present of Porcupine and Timiskaming age. Tisdale rocks have been intruded by altered felsic to porphyritic dykes, sills and small stocks. The rocks dip steeply to the north and young south in the North Zone area of Naybob, but generally dip south and young north in the South and Thomas Ogden Zones. It is possible that a large property scale syncline exists with an east-west fold hinge. Deformation zones on the property are associated and in close proximity to the Porcupine-Destor Fault. Alteration and sulphide mineralization are commonly associated with the structures and associated gold mineralization.

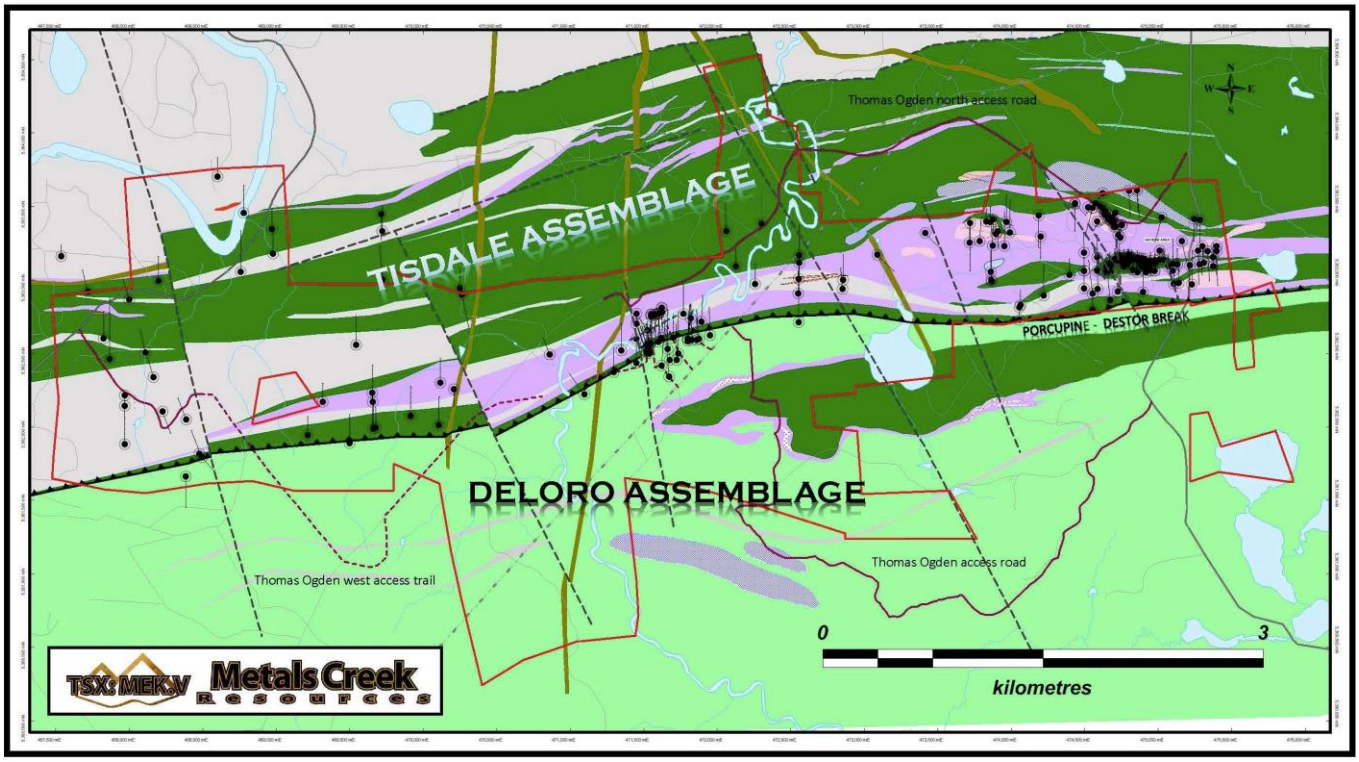


Figure 5: Ogden Property Geology

Below is an interpretation of the Thomas Ogden stratigraphy for which the Thomas Ogden Zone is located in. A transect from south to north can be seen from figure 6; a cross section illustration the stratigraphy.

Thomas Ogden Stratigraphy

From south the north, a felsic to intermediate fragmental/tuffaceous unit represents the top of the older Deloro Assemblage. An extremely strained chlorite schist presents the ductile Porcupine-Destor fault with local areas of strong pyritization. Capping the chlorite schist are highly deformed talc/serpentine/carbonate altered ultramafic volcanics that exhibit tremendous strain and millimeter-scale off-setting structures. Sandwiched between ultramafic volcanics are north younging sediments; an assemblage of conglomerate, greywacke and argillites with highly variable degrees of alteration and sulphide mineralization. Sitting atop the sediments is a younger and less strained package of ultramafics with strong talc alteration and slightly stronger magnetism. Late folding of the stratigraphy is evident and important in the deposition of the gold mineralization. Located in very close proximity to the Porcupine Destor Break like many of the deposits in the Timmins Camp, the host sediments and felsites exhibit folds that tighten and narrow westward. The folds appear to be plunging eastward at approx. 30 degrees with mineralization and diking with higher grade gold mineralization found within the fold noses. All lithologies are folded in this manner.

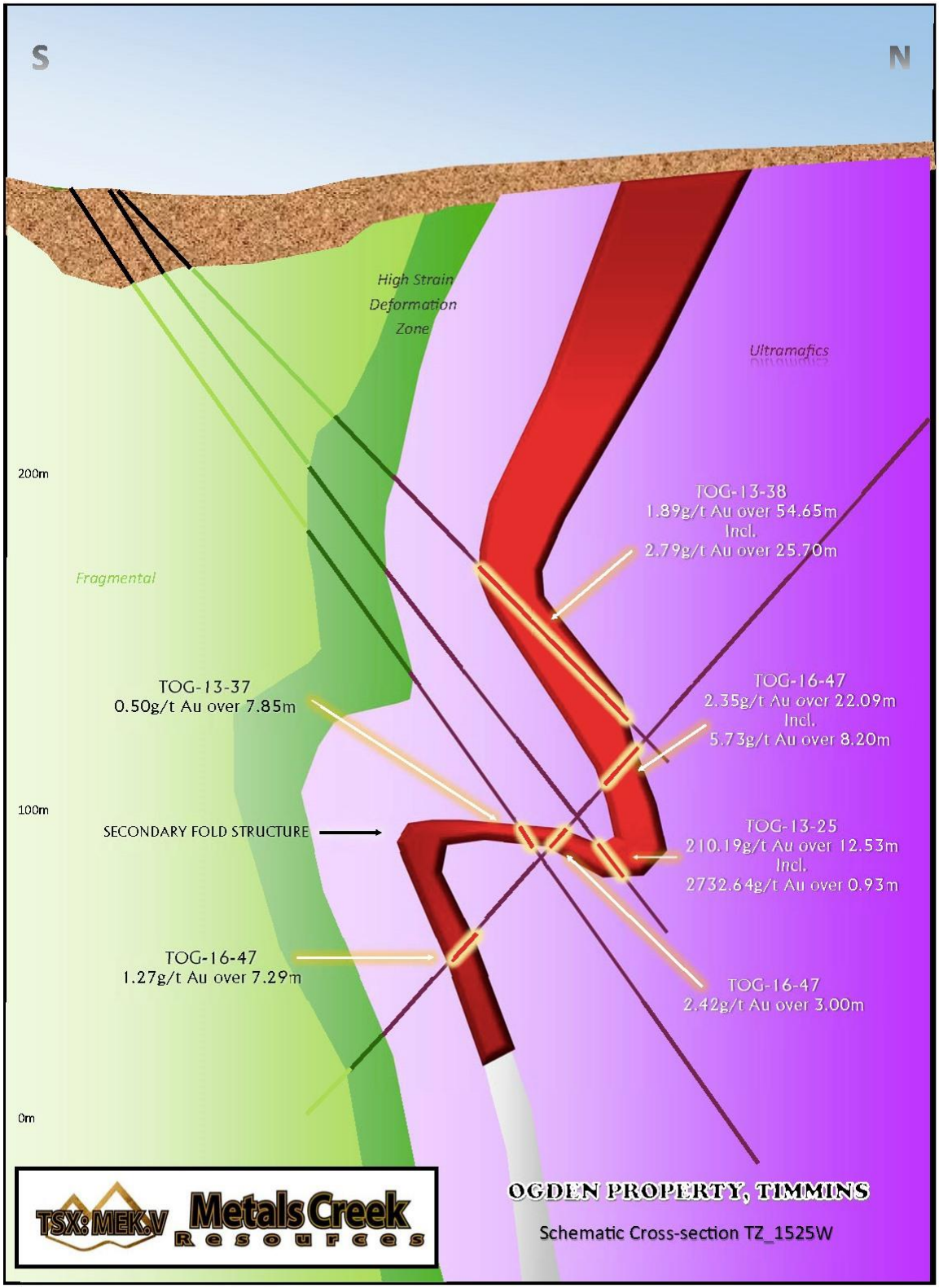
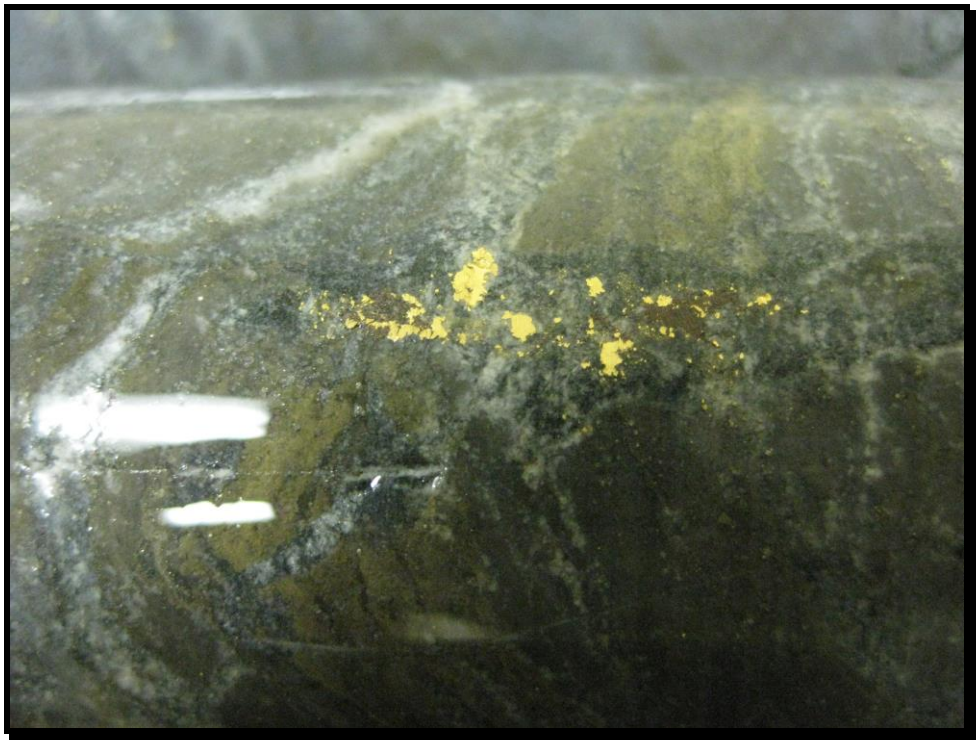


Figure 6: Thomas Ogden Schematic Cross Section

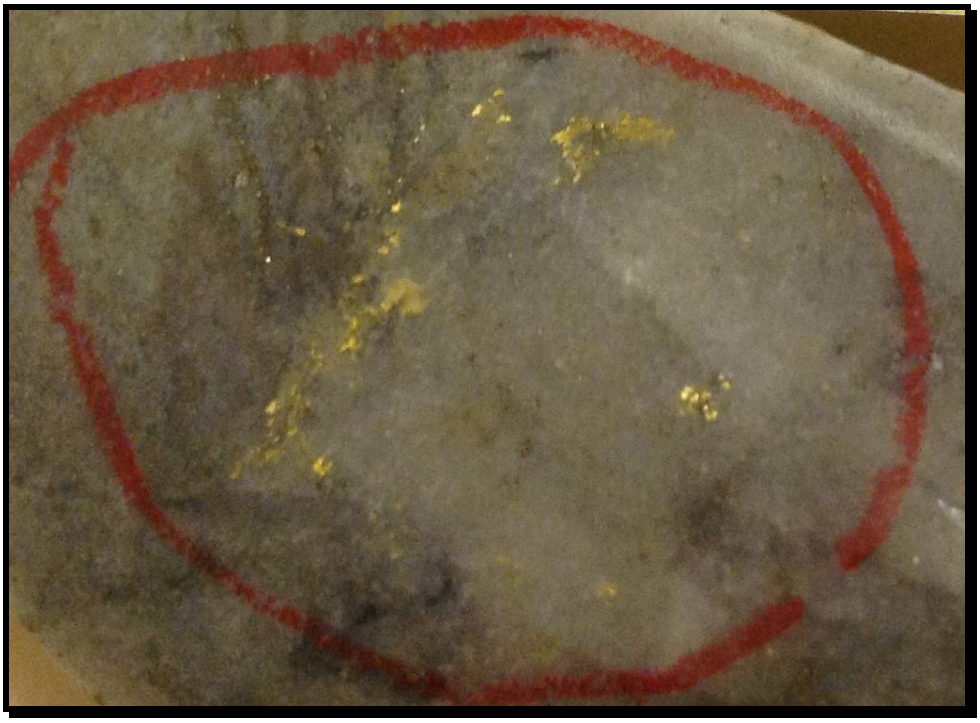
Gold within the Thomas Ogden Zone is commonly encountered in felsic/porphyry dikes and altered pebble conglomerates but can certainly be located in altered wackes and argillites. The felsic dikes are extremely siliceous with clotty beige/peach colored albitization and very little mafic content (<5%) and some local ankerite resulting in rusty patches and fractures. Late quartz stringers and veinlets are often associated with the alteration and free gold.

Alteration observed within the area of Thomas Ogden consists of variable amounts of silicification, albitization, sericitization as well as minor carbonate and fuchsite. The gold bearing sediments appear to be Porcupine sediments, containing occasional cherty jasperitic fragments. The gold bearing sediments are commonly well deformed exhibiting strong elongation of pebbles. Pyrite is the dominant sulphide with occasional arsenopyrite. Visible gold is not uncommon.

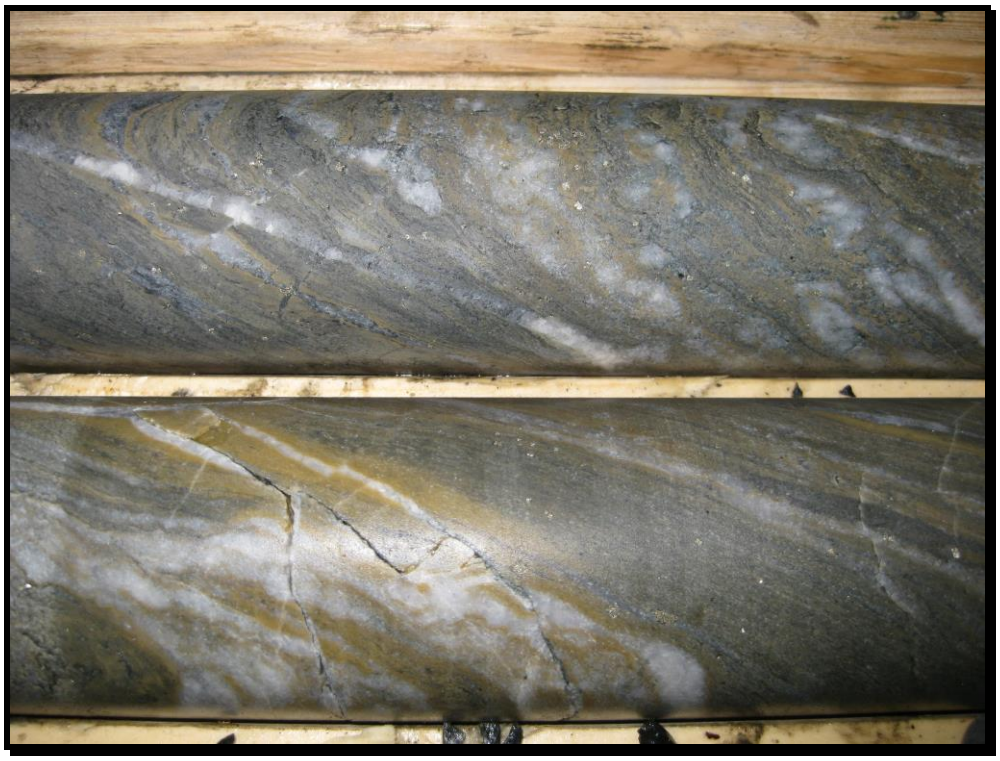


Visible gold in hole TOG-13-25 sample TOG-13-25-018 (2732.64g/t Au)

Visible gold in hole TOG-13-27 sample TOG-13-27-054 (434.77g/t Au)



Visible gold in hole TOG-12-07 sample TOG-12-07-029 (111.25g/t Au)

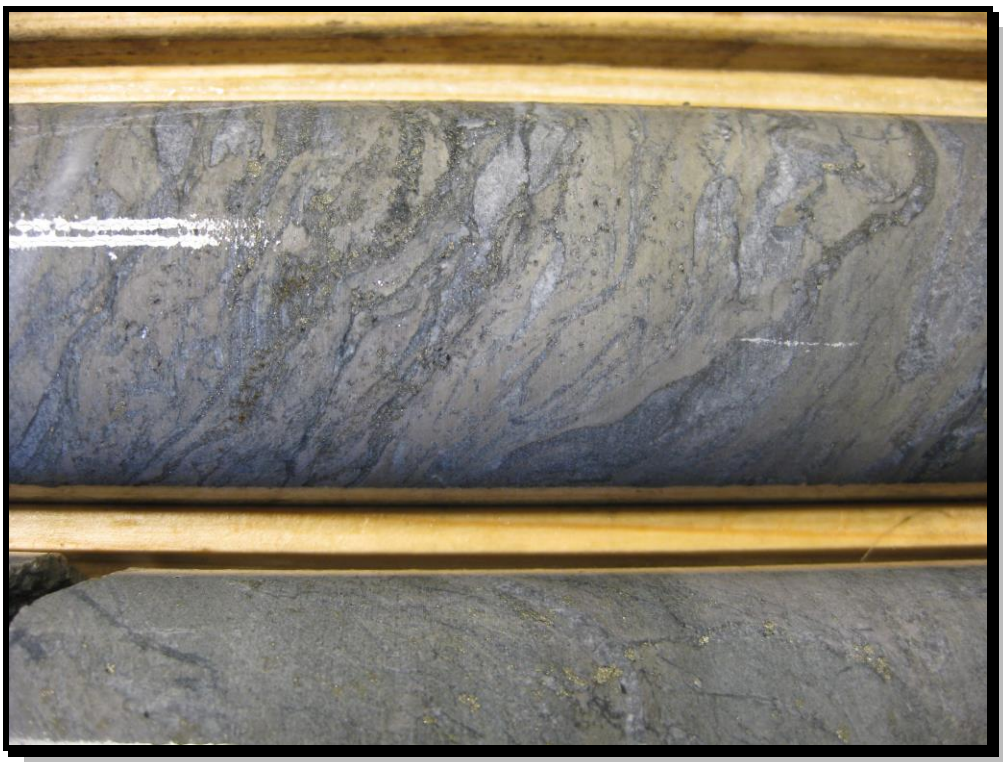


Albite-sericite-carbonate alteration typical of Thomas Ogden Zone

Albite-sericite-carbonate alteration typical of Thomas Ogden Zone with strong pyritization

South Zone

South Zone is the southern of two gold zones that saw limited historic mining and development. The South Zone lies north of and in close proximity to the PDB in weakly to moderately strained dacitic-andesitic pillow lavas and thin interbedded argillites. Numerous hang-wall alteration/mineralized zones to the main zone exist ranging from 0.2 to 4m in width, consisting of albite altered shears with diffuse to moderate contacts. Associated with the albitization is localized brecciation by late quartz stringers and arsenopyrite + pyrite mineralization and some free visible gold. The main targeted zone butts up against porphyry and ultramafics to the north and commonly contains minor fuchsite alteration as well. The gold bearing zones strike approximately 90^{o} and dip steeply south.



Albite alteration cut by quartz typical of South Zone with pyritization

Albite alteration cut by quartz typical of South Zone with strong arsenopyrite

North Zone

The North Zone is located in highly strained ultramafic volcanic rocks north of the Naybob Porphyry body that formed a dilation zone and a trap for gold deposition. The host rocks of NZ consist of strong green fuchsite and ankerite alteration with lesser albite and silicification. The style of mineralization is disseminated pyrite and free gold, within a quartz vein/stock-work and porphyry dikes, within or adjacent to the heavily deformed carbonate zone. Outside of the carbonate alteration zone, are intensely altered serpentinized/chloritized ultramafics.

Porphyry Hill

This is a feldspar porphyry stock located approximately 1km west of Naybob North that is rather massive and equigranular bound north and south by extremely strained and blocky ultramafic volcanics. A series of loosely spaced gold bearing quartz veins to 0.5m wide cut the intrusion with an east-west strike orientation. Grabs on surface to 64g/t have been attained with disseminated pyrite with trace chalcopyrite. The orientation of the stock is unclear at this time, but it is postulated that it may have an easterly plunge like that of the Naybob stock <1km east. Drilling to the east of the large outcropping has returned gold historically as well as within the 2018 diamond drill hole.

Summary of Previous Work

The Ogden Property has seen work since 1910.

1910: William Hayden discovered gold on surface in what is known as the South Zone.

1912 – 1917: Hayden Gold Mines- Exploration shaft on the North Zone to 97 meters. Property closed in 1917 due to WW1.

1922 – 1933: Hayden Gold Mines- Deepened shaft to 219 meters, conducted underground development. Constructed a small mill in 1932 and mined 30 tonnes prior to bankruptcy.

1933 – 1942: Naybob Gold Mines – Deepened shaft to 410 meters. Started milling ore at the rate of 30 tonnes/day. By 1942 a total of 194,000 tones @ a grade of 7.33 g/t were produced.

1938 – 1939: Diamond Drilling of Thomas Ogden Zone

1939 - Mapping by the Province of Ontario Department of Mines – Map No.47a of the Porcupine Area

1945 – 1948: Naybob Mines – Produced 5,450 tonnes @ a grade of 1.95 g/t in 1948.

1962 – 1964: Kenilworth Mines Ltd. – Bought Coniaurum mill in 1963 and leased DeSantis Mine. Planned to re-process tailings with a reported grade of 4.37 g/t. In-addition mined approximately 45,000 tonnes of unknown grade.

1984: Black River Resources – Optioned property and dewatered shaft. Conducted underground remapping and sampling. No further work completed by Black River Resources.

1985 – 1989: Victoria Porcupine Resources – Dewatered and repaired shaft to 220 meters. Conducted ground geophysical surveys. Drilled 48 holes totaling 7,359 meters, principally on the South Zone.

1990: Tore the plant down and other buildings burnt.

2004: Porcupine Joint Venture acquired property and conducted ground geophysical surveys. Drilled 3,176 meters in 13 holes.

2009 – 2017: Metals Creek Resources conducted 78.85 line kilometers of line-cutting, utilized for ground magnetics and induced polarization surveys. MEK had drilled a total of 33,448 meters in 127 holes on the property; 5 holes on North Zone, 30 holes on South Zone, 8 holes on Porphyry Hill, 76 holes on the Thomas Ogden zone and 8 holes testing other targets. See figure

7 to illustrate the magnetics with overlain induced polarization surveys and diamond drill holes drilled by MEK to date.

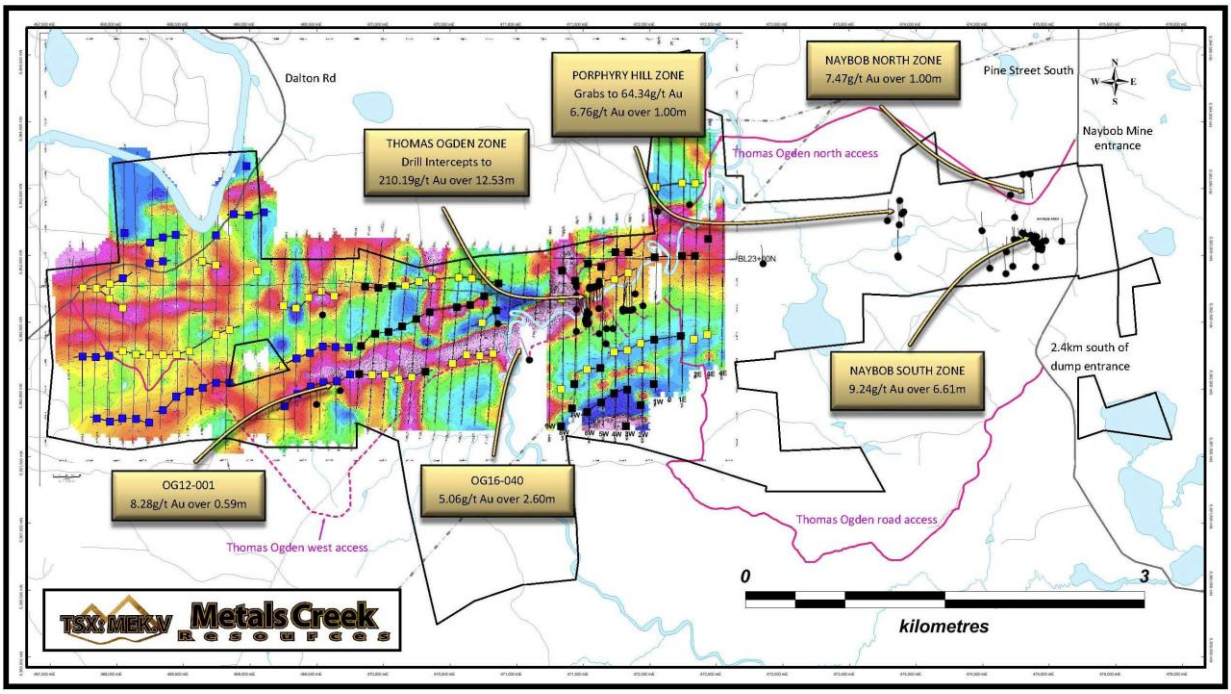


Figure 7: MEK 2009-2017 Ogden Work

2018: Metals Creek conducted a small drone magnetic survey over individual lease number LEA-19618 and 2,382m of diamond drilling was conducted on various zones on the property.

2019: Minor soil sampling and prospecting was carried on said lease LEA-19618. Weak gold and copper anomalies in the soils were generated.

2020: A 235 soil sampling program was undertaken immediately east and west of the Thomas Ogden Zone for means of a spatiotemporal geochemical hydrocarbon (SGH) study. Two anomalies were generated, both straddling the Thomas Ogden gold zone.

2021: 982 additonal SGH soils were collected to test the porcupine destor stratigraphy from the western boundary to the eastern boundary (outside of TOZ and SZ) as well as other areas of highest priorty. Three new SGH anomalies were discovered.

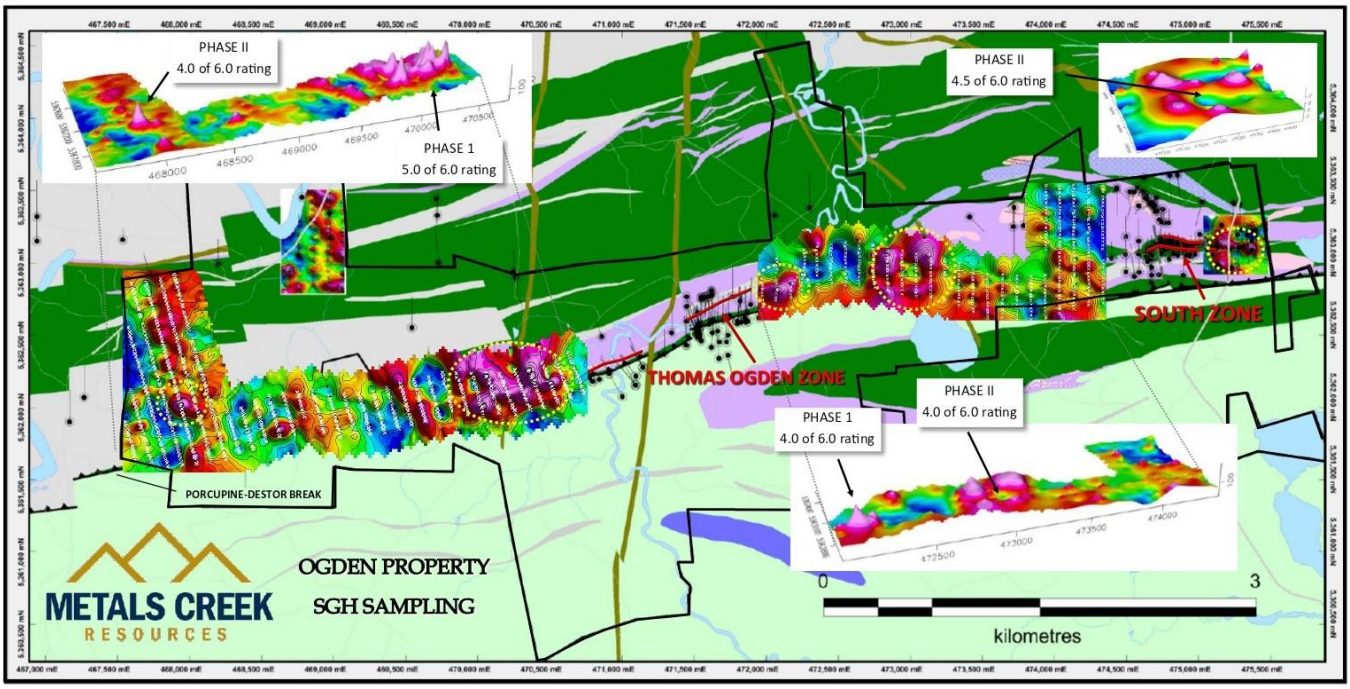


Figure 8: MEK 2020-2021 SGH Results

Diamond Drilling Programs

Drilling on the Ogden property was conducted over two programs by Drillco of North Bay, with the first program commencing on Sept 17, 2021 and finishing on October 05, 2021 and the second commencing February 11, 2022 to March 23, 2022. A total of 16 holes were put down for 5,154m. Drill core was picked up at the drill by the geologists or geological helper or dropped off at the core shack by the drill foreman. Logging was done by S. Huebert with minor contributions by D.Heerema and M.MacIsaac. The core was cut and boxed cross-piled on heavy duty 5x5' pallets by assistant P. Robert. Core facility owner B. Polk assisted to piece core together and draw accurate orientation lines on the oriented core. A total of 1,101 core samples with an additional 60 blanks and 36 standards were sent to Actlabs for gold analysis. See appendix III for assay certificates.

The 2021 drilling campaign focused on drilling oriented core in areas of the Thomas Ogden zone that were thought to give a representitive suite of rocks, veins and structures related to gold mineralization within very complex deformation. Utilizing the Reflex Acetool, six (6) holes were put down targeting the sediment package with emphasis on the orientation of folaiton, bedding, veins, alteration and structures that could be measured for perhaps a clearer picture of important features. Seven (7) holes were initiated, but one was abandoned and restarted due to deviation.

The 2022 diamond drilling program was designed to test both the Thomas Ogden Zone as well as SGH anomalies generated from the 2020-21 SGH sampling programs. Nine (9) holes were put down totaling 3,078m for the collection of 706 samples. The Thomas Ogden gold mineralization was targeting with 25m stepouts from previous gold intercepts in hole TOG-21-64 and 65A to try and follow the gold mineralization along strike and down plunge.
Two SGH anomalies were drilled; a large anomaly to the west of the TOZ and a smaller anomaly to the east of TOZ. See below for breakdown of holes.

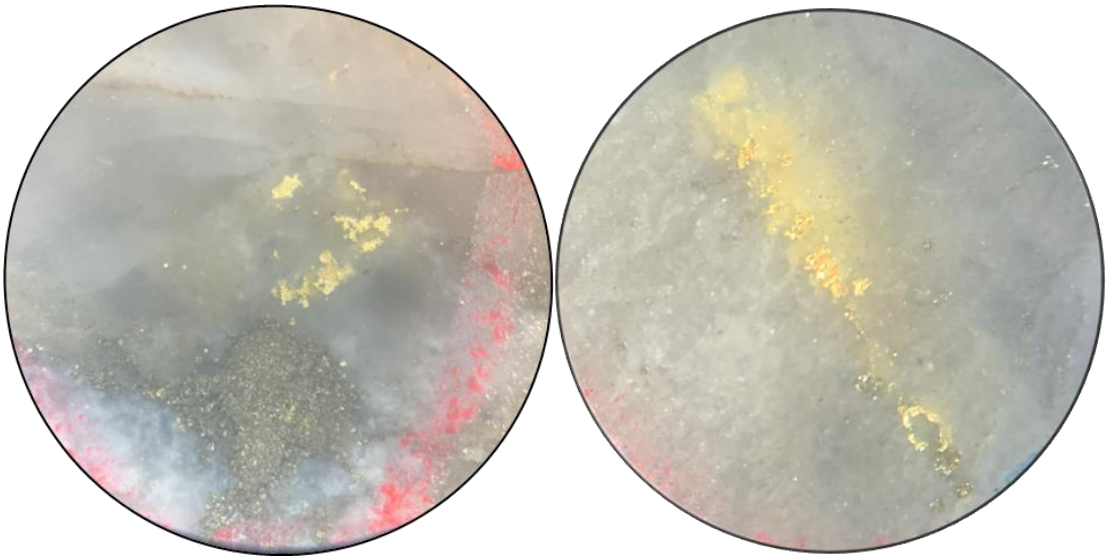
Thomas Ogden Zone Drilling

TOG-21-64: This hole was put down on section 1200W to test in relatively close proximity to hole TOG-11-01 that returned 3.16g/t Au over 13.40m including 5.37g/t Au over 5.20m. Hole TOG-21-64 was 390m in length, oriented and used for structural data as one of two holes on the section. This hole returned a drilled intercept of *3.42g/t Au over 2.74m*.

TOG-21-65: This hole was an attempt at a second hole on section 1200W but due to extensive deviation the hole was stopped at 129m and casing pulled.

TOG-21-65A: A second attempt at testing a gap in drilling on section 1200W for the purpose of gaining structural data in an area of stronger gold mineralization. This hole was attempting to drill above hole TOG-11-02 that has yielded a drilled intercepts of 2.52g/t Au over 5.69m and 9.41g/t Au over 3.28m. Hole TOG-21-65A did drill above TOG-11-02 but had deviated left (west) slightly and returned *5.43g/t Au over 8.13m including 15.71g/t Au over 2.00m* from a severely quartz flooded zone with significant visible gold.

Albitization cut by quartz flooding, pyrite and visible gold of TOG-21-65A



Photos through microscope of visible gold of TOG-21-65A

TOG-21-66: Drilled to a depth of 285m of section 1525W in an attempt to pierce the stratigraphy very close to hole TOG-13-25 that returned an uncut intercept of 210.19g/t Au over 12.53m or 15.35g/t Au over 12.53m cut to 100g/t Au. Hole TOG-21-66 had over shallowed slightly and pierced higher than planned cutting *1.78g/t Au over 3.35m*. The hole was used for structural data within the sediment package of interest.

TOG-21-67: Drilled on section 1512W to testing a gap in drilling. The hole drilled to 291m cutting a moderately altered and mineralized felsite to returned *1.36g/t Au over 6.42m including 3.30g/t Au over 1.17m.*

TOG-21-68: Drilled on section 1493W as a stepout beneath hole TOG-13-24 to test highly folded and stretched sediments. Hole TOG-21-68 intersected weakly altered and mineralized felsite and no apparent sediments. Only anomalous gold of *0.58g/t Au over 3.49m* was returned.

TOG-21-69: This hole was drilled to a depth of 261m in close proximity to hole TOG-12-06 that returned 5.83g/t Au over 16.27m to gain structural data by means of oriented core. Hole TOG-21-69 cut folded argillites and conglomerates yielding *1.239g/t Au over 8.89m including 2.54g/t Au over 2.31m* along with footwall mineralization of *3.86g/t Au over 3.00m* at the northern contact of argillites with ultramafics.

TOG-22-70: Following up on the 2021 results, this hole was put down on section 1200W to test where TOG-21-65A was planned to have pierced. This hole managed to stay on section, piercing stratigraphy some 10.4m from hole TOG-21-65A only returning *1.96g/t Au over 3.44m*.

TOG-22-71: Also drilled on section 1200W to fill in a gap between drillholes. Drilled to 405m, this hole intersected pebble conglomerates to greywacke and argillite with typical younging to the north. The hole cut a broader zone of mineralization at ***1.13g/t Au over 12.14m including 2.07g/t Au over 3.98m.***

TOG-22-72: This 429m hole was drilled 25m east of TOG-21-65A on section 1175W attempting to pierce the sediments/mineralization at the same elevation at the intercept in TOG-21-65A. It was hypothesised based on all drilling data that mineralization is very flat lying in the area. Hole TOG-22-72 did cut the stratigraphy at basically the same elevation and returned ***4.88g/t Au over 2.05m*** within altered conglomerate as well as ***2.63g/t Au over 1.75m*** within argillites the north contact with ultramafics.

TOG-22-73: This 411m hole was drilled 25m west of TOG-21-65A, also trying to test the same elevation and theory as well as expand mineralization on moderate steps outs. Ultimately the hole pierced close to plan and resulted in a significant intercept within strongly altered felsite. The mineralized felsite returned ***4.24g/t Au over 5.61m including 18.92g/t Au over 1.19m.***

Albitization and clotty fuchsite with quartz flooding of TOG-22-73

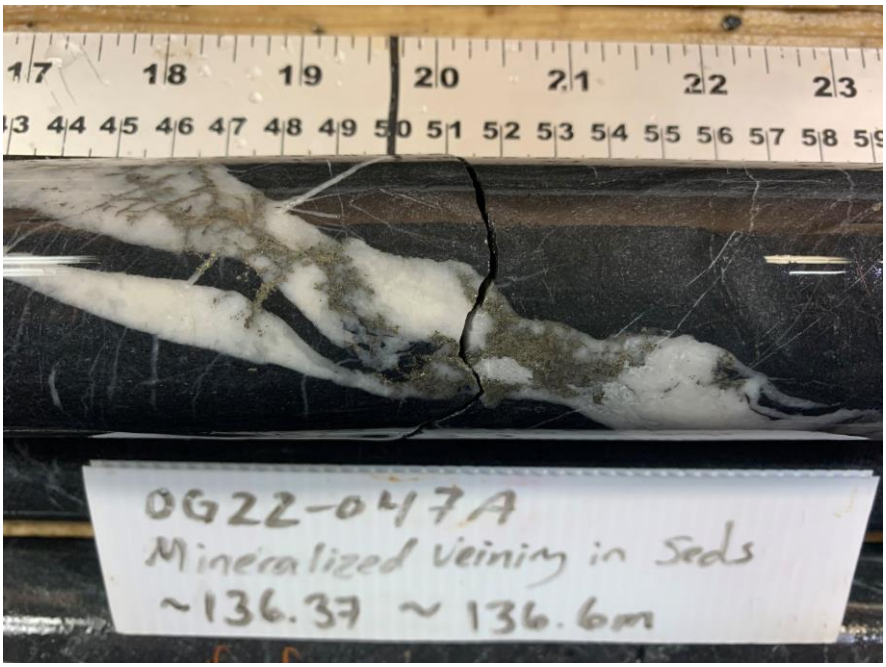
TOG-22-74A: Designed as an undercut to TOG-22-73 as the core from 73 was visually appealing along with visible gold. Planned to pierce approximately 25m below TOG-22-73, this hole pierced 20m down dip of 73 cutting strongly altered felsite, conglomerate and argillite with up to 8% quartz veinlets and visible gold in four samples. A broader zone of ***3.66g/t Au over 14.66m including two higher-grade intervals of 4.56g/t Au over 5.44m and 5.13g/t Au over 4.30m*** was attained and remains open beneath at the time of this report.

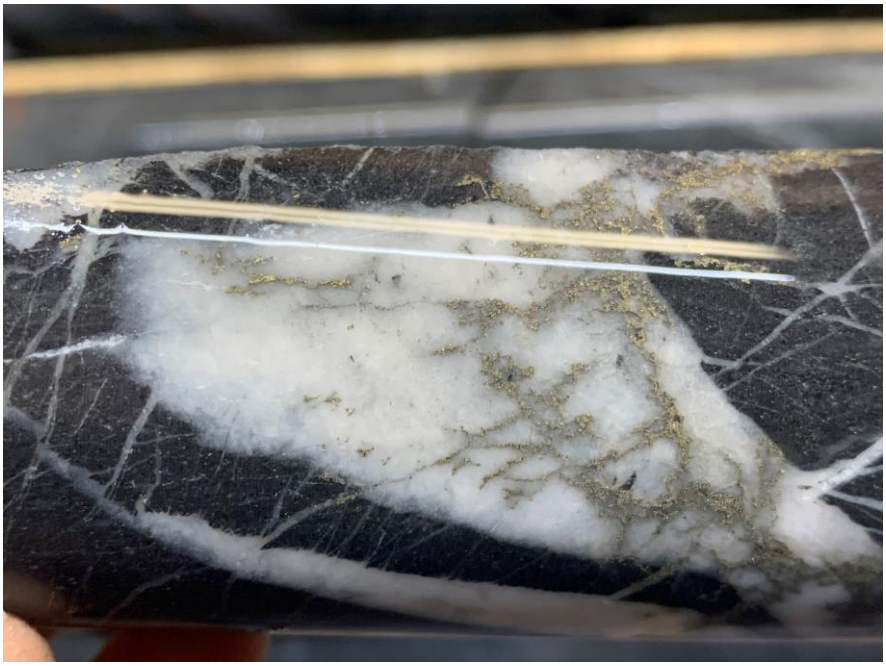
Albitization with quartz flooding and visible gold of TOG-22-74A

SGH Anomaly Drilling

OG22-046: A single 213m drillhole was put down on a SGH anomaly rated 4.0 out of 6.0 by Actlabs. As it turned out, the hole may have been collared too far north as the overburden was very thick and once hitting bedrock the hole was collared into the sediment package. Very weakly altered conglomerates fining to argillites (north facing) were encountered with minor felsite. A broad zone of gold mineralization of *0.36g/t Au over 8.96m* was cut with the highest individual sample returning 0.72g/t Au. Associated with the anomalous gold values is a slight increase in arsenopyrite averaging approximately 1.5% and upto 3% locally. Pyrite mineralization to 25% was locally seen within the conglomerates as well. Near the base of the hole within brecciated volcanics is a narrow zone of *0.49g/t Au over 2.20m*.

OG22-047A: One of three holes put down on the large SGH anomaly immediately west of the Thomas Ogden West gold zone and thought to be an extention of the gold zone. This hole was drilled on western end of the anomaly cutting approximately 98m of argillite and greywacke with variable amounts of brittle fracture filled quartz-carb veining and sulphides consisting of pyrite with trace to minor pyrrhotite and sphalerite. Late small scale tension gashes evident. No significant assays were attained.





Tension quartz veins and veinlets with pyrite in argillite of OG22-047A

OG22-048: Was drilled more central on the SGH anomaly. The hole collared into Deloro assemblage tuffs before drilling highly strained Tisdale chlorite schist and ultramafics. Approximately 6m of mineralized felsite was cut before drilling conglomerates and argillites, with sediments fining and younging northward. No significant assay were attained.

OG22-049: An undercut of OG22-048. Similar geology was intersected and no significant assays were attained. The SGH anomaly remains a mystery.

MEK Sampling, Analytical Techniques

A consistent sampling method was used throughout both drill programs. Samples were collected in all areas of interesting geology, alteration and mineralization. Sampling lengths were generally limited to 1 meter in length unless sampling specific mineralization or the beginning or end of a specific lithological unit. The sampled core was cut using an electric Vancon core saw at a rented core shack facility. Half of the core for each individual sample was bagged and stapled closed for assay and the other half retained in proper location in the core box.

As a means of sample quality control, blank and standard samples were randomly inserted into the sampling series. Blank samples were inserted into the continuous sampling series and random positions were chosen within each set of 20 samples (e.g. 1 blank sample within samples 1 to 20, another blank sample within samples 21 to 40, etc). Occasionally a blank was inserted as a sample immediately after a sample containing visible gold to test the labs cleaning between samples. The blanks used were purchased pre-packaged silica flour packets. Similar to the blanks, standards were inserted into the continuous sampling series, but within each set of 30 samples. Multiple different standards were used: HGS1, HGS3, VMS4, CDN-CM-2, CDN-GS-9D, CDN-GS-3U, CDN-CM-44 and CDN-GS-3H. One thousand, one hundred and one (1,101) core samples plus 60 additional blanks and 36 standards were sent to Activation Labs (Actlabs) for gold analysis.

All of the samples were brought by MEK personnel to Activation Labs in Timmins or Thunder Bay, Ontario where they were analyzed for Au using a standard fire assay with atomic absorption finish. Check samples on every 10th sample were sent to AGAT in Thunder Bay for comparisons to original fire assay results.

The re-assay protocol for drill core was as follows; any sample that assayed over 1g/t Au was to be re-run using gravimetrics and samples greater than 5.0g/t Au were re-assayed using coarse metallics. This re-run policy was put in place to ensure that checks were run on all anomalous samples as a means to see if any coarse gold grains were getting caught up in the screens. MEK on special request has added additional samples for gravimetrics or metallics that were in close proximity or adjacent to samples with visible gold. All re-run samples were done using reject material.

Tools and Equipment Used

Used for drilling was a Drillco manufactured Clean-Tech Modular Drilling System
Used for moving drill and drill pad set-ups was a D6M-LGP dozer
Used to spot collar location coordinates and get final coordinates is a handheld Garmin 76CSx
Used for all drill alignments was a Devico DeviAligner
Used for downhole surveys was the DeviGyro for 2021 drilling and DeviShot shot for 2022
Used in 2021 for oriented core was Reflex ActIII tool and Reflex IQ-Logger
Used to cut core was an electric Vancon core saw

Drillhole Location Information

Hole ID	Patent or Lease Collared on
TOG-21-64	PAT-2684
TOG-21-65	PAT-2684
TOG-21-65A	PAT-2684
TOG-21-66	PAT-3679
TOG-21-67	PAT-3679
TOG-21-68	PAT-3679

Hole ID	Patent or Lease Collared on
TOG-21-69	PAT-3679
TOG-22-70	PAT-2684
TOG-22-71	PAT-2684
TOG-22-72	PAT-2684
TOG-22-73	PAT-2684

Hole ID	Patent or Lease Collared on
TOG-22-74A	PAT-2684
OG22-046	PAT-28700
OG22-047A	LEA-108841
OG22-048	PAT-3427
OG22-049	PAT-3427

Percentage of Work by Patent/Lease

Hole ID	Length (m)	PAT-2684	PAT-2685	PAT-3679	PAT-3427	PAT-28700	LEA-108841
TOG-21-64	390	195	195				
TOG-21-65	129	129					
TOG-21-65A	414	248	166				
TOG-21-66	285			285			
TOG-21-67	291			291			
TOG-21-68	306			306			
TOG-21-69	261			261			
TOG-22-70	417	245	172				
TOG-22-71	405	207	198				
TOG-22-72	429	260	169				
TOG-22-73	411	237	174				
TOG-22-74A	414	265	149				
OG22-046	213					213	
OG22-047A	216						216
OG22-048	300				48		252
OG22-049	273				69		204
TOTAL	5154	1786	1223	1143	117	213	672
% work/claim		34.65	23.73	22.18	2.27	4.13	13.04

Drill Collar Information and Drilling Highlights

Hole ID	NAD83 Zone17 Easting	NAD83 Zone17 Northing	Azimuth	Dip	Length (m)	From (m)	To (m)	Length (m)	Au g/t
TOG-21-64	471799	5362592.5	3	-56.023	390.0	245.53	245.85	0.32	1.38
and						266.71	274.19	6.78	1.89
incl						271.26	273.49	2.23	4.21
and						299.82	300.61	0.79	1.35
and						301.62	302.09	0.47	2.10
and						307.00	308.46	1.46	1.59
and						378.23	379.58	1.35	2.04
TOG-21-65	471799	5362592.5	3	-62.7	129.0	NO SAMPLING DONE			
TOG-21-65A	471799	5362592.35	2.73	-64.893	414.0	348.53	356.66	8.13	5.43
incl						348.53	352.50	3.97	10.02
incl						350.50	352.50	2.00	15.71
and						371.22	372.33	1.11	2.18
and						401.07	402.00	0.93	1.15
TOG-21-66	471519.5	5362505	345.47	-52.769	285.0	234.28	234.65	0.37	1.55
and						240.00	246.10	6.10	1.19
incl						241.00	244.35	3.35	1.78
and						257.55	258.55	1.00	1.15
TOG-21-67	471520	5362505	348.99	-54.341	291.0	263.84	270.26	6.42	1.36
incl						269.09	270.26	1.17	3.30
TOG-21-68	471520.3	5362505	354.17	-55.113	306.0	245.24	248.73	3.49	0.58
TOG-21-69	471520	5362505.3	348.86	-46.098	261.0	173.25	174.26	1.01	5.08
and						179.00	187.89	8.89	1.23
incl						183.30	187.89	4.59	1.93
incl						185.58	187.89	2.31	2.54
and						193.54	194.06	0.52	12.60
and						207.48	208.52	1.04	1.45
and						240.00	243.00	3.00	3.86
incl						241.79	243.00	1.21	7.84

Continued

Hole ID	NAD83 Zone17 Easting	NAD83 Zone17 Northing	Azimuth	Dip	Length (m)	From (m)	To (m)	Length (m)	Au g/t
TOG-22-70	471800	5362592	3.02	-63.207	417.0	347.14	348.00	0.86	1.97
and						357.44	360.88	3.44	1.96
and						373.24	374.68	1.44	1.06
and						398.82	399.29	0.47	1.17
and						404.78	406.21	1.43	6.83
incl						405.48	406.21	0.73	12.70
TOG-22-71	471800	5362592.3	2.16	-57.02	405.0	284.95	286.00	1.05	12.30
and						313.15	314.10	0.95	5.01
and						324.63	336.77	12.14	1.13
incl						328.27	332.25	3.98	2.07
incl						328.27	329.00	0.73	6.81
TOG-22-72	471822	5362588	2	-63.6	429.00	354.34	356.35	2.01	4.71
incl						354.34	355.00	0.66	13.50
and						373.00	376.40	3.40	1.67
incl						374.65	376.40	1.75	2.63
TOG-22-73	471780	5362600	1.8	-65.1	411.00	346.25	351.86	5.61	4.24
incl						346.25	347.44	1.19	18.92
TOG-22-74A	471800	5362591.5	2.81	-66.5	414.00	351.40	366.06	14.66	3.66
incl						351.40	356.84	5.44	4.56
incl						351.40	353.70	2.30	8.77
incl						361.76	366.06	4.30	5.13
incl						361.76	363.24	1.48	10.05
and						394.79	395.77	0.98	1.28
and						399.35	399.73	0.38	3.79
OG22-046	473000	5362860	359.9	-50.0	213.00	142.24	150.00	7.76	0.35
and						195.00	196.10	1.10	0.85
OG22-047A	470025	5362032	334.95	-50.1	216.00	NO SIGNIFICANT ASSAYS			
OG22-048	470335	5362055	335.11	-45.071	300.0	NO SIGNIFICANT ASSAYS			
OG22-049	470335	5362055	335.1	-59.685	273.0	NO SIGNIFICANT ASSAYS			

Conclusions and Recommendations

Metals Creek continues to demonstrate that significant gold mineralization exists at the Thomas Ogden Zone. The two drilling programs continued to show gold mineralization to exist with a shallow easterly plunge associated with strong silifiication and quartz veining.

It is reccommended that future drilling on the TOZ show focus on 25m stepouts from any drillholes that cut moderate to significant gold mineralization to build on expanding gold mineralization. Emphasis should be made on utilizing resisitivity data from the 2021-2022 3D induced polarization survey for targeting zones of potentially stronger alteration.

Drilling outside of the TOZ did not result in significant gold mineralization and the SGH anomalies remain largely unexplained. The eastern SGH anomaly tested in hole OG22-046 yielded anomalous gold values with interesting alteration and sulphide mineralization. Stepping back (south) from OG22-046 is reccommended to get another cut at said alteration/mineralization as well as try to test the southern contact of the sediment package of interest that was overshot in OG22-046.

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1999: Geological Report – The Ogden and Deloro Townships Property, Ontario.

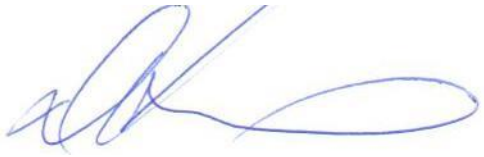
Rhys, D.
2004: Memo to Porcupine Joint Venture on the Timmins West structure.

Rhys, D.
2017: Geological Observations from Site Visits to the Ogden Project, Porcupine Mining District

Statement of Qualifications

I, Don Heerema Jr., hereby certify that:

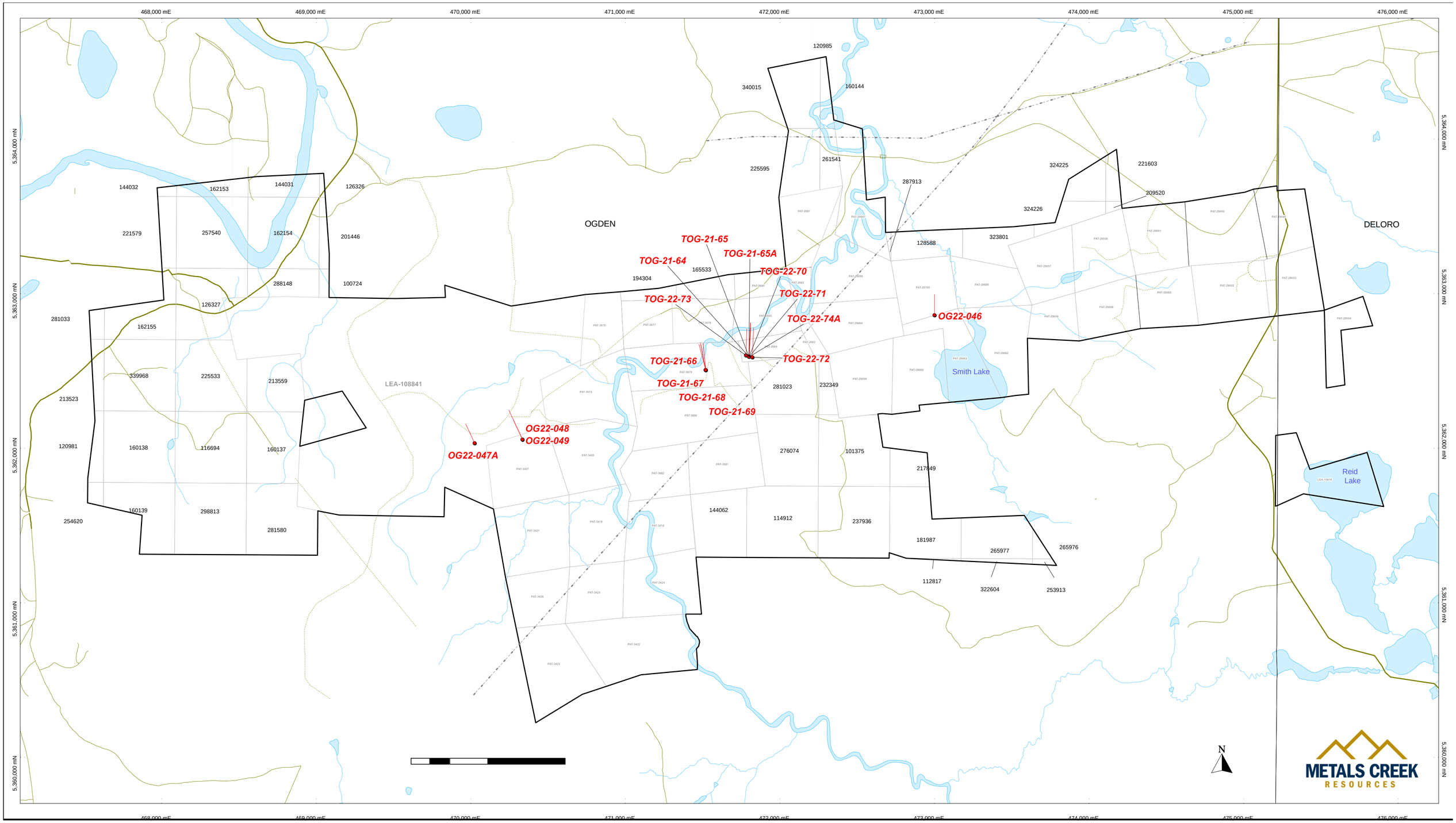
1. I am a practicing geologist in Thunder Bay, Ontario and reside at 26 Burriss Street, Thunder Bay, Ontario, P7A 3C9.
2. I am a graduate of Lakehead University with a HBSc. in Geology.
3. I am a Canadian Citizen.
4. I have practiced my profession full time since graduation in 2002.
5. I am a practicing member of the Association of Professional Geoscientists of Ontario, registration #1528.
6. I do not have, nor do I expect to receive directly or indirectly, any interest in the properties of Metals Creek Resources.

Signature: 

Date: January 13, 2023

APPENDIX I

PLAN MAP AND DRILL SECTIONS


468,000 mE
469,000 mE
470,000 mE
471,000 mE
472,000 mE
473,000 mE
474,000 mE
475,000 mE
476,000 mE
5,364,000 mN
5,363,000 mN
5,362,000 mN
5,361,000 mN
5,360,000 mN
OGDEN
DELORO
LEA-108841
Smith Lake
Reid Lake
TOG-21-65
TOG-21-65A
TOG-21-64
TOG-22-70
TOG-22-71
TOG-22-73
TOG-22-74A
TOG-22-72
TOG-21-66
TOG-21-67
TOG-21-68
TOG-21-69
OG22-046
OG22-048
OG22-049
OG22-047A
120985
340015
160144
261541
225595
287913
324225
221603
209520
324226
323801
128588
144032
162153
144031
126326
221579
257540
162154
201446
194304
165533
288148
100724
126327
281033
162155
339968
225533
213559
213523
120981
160138
116694
160137
160139
298813
254620
281580
281023
232349
276074
101375
217849
144062
114912
237936
181987
265977
265976
112817
322604
253913
N
METALS CREEK
RESOURCES

S

N

North

500.00 Y

400.00 Y

300.00 Y

200.00 Y

100.00 Y

0.00 Y

-100.00 Y

-200.00 Y

300.00 X

400.00 X

500.00 X

600.00 X

700.00 X

471800.0 X

5362600.0 Y

5362700.0 Y

5362800.0 Y

TOG-22-73

TOG-22-74A

TOG-21-65A

TOG-22-71

TOG-21-64

TOG-22-70

TOG-21-65

TOG-22-72

Section Corridor

PAT-2684

PAT-2685

-50 0

Scale 1:1000

Planview

PAT-2684

PAT-2685

TOG-21-65
3 azimuth, -62.7 dip,
129m length

TOG-21-65

TOG-21-64
3 azimuth, -56.02 dip,
390m length

TOG-21-64

TOG-22-71
2.16 azimuth, -57.02 dip,
405m length

TOG-22-71

TOG-22-70
3.02 azimuth, -63.21 dip,
417m length

TOG-22-70

TOG-21-65A

TOG-22-74A
2.81 azimuth, -66.52 dip,
414m length

TOG-22-74A

TOG-21-65A
2.73 azimuth, -64.89 dip,
414m length

Geological Legend

VI1 - Andesite - Fragmentals and tuffs of andesitic composition

VM - Mafic Metavolcanics - high strain zone of chlorite schist

UM - Ultramafics - chlorite/talc/serpentine and carbonate altered

ST2 - Conglomerate - pebble conglomerate (mainly felsic pebbles, occasional jasperitic pebble

ST6 - Greywacke

ST7 - Interbedded Greywacke and Argillites

ST8 - Argillites - finely bedded silts to muds

ST10 - Graphitic Argillites

FP10 - Felsite Dike

F.DK - Felsic Dike

I.DK - Intermediate Dike

F.Z - Fault Zone

QV - Quartz Vein

NS - Not Sampled

-50 0 50

Scale 1:1000

METALS CREEK RESOURCES

THOMAS OGDEN ZONE

Section looking west

Corridor width of 28m

S

N

North

TOG-22-73

TOG-21-65A

TOG-22-71

TOG-21-64

TOG-22-70

TOG-21-65

TOG-22-72

Section Corridor

PAT-2684

PAT-2685

-50 0

Scale 1:1000

NAD83 Zone17

Planview

PAT-2684

PAT-2685

TOG-22-72

2 azimuth, -63.55 dip,
429m length

Geological Legend

VI1 - Andesite - Fragmentals and tuffs of andesitic composition

VM - Mafic Metavolcanics - high strain zone of chlorite schist

UM - Ultramafics - chlorite/talc/serpentine and carbonate altered

ST2 - Conglomerate - pebble conglomerate (mainly felsic pebbles, occasional jasperitic pebble

ST6 - Greywacke

ST7 - Interbedded Greywacke and Argillites

ST8 - Argillites - finely bedded silts to muds

ST10 - Graphitic Argillites

FP10 - Felsite Dike

F.DK - Felsic Dike

I.DK - Intermediate Dike

F.Z - Fault Zone

QV - Quartz Vein

NS - Not Sampled

-50 0 50

Scale 1:1000

METALS CREEK RESOURCES

THOMAS OGDEN ZONE

Section looking west

Corridor width of 25m

S

N

North

Section Corridor

TOG-22-73

TOG-22-74

TOG-21-65A

TOG-22-71

TOG-21-64

TOG-22-70

TOG-21-65

TOG-22-72

PAT-2684

PAT-2685

471800.0 X

-50 0

Scale 1:1000

NAD83 Zone17

Planview

500.00 Y

400.00 Y

300.00 Y

200.00 Y

100.00 Y

0.00 Y

-100.00 Y

-200.00 Y

300.00 X

400.00 X

500.00 X

600.00 X

700.00 X

5362600.0 Y

5362700.0 Y

5362800.0 Y

PAT-2684

PAT-2685

TOG-22-73

TOG-22-73
1.8 azimuth, -65.1 dip,
411m length

Geological Legend

VI1 - Andesite - Fragmentals and tuffs of andesitic composition

VM - Mafic Metavolcanics - high strain zone of chlorite schist

UM - Ultramafics - chlorite/talc/serpentine and carbonate altered

ST2 - Conglomerate - pebble conglomerate (mainly felsic pebbles, occasional jasperitic pebble

ST6 - Greywacke

ST7 - Interbedded Greywacke and Argillites

ST8 - Argillites - finely bedded silts to muds

ST10 - Graphitic Argillites

FP10 - Felsite Dike

F.DK - Felsic Dike

I.DK - Intermediate Dike

F.Z - Fault Zone

QV - Quartz Vein

NS - Not Sampled

-50 0 50

Scale 1:1000

METALS CREEK RESOURCES

THOMAS OGDEN ZONE

Section looking west

Corridor width of 22m

S

N

North

PAT-3679

PAT-3676

Section Corridor

TOG-21-66

TOG-21-68

471500.0 X

-50 0

Scale 1:1000

NAD83 Zone17

Planview

PAT-3679

PAT-3676

TOG-21-68

TOG-21-66

TOG-21-69

TOG-21-67

TOG-21-69
348.86 azimuth, -46.09 dip, 261m length

TOG-21-67
348.99 azimuth, -54.34 dip, 291m length

Geological Legend

VI1 - Andesite - Fragmentals and tuffs of andesitic composition

VM - Mafic Metavolcanics - high strain zone of chlorite schist

UM - Ultramafics - chlorite/talc/serpentine and carbonate altered

ST2 - Conglomerate - pebble conglomerate (mainly felsic pebbles, occasional jasperitic pebble

ST6 - Greywacke

ST7 - Interbedded Greywacke and Argillites

ST8 - Argillites - finely bedded silts to muds

ST10 - Graphitic Argillites

FP10 - Felsite Dike

F.DK - Felsic Dike

I.DK - Intermediate Dike

F.Z - Fault Zone

QV - Quartz Vein

NS - Not Sampled

-50 0 50

Scale 1:1000

METALS CREEK RESOURCES

THOMAS OGDEN ZONE

Section looking west

Corridor width of 6m

S

N

North

PAT-3679

PAT-3676

Section Corridor

TOG-21-66

TOG-21-69

TOG-21-67

TOG-21-68

-50 0

Scale 1:1000

NAD83 Zone17

Planview

500.00 Y

400.00 Y

300.00 Y

200.00 Y

100.00 Y

0.00 Y

-100.00 Y

-200.00 Y

471500.0 X

536250.0 Y

536260.0 Y

536270.0 Y

536280.0 Y

0.00 X

100.00 X

200.00 X

300.00 X

TOG-21-68

354.17 azimuth, -55.11 dip, 306m length

Geological Legend

VI1 - Andesite - Fragmentals and tuffs of andesitic composition

VM - Mafic Metavolcanics - high strain zone of chlorite schist

UM - Ultramafics - chlorite/talc/serpentine and carbonate altered

ST2 - Conglomerate - pebble conglomerate (mainly felsic pebbles, occasional jasperitic pebble

ST6 - Greywacke

ST7 - Interbedded Greywacke and Argillites

ST8 - Argillites - finely bedded silts to muds

ST10 - Graphitic Argillites

FP10 - Felsite Dike

F.DK - Felsic Dike

I.DK - Intermediate Dike

F.Z - Fault Zone

QV - Quartz Vein

NS - Not Sampled

-50 0 50

Scale 1:1000

METALS CREEK RESOURCES

THOMAS OGDEN ZONE

Section looking west

Corridor width of 10m

S

N

North

PAT-3679

PAT-3676

Section Corridor

TOG-21-66

TOG-21-68

TOG-21-67

TOG-21-69

TOG-21-68

-50 0

Scale 1:1000

NAD83 Zone17

Planview

PAT-3679

PAT-3676

TOG-21-66
345.47 azimuth, -52.77 dip, 285m length

Geological Legend

VI1 - Andesite - Fragmentals and tuffs of andesitic composition
VM - Mafic Metavolcanics - high strain zone of chlorite schist
UM - Ultramafics - chlorite/talc/serpentine and carbonate altered
ST2 - Conglomerate - pebble conglomerate (mainly felsic pebbles, occasional jasperitic pebble
ST6 - Greywacke
ST7 - Interbedded Greywacke and Argillites
ST8 - Argillites - finely bedded silts to muds
ST10 - Graphitic Argillites
FP10 - Felsite Dike
F.DK - Felsic Dike
I.DK - Intermediate Dike
F.Z - Fault Zone
QV - Quartz Vein

NS - Not Sampled

-50 0 50

Scale 1:1000

METALS CREEK RESOURCES

THOMAS OGDEN ZONE

Section looking west
Corridor width of 6m

S

N

North

PAT-29063

PAT-28700

OG22-046

-50 0

Scale 1:1000

NAD83 Zone17

Planview

SGH ANOMALY

PAT-29063

PAT-28700

OG21-046

359.9 azimuth, -50.03 dip,
213m length

OG22-046

Geological Legend

VI1 - Andesite - Fragmentals and tuffs of andesitic composition

VM - Mafic Metavolcanics - high strain zone of chlorite schist

UM - Ultramafics - chlorite/talc/serpentine and carbonate altered

ST2 - Conglomerate - pebble conglomerate (mainly felsic pebbles, occasional jasperitic pebble

ST6 - Greywacke

ST7 - Interbedded Greywacke and Argillites

ST8 - Argillites - finely bedded silts to muds

ST10 - Graphitic Argillites

FP10 - Felsite Dike

F.DK - Felsic Dike

I.DK - Intermediate Dike

F.Z - Fault Zone

QV - Quartz Vein

NS - Not Sampled

-50 0 50

Scale 1:1000

METALS CREEK RESOURCES

SGH TARGET

Section looking west

Corridor width of 15m

SE

NW

North

PAT-3427

LEA-108841

OG22-048

OG22-049

-50 0

Scale 1:1000

NAD83 Zone17

Planview

SGH ANOMALY

PAT-3427

LEA-108841

OG22-048

OG22-049

OG21-048

335.11 azimuth, -45.07 dip, 300m length

OG21-049

335.1 azimuth, -59.68 dip, 273m length

Geological Legend

VI1 - Andesite - Fragmentals and tuffs of andesitic composition

VM - Mafic Metavolcanics - high strain zone of chlorite schist

UM - Ultramafics - chlorite/talc/serpentine and carbonate altered

ST2 - Conglomerate - pebble conglomerate (mainly felsic pebbles, occasional jasperitic pebble

ST6 - Greywacke

ST7 - Interbedded Greywacke and Argillites

ST8 - Argillites - finely bedded silts to muds

ST10 - Graphitic Argillites

FP10 - Felsite Dike

F.DK - Felsic Dike

I.DK - Intermediate Dike

F.Z - Fault Zone

QV - Quartz Vein

NS - Not Sampled

-50 0 50

Scale 1:1000

METALS CREEK RESOURCES

SGH TARGET

Section looking northwest

Corridor width of 15m

SE

NW

North

LEA-108841

OG22-047A

-50 0
Scale 1:1000

NAD83 Zone17

Planview

SGH ANOMALY

LEA-108841

OG21-047A

OG21-047A
334.95 azimuth, -50.07 dip, 216m length

Geological Legend

VI1 - Andesite - Fragmentals and tuffs of andesitic composition
VM - Mafic Metavolcanics - high strain zone of chlorite schist
UM - Ultramafics - chlorite/talc/serpentine and carbonate altered
ST2 - Conglomerate - pebble conglomerate (mainly felsic pebbles, occasional jasperitic pebble
ST6 - Greywacke
ST7 - Interbedded Greywacke and Argillites
ST8 - Argillites - finely bedded silts to muds
ST10 - Graphitic Argillites
FP10 - Felsite Dike
F.DK - Felsic Dike
I.DK - Intermediate Dike
F.Z - Fault Zone
QV - Quartz Vein

NS - Not Sampled

-50 0 50
Scale 1:1000

METALS CREEK RESOURCES

SGH TARGET

Section looking northwest
Corridor width of 15m

APPENDIX II

DRILL LOGS

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	PP22			DOWNHOLE SURVEY METHOD: DeviCo Gyro	REMARKS: Obtained oriented core measurements between 230 and 390m.
HOLE NO.:	OG21-064	LENGTH (m):	390.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362592.000	EASTING:	471798.000	COLLAR SURVEY BY: DeviCo Rig Aligner	
SECTION:	TZ_1200W	ZONE:	Thomas Ogden	ELEVATION (m):	300.000	DRILLING COMPANY: DrillCo	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	3.0 / -56.0	SURVEYED:	3.000 / -56.023	DATE LOGGED: Oct. 15, 2021 TO Nov. 02, 2021	Core Storage: Polk Farm
HOLE STARTED:	September 26, 2021	HOLE FINISHED:	September 30, 2021	MAG:	10.75° w	LOGGED BY: S.Huebert,M.MacIsaac	Page 1 of 25

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n Index Carb	Alb	%Qtz	Ser	SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	24.00	**OVERBURDEN**																			

(m)	Azimuth	Dip	Date of Test	Time of Test	In/Out/Av
33	3.57	-54.17	Sept. 27, 2021	11:01 AM	Average
63	52.36	-53.41	Sept. 27, 2021	12:25 PM	Out - Bad test
75	0.58	-53.11	Sept. 27, 2021	1:35 PM	Average
105	359.74	-52.81	Sept. 27, 2021	3:45 PM	Average
135	359.19	-52.41	Sept. 27, 2021	8:34 PM	Average
165	358.91	-52.03	Sept. 27, 2021	12:41 AM	Average
195	358.03	-51.5	Sept. 27, 2021	3:45 PM	Average
225	358.08	-50.78	Sept. 28, 2021	11:51 AM	Average
255	358.19	-50.17	Sept. 28, 2021	8:43 PM	Average
285	357.64	-50.14	Sept. 28, 2021	2:46 AM	Average
318	357.34	-49.9	Sept. 29, 2021	3:25 PM	Average
354	357.65	-49.36	Sept. 29, 2021	11:16 PM	Average
384	no test obtained - continuous survey done when hole was at depth of 381m (another 9m drilled afterwards). Final EOH is 390m.				

QA/QC Samples

021 - BLANK
029 - STD - CDN-CM-2
039 - BLANK
049 - BLANK
059 - STD - Accurrassay HGS3
069 - BLANK
089 - STD - Accurrassay HGS1

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert,M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG21-064

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		091 - BLANK 096 - BLANK - follows sample containing VG 116 - BLANK 119 - STD - CDN - GS - 3H 136 - BLANK 146 - STD - Accurrassay HGS1 156 - BLANK																			
24.00	103.38	**FRAGMENTAL** This tuff is heterogeneous and quite variable from more mafic rich portions to more felsic patches appearing to form weak layers from mafic to felsic younging down hole (north). Unit is relatively competent with weak fracturing decreasing down section. Matrix is mafic to intermediate in composition with clasts being more felsic and range upto 20cm and highly irregular. General alignment of the fragments is at 50 degrees to ca. The volcanic host is a chloritic andesite. The clasts are dacitic to rhyolitic with a cream to soft beige colouration with speckled green chlorite within. The contacts are generally sharp and sub-angular with occasional rounded clasts ranging from <1cm to 2m in diameter. Fragments are sub-angular and range from Occasional qtz stringers at various orientations with minor epidote locally. Unit is relatively unaltered. Unit is relatively unmineralized and non-magnetic. Local 2-4m sections of massive tuffaceous units. Local chlorite along healed fractures, increasing down section. Hornblende clots over lower part of units ranging from 2-3mm, anhedral. 27.36-27.62 Intermediate dike @55 deg to c.a., brownish grey, 0.5% py, sharp contacts. 35.48-35.66 Intermediate dike, brownish grey, fgr, trace diss py. Contacts @ 57 deg to c.a.: white qtz veins at 80 degrees to ca.																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert,M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG21-064

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		86.93-87.17 Intermediate dike, 1% py-cubic, fgr																			
103.38	116.90	**MAFIC TUFF** Medium to dark green, fine grained with a gritty texture. Unit is relatively competent with minor fracturing. Weak foliation @50 deg to c.a. with hornblende clots (1-3mm) aligned parallel to foliation. Occasional white quartz veins (2-4mm) predominantly @ 45-50 deg. To c.a. Locally grades to dacitic in composition. Relatively unaltered and unmineralized and non-magnetic. Unit becomes progressively foliated and silicified down section starting @113m becoming lighter grey with local rounded tuffaceous fragments. Ribbon-like texture with sericite-chlorite bands. 109.3-109.6 Broken-blocky core with associated hematite along fracture plans.																			
116.90	159.00	**CHLORITE SCHIST** This is an extremely foliated unit that resembles the way an ultramafic gets foliated and ribboned by white qtz/felds/carb. The unit has undergone immense chlorite alteration with minor fuchsite that results in a very distinct green colouration. Parts of the unit are slightly darker with slight serpentine alteration and a typical peridotite specked appearance. The unit is intruded fairly heavily by white quartz/felds/carb stringers at random angles to ca as well as showing evidence of deformation through locally prominent S and Z folding. Quartz veins commonly contain trace to 0.5% finely disseminated pyrite and locally moderately saussertized and range from 4-15mm. Lower contact @ Approx 40 deg to c.a.																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert,M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG21-064

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Sericite-silicification alteration 142.1- to 143.4m. Alteration zone consisting of wispy sericite bands and strong silicification upto 1cm @42 deg to c.a. 168.82-171.03																			
159.00	179.20	**CARBONATE ALTERED UNTRAMAFICS** This unit is strongly fuchsite altered with weak to moderate chlorite and local gradational patches of brown/grey carbonate. Tremendous thin semi-transparent to white quartz stringers flood the unit sub-parallel to parallel to the foliation at 20-30 degrees to ca. The stringers are generally 0.5 to 2cm in width and consist minor white feldspar within the quartz increasing in concentration down section. The fuchsite and chlorite alteration make this unit a distinct green colour. Trace to minor pyrite sporadic. Gradational upper and lower contacts.																			
179.20	230.72	**ULTRAMAFICS** Well foliated at 40-60 degrees to ca. Immense white quartz/felds/calcite veining and stringers throughout averaging 65% overall. The unit is altered with serpentine increasing down section and moderate grey carbonate. Lower contact is gradational. Light to medium grey to bands. Strongly banded with alternating dark ultramafic bands with lighter quartz/felds/quartz bands ranging from 0.5 to 1.5cm. Relatively unmineralized. Occasional fuchsite on contact with felsic band. Unit becoming progressively softer over lower portion of the unit and becoming more serpentine rich. 213.5-215.0 Strong clay alteration, talc, broken blocky core, local narrow fault gouge seams @ approx 80 deg to c.a.	UM	-	-	4-5	-	001	224.46	225.46	1.00	-	-			0.002					
			UM	w	-	4-5	-	002	225.46	226.46	1.00	tr	-			0.002					
			UM	tr-w	-	3-4	-	003	226.46	227.12	0.66	-	-			0.002					
			UM	-	-	4-5	-	004	227.12	228.00	0.88	-	-			0.002					
			UM	-	-	3-4	-	005	228.00	228.72	0.72	-	-			0.002					
			UM	-	-	4-5	-	006	228.72	229.72	1.00	-	-			0.002					
			UM	-	-	7-10	-	007	229.72	230.72	1.00	-	-			0.031					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert,M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG21-064

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		225.52-225.75m: Pale mauve-hued greyish laminated felsic/sediment-like dyke. Sharp upper and lower contacts at 50 and 35 deg tca, respectively.tr vfg brassy pyrite wisps. Odd pale grey/translucent quartz ovoid bleb with tapered ends - stretched along fabric orientation at 45 deg tca. No significant veining. Non-magnetic. Pervasively moderately to strongly effervesces with HCl. Sharp lower contact at 80 deg tca.																			
230.72	239.62	**CONGLOMERATE** Medium to dark taupe-hued grey fine-grained matrix with ~30-40% cream-coloured to less commonly, greyish green, coloured clasts - all elongated parallel to fabric at 50-55 deg tca. Clasts appear generally siliceous - locally with fine- to medium-grained cream-coloured feldspar-phyric texture. Odd larger clast (>5 cm wide) features localized brecciation along their contacts with white carbonate infill. Clasts vary in width between 3mm and 14cm (est. average ~3 cm). Clasts show an estimated stretching ratio, length to width of about ~5:1. Host rock fabric angle appears to remain consistent between upper and lower contacts. Variably weakly to moderately siliceous. Locally, there are dark greenish black chlorite seams/threads that anastomose along clast contacts (oriented parallel to, or sub-parallel to fabric of host rock). Dark green chloritic seams appear to often be associated with trace pyrite. ~0.5% very fine to medium-grained disseminated subhedral to euhedral cubic yellow pyrite occurs as grains mostly constrained to within larger siliceous cream-coloured clasts, or less	CONGL	-	-	4-5	-	008	230.72	231.60	0.88	0.5-1	-			0.006					
			CONGL	-	-	0.5-1	-	009	231.60	232.60	1.00	0.5	-			0.035					
			CONGL	-	-	2-3	-	010	232.60	233.60	1.00	0.5	-			0.093					
			CONGL	-	-	0.5	-	011	233.60	234.60	1.00	tr	-			0.093					
			CONGL	-	-	1	-	012	234.60	235.25	0.65	tr	-			0.002					
			CONGL	-	-	0.5-1	-	013	235.25	236.14	0.89	tr	-			0.002					
			CONGL	-	-	1-2	-	014	236.14	237.00	0.86	tr	-			0.002					
			CONGL	-	-	0.5	-	015	237.00	237.62	0.62	tr	-			0.002					
			CONGL	-	-	0.5	-	016	237.62	238.62	1.00	0.5	-			0.002					
			CONGL	-	-	tr	-	017	238.62	239.62	1.00	0.5	-			0.002					

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		commonly, as discontinuous mm-wide stringers/wisps oriented at 60 deg tca, along 6mm wide dark green band of chlorite. ~3% white carbonate-quartz veinlets at varying orientations: and seem to mostly crosscut host rock fabric. Veinlets are ~2mm to 3.3 cm wide (average ~1 cm wide). Local stringers host trace fine-grained deep rusty reddish hematite with possible dark greyish sphalerite (dull metallic lustre)(observed in 1mm wide white to pale grey qtz-carb stringer, oriented at 20 deg tca, at ~231.67m - crosscuts below mentioned veinlet hosting Po) and trace fine-grained amorphous bleb of brassy pyrrhotite (observed within white qtz-carb 5mm-wide veinlet oriented at 40 deg tca, dipping uphole, at ~231.70m). Sharp lower contact at 25 deg tca.																			
239.62	244.04	**ALTERED CONGLOMERATE** No VG observed. Resembles above unit except features pervasive moderate pale yellowish beige albitization-sericitization, and silicification, with minor local Fe carb. Rare wisp of bright green fuchsite in association with intervals of slightly stronger sericite alteration. Hard when scratched with scribe. Dark mauve-ish grey bands are slightly softer and occur in wider intervals towards lower contact. Locally weakly effervesces with HCl - may be subdued due to silicification overprint. ~1-2% white wispy/blebby quartz-carbonate veinlets, both crosscutting and parallel to fabric at 70-80 deg tca, also present less commonly, are low-angle, or ~1-2 cm wide white quartz-carbonate sigmoidal veinlets that feature wrinkles/weak crenulations and crosscut fabric of host rock. It does not appear	ALTD CON	tr-w	w-m	1-2	w	018	239.62	240.70	1.08	0.5	-			0.054						
			ALTD CON	tr	m-s	1-2	tr-w	019	240.70	241.70	1.00	tr-0.5	-			0.008						
			ALTD CON	w	m-s	1-2	-	020	241.70	242.64	0.94	tr	-			0.086						
			BLANK					021	242.64	242.64	0.00					0.086						
			ALTD CON	tr-w	m-s	0.5	tr	022	242.64	243.52	0.88	0.5	-			0.007						
			ALTD CON	w	m-s	0.5	w	023	243.52	244.04	0.52	0.5-1	-			0.015						

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		that one orientation is preferentially associated with sulfides. Sulfides generally occur as disseminations or as discontinuous wisps intimately associated with bright green fuchsite mm-wide wisps (oriented parallel to foliation). Local healed fractures oriented at 15 deg tca result in offset of steeply dipping extensional white quartz-carbonate stringers oriented at 70-75 deg tca. Local healed faults/slips (no gouge, but displace surrounding veinlets/fabric by up to 6mm - dextral offset). Overall, trace to locally up to 1% fine-grained subhedral to euhedral cubic pyrite disseminations and rare mm-wide stringers/discontinuous wisps oriented at 80 deg tca. Fabric orientation and intensity is consistent with above unit (60-70 deg tca). Fabric becomes less discernable as alteration intensity increases and obliterates the former. Sharp lower contact at 40 deg tca (defined by strong alteration).																			
244.04	279.77	**FELSITE** Pale mauve-ish grey-beige in colour. Very strongly and pervasively silicified (hard to write on with china marker and very hard when scratched with scribe). Alteration intensity seems to obliterate the fabric. Where discernable, fabric is oriented at 70 deg tca. Local intervals appear more pale yellow in colour due to increase in albitization/sericitization along with weak fuchsite (manifest as bright green wisps, often associated with fine-grained cubic subhedral to euhedral brassy pyrite) (245.3-245.85m). Local weak brecciation textures associated with weak Fe carb alteration (medium caramel brown in colour).	FEL	w	m	0.5	-	024	244.04	244.28	0.24	tr	-				0.074				
			FEL	w	s	3	-	025	244.28	244.68	0.40	tr	-				0.409				
			FEL	w	s	1	tr	026	244.68	245.53	0.85	0.5	-				0.417				
			FEL	w	m	2-3	w	027	245.53	245.85	0.32	0.5	-				1.380				
			FEL	w-m	m-s	5	tr	028	245.85	246.85	1.00	0.5	-				0.014				
			STD					029	246.85	246.85	0.00						1.350				
			FEL	m	m	0.5	tr	030	246.85	247.85	1.00	tr	-				0.057				
			FEL	w-m	m	0.5	w	031	247.85	248.85	1.00	0.5	-				0.064				
			FEL	w	m	5-8	tr	032	248.85	249.85	1.00	1-2	-				0.039				
			FEL	w	m	2-3	-	033	249.85	250.57	0.72	1	-				0.022				
			FEL	m	w	4-5	-	034	250.57	251.52	0.95	1-2	-				0.236				
			FEL	-	s	0.5	s	035	251.52	252.19	0.67	tr	-				0.347				

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert,M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG21-064

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Pervasive moderate to strong albitization, weak to moderate intermittent sericitization, and patchy weak Fe carb alteration. Locally strong sericitization-mod silicification at 251.57-252.18m.	FEL	m	w-m	2-3	-	036	252.19	253.24	1.05	0.5	-			0.059					
			FEL	m	m	0.5	m	037	253.24	254.12	0.88	0.5	-			0.034					
			FEL	m-s	w-m	2-3	w	038	254.12	255.00	0.88	0.5	-			0.023					
			BLANK					039	255.00	255.00	0.00					0.002					
		252.18-265.70 unit takes on pervasive light-medium brownish orange (caramel-like) colour due to Fe carbonate alteration - strongly silicified and hard when scratched with scribe. Intermittent narrow zones of blebby mauve-hued grey silica flooding. Local bright green fuchsite wisps often occur with very fine- to fine-grained brassy yellow cubic pyrite disseminations (i.e., 264.62m). White quartz-carbonate veinlets/blebs account for ~3-5% of this interval, and are <1 cm wide and vary in orientation between and 35 deg tca (locally crosscut and offset by healed fracture oriented at offset by 2mm - sinistral). Odd white carbonate-quartz bleb appears as sigmoidal en echelon tension gashes. Most veinlets/blebs do not host significant sulfide content - sulfides mostly constrained to altered host rock matrix. Fabric orientation generally consistent at 55-60 deg tca (although locally not well preserved due to alteration intensity). Starts to flatten to 35-40 deg tca, downhole of ~261-262m, before steepening back to 50-60 deg tca. Tr fg cpy within white qtz-carb veinlet at 257.89, oriented at 30 deg tca (2mm wide vein).	FEL	m-s	w	2-3	tr	040	255.00	255.80	0.80	0.5	-			0.019					
			FEL	m-s	w-m	1-2	tr	041	255.80	256.78	0.98	0.5	-			0.029					
			FEL	m-s	w-m	15-25	tr-w	042	256.78	257.06	0.28	0.5	-			0.026					
			FEL	m-s	w-m	5	tr-w	043	257.06	258.00	0.94	2-3	-			0.080					
			FEL	m-s	w-m	3-5	tr-w	044	258.00	259.00	1.00	2-3	-			0.054					
			FEL	m-s	w-m	3-5	tr-w	045	259.00	260.00	1.00	1-2	-			0.024					
			FEL	m-s	w-m	3-5	tr-w	046	260.00	261.00	1.00	1-2	-			0.049					
			FEL	m-s	w-m	3-5	tr-w	047	261.00	262.00	1.00	4-5	-			0.042					
			FEL	m-s	w-m	3-5	tr-w	048	262.00	263.00	1.00	2-3	-			0.035					
			BLANK					049	263.00	263.00	0.00					0.002					
			FEL	m-s	w-m	3-5	tr-w	050	263.00	264.00	1.00	2-3	-			0.041					
			FEL	m-s	w-m	3-5	tr-w	051	264.00	264.57	0.57	2-3	-			0.026					
			FEL	m-s	w-m	3-5	tr-w	052	264.57	265.05	0.48	2-3	-			0.162					
			FEL	w	m-s	1	tr	053	265.05	265.73	0.68	0.5-1	-			0.085					
			FEL	tr-w	m-s	tr	w	054	265.73	266.71	0.98	tr-0.5	tr			0.425					
			FEL	w	m-s	2-3	tr	055	266.71	267.60	0.89	0.5	tr			0.913					
			FEL	w	m-s	2-3	tr	056	267.60	268.05	0.45	0.5-1	-			0.223					
			FEL	w	m-s	4-5	w	057	268.05	269.51	1.46	0.5-1	-			0.774					
			FEL	w	m-s	2-3	tr-w	058	269.51	270.26	0.75	0.5	-			0.572					
			STD					059	270.26	270.26	0.00					4.720					
			FEL	w	m-s	3-4	tr-w	060	270.26	271.26	1.00	0.5-1	-			0.989					
		Overall unit: ~1-2% white <1 cm wide, white quartz-carbonate veinlets, mainly crosscutting fabric, where present, at 40 and 70 deg tca. Locally, some white quartz-carbonate veinlets appear sigmoidal and weakly crenulated, oriented ~parallel to long axis of core. ~0.5-1% very fine to fine-grained disseminated cubic brassy pyrite mostly occurs as pervasive scattered grains - mostly tangential to dark chlorite wisps or within patches of silicification within the matrix.	FEL	w	m-s	1-2	tr-w	061	271.26	272.00	0.74	1-2	-			2.600					
			FEL	w	m-s	3-4	-	062	272.00	273.00	1.00	3-4	-			2.640					
			FEL	w	m-s	4-5	w-m	063	273.00	273.49	0.49	4-5	-			9.830					
			FEL	w	m-s	5-10	-	064	273.49	274.19	0.70	2-3	-			0.386					
			FEL	w	m-s	35-40	tr-w	065	274.19	275.03	0.84	3-4	-			0.351					
			FEL	w	m-s	40-50	w-m	066	275.03	276.00	0.97	1-2	-			0.114					
			FEL	w	m-s	40-50	tr	067	276.00	276.85	0.85	4-5	-			0.513					
			FEL	w	m-s	50-60	-	068	276.85	277.72	0.87	2-3	-			0.025					
			BLANK					069	277.72	277.72	0.00					0.002					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert,M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG21-064

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		At ~246.04, ~mm-wide white carbonate infills sigmoidal tension gashes, indicating possible sinistral movement (relative to the BOC line, with the downhole direction facing towards the right). 265.07-266.0 & 266.15-266.27, & 266.40-266.45m: locally strong bright green fuchsite alteration. 266.45-274.19m: Pale mauve-hued grey siliceous interval - substantially less Fe carb alteration compared to earlier in unit. 274.19-279.77m: altered white to light grey quartz-carbonate shear vein	FEL	w	m-s	55-65	tr	070	277.72	278.65	0.93	2-3	-			0.053					
			FEL	w	m-s	40-50	tr-w	071	278.65	279.77	1.12	7-10	-			0.129					
279.77	304.36	**SHEARED MINERALIZED CONGLOMERATE?_____** VG @ 297.69-297.715m within smokey qtz veinlet. Dark green mafic conglomerate - starting downhole of 280.52-~282m, the unit features ~20-30% strongly pyritized quartz veins (up to ~40-50% fine- to medium-grained cubic pyrite disseminations constrained within white quartz-carbonate veinlets, parallel to foliation at ~10-20 deg tca. Pervasively moderate to strong chloritization (very soft when scratched with scribe). Veins vary in width between 3mm and 38 cm. Pyrite generally "floats" within quartz vein and shows no preference for concentration along contacts/centre of vein, etc. - relatively uniform distribution through veins. No VG or other sulfides observed. Local narrower ~1-3 cm wide ptygmatic quartz veinlets crosscut fabric (refer to photo). Local bright green (trace) fuchsite occurs within wider veins. Non-magnetic.	SHR MIN CO	-	-	1-2	-	072	279.77	280.52	0.75	1-2	-			0.066					
			SHR MIN CO	-	-	3-4	-	073	280.52	281.32	0.80	7-10	-			0.060					
			SHR MIN CO	-	-	10-15	-	074	281.32	282.28	0.96	10-15	-			0.277					
			SHR MIN CO	tr	m	3-5	-	075	282.28	283.00	0.72	1	-			0.056					
			SHR MIN CO	w	m	5	-	076	283.00	284.00	1.00	0.5-1	-			0.083					
			SHR MIN CO	w	w-m	3-5	tr	077	284.00	285.00	1.00	0.5	-			0.029					
			SHR MIN CO	-	w	0.5-1	-	078	285.00	286.00	1.00	tr-0.5	-			0.009					
			SHR MIN CO	-	-	2-3	-	079	286.00	287.00	1.00	tr	-			0.009					
			SHR MIN CO	-	-	4-5	-	080	287.00	288.00	1.00	tr	-			0.012					
			SHR MIN CO	-	-	4-5	-	081	288.00	289.00	1.00	-	-			0.008					
			SHR MIN CO	tr-w	-	4-5	-	082	289.00	290.00	1.00	0.5-1	-			0.068					
			SHR MIN CO	-	-	2-3	-	083	290.00	291.00	1.00	tr	-			0.006					
			SHR MIN CO	-	-	3-4	-	084	291.00	291.76	0.76	tr	-			0.024					
			SHR MIN CO	w-m	w-m	30-40	tr-w	085	291.76	292.53	0.77	2-3	-			0.245					
			SHR MIN CO	w	w-m	40-50	w-m	086	292.53	292.77	0.24	3-4	-			0.091					
			SHR MIN CO	m	w-m	50-60	tr-w	087	292.77	293.55	0.78	3-4	-			0.483					
			SHR MIN CO	m	w-m	50-60	tr-w	088	293.55	294.24	0.69	0.5-1	tr			0.358					
			STD					089	294.24	294.24	0.00					2.920					
			SHR MIN CO	-	-	4-5	-	090	294.24	295.00	0.76	0.5-1	tr			0.082					
			BLANK					091	295.00	295.00	0.00					0.002					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert,M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG21-064

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
			SHR MIN CO	-	-	5-8	-	092	295.00	295.80	0.80	0.5	-			0.007					
			SHR MIN CO	-	-	4-7	-	093	295.80	296.60	0.80	tr-0.5	-			0.005					
			SHR MIN CO	-	-	1-2	-	094	296.60	297.61	1.01	0.5-1	-			0.102					
			SHR MIN CO	w	m-s	20-30	w	095	297.61	298.11	0.50	1-2	- VG			0.667					
			BLANK					096	298.11	298.11	0.00					0.008					
			SHR MIN CO	w	m-s	15-25	w	097	298.11	299.11	1.00	1-2	-			0.456					

~282.28-~285m: variably bleached conglomerate yields pale yellow colour due to patchy moderate albitization-silicification and tr-weak carbonate alteration. Fabric is nearly parallel tca and downhole of ~285m, there are intermittent larger dark green clots/patches of chlorite. ~tr to 1% very fine to fine-grained cubic silver-y to pale yellow pyrite disseminations occur through altered matrix. Hard when scratched with scibe. No consistent or strong effervescence with HCl. ~2-5% white qtz-carb stringers and veins locally have obscured continuity due to alteration and are generally <1 cm wide at ~30-50 deg tca. Local stylolites/narrow stringers of bright green fuchsite.

~285-291.755m: Medium avocado green conglomerate ribboned with pale grey carbonate veining is moderately foliated to weakly sheared (veining semi-conformable to fabric orientation). ~4-10% pale grey carbonate +/- qtz veining throughout interval. Fabric is variable between ~3 to 25 deg tca. Local crenulations along local narrow shear veinlets (i.e., at ~289.29m). Trace to no significant pyrite within interval. Cream-coloured clasts? Appear variably stretched parallel along fabric (~1cm wide to ~6cm long). Downhole of ~289.56m, fabric is near parallel to long axis of core and strain of clasts increases to a ratio as much as ~1:10. Downhole of 291.37m, the fabric steepens to ~20-25 deg tca. Local z- and s-folds defined by pale grey carbonate veining near 291.1m. Soft when scratched with scribe.

291.755-294.24m: Moderately to strongly altered breccia vein featuring pervasive buff-pale caramel coloured Fe carb-altered breccia fragments (~30%). Vein occurs as low-angle vein with an undulatory/sigmoidal contact with the conglomerate. Upper contact occurs at 20 deg tca (and is flanked by a ~cm wide veinlet of bright green fuchsite with pervasive fine-grained

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		disseminated brassy cubic pyrite). Breccia vein features very fine to fine-grained disseminated cubic brassy pyrite and less commonly, as discontinuous mm-wide pyrite wisps. Local bright yellow sericite and bright green fuchsite stylolites/wisps occur at 35 and 50 deg tca locally. Fuchsite is almost always associated with lustrous cubic pyrite disseminations. The vein is crosscut by intermittent white to pale cream qtz-carb extensional stringers that are 2mm (most commonly) to as wide as 1.3 cm, and range in orientation between 50 and 60 deg tca, most commonly, Hard when scratched. Only carb stringers effervesce with HCl. Local healed fractures commonly oriented at 15 and 70 deg tca (i.e., 293.81m & 293.86m). The carb stringers crosscut the fuchsite wisps and the healed fractures appear to crosscut the carb stringers. Breccia fragments are strongly altered and have diffusive contacts - not clearly angular/rounded. 294.24-297.6m: appears similar to ~285-291.755m, except subjected to higher strain as observed by thinner and longer cream-coloured clasts (~1:20). Local flat-lying fabric is weakly to moderately crenulated. Local fold noses at 294.6-~295m. Cream to pale grey quartz-carb veining occurs semi-conformably with fabric orientation. Odd dark smokey quartz lense/pod near BOC line. Soft when scratched with scribe. Weakly undulating fabric sub-parallel tca at ~3-10 deg tca. 297.6-~298.11m: Pale yellow moderately to strongly altered shear zone with narrow white and smokey grey quartz-carbonate veinlets. VG at 297.69-297.715m. VG occurs as several specks concentrated together along BOC line, centrally within vein. No sulfides observed within that veinlet. Veinlet is smokey grey qtz-carb and oriented at 50 deg tca, dipping downhole. Veinlet is crosscut by mm-wide white carb sigmoidal stringer at 40 deg tca, dipping up-hole. VG veinlet crosscuts																			

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		host rock fabric. Stringers/threads of bright yellow sericite and more intense bright green fuchsite propagate orthogonally from the long axis of the VG vein. Overall sub-unit bears ~1-3% very fine- to fine-grained pyrite generally throughout the altered matrix or concentrated within micaceous strands of sericite and fuchsite. Irregular, diffusive lower contact. Odd extensional white qtz-carb stringer is <1 cm wide and oriented at ~30 deg tca (local stringer has small clots of dark green chlorite within it). Veinlets/stringers appear to get more shallow downhole. 298.9-300.6m: white ~1 cm wide quartz-carbonate veinlets occur at shallow angles and are associated with localized pale yellowish buff alteration haloes (veinlets occur at 30-35 deg tca, dipping uphole). Local weak fuchsite within rare veinlet. Local fine-grained disseminated cubic pyrite within some veinlets. Foliation flattens downhole so alpha angle is ~3-7 deg tca. Local weak pale yellow sericite proximal to veinlets. Host rock matrix is fine-grained greyish taupe in colour. Locally are tapered cream-coloured clasts? (stretch ratio of ~1mm wide per ~2.2 cm long). ~300.6-302.09m: Near lower contact of sub-interval, increase in disrupted veining, lacking distinct contacts/orientations (~15-25% qtz veining). White to clear/translucent/light grey qtz-carbonate veining is commonly associated with localized pale beige-yellow albitization-carbonate alteration, and within the veining, dark green selvages of chlorite (oriented at ~2-5 deg tca, sub-parallel to fabric of host rock). Fine-grained pyrite generally associated with chlorite. 302.09-302.79m: foliated mafic conglomerate with ~20-30% dark green chloritic clasts with tapered ends and stretched preferentially along foliation at 20-30 deg tca. (3mm wide by 2.5 cm long for ~avg stretching ratio). Trace fine-grained																				

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		disseminated pyrite. 302.66-304.36m: Shear zone - bright fuchsite (mod-strong) near upper contact (until ~303.03m). There are three smokey quartz-carbonate stringers crosscut fabric within undulatory fabric (in fuchsite-rich zone) and are consistently oriented at 40-50 deg tca, dipping downhole. They range in width between 3mm and 1 cm (a fourth stringer is discontinuous and <1mm wide). They closely resemble the vein composition and style of the veinlet that hosted the VG - but these veinlets lack any sulfides and do not contain VG. ~303.03-304.36 more closely resembles 302.09-304.36m, but more intensely strained and occurs at a flatter core angle of 10-20 deg tca (stretching ratio: 4.1 cm long x 3mm wide). Also, shows wider pale beige carbonate alteration haloes continuously along the dark green chlorite clasts. Intermittent wisps of fuchsite also present (parallel to fabric). Conglomerate is crosscut by ~0.5-1 cm wide light grey to white qtz-carb extensional veinlets oriented at 75-80 deg tca (dipping uphole). Gradational lower contact																			
304.36	312.83	**ALTERED CONGLOMERATE TRANSITION ZONE?** 304.36-~311.09m: resembles ~298.9-~300.6. Interval characterized by fine-grained greyish taupe matrix. Poorly defined fabric, but it appears to be fairly flat-lying at 15-20 deg tca, near upper contact, and then subtly flattens to ~3-7 deg tca, near lower contact. ~4-7% wispy white quartz-carbonate extensional veinlets/discontinuous wisps occur at various orientations (undulating ~5 deg tca (local pale buff-coloured alteration haloes generally carries trace fg pyrite); 30-40 deg (tend to carry fg pyrite and locally truncates 50-60 deg veins);	ALT CON	w	w	5-8	-	098	299.11	299.82	0.71	0.5-1	-			0.086						
			ALT CON	tr	w-m	7-10	-	099	299.82	300.61	0.79	0.5	tr			1.350						
			ALT CON	tr-w	w-m	20-25	tr	100	300.61	301.62	1.01	2-3	-			0.163						
			ALT CON	tr	w	20-30	-	101	301.62	302.09	0.47	1-2	-			2.100						
			ALT CON	-	-	1-2	-	102	302.09	302.66	0.57	tr-0.5	-			0.045						
			ALT CON	-	-	5-8	-	103	302.66	303.10	0.44	tr-0.5	-			0.039						
			ALT CON	tr	-	5-8	-	104	303.10	303.48	0.38	tr-0.5	-			0.032						
			ALT CON	w-m	tr	5-8	tr	105	303.48	304.36	0.88	1-3	-			0.210						
			ALT CON	w	w-m	0.5-1	tr-w	106	304.36	304.75	0.39	0.5-1	-			0.039						
			ALT CON	tr	tr	1	tr	107	304.75	305.50	0.75	tr	-			0.053						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		50-60 deg (latter appear to be among most common, crosscut foliation and rare ~5 deg tca stringers, locally crosscut by ~30 deg tca vfg pyrite stringer; generally barren, but when present, carry trace fg pyrite). Local vfg silver-coloured acicular and stubby arsenopyrite grains locally observed within more strongly albitized and silicified host rock (pale yellow-beige colour), proximal to quartz-carbonate veining.	ALT CON	tr	tr	0.5	tr	108	305.50	306.20	0.70	tr	-			0.008						
			ALT CON	tr	-	7-10	-	109	306.20	307.00	0.80	2-3	-			0.318						
			ALT CON	tr	w	10-12	tr	110	307.00	307.74	0.74	2-3	tr			1.120						
			ALT CON	tr-w	m	3-4	-	111	307.74	308.46	0.72	1-3	0.5-1			2.070						
			ALT CON	tr-w	tr-w	4-5	-	112	308.46	309.20	0.74	tr	-			0.036						
			ALT CON	tr	tr	2-3	-	113	309.20	309.80	0.60	tr	-			0.034						
			ALT CON	w	w-m	10-15	-	114	309.80	310.58	0.78	1-2	-			0.384						
			ALT CON	tr	tr	4-5	-	115	310.58	311.09	0.51	0.5-1	-			0.109						
			BLANK					116	311.09	311.09	0.00					0.002						
		~311.09-312.23m: altered quartz-carbonate veining flattens to 15-20 deg tca and occur with more laterally extensive and more intensive alteration haloes (pale buff-beige in colour - mod-strong albitization/silcification). Moderately hard when scratched with scribe. Little to no effervescence with HCl. Local patches/seams of dark green chlorite occur with localized increase in fine- to medium-grained yellow cubic pyrite disseminations. Chlorite bands occur at 20-25 deg tca, dipping uphole (i.e., at 311.69m). By lower contact, fabric has steepened to 30-35 deg tca, dipping uphole. Matrix is fine-grained greyish taupe, but no obvious clasts are discernable. Soft to moderately soft when scratched with scribe.	ALT CON	w	m-s	4-5	-	117	311.09	311.60	0.51	0.5-1	0.5-1			0.423						
			ALT CON	w	-	5-8	-	118	311.60	312.23	0.63	1	-			0.108						
			STD					119	312.23	312.23	0.00					3.130						
			ALT CON	w-m	m-s	30-40	-	120	312.23	312.83	0.60	1-2	-			0.358						
		312.23-312.835m: altered shear vein. Upper and lower contacts are sharp/planar at 35 and 20 deg tca, respectively. Interval has orange-hued beige-buff colour due to mod-strong albitization/possible sericite alteration. Hard when scratched with scribe. Does not effervesce with HCl. Trace wisps of bright green fuchsite. Local micaceous strands preserve fabric of host rock at 40-45 deg tca. Very fine- to fine-grained yellow cubic pyrite disseminations seem to occur in greater concentrations within dark grey smokey (vague blue-ish purple undertones) quartz-carbonate veining/silica flooding. White qtz-carb extensional stringers, oriented at 50-60 deg tca, dipping uphole, appear to be most common veinlet orientation. Local healed fractures, oriented at 50 deg tca, dipping downhole, sometimes																				

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		crosscut and displace the 50-60 deg stringers by 3mm (FW part of stringer shifted right, while HW part of stringer shifts left). Local discontinuous pyrite stringers oriented at 35 deg tca. 30-40 deg tca mm-wide white carb extensional wispy stringers, dipping downhole, seem to be the youngest generation of stringers, based on crosscutting relationships.																			
312.83	325.36	**SHEARED MAFIC CONGLOMERATE** Closely resembles 302.79-303.38m, but lacks the smokey quartz-carbonate veins (possibly part of VG-bearing vein family?). Bright green to medium avocado green mafic conglomerate. ~30% dark green mafic chloritic clasts show stretching ratio of 0.5 cm wide by 3 cm long. Local smokey grey qtz-carb pods/lensoids, often host very fine-grained cubic pyrite disseminations (quartz lacks blue-ish undertones). Non-magnetic. Soft when scratched with scribe. Fuchsite content gradually dissipates downhole of ~313.64m. Trace very fine to fine-grained disseminated yellow cubic pyrite. Fabric is oriented at 15-20 deg tca, dipping uphole. 317.46-321.86m: strongly altered shear zone with veining. Undulating sharp upper contact (irregular) oriented at ~10-15 deg tca, dipping uphole. Lower contact is gradational and demarcated by subtle decrease in fabric and alteration intensities (fabric near lower end of interval (~321.86m) is 20 deg tca. Interval is pervasively pale yellowish beige in colour due to mod-strong albitization-silicification with weaker sericitization and trace intermittent bright green fuchsite wisps (~parallel to fabric	SHD CON	w	-	tr	-	121	312.83	313.64	0.81	tr	-	0.012							
			SHD CONG	w	-	0.5	-	122	313.64	314.70	1.06	0.5	-	0.002							
			SHD CONG	w	-	0.5-1	-	123	314.70	315.70	1.00	tr-0.5	-	0.002							
			SHD CONG	w	-	0.5	-	124	315.70	316.30	0.60	tr	-	0.002							
			SHD CON	w	-	0.5	-	125	316.30	317.12	0.82	tr	-	0.018							
			SHD CON	w	w-m	25-35	-	126	317.12	317.46	0.34	tr	-	0.102							
			SHD CON	w	s	15-20	m-s	127	317.46	318.32	0.86	1-2	-	0.834							
			SHD CON	w	m-s	20-25	w-m	128	318.32	319.29	0.97	0.5-1	-	0.522							
			SHD CON	w	w-m	35-40	w	129	319.29	320.09	0.80	1-2	tr	0.692							
			SHD CON	tr	tr	5-10	-	130	320.09	320.48	0.39	tr	-	0.112							
			SHD CON	w	w	20-25	tr-w	131	320.48	321.38	0.90	tr-0.5	-	0.221							
			SHD CON	w	w-m	0.5-1	tr-w	132	321.38	321.86	0.48	tr	-	0.021							
			SHD CON	-	-	0.5-1	-	133	321.86	322.75	0.89	tr-0.5	-	0.002							
			SHD CON	-	-	0.5-1	-	134	322.75	323.63	0.88	tr	-	0.014							
			SHD CON	-	-	2-3	-	135	323.63	324.30	0.67	tr	-	0.002							
			BLANK					136	324.30	324.30	0.00			0.006							
			SHD CON	-	-	2-3	-	137	324.30	325.36	1.06	tr-0.5	-	0.013							

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

at 50 deg tca). Less commonly, are fuchsite stringers/narrow <1 cm wide bands oriented at 45 and 60 deg tca, near upper contact. Moderately hard when scratched with scribe. Local orange-y brown patchy alteration around ~318.5 is weak Fe carb.

~10-25% blebby, wispy and narrow white quartz-carbonate veining between 317.46 and 319.29m. Rare veinlet appears ptygmatic (i.e., at 317.9m). All veining is generally white to light grey/translucent quartz-carbonate and varies in width between 1mm and 1 cm (average ~5mm). Veining occurs at various orientations. In more strongly silicified sections (i.e., near upper contact: 317.46-317.8m, and ~318.32-~319m), there are ubiquitous mm-wide healed fractures oriented at 10-20, 35, 45-50, 60 deg tca, all orientations dipping mostly down-hole. No sulfides observed directly along healed fractures, but local 60 deg healed fracture is proximal to tr fg yellow pyrite disseminations by within a couple of mm's. ~0.5-2% very fine to fine-grained disseminated cubic pyrite is observed mostly as scattered grains through more strongly altered host rock and tangential to bright green fuchsite wisps/stringers. Less commonly, are mm-wide gently undulating pyrite stringers sub-parallel to long axis of core (extend up to about ~3 cm in length, usually "floating" within quartz vein, but near sericite/chlorite wisps.

Wider extensional quartz-carb stringers (wider ones at ~4mm) occasionally feature regular medium-grained clots of dark green chlorite (with trace fine-grained cubic pyrite disseminations). Veinlets vary in orientation between 20-25 deg tca, generally dipping downhole. They are locally crosscut by fuchsite stringers/bands at 50 deg tca, dipping uphole. By ~318m, the shear fabric is oriented at 35 deg tca, dipping uphole. Late narrow wispy white-pale cream coloured carb extensional

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		stringers crosscut shear fabric at 50 deg tca, dipping uphole. Between ~318.6 and 319.0m, wispy white extensional carb stringers (mm-wide) are oriented at 15-25 deg tca, dipping downhole, locally crosscutting slightly wider white quartz-carbonate veinlets (3mm to 1.5 cm) (these latter veins are oriented at 30, 45, and 60 deg tca). Local wider veinlet at 60 deg tca, dipping uphole (2mm wide) crosscuts and displaces narrow wispy stringer, dipping downhole, by 1 mm (FW up/to the right by 1mm, HW down to the left by 1mm). ~30-40% blebby, disrupted mostly white quartz-carbonate veining at 319.305-320.09m (appears to be a low-angle qtz-carb vein with a couple of different subsequent generations of crosscutting white to light grey qtz-carb veinlets. Host rock fragments are variably altered in terms of composition and relative intensity. It appears most common vein is white quartz-carbonate with slight wobbles along their limbs and vary in width between 3 and 5 mm, generally dipping uphole at 25-30 deg tca. They usually carry intermittent medium-grained clots of dark green chlorite throughout (usually centrally within vein). Alteration appears similar to at 317.46-319.305m, except stronger and more laterally extensive Fe carb (brownish orange) and less sericitization. Intermittent bright green fuchsite wisps gently undulate throughout interval, and are well-mineralized with very fine to fine-grained cubic pyrite disseminations. Wisps up to ~4 cm long and generally sub-parallel to long axis of core. Less frequently, are <0.5 cm wide white qtz-carb veinlets oriented at 70 deg, dipping uphole, which are crosscut by the aforementioned main veinlet at 25-30 deg tca. Throughout 317.46 to 320.09m, veinlets generally barren. No one orientation seemed to be associated with mineralization as pyrite generally within altered host rock, or tangential to																			

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

veinlets/intersections of crosscutting veinlets.

Locally at 320.03m, a white qtz-carb veinlet oriented at 25 deg tca, dipping uphole, 5mm to 1 cm wide, features a concentration of dark green chlorite within its updip apex. The chlorite appears to be interstitially associated with fine-grained yellow cubic pyrite and locally silver-y coloured fine-grained acicular to prismatic arsenopyrite grains. This veinlet locally crosscuts a near vertical narrow white to light grey carb-qtz tension veinlet (<5mm). Also crosscuts a 1mm wide wispy white carb stringer oriented at 60 deg tca, dipping downhole.

320.09-320.48m: fine-grained grey matrix with ~5-10% white ptygmatic and shear quartz-carbonate veining crosscutting fabric at 40 deg tca, dipping uphole (mostly alongside core facing into box). Local clots of dark green chlorite. Tr fg yellow cubic pyrite disseminations. Fabric @ 30 deg tca, dipping uphole.

320.48-321.38m: similar to 319.25-320.09m, but stronger sericitization and less Fe carb. Can discern what appears to be stretched out cream-coloured felsic clasts (tapered ends - stretch ratio of ~6.5 cm long by 4mm wide). Overall, trace very fine to fine-grained pyrite content. Mostly concentrated along upper contact with pale yellow albitization/sericitization (contact at 35 deg tca). Fabric through interval is fairly flat-lying at 10 to 5 deg tca, dipping downhole. Towards lower contact, fabric gradually steepens to 25 deg tca. Blebby/pinch and swell white quartz-carbonate veining/discontinuous blebs/lenses generally semi-conformable to fabric orientation. Trace bright green fuchsite wisps. Odd veinlet carries seams/wisps of dark green chlorite with trace fine-grained pyrite.

321.86-325.36m: sheared/strongly foliated mafic conglomerate.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert,M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG21-064

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		unit grades back into mafic conglomerate lacking any significant veining/alteration. Fabric intensity reduces downhole from 15 deg tca (~321.86m) to 25 deg tca (consistent from ~322.75 to lower contact).~30-40% dark green chloritic mafic clasts are stretched parallel to fabric and show a stretch ratio of 5.2cm long to 6mm wide. (2.5cm by 2mm, for comparison at 321.38m). Trace sulfides overall - usually observed as very fine-grained pyrite disseminations within grey qtz-carb veinlets oriented parallel to fabric. Soft when scratched with scribe. Non-magnetic. Sharp lower contact at 35 deg tca.																			
325.36	334.13	**GREYWACKE** Homogeneous, almost massive, fine-grained greenish grey sediment unit with ~3-5% white wispy quartz-carbonate extensional stringers and veinlets. Very weakly defined fabric - locally discernable at 25 deg tca near 326.3m. Local weak sericite wisps near 325.8m in association with narrow unmineralized translucent qtz-carb veinlet at 325.76-325.89m (upper and lower contacts at 25 and 30 deg tca, respectively). Unit lacks any significant mineralization or alteration. Where present, fine-grained cubic pyrite disseminations occur as scattered grains throughout the matrix. Trace medium grained pyrite observed with a veinlet near 330.9m. Stringer oriented at 30 deg tca, oriented uphole. The quartz-carbonate veining appears generally barren and commonly features local clots of dark green chlorite. Veinlets vary in width between 0.5 cm to 2 cm and are commonly oriented at 25 deg tca dipping downhole (white wispy mm-wide carb stringers) which crosscut 2-5mm wide white carb-qtz	GRYWK	v.wk	-	3-4	-	138	325.36	326.36	1.00	tr	-								0.017
			GRYWK	v.wk	-	1	-	139	326.36	327.20	0.84	tr	-								0.005
			GRYWK	v.wk	-	2-3	-	140	327.20	328.28	1.08	tr	-								0.002
			GRYWK	v.wk	-	3-4	-	141	328.28	329.07	0.79	tr	-								0.006
			GRYWK	v.wk	-	2-3	-	142	329.07	329.89	0.82	tr	-								0.002
			GRYWK	v.wk	-	2-3	-	143	329.89	330.90	1.01	tr	-								0.002
			GRYWK	v.wk	-	2-3	-	144	330.90	331.90	1.00	tr	-								0.065
			GRYWK	v.wk	-	2-3	-	145	331.90	332.90	1.00	tr	-								0.002
			STD					146	332.90	332.90	0.00										3.010
			GRYWK	v.wk	-	1-2	-	147	332.90	333.62	0.72	tr-0.5	-								0.009
			GRYWK	v.wk	-	5	-	148	333.62	334.13	0.51	0.5-1	-								0.007

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert,M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG21-064

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		veinlets with chlorite clots oriented at 45-50 deg tca dipping uphole (i.e, ~326m). Locally, 15 deg tca wispy white carb stringers dipping uphole crosscut and displace 65 deg tca wispy white carb stringers, dipping downhole. Displaced by 1.3 cm (FW moves left, HW moves right - dextral). While generally texturally uniform, locally the matrix slightly coarsens and has a slightly splotchy appearance (chlorite?). Non-magnetic. Moderately soft when scratched with scribe. Veining abundance increases immediately before lower contact (and increases in silicification immediately at contact - hard when scratched with scribe). Relatively sharp lower contact at 50 deg tca.																			
334.13	376.34	**ARGILLITE** 334.13-336.22m: Bleached/silicified interval with ~10-20% white quartz-carbonate extensional veining, mostly dipping shallowly at 25-30 deg tca, dipping downhole. Matrix appears medium grey in colour, in contrast with dark charcoal colour downhole for most of the argillite. Local wider veinlets (i.e., 1-1.5 cm) feature localized discontinuous pale beige alteration haloes as well as local dark green clots of chlorite within the veins; veins are generally barren. Local narrow white qtz-carb stringers at 50 deg tca dipping uphole (i.e., <0.5 cm wide) crosscut other narrow white qtz-carb stringers of similar, but slightly wider width (oriented at 45 deg tca dipping downhole). Weak to moderate siliciification - moderately hard when scratched with scribe. When present, trace fine-grained cubic pyrite occurs throughout argillite matrix. Fabric oriented at 45-50 deg tca Rest of unit is generally a laminated argillite that appears as	ARG	w	-	15-20	-	149	334.13	334.74	0.61	0.5	-								0.002
			ARG	w	-	10-15	-	150	334.74	335.30	0.56	0.5	-								0.002
			ARG	w	-	2-3	-	151	335.30	336.22	0.92	tr	-								0.007
			ARG	-	-	1-2	-	152	336.22	337.07	0.85	0.5	-								0.002
			ARG	-	-	0.5	-	153	337.07	337.33	0.26	tr	-								0.002
			ARG	-	-	0.5-1	-	154	337.33	338.29	0.96	0.5-1	-								0.007
			ARG	-	-	0.5-1	-	155	338.29	339.30	1.01	0.5	-								0.002
			BLANK					156	339.30	339.30	0.00										0.002
			ARG	-	-	25-30	-	157	339.30	339.75	0.45	2-3	-								0.005
			ARG	-	-	0.5	-	158	339.75	340.75	1.00	0.5	-								0.005
			ARG	-	-	0.5	-	159	375.34	376.34	1.00	0.5	-								0.073

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		bands of dark black to pale grey to deeper charcoal grey in colour. Very fine to fine-grained. Local crenulations and ductile deformations are present. From ~337-349m, fabric orientation gradually flattens from 45 to 40 to 25 deg tca. Around 350.7m, fabric steepens to 50 deg tca (locally crenulated as well). Downhole of ~360m, fabric flattens to 45-40 deg tca. By ~363m, fabric further flattens to 25-35 deg tca and is also associated with localized crenulations. Crenulations persist regularly until ~365.9m. Downhole of ~368.3m, fabric flattens so ~sub-parallel to long axis of core. Core angle remains relatively flat until ~371.1m and gradually steepens to ~20 deg tca, dipping downhole. Downhole of ~372.3, core angle flattens again. During these flattenings, fabric gently undulates along core axis and features abundant crenulations. At ~374.27m, the fabric steepens relatively suddenly to 40-50 deg tca. Downhole of ~375m, fabric steepens to ~55 deg tca. Local flattening around 375.42m. Downhole of 375.6m, fabric is consistent at ~65 deg tca. ~3-7% white to translucent/pale grey quartz-carbonate veinlets/stringers varying in width between <5mm and 1 cm and oriented at mostly parallel to fabric at 40-50 deg tca, dipping downhole. Local sigmoidal wider veinlets are sub-parallel to long axis of core. Second-most commonly occurring white carb-qtz extensional vein orientation is at 20-30 deg tca, dipping uphole, and crosscutting fabric and veinlets parallel to fabric. Locally, fine-grained pyrite is observed therein the crosscutting veinlets. Coarse blebs of pyrite get as wide as 2 cm and can occur tangentially along ~50 deg tca veinlets. Most veinlets generally barren, regardless of orientation. 252.8-353.9m: Where core is slightly more jointed (one joint every ~4-8 cm), unit locally takes on lighter greyish colour due																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

to bleaching. Comparatively softer when scratched with scribe compared to surrounding dark grey argillite.

~Trace to ~1-2% fine to coarse-grained pyrite grains/blebs are scattered throughout the matrix. Locally, fine-grained cubic pyrite also associated with diffusive grey carbonate veining/alteration.

337.11-337.33m: grey carbonate alteration.
Moderately to strongly effervesces with HCL. Internal fabric consistent with surrounding argillite fabric. Sharp lower contact at 35 deg tca. Sharp upper contact at 35 deg tca. Local micro s- and z-folds just before upper contact, suggesting HW moving upwards relative to FW (relative to BOC line rotated so at bottom and downhole direction is towards the right). No sulfides observed. Trace fine-grained pale yellow sericite? Wisps near lower contact.

339.37-339.70m: bleached/chloritized interval with ~25-30% grey to translucent quartz-carbonate blebby veining and ~2-3% medium- to coarse-grained honey yellow pyrite disseminations subhedral cubic. Some discontinuous <1-2mm wide white to light grey qtz-carb stringers reflect weak plastic deformation/gentle crinkles/crenulations/wobbles. Pyrite observed in veins oriented at 40 and 70 deg tca, (presumably dipping downhole - note: reduced confidence in run due to no driller mark). Veins vary in width between 2mm and ~8 cm. Medium olive green matrix is very soft when scratched. Alteration has sharp lower contact at 25 deg tca (assuming dipping downhole). Alteration obliterated any discernable fabric orientation within this interval.

344.02-344.33m: coarser siliceous interval with interstitial dark green chlorite and mostly pale beige possible sericite (pseudo

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		net-texture amongst equant grey/translucent quartz eyes). Moderately soft when scratched with scribe. No sulfides observed. Trace wispy discontinuous pale grey carbonate near-vertical to 80 deg tca carb blebs. Massive to very poorly defined fabric at 40 deg tca. Sharp upper and lower contacts at 25 and 50 deg tca, respectively. 361.05-361.21m: Felsic yellowish-greenish beige interval - no significant sulfides nor veining. Well-defined laminae are paralle to sharp upper and lower contacts at 45 and 40 deg tca, respectively - both dipping downhole. White wispy mm-wide carbonate stringers crosscut the upper contact at 40 deg tca, dipping uphole. Soft when scratched with scribe. Sharp lower contact at 70 deg tca.																			
376.34	382.78	**INTERMEDIATE MINERALIZED DYKE** Mostly homogeneous siliceous massive medium taupe-ish grey intermediate dyke featuring pervasive fine to very fine-grained disseminated cubic pyrite (~5-8%). Overall, ~0.5-1% wispy white to pale grey carb-quartz blebs/mm-wide white carbonate stringers oriented at 20-35 deg tca, dipping downhole. Odd white carb mm-wide stringer oriented at 60 deg tca slightly dipping downhole. Some discontinuous blebs feature fine-grained pyrite and trace dark green chlorite. Unit possibly features relict felsic clasts? (i.e., ~378.9m). 376.905-377.185m: Strained/altered Mafic Conglomerate? Dark olive green coloured clasts with local wisps of pale beige micas. Stretch ratio of ~4 cm long by 2mm wide. Has similar texture as mafic conglomerate (sheared) earlier in hole. Fabric at 65 deg tca, dipping uphole. Relatively sharp	INT DY	-	-	0.5	-	160	376.34	376.97	0.63	tr-0.5	-			0.885					
			INT DY	tr	-	0.5	-	161	376.97	377.29	0.32	tr	-			0.162					
			INT DY	w	-	tr	-	162	377.29	378.23	0.94	3-5	tr			0.270					
			INT DY	w	-	1-2	-	163	378.23	378.61	0.38	5	-			2.540					
			INT DY	w	-	0.5-1	-	164	378.61	379.58	0.97	5-8	-			1.850					
			UM	-	-	8-10	-	165	379.58	380.30	0.72	-	-			0.056					
			INT DY	w	-	1-2	-	166	380.30	380.85	0.55	3-5	-			0.233					
			INT DY	w	-	0.5	-	167	380.85	381.66	0.81	tr-0.5	-			0.171					
			INT DY	w	-	0.5	-	168	381.66	382.14	0.48	0.5	-			0.241					
			INT DY	w	-	1	-	169	382.14	382.39	0.25	0.5-1	-			0.013					
			INT DY	w	-	0	-	170	382.39	382.78	0.39	tr	-			0.119					
			UM	-	-	8-10	-	171	382.78	383.78	1.00	-	-			0.295					

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		upper and lower contacts at 30 and 55 deg tca, respectively. No significant veining/sulfides. 349.58-380.3m: Ultramafic Dark green ribboned with abundant white carbonate veining. Sharp upper contact at 60 deg tca, dipping uphole. Lower contact is irregular but also at about 60 deg tca. Moderately to strongly talc and serpentine-altered. Soapy feel and very soft (can scratch with fingernail). ~20-30% pale grey to white carbonate veinlets oriented mostly at 50 deg tca. Veinlets generally <5mm wide. No significant sulfides. Non-magnetic. Local coarsening in texture (splotchy appearance) downhole of 382.14-382.26m and at 382.39-382.78m. Moderately soft when scratched with scribe. Non-mineralized. Weakly defined fabric at 55-60 deg tca. Non-magnetic. Lower contact is presumably sharp, but lower ultramafic is broken up so angle cannot be obtained.																			
382.78	390.00	**ULTRAMAFIC** Dark green ribboned with abundant white carbonate veining (~25-30%). Sharp upper contact at 60 deg tca, dipping uphole. Lower contact is irregular but also at about 60 deg tca. Moderately to strongly talc and serpentine-altered. Soapy feel and very soft (can scratch with fingernail). ~20-30% pale grey to white carbonate veinlets oriented mostly at 25 to 35 deg tca. Veinlets generally <5mm wide. No significant sulfides. Non-magnetic. Locally ~5-10% veining between 387 and 388.2m (similar orientation) (rock is harder - can't scratch with fingernail - less talc- altered, little to no serpentine). Non-magnetic.																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert,M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG21-064

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		No sulfides observed. EOH at 390m.																			

Printed: March 15, 2022

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	PP22			DOWNHOLE SURVEY METHOD: DeviCo Gyro	REMARKS: Hex core barrel. Obtained oriented core measurements between 329.3 and 414m (EOH), inclusive. Hole number is TOG-21-65A.
HOLE NO.:	OG21-065	LENGTH (m):	414.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362595.000	EASTING:	471802.000	COLLAR SURVEY BY: DeviCo Rig Aligner	
SECTION:	TZ_1200W	ZONE:	Thomas Ogden	ELEVATION (m):	300.000	DRILLING COMPANY: DrillCo	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	3.0 / -63.5	SURVEYED:	2.730 / -63.442	DATE LOGGED: Nov. 03, 2021 TO Nov. 07, 2021	Core Storage: Polk Farm
HOLE STARTED:	September 30, 2021	HOLE FINISHED:	October 05, 2021	MAG:	10.75° w	LOGGED BY: M.MacIsaac, S.Huebert	Page 1 of 16

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n Index Carb	Alb	%Qtz	Ser	SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	20.05	**OVERBURDEN**																			

(m)	Azimuth	Dip	Date	Time	Avg/In/Ou
30	1.33	-64.07	2-Oct-21	9:55 AM	Average
60	359.18	-63.00	2-Oct-21	1:10 PM	Average
90	358.01	-62.34	2-Oct-21	4:34 PM	Average
120	356.70	-61.34	2-Oct-21	11:26 PM	Average
150	355.81	-61.56	3-Oct-21	Night shift	Average
180	355.85	-60.56	3-Oct-21	11:59 AM	Average
210	356.09	-60.53	3-Oct-21	3:51 PM	Average
240	355.7	-59.84	3-Oct-21	10:22 PM	Average
270	355.61	-60.11	3-Oct-21	3:39 AM	Average
300	354.21	-59.86	4-Oct-21	11:30 AM	Average
330	355.25	-59.51	4-Oct-21	3:16 PM	Average
360	355.52	-59.85	5-Oct-21	3:38 AM	Average
390	355.1	-60.08	5-Oct-21	~6:15 PM	Average
411	354.84	-60.01	5-Oct-21	~5:30 PM	Average

QA/QC Samples:
019 - BLANK
029 - CDN-GS-3H
036 - BLANK (2 inserted in bag - follows VG-bearing sample)
056 - BLANK
059 - Accurassay HGS3
076 - BLANK
089 - CDN-CM-2
096 - BLANK
116 - BLANK
119 - Accurassay HGS3

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac, S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG21-065

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
20.05	122.53	**MAFIC FRAGMENTAL** This unit consists of heterogeneous fragments and quite variable from more mafic rich to felsic in composition and appear to form weak layers from mafic to felsic younging downhole (north). Patches within the unit are gritty in appearance and resemble coarser sandstones. General alignment of the fragments and mineral alignment is at 50 degrees to ca. The volcanic host is a chloritic andesite. The clasts are dacitic to rhyolitic with a cream to soft beige colouration with speckled green chlorite within. The contacts are generally sharp and sub-angular with occasional rounded clasts ranging from <1cm to 1m in length. The foliation of the unit varies with weak and moderate sections. Occasional secondary white to semi-transparent quartz stringers and veinlets (<1cm) and local association with epidote. Trace hematite present along occasional fracture faces. 27.30 - 28.12m: intermediate dike -sharp upper and lower contacts at 48 and 55 degrees resp. -grey/brown colouration -fine-grained -minor disseminated pyrite 39.75 - 39.95m: intermediate dike -sharp parallel contacts at 43 degrees to ca -fine-grained, gritty -deep reddish/grey/brown colour -trace disseminated pyrite 59.97-60.02 Granular white quartz vein, tr-1% pyrite 84.65 - 84.77m: Mafic to intermediate dike																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac, S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG21-065

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		-sharp upper and lower contacts at 80 and 55 degrees to ca respectively. -fine-grained -dark green/grey/brown colouration -minor secondary quartz stringers with trace carbonate -trace disseminated pyrite 96.4-96.68m: section of moderate to strong hematization, rusty to dark brown, quartz sweats 97.54 - 97.56m: fracture healed by vuggy quartz/calcite veining -angular pebbles and gravel material here also -fault??? -healed fracture oriented at 12 degrees to ca																				
122.53	131.58	**MAFIC-INTERMEDIATE TUFF** Medium to dark green, fine grained with a gritty texture. Unit is relatively competent with minor fracturing. Weak to locally moderate foliation @47-50 deg to c.a. with hornblende clots (1-3mm) aligned parallel to foliation. Occasional white quartz veins (2-4mm) predominantly @ 45-50 deg. To c.a. Locally grades to dacitic in composition. Relatively unaltered and unmineralized and non-magnetic. Unit becomes more foliated near lower contact. Relatively sharp lower contact @40 deg to tca with associated strong foliation.																			
131.58	141.35	**SERICITE-QTZ/CARB SCHIST**																			

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		This is an extremely foliated unit with ribboned white/pale yellow bands consisting of qtz/felds/carb which has been partially altered to sericite. The unit has undergone immense alteration with ribbon-like bands upto 1.5cm at various orientations with a preferential orientation of 45 deg tca. Cubic pyrite common ranging from trace to 0.5%. Lower contact @ Approx 40 deg to c.a. Unit is strongly foliated and host rock is moderately silicified and grey in color.																			
141.35	202.68	**CHLORITE SCHIST** This is an extremely foliated unit that resembles the way an ultramafic gets foliated and ribboned by white qtz/felds/carb. The unit has undergone strong chlorite alteration with weak to locally moderate fuchsite alteration that results in a very distinct green colouration. Parts of the unit are slightly darker with slight serpentine alteration and a typical peridotite specked appearance. The unit is intruded fairly heavily by white quartz/felds/carb stringers at random angles to ca as well as showing evidence of deformation through locally prominent S and Z folding. Quartz veins commonly contain trace to 0.5% finely disseminated pyrite and commonly are fe-carb altered with brown staining locally. Gradational lower contact with ultramafics. Top 6m of unit is more of a gritty tuffaceous unit which exits a moderate foliation and chlorite/hbl clots throughout																			
202.68	231.90	**ULTRAMAFICS** Well foliated at 40-60 degrees to ca. Immense white quartz/felds/calcite veining and stringers throughout averaging 65-70% overall. These white stringers show strong evidence of deformation through crenulations, minor folds and tiny mm-scale off-sets along micro-faults. The unit is altered with grey carbonate and moderate serpentine. Occasional semi-																			

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		transparent to white quartz veinlets (1-4cm wide) cross cut the foliation. Occasional black serpentine stringers cross-cut the foliation along minor slip planes. Upper portion is unit is slightly harder and more siliceous and lighter grey. Unit is not as soft as traditional ultramafic, texturally the same. Non-magnetic Trace pyrite at best.																			
231.90	290.10	**MAFIC TUFF** Medium to dark green, fine grained with a gritty texture. Unit is relatively competent with minor fracturing. Weak to locally moderate foliation with foliation angles quite variable ranging from 25-48 deg to c.a. indicating possible folding present as seen in several narrow quartz veins exhibiting S&Z folding. Hornblende clots (1-3mm) aligned parallel to foliation. Abundant white quartz veins (2-10mm) predominantly @ 42-48 deg. Overall relatively unaltered, non-magnetic and unmineralized except for several narrow bands with 1-3% pyrite. Unit becomes more foliated near lower contact. Relatively sharp lower contact @40 deg to tca with associated strong foliation. Some silicified banding present parallel to foliation with 1-3% pyrite. Bands are lighter grey and typically 1-3cm in width. Pyrite locally cubic. Core angles become progressively shallower down section towards the ultramafics. Lower half of unit, core angles range from 0-20 deg tca. Over last 9m of unit, becomes darker green, not as banded and more chloritic. Relatively sharp lower contact @28 deg to c.a., strongly foliated.																			
290.10	329.30	**ULTRAMAFICS**																			

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METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Well foliated at 40-60 degrees to ca. Immense white quartz/felds/calcite veining and stringers throughout averaging 25% overall ranging upto 10cm. These white stringers show strong evidence of deformation through crenulations, minor folds and tiny mm-scale off-sets along micro-faults. The unit is altered with grey carbonate and moderate serpentine. Occasional semi-transparent to white quartz veinlets (1-4cm wide) cross cut the foliation. Occasional black serp stringers cross-cut the foliation along minor slip planes. Evidence of significant folding with white bands exhibiting 60 deg dip changes over 20cm. Unit is moderately soft. Over last 11m of unit, it becomes progressively harder and more fuchsite rich, moderately silicified. Non-magnetic Trace pyrite at best. 318.8-319.9 Fault/clay gouge 319.7-320.0 Fault/clay gouge 322.13-322.46 Intermediate dike, shared contacts.																			
329.30	348.53	**SHEARED ULTRAMAFIC TRANSITION ZONE** Superficially resembles sheared ultramafic subject to various plastic deformation events, of locally varying intensity and orientation. Medium mossy to evergreen in colour, with local pale brownish intervals -pervasively ribboned with pale grey to white carbonate+/-quartz veinlets yielding a striped appearance. Matrix is fine-grained with very fine- to fine-grained dark green chlorotic clots.	SHD UM	-	-	3-5	-	001	329.30	330.40	1.10	tr	-			0.002					
			SHD UM	-	-	7-10	-	002	330.40	331.00	0.60	-	-			0.002					
			SHD UM	-	-	5	-	003	331.00	332.00	1.00	tr	-			0.002					
			SHD UM	-	-	7-10	-	004	332.00	332.63	0.63	tr	-			0.002					
			SHD UM	-	-	5-8	-	005	332.63	333.57	0.94	tr	-			0.082					
			SHD UM	-	-	8-10	-	006	333.57	334.60	1.03	-	-			0.002					
			SHD UM	-	-	15-20	-	007	334.60	335.31	0.71	-	-			0.002					
			SHD UM	-	-	25-30	-	008	335.31	336.14	0.83	-	-			0.007					
			SHD UM	-	-	10-15	-	009	336.14	337.00	0.86	-	-			0.002					
			SHD UM	-	-	10	-	010	337.00	338.00	1.00	-	-			0.002					
			SHD UM	-	-	7-10	-	011	338.00	338.60	0.60	-	-			0.002					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Zone presents pervasive plastic deformation textures and fabrics. Local low-angle fault occurs at 20 deg tca, dipping up-hole (i.e., 333.4m); surrounding fabric is ductile and shows local s-folds suggesting dextral movement. At least two different dipping low-angle folds (oriented at 30 deg, dipping downhole, and 20 deg, dipping uphole, occur at 335.465 and 343.82m, respectively). Local micro-crenulations alongside some folded pale cream to white carbonate veinlets (i.e., at ~338.0m).	SHD UM	tr-w	-	5-8	-	012	338.60	339.46	0.86	-	-			0.006						
			SHD UM	tr-w	-	10	-	013	339.46	340.17	0.71	tr	-			0.016						
			SHD UM	-	-	5-8	-	014	340.17	340.80	0.63	tr	-			0.002						
			SHD UM	m-s	-	7-10	-	015	340.80	341.04	0.24	-	-			0.011						
			SHD UM	tr-w	-	20-25	-	016	341.04	341.56	0.52	tr-0.5	-			0.011						
			SHD UM	-	-	10	-	017	341.56	342.19	0.63	-	-			0.006						
			SHD UM	-	-	15-20	-	018	342.19	342.89	0.70	-	-			0.005						
			BLANK					019	342.89	342.89	0.00					0.005						
			SHD UM	-	-	5	-	020	342.89	343.18	0.29	-	-			0.002						
		Local low-angle micro-faults (mm-wide) crosscut and locally displace some veinlets by 1-3 mm.	SHD UM	tr-w	-	1-2	-	021	343.18	343.45	0.27	0.5	-			0.210						
			SHD UM	-	-	25-30	-	022	343.45	344.36	0.91	tr	-			0.015						
			SHD UM	-	-	10-15	-	023	344.36	345.36	1.00	-	-			0.002						
		Local/intermittent zones of alteration take on pale brownish colour (Fe carb alteration) (i.e., at 340.81-341.04m & 343.22-343.42m). Moderately effervesces with HCl.	SHD UM	-	-	10-15	-	024	345.36	346.34	0.98	-	-			0.008						
			SHD ALT UM	tr-w	tr-w	3-4	-	025	346.34	346.80	0.46	tr	-			0.054						
			SHD ALT UM	-	-	7-10	-	026	346.80	347.35	0.55	tr	-			0.114						
			SHD ALT UM	tr	w	4-5	-	027	347.35	348.00	0.65	tr	-			0.083						
		Overall, trace to no sulfides present. Local very fine-grained pyrite disseminations occur within dark green chloritic seams.	SHD ALT UM	-	w	15	-	028	348.00	348.53	0.53	0.5-1	-			0.336						
			STANDARD					029	348.53	348.53	0.00					2.960						
		~10-20% carbonate +/- quartz veinlets pervasively throughout unit and generally ~5mm wide (vary in width between 1-2mm and 3 cm). Local smokey wider veinlets, with a slight blue-hue, tend to be quartz dominant (i.e., 341.38m).																			
		Continuously sampled due to ductile structures and proximity to VG-bearing zone in below unit.																			
		Unit becomes progressively altered and sheared between 346.34-348.53m, closer towards lower contact. Defined by abrupt and suddenly strong orange-y peach coloured Fe carb-silicification alteration in below felsite. In this interval, unit continues to lack a consistent fabric orientation, but seems to flatten starting at ~348m and white quartz-carbonate veining increases in width and abundance as well, crosscutting the																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		fabric at 15-20 deg tca, dipping uphole. Veining is generally barren, or has trace fine-grained pyrite, and variably has planar or amorphous/blebby contacts. Sharp but irregular lower contact at 348.53m at ~35 deg tca (blebby white quartz-carb veining within below unit interfingers into above sheared/altered ultramafic).																			
348.53	356.66	**FELSITE** A total of 30 clusters of VG wisps and very fine- to fine-grained specks of VG present - refer to 350.5-352.50m. (Note: possibly 31 - reduced confidence as possible VG is not surficial along the core and is under a thicker layer of clear quartz). Please refer to goniometer data sheet for detailed notes of cross-cutting relationships within VG zone (of healed fractures/veinlets). All measurements obtained in VG-bearing zone have both goniometer and IQ logger data. Close-up photos of this zone, as well as microscope photos of the VG, are also available. Refer to photo-annotated notes for more information. Unit generally has pervasive disseminated very fine- to (less commonly) fine-grained cubic subhedral to euhedral pyrite, mostly constrained within the altered host rock matrix. Pyrite abundance varies as noted in sample breakdown in right-hand table. Trace local fine- to medium-grained blebs of greenish hued yellow chalcopyrite and trace very fine-grained orange-y brown sphalerite (associated with dark green chlorite clots) are also present. Only sulfide observed within VG zone is pyrite. Possible tr vfg arsenopyrite in sample 038 (stylolitic like sulfide wisp - floating in white qtz-carb). Unit appears strongly altered and pervasively siliceous (very	FEL	m-s	m	15-20	-	030	348.53	349.04	0.51	5-6	-	10.800							
			FEL	s	w-m	7-10	-	031	349.04	349.57	0.53	4-5	-	1.780							
			FEL	s	w-m	10-15	tr	032	349.57	349.94	0.37	3-4	-	0.656							
			FEL	w	s	3-5	-	033	349.94	350.50	0.56	2-3	-	2.960							
			FEL	w	s	5-7	-	034	350.50	351.00	0.50	1-2	- VG	8.540							
			FEL	w	s	15-20	-	035	351.00	351.50	0.50	1-2	- VG	7.860							
			BLANK					036	351.50	351.50	0.00		-	0.025							
			FEL	w	s	20-25	-	037	351.50	352.00	0.50	3-4	- VG	4.820							
			FEL	w	s	25-30	-	038	352.00	352.50	0.50	3	- VG	41.600							
			FEL	w	s	35-40	-	039	352.50	353.00	0.50	3-4	tr	2.730							
			FEL	w	s	45-50	-	040	353.00	353.47	0.47	4-5	-	0.159							
			FEL	m	m-s	15	tr	041	353.47	354.00	0.53	4-5	-	0.801							
			FEL	w-m	w-m	3-5	w	042	354.00	354.45	0.45	3-4	-	0.315							
			FEL	w	w-m	15-20	-	043	354.45	354.94	0.49	1-2	-	0.630							
			FEL	m	m	60-70	tr-w	044	354.94	355.47	0.53	2-3	-	1.190							
			FEL	w	w-m	35-45	tr	045	355.47	356.03	0.56	2-3	-	1.450							
			FEL	w-m	m	3	-	046	356.03	356.66	0.63	5	-	1.160							

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		hard when scratched with scribe). Alteration type and intensity varies throughout the unit. Between 348.53-349.04, brownish orange Fe carb alteration is mod-strong in intensity, but occurs in distinct patches. Interval does not strongly effervesce in presence of HCl, but could be due to silicification overprint. 349.04-349.94m: Fe carb alteration is stronger in intensity and occurs pervasively, as shown by consistent buff-orange colouration. Between 349.94 and ~354m, the unit takes on a pale greyish buff colour due to strong albitization, silicification, and carbonate alteration. This interval is associated with pervasive blebs, amorphous swells of white quartz-carbonate veining; wider white quartz-carb veins generally occur at lower core angles at 10-15 deg tca and locally have undulatory contacts (generally barren, save for odd grain of fine-grained pyrite). Between ~354 and ~354.9m, the unit takes on dark grey, fine-grained appearance with abundant pale caramel-buff coloured stringer/fracture-related alteration (Fe carb + silicification). Local <0.5 cm wide band of bright green fuchsite associated with fine-grained disseminated pyrite (~354.05m). Stringers/veining near vertical, relative tca, at ~75-85 deg tca. Between ~354.9 and 356.66m, the unit appears similar to above at 349.94-354m, in terms of pale greyish buff colouration, but shows an increase in pervasive white quartz-carb blebs (lacks wider continuous low-angle quartz-carb veins though). A total of 30 VG specks/wisps (as coarse as 1mm by 3mm) occur as "floating" within white quartz-carbonate blebs/veinlets, or tangential/proximal to healed fractures that occur at low angles relative to the core axis. All VG occurrences were examined under the microscope and only one at 350.63m was observed to show an elongation/lineation (parallel to long axis of core - also parallel to ~4mm wide clear quartz veinlet tangential																				

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		to this VG grain). Most VG specks were <0.25-0.5mm wide and striations from the drill could be discerned. When present, VG tended to not be associated with sulfide minerals, except for at ~352.2m, where there is vein that features fine-grained pale grey feldspars (yields a superficially "micro-breccia" like texture). Around the concentration of feldspars, there are discontinuous <0.25mm wide seams of very fine-grained brassy pyrite that appears to have low amplitude crenulated crinkles. Nearest VG grain to this pyrite occurrence is almost tangential to the pyrite. Diffusive, silicified lower contact at ~75 deg tca.																			
356.66	357.13	**SILICA-FLOODED SHEAR (CONGLOMERATE?)** Possible trace very fine-grained silver-coloured arsenopyrite stubby crystals - generally observed within blue-ish hued quartz-carbonate flooding/blebs. Trace very fine- to fine-grained disseminated pyrite occurs as odd grain within clear-white quartz-carb blebs/lenses or in altered matrix. Fabric is generally consistent with a strongly developed fabric at 60-70 deg tca. Likely a highly strained conglomerate as its colouration appears similar to the below unit but lacks termination points to the clasts in the relatively less stretched/sheared section below. Local bright green fuchsite near upper contact. Refer to photo-annotated notes for more details.	SHR	w	w	3-5	tr	047	356.66	357.13	0.46	1-2	tr			0.560					

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
357.13	360.66	**SHEARED CONGLOMERATE** Unit takes on banded appearance due to extent of shearing (strong shear fabric). Unit appears dark green to pale yellow in terms of colour. Can discern odd termination point/tapered ends of felsic clasts. In terms of colour, unit appears medium to dark green with pale yellow to cream-coloured bands (due to localized albitization/carbonate/sericite alteration). Fabric is well-defined at 80-85 deg tca. Dark green chloritic clasts show a stretching ratio of ~5mm wide by 6 cm long. Local weakly developed crenulation foliation present at ~50 deg tca. Local healed fractures oriented at 70-75 deg tca. Generally, ~2-3% white/clear to pale grey/blue-ish quartz-carbonate lenses/narrow veinlets <1 cm wide, mostly conformable to fabric. Where present, quartz-carb blebs that have a slight blue-ish colouration are locally associated with wisps of bright green fuchsite and fine-grained disseminated subhedral to euhedral cubic pyrite. Local white carbonate-quartz veinlets crosscut the fabric at 65 deg tca, dipping downhole. Overall, trace to 0.5% very fine- to fine-grained subhedral to euhedral cubic brassy pyrite disseminations. Refer to photo-annotated notes for more detail.	CONGL	w	w	1-2	tr	048	357.13	358.00	0.87	tr	-			0.012						
			CONGL	w	w	2-3	tr-w	049	358.00	359.00	1.00	tr	-			0.115						
			CONGL	w	w	25-30	tr	050	359.00	359.30	0.30	tr	-			0.005						
			CONGL	tr	tr	1-2	tr	051	359.30	360.30	1.00	tr	-			0.063						
			CONGL	tr	tr	25-30	tr	052	360.30	360.66	0.36	tr	-			0.016						
360.70	378.79	**ARGILLITE** Unit is generally consistent dark to pale charcoal grey beds with aphanitic black top layers. Younging direction generally faces downhole based on graded bedding and locally, flame structures. Argillite bedding ranges and varies locally between 60 and 80 deg tca throughout the unit. Throughout unit, a weakly defined cleavage can be discerned at 30-45 deg tca, generally 2-3mm apart, and crosscut beds. Beds vary in width between 1-7mm on average (locally up to several cm's wide).	ARG	-	-	0.5	-	053	360.66	361.21	0.55	tr	-			0.025						
			ARG	-	-	5	-	054	361.21	361.75	0.54	0.5-1	-			0.030						
			ARG	-	-	0.5	-	055	361.75	362.52	0.77	0.5-1	-			0.002						
			BLANK					056	362.52	362.52	0.00					0.002						
			ARG	-	-	4-5	-	057	362.52	363.40	0.88	1	-			0.112						
			ARG	-	-	0.5	-	058	363.40	364.15	0.75	1-2	-			0.006						
			STDHGS3					059	364.15	364.15	0.00					4.130						
			ARG	-	-	0.5	-	060	364.15	365.00	0.85	0.5	-			0.013						
			ARG	-	-	4-5	-	061	365.00	365.74	0.74	tr-0.5	-			0.017						
			ARG	-	-	-	w	062	365.74	366.06	0.32	tr	-			0.017						

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		375.6-378.79m: Interval with disrupted, highly ductile pale grey-translucent quartz-carbonate veining features slight increase in very fine- to fine-grained pyrite (locally pyrite follows ductile textures in the form of small u or s-shaped wisps). Refer to annotated close-up photos with notes. Local flame structures observed suggest younging direction towards uphole at 377.815m. Downhole of folding at 378.09m , younging direction is once again facing downhole based on graded bedding. Locally, argillite takes on deep blonde, sandy yellow colour (i.e., at ~370.7-375.38. Generally associated with trace fine-grained cubic pyrite. Local pale grey mauve-hued narrow intervals of possible altered felsite or conglomerate occur within these sections of argillite. Local cream-coloured inclusions suggest possible albitized conglomerate. Local mod-strong wisps of bright yellow sericite present. Pervasively trace to <1% very fine- to fine-grained scattered pyrite disseminations and wisps occur through the various argillite beds/laminae (do not appear to be preferentially constrained to a given bed/layer).	ARG	-	-	0.5-1	-	063	366.06	367.00	0.94	tr-0.5	-			0.011						
			ARG	-	-	1-2	-	064	367.00	368.00	1.00	0.5-1	-			0.013						
			ARG	-	-	0.5	-	065	368.00	369.00	1.00	0.5-1	-			0.008						
			ARG	-	-	1-2	-	066	369.00	369.71	0.71	0.5	-			0.026						
			ARG	-	-	10-15	-	067	369.71	370.06	0.35	0.5-1	-			0.005						
			ARG	-	-	1-2	-	068	370.06	370.66	0.60	0.5-1	-			0.010						
			ARG	-	-	0.5	w	069	370.66	371.22	0.56	tr-0.5	-			0.068						
			ARG	-	w	35-45	w	070	371.22	371.79	0.57	1-2	tr			1.940						
			ARG	-	-	6-8	-	071	371.79	372.14	0.35	0.5-1	tr			2.870						
			ARG	-	-	1-2	-	072	372.14	372.33	0.19	0.5-1	0.5			1.650						
			ARG	-	-	1-2	-	073	372.33	373.20	0.87	0.5-1	-			0.018						
			ARG	-	-	2-3	-	074	373.20	373.83	0.63	1	-			0.026						
			ARG	-	-	2-3	-	075	373.83	374.42	0.59	0.5	-			0.046						
			BLANK					076	374.42	374.42	0.00					0.002						
			ARG	-	-	1-2	-	077	374.42	375.25	0.83	tr-0.5	-			0.034						
			ARG	-	-	0.5	w-m	078	375.25	375.60	0.35	tr	-			0.103						
			ARG	-	-	0.5	-	079	375.60	376.45	0.85	0.5-1	-			0.010						
			ARG	-	-	25-30	-	080	376.45	377.20	0.75	2-3	-			0.188						
			ARG	-	-	7-10	-	081	377.20	378.00	0.80	0.5-1	-			0.042						
			ARG	-	-	5-8	-	082	378.00	378.79	0.79	1-2	tr			0.246						
378.79	379.70	**ALTERED MINERALIZED CONGLOMERATE** Superficially resembles an intermediate dyke, but features local beige/cream-coloured felsic fragment (stretch ratio of ~4.5 cm long by 5mm wide). Appears similar to interval hosted within argillite at ~370.7-375.38. Fabric generally oriented at ~70-75 deg tca. Very fine- to fine-grained, siliceous unit. Mauve-hued grey	INT DYKE	-	m-s	0.5	-	083	378.79	379.70	0.91	4-5	-			0.064						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac, S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG21-065

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		colour and bears ~2-3% very fine- to fine-grained subhedral to euhedral brassy cubic pyrite disseminations consistently scattered throughout the siliceous matrix. Sharp lower contact at 80 deg tca.																			
379.70	387.71	**ULTRAMAFIC** Unit grades from medium olive green matrix (very fine-grained) with ~7-10% pale grey (with faint blue undertone) to white quartz-carbonate blebs/lenses/veinlets <1 cm wide from 379.70-381.53m to dark greenish grey fine-grained ultramafic with wispy, ductile white carbonate extensional veinlets <1 cm of various orientations. Local brecciation intervals. Variably talc- and serpentine-altered - locally soft when scratched with scribe. Non-magnetic.	UM	-	-	7-10	-	084	379.70	380.50	0.80	0.5	-			0.120					
			UM	-	-	7-10	-	085	380.50	381.53	1.03	0.5	-			0.036					
			iNT DY	-	-	7-10	-	086	381.53	382.04	0.51	-	-			0.007					
			UM	-	-	2-3	-	087	382.04	382.20	0.16	-	-			0.008					
			UM	-	-	7-10	-	088	382.20	382.96	0.76	0.5	-			0.033					
			STD					089	382.96	382.96	0.00					1.350					
			UM	-	-	7-10	-	090	382.96	383.45	0.49	-	-			0.018					
			UM	-	-	7-10	-	091	383.45	384.35	0.90	-	-			0.019					
			UM	-	-	7-10	-	092	384.35	385.50	1.15	tr	-			0.032					
387.71	390.16	**MINERALIZED INTERMEDIATE DYKE** 387.71-387.84: intermediate dyke with ~5% fine- to medium-grained cubic pyrite disseminations. Mauve-hued greyish siliceous unit, fine-grained. Sharp upper and lower contacts, both at ~60 deg tca (note: contacts irregular - measurement reflects general trend for each). 387.84-388.715: fine-grained, grey greywacke? ~20% fine-grained equant dark green chlorite clots disseminated throughout. Fairly homogeneous in terms of texture and lacks a well-defined fabric. Trace fine-grained disseminated pyrite. ~1-2% wispy white carbonate extensional veinlets <0.5 cm wide and generally dip at ~20-30 deg tca, up-hole. Sharp lower contact at 70 deg tca.	MIN INT DY	-	-	7-10	-	093	385.50	386.20	0.70	-	-			0.002					
			MIN INT DY	-	-	5-8	-	094	386.20	386.65	0.45	tr	-			0.002					
			MIN INT DY	-	-	7-10	-	095	386.65	387.70	1.05	0.5	-			0.080					
			BLANK					096	387.70	387.70	0.00		-			0.002					
			MIN INT DY	-	-	0.5-1	-	097	387.70	387.90	0.20	5	-			0.007					
			MIN INT DY	-	-	1-2	-	098	387.90	388.70	0.80	tr	-			0.002					
			MIN INT DY	-	-	2-3	-	099	388.70	389.30	0.60	1-2	-			0.005					
			MIN INT DY	-	-	0.5-1	-	100	389.30	390.16	0.86	2-3	-			0.006					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac, S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG21-065

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		388.715-390.16m: dark grey, siliceous fine-grained intermediate dyke? Featuring disseminated ~4-5% fine-grained disseminated subhedral to euhedral cubic pyrite disseminations. Unit lacks well-defined fabric. ~0.5-1% wispy white carbonate extensional stringers/veinlets <1 cm wide at 20-30 deg tca, dipping downhole. Sharp lower contact at 80 deg tca.																			
390.16	391.42	**ULTRAMAFIC** Dark greenish grey with ~7-10% white extensional carbonate veining of various orientations. Moderately to strongly serpentine- and talc-altered. Soft when scratched with scribe (and locally with fingernail). Most of unit appears brecciated with interstitial white carbonate. Trace fine-grained disseminated pyrite tangential or within veining. Non-magnetic. No consistent fabric orientation.	UM	-	-	1	-	101	390.16	390.50	0.34	tr	-			0.002					
			UM	-	-	7-10	-	102	390.50	391.42	0.92	-	-			0.036					
391.42	392.23	**MINERALIZED INTERMEDIATE DYKE** Pale mauve-hued grey siliceous unit lacks well-defined fabric and is homogeneous. Very dark grey for first ~10 cm near upper contact - possible chill margin. Massive. Fine-grained. Pervasive ~2-3% fine-grained cubic subhedral to euhedral pyrite disseminations. ~2-3% wispy white carbonate-quartz extensional stringers oriented at 15 to 30 deg tca, mainly dipping downhole. Hard when scratched with scribe.	MIN INT DY	-	-	2-3	-	103	391.42	392.23	0.81	2-3	-			0.036					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac, S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG21-065

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
392.23	393.91	**ULTRAMAFIC** Dark greenish grey fine-grained with ~10-20% white to pale grey carb-quartz veining <1 cm wide of various orientations. Locally massive with no veining (i.e., 393.15-393.35m). Trace to locally ~2-3% very fine- to medium grained disseminated pyrite often occurs in association with veining that reflects plastic deformation. Variably talc and serpentine altered.	UM	-	-	7-10	-	104	392.23	393.15	0.92	-	-			0.002					
			UM	-	-	1	-	105	393.15	393.35	0.20	-	-			0.002					
			UM	-	-	10-15	-	106	393.35	393.91	0.56	-	-			0.002					
393.91	402.44	**MINERALIZED INTERMEDIATE DYKE** Pervasive mauve-hued grey fine-grained siliceous unit with pervasive very fine-grained (to locally fine-) grained cubic brassy pyrite disseminations (scattered throughout siliceous matrix). No well-developed or pervasive fabric orientation. Sharp lower contact at 85 deg tca (appears to be slightly dipping downhole). Between ~398.21 and ~399.6m, there are mm-wide healed fractures , mostly oriented at 50-60 deg tca, dipping downhole, and local ones at 10-15 deg tca, dipping uphole. ~1-4% white wispy carb-qtz stringers <0.5 cm wide, dipping at 15-30 deg tca, dipping both up- and down-hole, and local wider ones at 1-2.5 cm wide oriented at 10-20 deg tca, dipping up-hole. All veinlets generally barren save for trace fine-grained disseminated pyrite. Most of pyrite occurs throughout siliceous host rock matrix. Local healed fractures associated with dark grey silicification alteration haloes.	INT DY	-	-	1-2	-	107	393.91	394.88	0.97	4-5	-			0.097					
			INT DY	-	-	2-3	-	108	394.88	395.88	1.00	5-7	-			0.170					
			INT DY	-	-	0.5-1	-	109	395.88	396.61	0.73	tr	-			0.015					
			UM	-	-	5-8	-	110	396.61	397.00	0.39	0.5	-			0.005					
			INT DY	-	-	1	-	111	397.00	397.91	0.91	2-3	-			0.153					
			INT DY	-	m-s	1-2	-	112	397.91	398.21	0.30	tr-0.5	-			0.309					
			INT DY	-	m	1	-	113	398.21	399.09	0.88	4-5	-			0.368					
			INT DY	-	m-w	3-4	-	114	399.09	399.91	0.82	2-3	-			0.075					
			UM	-	-	-	-	115	399.91	400.11	0.20	tr	-			0.250					
			BLNK					116	400.11	400.11	0.00		-			0.002					
			INT DY	-	w	0.5-1	-	117	400.11	401.07	0.96	1-3	-			0.351					
			INT DY	-	tr	0.5	-	118	401.07	402.00	0.93	2-3	-			1.150					
			STD					119	402.00	402.00	0.00		-			3.750					
			INT DY	-	tr-w	1-2	-	120	402.00	402.44	0.44	1-2	-			0.137					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac, S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG21-065

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Local ultramafic interval at 400-400.11m is dark greyish green with trace fine-grained pyrite and <1% wispy white carbonate stringers/blebs. Non-magnetic. Sharp lower contact at 55 deg tca and sharp upper contact at ~65 deg tca.																			
402.44	414.00	**ULTRAMAFIC** Dark green ribboned with white to pale grey carbonate+/- quartz veining <1 cm wide at various orientations due to plastic deformation. Local black in colour due to stronger serpentinization. Variably talc and serpentine altered throughout (locally soft - can scratch with fingernail up to ~409m). Trace to no sulfides. Intermittent brecciation intervals. EOH at 414m.Non-magnetic. Local shear at 411.82-411.96m (stronger fabric at 50-55 deg tca, dipping downhole - note: not oriented interval). Pervasive ~5-7% white medium grained feldspar-quartz grains slightly elongated along fabric orientation disseminated in sub-interval. EOH at 414.0m.	UM	-	-	7-10	-	121	402.44	403.44	1.00	-	-			0.007					

Printed: March 15, 2022

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	P8384			DOWNHOLE SURVEY METHOD: DeviCo Gyro	REMARKS: Twinned hole of TOG-13-25 - No Hex core barrel used (instead used round barrel as Hex barrel was not yet available on site). Oriented core was obtained for 94.5-285m (refer to IQ Logger Data). Holes 66, 67, 68, 69, 64, & 65A in program also oriented.
HOLE NO.:	TO21-066	LENGTH (m):	285.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362507.000	EASTING:	471519.500	COLLAR SURVEY BY: DeviCo Rig Aligner	
SECTION:	TZ_1525W	ZONE:	Thomas Ogden	ELEVATION (m):	300.000	DRILLING COMPANY: DrillCo	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	345.0 / -52.7	SURVEYED:	345.470 / -52.769	DATE LOGGED: Sep. 18, 2021 TO Sep. 30, 2021	Core Storage: Polk Farm
HOLE STARTED:	September 17, 2021	HOLE FINISHED:	September 19, 2021	MAG:	10.75° w	LOGGED BY: D. Heerema & S.Huebert	Page 1 of 18

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n Index Carb	Alb	%Qtz	Ser	SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	28.60	**OVERBURDEN**																			

(m)	Azimuth	Dip	Date	Time	Avg/In/Out
30	347.61	-50.01	Sept. 17, 2021	12:09 AM	Average
42	346.71	-49.79	Sept. 17, 2021	6:48 PM	Average
75	345.88	-50.4	Sept. 17, 2021	1:44 PM	Average
99	345.44	-49.74	Sept. 18, 2021	8:09 AM	Average
129	346.48	-49.74	Sept. 18, 2021	12:25 PM	Average
162	346.74	-49.75	Sept. 18, 2021	4:09 PM	Out run
(Bad data point - NaN for Standard Deviation/Missing 'In' run)					
192	346.19	-50.5	Sept. 18, 2021	3:44 AM	Average
222	346.49	-50	Sept. 19, 2021	N/A	Average
249	347.05	-50.5	Sept. 19, 2021	8:14 AM	Average
278	347.06	-51.02	Sept. 19, 2021	N/A	Average

QA/QC Samples:
TOG-21-66-021 (BLANK) (233.58m)
TOG-21-66-032 (STD) - CDN - CM - 2 (1.42% Au + 1% Cu) (241.0m)
TOG-21-66-035 (BLANK) - follows up VG sample (242.50m)

28.60 39.25 **FRAGMENTAL**

Blocky unit composed of a finer-grained intermediate grey-green chloritic groundmass hosting felsic ash fragments. Groundmass is rather massive and textureless. Fragments are cream to weak beige in colour, ranging in size from 3mm to approximately 6cm. Fragments show clear contacts and

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D. Heerema & S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO21-066

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		elongation at 75 deg tca, with rounded edges creating more football shapes fragments. Top of the unit to 33m is extremely blocky and weathered to a slightly browner colouration with a more tuffaceous appearance. Pitting from dissolved carbonates present throughout. Non-magnetic and barren of sulphides. Minor carbonate and occasional fine quartz crystal growth on fractures.																			
39.25	62.20	**TUFF** Well altered and highly foliated unit of intermediate to mafic volcanics with a heterolithic appearance. The unit consists chlorite, sericite, potassic alteration, ankerite and minor quartz. The variability of the unit is broken out into sub units below as the alteration and textures change. 39.25 to 45.00m is a deeper green chlorite section with strong sericite is wisps to stringers to 50%. Sericite-chlorite schist with schistosity @ 80 deg tca. From 45.00 - 62.20m is a section of moderate foliation with more pervasive potassic and sericite alteration resulting in a soft pinkish-yellow/beige hue. Speckled green chlorite throughout averaging approx 30%, elongate parallel to foliation @ 60 deg tca. Patchy semi-pervasive ankerite locally but also as thin late rosey quartz-ankerite veinlets. These veinlets cut the alteration/foliation of the unit and often show crenulations and small scale folds. Occasional narrow extensional veinlets of calcite. Relatively competent unit with only narrow 10-20 sections of increased fracturing.																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
62.20	96.57	**FRAGMENTAL** From 62.20 to 72.00m is a darker more chloritic section of fragmental with some ghostly fragments with faint boundaries. Alteration and foliation intensity is weaker here with almost no potassic alt, sericite or ankerite as stringers or bands. From 72.00 to 96.57m is essentially a chlorite/sericite-ankerite schist with moderate ankerite and weak hematite. The unit is extremely foliated resulting in local areas of sericite stringers to bands. Patchy pervasive ankerite present as well as quartz-ankerite veinlets from 1mm to 2cm in thickness. The veinlets consist of white quartz and clotty rusty ankerite, often showing evidence of tectonism in the form of small scale folds. Barren of sulphides and non-magnetic. Areas of remnant and discernable fragments; most evident between 88.90 and 93.30m. 74.74 - 75.13m: mafic dike? -massive and fine-grained -approx 40% chlorite; 30% plag and 30% rusty carbonate -moderate contacts @ 65 deg tca																			
96.57	126.82	**CHLORITE SCHIST** Top of the drilled unit to 98.95m is a weakly foliated but more massive and speckled section as seen in many other holes (basal section of flow). The rock is deep green and fine-grained with 20-55% sub-hedral to euhedral carb growth as disseminations that in places form weak bands. Strong ankerite alteration averaging approx 35% of interval. Pinkish/purple potassic alteration also.	l.dk		20			001	113.93	114.37	0.44	0.5q	-			0.020					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D. Heerema & S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO21-066

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Remainder of the unit is a dark green coloured likely ultramafic protolith, strongly foliated interval of chloritic schist. Chlorite is the most abundant mineral with variable fuchsite and local ankerite. Gradational patches of more talc/serp altered ultramafics; noted below. Rock exhibits strong foliation from 70 degrees tca near the uct grading to 45 degrees tca around the 110m mark and shallowing further to parallel tca at the 118.50m mark before quickly steepening again to 45-55 deg tca. Unit shows abundant white carb-qtz stringers to bands throughout forming a 'zebra' type texture. Throughout most of the unit the bands are parallel tca with areas of increased tectonism showing late cross-cutting micro-slips and qtz-carb stringers as well as young extensional quartz veinlets Sections of the unit such as between 117.60 and 120.00m show strongest deformation with multiple ages of veinlets and strong folding; oldest features are shallow, generally parallel tca, warped and truncated/off-set by two younger sets of steeper veinlets. From 123.10 to 124.70m shows narrow 1mm to 1cm seams of tension cracks (ladder veining) at approx 42-45 deg tca. Rock is moderately competent increasing downhole. Trace disseminations of very fine-grained pyrite occur throughout the unit but are very patchy and randomly distributed. Majority of the rock is barren with no visible sulphide. Trace cpy within some late quartz-carb stringers. 107.10 - 108.45m: blocky section with evidence of groundwater movement -40-45% ankerite veinlets between 107.10 - 107.60m 109.30 - 110.40m: section of darker talc altered ultramafic with gradational contacts -immensely strained -approx 75% white carb-qtz stringers and veinlets; crenulated, weakly boudened and locally mylonitic texture																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		112.60 - 114.85m: section of darker talc altered ultramafics with gradational contacts -immensely strained -ribboned zebra rock with 70% white carb-qtz stringers and bands 113.93 - 114.37m: intermediate dike @ 47 deg tca -dark grey-green chloritic contacts -strong peach coloured potassic overprinting in center associated with late extensional sigmoidal quartz-carb veining -opaque white quartz with 15-20% clotty carbonate -veins ranging from 5-35 deg tca and 1-4cm true width -thin 1-2mm younger quartz-carb veinlets cut dike and older quartz roughly perpendicular @ 58 deg tca -based on bottom line of oriented core, the dike contacts strike at approx 255 and dip vertically -trace pyrite																			
126.82	185.52	**ULTRAMAFIC** Sharp planar upper contact at 50 deg tca. Sharp planar lower contact at 20 deg tca. Ultramafic appears dark greenish charcoal-grey in colour with very fine-to fine-grained matrix and variably ribboned with ~5-10% white carbonate+/-quartz veinlets (orientations vary between 5 deg tca and 65 deg tca, widths generally occur within 1 mm and 2 cm, average ~5 mm). Non-magnetic. Soapy feel is most prominent in intervals with relatively less veining as well as in brecciated zones. These intervals can be scratched with a finger nail. Core is poorly to locally moderately competent (est. overall RQD ~60%). Highly broken up zones are especially talc +/- serpentine-rich. Local weak pale green fuchsite occurs with	UM	w	-	1	-	002	184.50	185.50	1.00	0	-			0.566						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D. Heerema & S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO21-066

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

dark brown biotite locally within some brecciated zones. No significant, obvious sulfides observed.

Veining appears to reflect various dynamic stresses, including undulating, sigmoidal styles to wispy extensional, and interstitial veining along localized brecciated regions. No consistent fabric orientation in unit.

Local fold noses occur (i.e., @ ~138.8-138.96m). Brecciated intervals occur similar to @ 136.38-136.70m. Fabric orientation is highly variable (25 to 40 deg tca and locally parallel tca @ 176.84- ~177.0m). Local crenulations associated with weak pale green fuchsite and white carbonate stringers/veinlets ~3-5mm wide at 40 deg tca).

127.38-127.70m: intermediate dyke? Fine-grained medium grey matrix. Massive. Non-magnetic. Unit pervasively moderately effervesces with HCl. Faintly speckled appearance with pale cream equant grains and fine-grained dark green chlorite laths. Upper and lower contacts are sharp, planar and oriented at 55 and 65 deg tca, respectively. ~0.5-1% pervasively disseminated subhedral to euhedral cubic pyrite Frequency of coarser grains seems to increase within the lower half of the unit. ~1-2% white wispy carbonate stringers do not host any visible sulfides and are generally oriented at ~30-45 deg tca and a couple mm's wide. Local tension gashes infilled with white carbonate occur parallel tca near lower contact.

130.03-130.54m: intermediate dyke - appears near identical to previous dyke at 127.38-127.70m.

150.05-150.55m: possible altered and strained fragmental - pale mossy greyish green mottled with medium grey fine-grained matrix and fragments consistently oriented at ~45-50 deg tca.

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Intermittent wisps of pale yellow sericite occur throughout unit. Tr white to pale grey qtz-carb stringers oriented at 50-60 deg tca crosscutting stretched fragments. No sulfides observed. Sharp lower contact at 50 deg tca. 150.55-152.02m: highly strained and altered ultramafic? Variably appearance but dominant shows pale mauve-hued dark grey fine-grained matrix with ~1-2% local disseminated pyrite. Relatively sharp planar contacts at 50 and 40 deg tca, respectively. Unit bears pervasively disseminated very fine- to fine-grained cubic pale yellow pyrite; pyrite locally occurs as clusters and more rarely, as discontinuous stringers at 75 deg tca. ~151.1-151.4m: tr pyrite observed. This interval seems softer (can be scratched with finger nail) and shows a slight increased in dark brown anastomosing biotite threads and local weak dark green chlorite. Unit does not effervesce with HCL. Non-magnetic. No consistent fabric																			
185.52	196.80	**CONGLOMERATE** Sharp upper planar contact at 20 deg tca. Medium grey fine-grained matrix with weak greyish pale mauve undertones. ~5-8% of unit is pervasive moderately elongated cream- to locally very pale mauve-light grey coloured fragments ranging in width between ~4mm to 5.5 cm. Fragments/clasts show a predominant stretching orientation along 15-30 deg tca. 185.52 to ~189.0m appears to have undergone a greater degree of stretching as clasts/fragments appear as bands instead of as equant inclusions, like downhole of ~189.0m.	Conglom	w	w	0.5	-	003	185.50	186.50	1.00	0.5	-			0.204						
			Conglom	w	w	2	tr	004	186.50	187.50	1.00	tr	-			0.043						
			Conglom	tr-w	w	1	tr	005	187.50	188.50	1.00	0	-			0.049						
			Conglom	tr	w	0.5	tr-w	006	188.50	189.50	1.00	0.5	-			0.002						
			Conglom	tr	tr	1	tr	007	189.50	190.50	1.00	tr	-			0.002						
			Conglom	tr	tr	0.5	tr	008	190.50	191.50	1.00	tr	-			0.002						
			Conglom	tr	tr	0.5	tr	009	191.50	192.50	1.00	0.5	-			0.010						
			Conglom	w	tr	0.5	tr	010	192.50	193.45	0.95	0.5	-			0.185						
			Conglom	w	tr	0.5	tr	011	193.45	194.34	0.89	0.5	-			0.052						
			Conglom	w	w-m	3	tr	012	194.34	195.68	1.34	1	0.5			0.136						
			Conglom	w-m	m	1	tr	013	195.68	196.90	1.22	2	-			0.334						

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
			Conglom	w	w-m	5	tr-w	014	196.60	197.90	1.30	tr	-			0.002					

Unit is much harder than above ultramafic, although can be slightly scratched with a knife. Generally does not effervesce with exception of wispy white carbonate extensional stringers.

~3-5% white wispy carbonate extensional stringers generally crosscut the stretching orientation of the fragments/clasts, and are oriented at 15-30 deg tca, n the opposite direction of the clasts. Locally some stringers, sub-parallel tca, crosscut some clasts causing a displacement of 1.4 cm.

Local patches of pale beige/buff-coloured alteration (moderate to strong albite and lesser silicification). Weakly to moderately effervesces with HCL (may be due to overprint of weak-moderate silicification). These intervals of alteration start approximately at ~194.32m and pulse in and out, in terms of intensity towards lower contact. Strongest and most continuous interval of this alteration occurs in the last 1.33m of the unit. Local weak pale yellow wisps of sericite also present tangential to, or proximal to mm-wide clusters/discontinuous very fine-grained pyrite stringers.

Trace local very fine- to fine-grained pyrite observed mostly in the lower part of the unit (i.e., downhole of ~193.38m). Sulfide content increases locally to ~0.5-1% very fine- to fine-grained pale yellow subhedral to euhdral cubic pyrite disseminations pervasive within zones of strong albitization/silicification, near the lower contact. Pyrite locally occurs in these intervals as discontinuous stringers oriented at 45 deg tca. Pyrite generally occurs in association with pale wispy and patchy albitization/sericitization, as well as in pale mauve-coloured alteration. Locally, pyrite occurs within a white quartz-carbonate extensional stringer oriented at 25 deg tca.

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		196.55-196.64m: Ultramafic Sharp planar upper and lower contacts at 20 and 20 deg tca, respectively. Appears very similar to last logged ultramafic interval. Dark greenish charcoal grey in colour with pervasive ribboned appearance due to white wispy carbonate veinlets (~15-20%). Subtly, weakly-defined sigmoidal en echelon gashes occur at lower contact. The general planar orientation of these gashes occurs at 65 deg tca. Local very weak pale green fuchsite associated with white carbonate and lesser quartz veining. Can slightly scratch ultramafic sub-unit with fingernail, especially central part of unit where talc and carbonate content appears higher (paler/whiter in colour compared to dark greenish grey contacts).																			
196.80	234.28	**ULTRAMAFIC** Dark greenish charcoal grey in colour, fine-grained matrix. Pervasive ~5-8% white carbonate-quartz stringers/veinlets/blebs varying in orientations crosscutting and parallel to fabric. Veining locally appears ptygmatic and crenulated. Local ovoid-shaped blebs more common downhole of ~232m. Widths slightly vary between ~2mm and 3 cm. Local subrounded to subangular breccia fragments within white carb-quartz vein at 217.33-217.8m. Local elongated clast? Resembles a felsic cream-coloured band at 230.55-230.60m (sharp planar contacts at 50 deg tca and 40 deg tca). Trace fine-grained cubic pyrite disseminations occur near threads of dark brown biotite (oriented at 60 deg tca) Fabric varies in orientation between 0-5 deg tca (i.e., ~219.0-	UM	w	-	2	-	016	229.00	230.00	1.00	-	-			0.015						
			UM	w	tr	1	-	017	230.00	231.10	1.10	tr	-			0.066						
			UM	w	-	0.5	-	018	231.10	232.17	1.07	-	-			0.010						
			UM	w	-	0.5	-	019	232.17	233.17	1.00	-	-			0.002						
			UM	w-m	w	2	-	020	233.17	233.58	0.41	tr	-			0.016						
			UM	w	-	1	-	022	233.58	234.09	0.51	-	-			0.006						
			UM	w-m	w	0.5	-	023	234.09	234.28	0.19	-	-			0.112						

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

219.85m) and 60 deg tca (i.e., ~218.85m). Inflection in fabric at 218.8m (5 to 55 deg tca).

Non-magnetic. Unit, including carbonate stringers, very weakly, if not at all, effervesce with HCl. Dark grey-black serpentine occurs locally (i.e., at 227.3m-227.68m) - soft and can be scratched with fingernail. Local weak to moderate patches of pale wheat-coloured beige albitization (i.e., at ~224.13-224.44m).

Overall trace fine-grained subhedral to euhedral cubic pyrite disseminations occur within local mm-wide quartz stringers parallel to fabric sub-parallel tca (i.e., at 218.28m).

233.17-233.35m: Sliver of Felsite

Pale greyish mauve with weakly defined banding oriented at 55 deg tca. Unit takes on gradationally more yellow hues towards the upper contact. Sharp planar upper and lower contacts both at 45 deg tca. White quartz-carbonate veinlets up to ~13mm wide (slightly pinch and swell) with patches of very dark green, almost black chlorite. No observed sulfides.

233.35-233.58m: Sheared, crenulated altered ultramafic

Greyish buff-beige in colour with pervasive delicate mm-wide dark green chloritic crenulations. ~1% white carbonate blebs/discontinuous stringers generally parallel to fabric. Moderately to strongly effervesces with HCl. Moderate to strong carbonatization. Contact with below less altered UM below is 50 deg tca. Local weakly defined fold hinge, oriented at 35 deg tca. ~5-8% Light grey to white quartz-carbonate 2-5mm wide veinlets oriented a 50 deg tca (local very small vug within one veinlet). Veinlets generally parallel to host rock fabric. No sulfides observed.

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

233.58-234.09m: Sheared ultramafic (relatively less altered to above/below sub-units). Dark to moderate green with ~10-15% pervasive wispy white carbonate extensional stringers at 1mm to 1.1cm wide. Stringers generally parallel to host rock fabric at ~45-50 deg tca. Local wider veinlets associated with pale wheat-coloured beige (carbonate) alteration haloes (strongly effervesce with HCl). Trace fine-grained subhedral brassy yellow pyrite disseminations (observed as slightly preferentially elongated along host rock fabric within dark green host rock matrix, but tangenital to small white carbonate blebs). Local weakly defined breccia-like textures proximal to some stringers/veinlets. Local crenulations (not as pronounced as in above sub-unit). Sharp planar lower contact at 45 deg tca.

234.09-234.65m: Sheared, altered ultramafic

Altered ultramafic appears brighter and lighter green in colour with pervasive yellow undertones (superficially resembles an almost epidote-like green colour). Unit has vaguely mottled appearance due to pervasive pale cream-coloured carbonate blebs (moderately to strongly effervesces with HCl). trace fine to medium-grained subhedral to euhedral honey yellow-hued cubic pyrite (locally slightly elongate so parallel with host rock fabric near upper contact). Pyrite content is higher near lower contact and slightly coarsens. ~15% carbonate-quartz veinlets that are pale grey to very pale rose or mauve-hued pink in colour. Veinlets range in width between 1mm and 3.6 cm. Veinlets generally parallel to host rock fabric at 50 deg tca. Local trace small dark green clots of chlorite within wider veinlets (concentrated centrally within vein).

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
234.28	240.00	**BLONDE CONGLOMERATE** Pervasively siliceous. Fine-grained matrix with cream-coloured felsic clasts of variable widths between 3mm and 7 cm. Clasts comprise ~20-30% of unit (cannot definitively ascertain proportion due to locally intense ghosting). Pervasive fine- to locally medium-grained clear/pale grey equant subrounded quartz grains present throughout matrix. Upper part of unit takes on "blonde" or pale yellowish beige colour due to pervasive moderate albitization/carbonatization (234.04m-238.8m). Locally strong albitization. Weakly effervesces - potentially because of silicification overprint. Within the last ~metre of the unit, the colour grades into a more pale mauve-ish grey. Generally, elongated clasts define fabric oriented at 30 deg tca; clasts are variably ghosted due to varying alteration intensity. Odd clast does not elongation/strain similar to most within unit (i.e., little to no elongation of clasts at ~237.0-~238.8m). Intermittent (~trace to 1% locally) fine-grained disseminated cubic pyrite (finer grains appear slightly silver-y in colour) occurs commonly as pervasive disseminations within siliceous matrix or locally in slightly elongated ovoid clusters. Pyrite within these ovoid concentrations are generally a bit coarser than disseminations throughout the matrix. ~5% wispy white quartz-carbonate stringers varying in width between and oriented at 50 deg tca (dominant), 70 deg tca, and late brittle quartz-carbonate infilled structures at 20 deg tca. Widths of stringers are generally ~0.5 to 3-5mm wide. Gradational, diffusive lower contact.	BL CONGL	w	w	0.5	-	024	234.28	234.65	0.37	1	-			0.034						
			BL CONGL	w	w-m	0.5	tr	025	234.65	235.44	0.79	tr	-			1.550						
			BL CONGL	tr	w-m	2	tr	026	235.44	236.43	0.99	tr	-			0.216						
			BL CONGL	w	w-m	1	tr	027	236.43	237.48	1.05	-	-			0.062						
			BL CONGL	w	w	3	tr	028	237.48	238.24	0.76	tr	-			0.038						
			BL CONGL	w	w-m	2	tr	029	238.24	238.70	0.46	tr	-			0.037						
			BL CONGL	w	w-m	4	tr	030	238.70	240.00	1.30	0.5	-			0.087						

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METERAGE		DESCRIPTION
FROM	TO	
240.00	243.51	**FELSITE** VG observed at 242.11m (three very fine- to fine-grained flecks of gold). VG occurs as specks floating within patch of pale mauve-hued silicification ~3mm away from mm-wide pyrite stringer oriented at 60 deg tca. Unit is fine-grained, very siliceous, and has a pale mauve-hued grey colour. Pervasive fine- to locally medium-grained pale grey/clear equant quartz grains occur throughout matrix (subrounded to subangular) .Moderate to strong silicification. Local weak wisps of dark green chlorite. ~7-10% blebby white quartz-carbonate as well as stringers oriented at 30 and more commonly 50 deg tca and at 3mm to 3.5 cm width. Intervals most quartz-rich feature pervasive altered and brecciated fragments of host rock throughout. In these brecciated intervals, there is poorly defined to no fabric. Sulfides occur almost pervasively throughout the unit (overall ~5%). Very fine- to fine-grained disseminated cubic pyrite is the dominant sulfide. It mainly occurs as disseminations floating within patches of stronger silicification/within odd veinlet, or tangenital to dark green chlorite wisps or stylolites. Locally pyrite occurs in a slightly more silver colour (euhedral cubic disseminations). Also, more brassy yellow fine-grained pyrite disseminations occurs in the form of mm-wide stringers oriented at 65 deg tca. Local very fine- to fine-grained disseminated stubby to acicular silver-y coloured arsenopyrite disseminations (locally ~0.5-1%). Arsenopyrite tends to be observed in patches of more intensely mauve-coloured silicification. See top of log for VG description. Sharp planar lower contact at 35 deg tca.

ROCK	Alt'n Index				SAMPLES						ASSAYS							
CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
FEL	tr-w	w	15	-	031	240.00	241.00	1.00	1.5	tr			0.062					
FEL	w	tr	3	-	033	241.00	242.00	1.00	1	tr			0.488					
FEL	tr	tr-w	7	tr	034	242.00	242.50	0.50	1	- VG			1.440					
FEL	tr	w	15	-	036	242.50	243.51	1.01	2	-			2.560					

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243.51	248.67	**CONGLOMERATE** Variably coloured conglomerate unit with fine-grained matrix and pervasive ~. Unit varies between deep greyish olive green and pale greyish yellow-beige in colour. Unit features intervals of "blonde" Conglomerate. Fabric is defined by elongated clasts generally oriented at 55 deg tca. ~5-7% white wispy quartz-carbonate stringers mostly parallel to fabric. Less commonly, some late extensional stringers crosscut fabric at 10 and 40 deg tca. Intermittent fine- to medium grained subrounded/subangular clear to pale grey equant quartz grains. Moderately to strongly developed fabric. Intervals of increased veining associated with localized beige-ish yellow carbonate-albitization alteration haloes. Barely if at all effervesces with HCl (possibly due to silicification overprint). Locally up to ~1-3% very fine- to fine-grained disseminated yellow cubic pyrite disseminations throughout the matrix. Pyrite also occurs along mm-wide dark green chlorite and bright green fuchsite wisps/stringers. Pyrite stringers oriented at 60 deg tca. Sharp lower contact at 50 deg tca.	CONGL	tr	w	5	tr-w	037	243.51	244.35	0.84	0.5	-			1.240						
			CONGL	tr	w	4	tr	038	244.35	244.83	0.48	1	-			0.005						
			CONGL	tr	w	2	tr	039	244.83	245.17	0.34	0.5	-			1.170						
			CONGL	w	tr	0.5	tr	040	245.17	245.54	0.37	0.5	-			1.920						
			CONGL	w	w	1	w	041	245.54	246.10	0.56	0.5	-			0.296						
			CONGL	w-m	w-m	20	tr	043	246.10	246.71	0.61	0.5	-			0.360						
			CONGL	tr	tr	tr	tr	044	246.71	247.18	0.47	0.5	-			0.127						
			CONGL	tr-w	w	0.5	tr	045	247.18	248.28	1.10	tr	-			0.898						
			CONGL	tr	tr	2	tr	046	248.28	248.67	0.39	0.5	-			0.005						

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
248.67	254.57	**MAFIC CONGLOMERATE** Medium to dark olive green in colour with fine-grained matrix ribboned with pervasive, abundant white to pale grey carbonate-quartz veinlets oriented at 55 deg tca and varying in width between 1mm and 1.1cm. Veinlets generally parallel to fabric. Local pale grey carbonate-quartz veinlets hosting disseminated fine-grained honey yellow pyrite oriented at 50 deg tca (parallel to host rock fabric). Can discern highly stretched dark green clasts - locally with tapered terminations/points. Local clasts appear as dark grey bands with pervasive fine-grained equant clear/grey quartz grains (contacts parallel to fabric). Interbedded with fine-grained felsite/argillite-like unit (siliceous, mauve-ish grey with weakly laminated texture). This sub-unit comprises ~20-30% of overall unit. Argillite-like unit occurs at (contact angle): 249.71-249.73 (40 deg tca for contacts), 250.21-250.36 (45/50 deg tca), 250.67-251.1 (45/65 deg tca - lower contact crosscuts below sub-unit), 251.37-251.48 (45/40 deg tca), 251.56-251.77 (35/45 deg tca), & 251.77-252.75m (45/50 deg tca). At 251.1m, the mauve-ish grey conglomerate? (intermittent cream-coloured felsic clasts appear highly stretched at ~25:1) crosscut/truncate the below unit: a sericitized and sheared conglomerate (fabric oriented at 45 deg tca). Pale yellowish wisps (sericitized/carbonatized) are pervasive throughout sub-unit. In mafic conglomerate intervals, there are mauve-ish grey siliceous bands, (oriented parallel to fabric at 40 deg tca) commonly hosting ~1-5% fine- to medium-grained disseminated	MAF CONGLO	tr-w	tr	3	-	047	248.67	249.67	1.00	0.5	-			0.427						
			MAF CONGL	w	-	7	-	048	249.67	250.67	1.00	0.5	-			0.416						
			MAF CONGL	w	w	0.5	w	049	250.67	251.56	0.89	0.5	-			0.042						
			MAF CONGL	w	w	1	-	050	251.56	252.20	0.64	tr	-			0.532						
			MAF CONGL	-	-	0.5	-	051	252.20	252.75	0.55	tr	-			0.056						
			MAF CONGL	w	-	5	-	052	252.75	253.65	0.90	3	-			0.009						
			MAF CONGL	w	-	10	-	053	253.65	254.57	0.92	0.5	-			0.002						

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		subhedral pyrite, and locally pyrrhotite, downhole of 252.75m (downhole of this point, pyrrhotite seems to be the dominant sulfide).																			
254.57	256.45	**POSSIBLE GREYWACKE?** Fine-grained, grey, massive unit with ~3-5% mauve-ish grey siliceous bands (similar to argillite below unit). Can be scratched with scribe. Non-magnetic. ~2-3% faintly pale blue-ish grey to white wispy carbonate blebs. No consistent fabric to unit, except immediately near lower contact where fabric is parallel to lower contact and veining increases in abundance and width (up to 7 mm wide, and oriented at 15 deg tca. ~0.5% fine to locally medium-grained pyrrhotite and yellow-y subhedral pyrite disseminations - mostly proximal to, or within argillite interbeds in unit.	GRYWKE	-	-	0.5	-	054	254.57	255.45	0.88	-	-			0.002						
			GRYWKE	-	-	8	-	055	255.45	256.45	1.00	1	tr			0.002						
256.45	257.55	**FELSITE?** Mauve-ish grey siliceous, fine-grained unit. Mostly hard when scratched with scribe. Lacks consistent fabric ~1-2% white wispy carbonate-quartz stringers/blebs of varying orientations; most of carb stringers occur as tension gashes of limited continuity (i.e., <5-7 cm). Unit seems to transition downhole from pyrrhotite-dominant to pyrite-dominant, sulfide content-wise. Local ~3mm wide pyrite stringer oriented at 50 deg tca. Odd (discontinuous) pyrite stringer occurs in association with white carbonate and very small (mm-wide vugs). Fine- to medium-grained pyrite disseminations increase in abundance and in coarseness	FEL	tr	tr	2	-	056	256.45	257.55	1.10	2	-			0.014						

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		towards lower contact (~7-10% at 257.24-257.55m). For rest of upper part of unit, pyrite generally occurs as very fine-grained disseminations (~1-3%). Local fine-grained amorphous blebs of pyrrhotite near upper contact and locally get as coarse as a ~5x1mm brassy pyrrhotite clot within discontinuous dark greenish grey chlorite/clay stylolite (at ~256.8m). Local small vug proximal to trace observed pyrrhotite.																			
257.55	285.00	**ULTRAMAFIC** Variably moderately to locally strongly serpentinized and talc-altered ultramafic. Fine-grained dark blackish green matrix pervasively ribboned with ~5-10% white wispy carbonate stringers and veinlets of various orientations (generally between 2-5mm wide). Local mm-wide equant-shaped pale grey-white carbonate amygdules (i.e., at 277.6m). No obvious sulfides observed, except for locally ~1% very fine- to fine-grained pyrite disseminations/stringer (at 55 deg tca) localized at upper contact. Intervals of strong talc content appear very pale grey in colour and can be easily scratched with finger nail. Intervals of stronger serpentinization appear black and have a slight waxy feel. Regardless of interval, unit is easily scratched with scribe. Non-magnetic. Unit lacks any consistent fabric orientation(s). Local gouge along some surfaces. Local intermittent brecciation-like textures (i.e., at ~273.0-275.0m). Possible small pillow/salvage-like textures at 278.0-278.7m.	UM	-	-	2	-	057	257.55	258.55	1.00	tr	-			0.082					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D. Heerema & S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO21-066

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		282.16-283.3m: possibly a fine-grained, dark charcoal- black/grey massive dyke or pillows with local chloritic salvages? Strongly magnetic at 246.7-247.1m. EOH at 285m.																			

Printed: March 15, 2022

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	P8384			DOWNHOLE SURVEY METHOD: DeviCo Gyro	REMARKS: No Hex core barrel used (instead used round barrel as Hex barrel was not yet available on site). Oriented core measurements available for 102-265m.
HOLE NO.:	TO21-067	LENGTH (m):	291.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362507.000	EASTING:	471519.500	COLLAR SURVEY BY: DeviCo Rig Aligner	
SECTION:	TZ_1512W	ZONE:	Thomas Ogden	ELEVATION (m):	300.000	DRILLING COMPANY: DrillCo	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	349.0 / -54.5	SURVEYED:	348.990 / -54.341	DATE LOGGED: Oct. 01, 2021 TO Oct. 03, 2021	Core Storage: Polk Farm
HOLE STARTED:	September 19, 2021	HOLE FINISHED:	September 22, 2021	MAG:	10.75º w	LOGGED BY: S.Huebert	Page 1 of 12

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n Index Carb	Alb	%Qtz	Ser	SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	27.00	**OVERBURDEN**																			

(m)	Azimuth	Dip	Date of Test	Time	Avg/In/Out
36	347.74	-54.17	Sept. 20, 2021	12:09 AM	Average
69	347.53	-54.06	Sept. 20, 2021	4:58 AM	Average
96	347.9	-53.65	Sept. 20, 2021	9:54 AM	Average
129	348.27	-53.64	Sept. 20, 2021	8:10 PM	Average
159	349.08	-53.04	Sept. 20, 2021	11:53 PM	Average
192	349.9	-52.39	Sept. 21, 2021	3:44 AM	Average
219	349.26	-52.52	Sept. 21, 2021	9:26 AM	Average
249	348.86	-53.62	Sept. 21, 2021	2:30 PM	Average
285	349.55	-53.29	Sept. 22, 2021	2:18 AM	Average

QA/QC Samples:
TOG-21-67-019 (BLANK) (265.66m)
TOG-21-67-029 (STD) - CDN - GS - 3H (3.04g/t Au) (271.27m)

27.00 42.90 **FRAGMENTAL**

Blocky unit composed of a finer-grained intermediate grey-green chloritic groundmass hosting felsic ash fragments. Groundmass is rather massive and textureless. Fragments are cream to weak beige in colour, ranging in size from 3mm to approximately 6cm. Fragments show clear contacts and elongation at 75 deg tca, with rounded edges creating more football shapes fragments.
Top of the unit to 33.3m is extremely blocky and weathered to a slightly browner colouration with a more tuffaceous

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n Index Carb	Alb	%Qtz	Ser	SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		appearance. Pitting from dissolved carbonates present throughout. Non-magnetic and barren of sulphides. Minor carbonate and occasional fine quartz crystal growth on fractures.																			
42.90	63.90	**TUFF** Well altered and highly foliated unit of intermediate to mafic volcanics with a heterolithic appearance. The unit consists chlorite, sericite, potassic alteration, ankerite and minor quartz. The variability of the unit is broken out into sub units below as the alteration and textures change. 42.90 to 45.30m is a deeper green chlorite section with strong sericite is wisps to stringers to 30%. Sericite-chlorite schist with schistosity @ 60 to 75 deg tca. From 45.30 - 62.40m is a section of moderate foliation with more pervasive potassc and sericite alteration resulting in a soft pinkish-yellow/beige hue. Speckled green chlorite throughout averaging approx 30%, elongate parallel to foliation @ 60 deg tca. Patchy semi-pervasive ankerite locally but also as thin late rosey quartz-ankerite veinlets. These veinlets cut the alteration/foliation of the unit and often show crenulations and small scale folds. Occasional narrow extensional veinlets of calcite. Relatively competent unit with only narrow 10-20 sections of increased fracturing. From 64.3 to 72.90 m is a darker more chloritic section of fragmental? with some ghostly fragments with faint boundaries. Alteration and foliation intensity is weaker here with almost no potassic alt, sericite or ankerite as stringers or bands.																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO21-067

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
63.90	100.66	**FRAGMENTAL** From 63.9 to 100.66m is a darker more chloritic section of fragmental with some ghostly fragments with faint boundaries. Alteration and foliation intensity is weaker here with almost no potassic alt, sericite or ankerite as stringers or bands. Weakly defined fabric at 70 to 60 deg tca (slightly shallows downhole). From 72.90 to 100.66m is essentially a chlorite/sericite-ankerite schist with moderate ankerite and weak hematite; local strong rusty gossan staining (i.e., 96.38-96.94m). The unit is extremely foliated resulting in local areas of sericite stringers to bands. Patchy pervasive ankerite present as well as quartz-ankerite veinlets from 1mm to 2cm in thickness. Most quartz appears dark smokey grey in colour and occurs as slightly attenuated pods/discontinuous lenses stretched preferentially along the schistosity of the host rock. The veinlets consist of white to grey quartz and clotty rusty ankerite, often showing evidence of tectonism in the form of small scale folds. Barren of sulphides and non-magnetic. Areas of remnant and discernable fragments; most evident between 87.60 and 90.0m. Fabric varies between 60 and 70 deg tca. Did not observe mafic dyke as observed in TOG-21-66 around ~74-75m.																			
100.66	152.40	**CHLORITE SCHIST** Top of the drilled unit to 102.81m is a weakly foliated but more massive and speckled section as seen in many other holes (basal section of flow). The rock is deep green and fine-grained with 20-55% sub-hedral to euhedral carb growth as disseminations that in places form weak bands. Unit features	l.dk	v. wk	-	3	-	001	102.81	103.10	0.29	7	-			0.017						
			Chl SCH	m	m	4	-	002	115.91	116.16	0.25	0.5	-			0.002						
			Chl SCH	m	m	4	-	003	124.93	125.57	0.64	3	-			0.056						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO21-067

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

intermittent pale raspberry pink-coloured alteration bands/blebs generally oriented at 60-65 deg tca throughout entire interval. Moderately effervesce with HCl. Strong ankerite alteration averaging approx 35% of interval.

Remainder of the unit is a dark green coloured likely ultramafic protolith, strongly foliated interval of chloritic schist. Chlorite is the most abundant mineral with variable fuchsite and local ankerite. Gradational patches of more talc/serp altered ultramafics; noted below. Rock exhibits strong foliation from 65 degrees tca near the uct grading to 50 degrees tca around the 114m mark and shallowing further to about 20 deg tca at the 117.2m (fabric here is slightly undulatory) before quickly steepening again to 40-55 deg tca after ~118.4m. Unit shows abundant white carb-qtz stringers to bands throughout forming a 'zebra' type texture. Local ptygmatic folds and other plastic deformations observed within white carbonate veinlets. Throughout most of the unit the bands are parallel tca with areas of increased tectonism showing late cross-cutting micro-slips and qtz-carb stringers as well as young extensional quartz veinlets Rock is moderately competent increasing downhole (est. RQD ~80-90%). Trace disseminations of very fine-grained pyrite occur throughout the unit but are very patchy and randomly distributed. Majority of the rock is barren with no visible sulphide.

102.81-103.10m: strongly magnetic black and dark green narrow banded sub-unit (bands are 2mm wide and oriented at 70 deg tca). ~7-10% very fine- to fine-grained pyrite occurs pervasively as both disseminations, and when coarser, as stringers parallel to fabric (70 deg tca). Very pale pinkish quartz blebs/blebby veinlets flanked by dark green stylolitic chlorite occur along upper 3 cm of upper contact of sub-unit (oriented parallel to fabric). No sulfides observed within this veinlet. Pale

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO21-067

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		greyish carbonate-quartz veinlets, collectively at 3 cm wide, flank the lower contact, also sub-parallel to fabric at 65/60 deg tca. This veinlet hosts ~0.1-1% fine-grained yellow subhedral to euhedral pyrite discontinuous stringers/blebs and disseminations. 102.99-103.07: inclusion of UM with weak pale peach-coloured potassic altered qtz-carb blebs. 96.37-96.94m: blocky section with evidence of groundwater movement -40-45% ankerite veinlets between this interval 108.1-108.8m: also shows local moderate to strong ankerite due to groundwater movement. Note: drillers reported 0.1m of core loss, on block tag, at 108.43-108.69m. 115.91 - 116.16 m: intermediate dike upper and lower contacts are sharp (but slightly irregular) @ 70 and 35 deg tca, respectively -dark grey-green chloritic contacts -strong peach coloured potassic overprinting in center associated with late extensional sigmoidal quartz-carb veining -opaque white quartz with 15-20% clotty carbonate -mm-wide black veins ranging from 5-35 deg tca -thin 1-2mm younger quartz-carb veinlets cut dike and older quartz roughly perpendicular @ 50-60 deg tca -~0.5-1% very fine to fine-grained subhedral to euhedral cubic disseminated pyrite - Local zones of moderate to strong fuchsite alteration: 114.0-114.2m, 116.1-116.4m. Local ptygmatic folds preserved in qtz veining. Local ~1-3% fg pyrite disseminations in association within some veinlets in UM.																			

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METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		141.83-150.72m, unit is deep evergreen in colour and has less abundant white carb-qtz veining. Upper ct not well defined, but lower ct appears sharp at 30 deg tca. Soft when scratched with scribe. Local fine-grained yellow subhedral pyrite disseminations occur within chloritic matrix proximal to white qtz carb veinlets. ~7-10% white wispy carbonate-quartz veinlets variably oriented at 20-30, 70 deg tca, and various random orientations. Veins generally ~1mm to 2 cm wide. Non-magnetic 150.72-152.40: possible massive intermediate dyke? Fine-grained ~20% white to pale cream coloured subhedral-anhedral feldspar phenocrysts disseminated throughout unit. Trace fine grained disseminated cubic yellow euhedral pyrite. Sharp lower contact associated with 1.8 cm wide dark green chloritic salvage. Contact occurs at 20 deg tca. Locally very weakly magnetic.																			
152.40	258.48	**ULTRAMAFIC** Overall unit is moderately to locally strongly talc- and serpentine altered ultramafic is soapy to touch and very soft when scratched with scribe, and locally, with a fingernail (i.e., at 152.40-158.7m). Irregular, gradational lower contact. Ultramafic appears dark greenish charcoal-grey in colour with very fine-to fine-grained matrix and variably ribboned with ~5-10% white carbonate+/-quartz veinlets (orientations vary between 5 deg tca and 65 deg tca, widths generally occur within 1 mm and 2 cm, average ~5 mm). Fabric locally flattens so parallel tca (i.e., at 168.6-171.5m. Non-magnetic. Soapy feel is most prominent in intervals with	UM	w	-	85	-	004	253.14	253.34	0.20	tr	-			0.434						
			UM	w	-	3	-	005	253.34	254.34	1.00	-	-			0.020						
			UM	w-m	-	6	-	006	254.34	255.40	1.06	tr	-			0.018						
			UM	w	-	6	-	007	255.40	256.40	1.00	-	-			0.980						
			UM	w	-	10	-	008	256.40	257.00	0.60	-	-			0.048						
			UM	w	-	15	-	009	257.00	257.48	0.48	-	-			0.064						
			UM	m	-	15	-	010	257.48	258.48	1.00	tr	-			0.194						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO21-067

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		relatively less veining as well as in brecciated zones. These intervals can be scratched with a finger nail. Core is poorly to locally moderately competent (est. overall RQD ~60%). Highly broken up zones are especially talc +/- serpentine-rich. Local weak pale green fuchsite occurs with dark brown biotite locally within some brecciated zones. Local fine- to locally very coarse cubic (i.e., up to 1.4 cm wide cubic grains, i.e., at 197.2m) pyrite disseminations observed (locally up to ~1-2%). Pyrite, when present, commonly observed in association with white carbonate stringers, and locally interstitially within some brecciated ultramafic rock fragments (i.e., at 180.7-180.85m). Local patchy wheat-coloured beige colour near lower contact at 257.74-258.16m. Trace fine-grained pyrite observed within carbonatized matrix. Possibly albitization with lesser Fe carbonate. Locally weakly effervesces with HCl. Veining appears to reflect various dynamic stresses, including undulating, sigmoidal styles to wispy extensional, and interstitial veining along localized brecciated regions. No consistent fabric orientation in unit. Local flattening in fabric so parallel tca from ~245-246.25m. Brecciated intervals occur similar to @ 183.2-208.8m. Local crenulations associated with weak pale green fuchsite and white carbonate stringers/veinlets ~3-5mm wide at 40 deg tca). Chlorite Schist interval at 208.36-210.22m. Sharp planar upper and lower contacts occur at 75 and 40 deg tca, respectively. Pervasive dark green, massive, fine-grained unit ribboned with ~5-7% late, brittle white carbonate veinlets/stringers of variable orientations (60, 70, 50, and 90 deg tca, among other random orientations) and generally are 1mm to 1.8cm wide. Locally 70 deg tca veinlets crosscut and displace 20-25 deg veinlets. ~2-																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		3% fine- to medium-grained disseminated cubic pyrite grains scattered throughout unit (mostly throughout chloritic matrix). Moderately soft when scratched with scribe (comparatively harder than surrounding ultramafic). Non-magnetic. Incompetent, highly broken up intervals tend to yield higher talc content: 187.41-188.87m and 191.1-191.75m and 197.62-197.9m and 216.37-217.44m, 227.35-229.73m 214.7-215.64: White carbonate veining with local weak pale green fuchsite bands. Upper contact appears to have multiple small veinlets hosted in ultramafic; upper contact not distinct. Lower contact is sharp and planar at 45 deg tca. ~5-7% of sub-unit contains small ultramafic inclusions and fuchsite wisps that preserve the ductile deformation seen in the ultramafic zone (weakly defined fold nose at 215.44m). Try fine-grained yellow subhedral pyrite disseminations "float" within white carbonate. Unit strongly effervesces with HCl. 242.31-242.51: milky white massive quartz-carbonate vein Vein has sharp planar upper and lower contacts at 70 and 20 deg tca, respectively. ~85-90% veining and ~10-15% small dark greenish grey slightly chloritic ultramafic inclusions, pale cream-coloured carbonate blebs. Unit does not effervesce with HCl - possibly due to silicification overprint. No sulfides observed. 253.14-253.34: milky white massive quartz-carbonate vein Vein has sharp planar upper and lower contacts at 30 and 70 deg tca, respectively. ~85% veining comprises unit. Local pale cream-coloured clots/concentrations of carbonate and a couple of closely spaced dark green chlorite stylolites (oriented at 50 deg tca). Trace very fine- to medium-grained disseminated yellow subhedral pyrite is proximal to, or occurs tangentially to chlorite stylolites (mainly near upper and lower contacts).																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
258.48	260.32	**MAFIC CONGLOMERATE?** Pervasive pale yellow-hued/blonde felsite/brownish mafic conglomerate unit (straw or hay yellow in colour). Locally ribboned with ~5-8% pale grey to white carbonate-quartz veinlets, generally oriented at 60 deg tca and range in width between 1mm and 1.5cm. Some stringers/veinlets are planar and parallel host rock fabric whereas other intervals show ptygmatic veinlets. Intermittent small pods/lenses of smokey grey quartz, with a very subtle, almost blue-ish undertone. Pervasive very fine-grained, subhedral to euhedral, brassy to almost silver-y-coloured, pyrite disseminations scattered throughout matrix, but appear to preferentially concentrate near or tangential to small caramel-coloured carbonate-sericite wisps. Pyrite locally occurs as mm-wide discontinuous stringers/wisps. Locally (~258.8m), up to ~0.5% very fine-grained silver-y coloured slightly amorphous possible arsenopyrite. Due to fineness of grain size, coalescing grains appear slightly amorphous/splotchy in shape. No VG observed. Only very trace very fine- to fine-grained brassy pyrite occurs from 259.41 to 269.80. Overall, moderate to locally strong albitization/Fe carbonate with pervasive weak to moderate silicification and local weak to moderate sericitization. Locally gently crenulated where sericitization seems to be slightly stronger and deeper yellow in colour.	FEL	w	m-s	5-8	-	011	258.48	259.41	0.93	2-3	tr			0.338						
			FEL	w	m-s	5-8	-	012	259.41	260.32	0.91	2-3	-			0.493						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Fabric is moderately developed and generally occurs at 55-60 deg tca. 258.61-258.63m shows plastic deformation and crenulation textures. Sharp, altered lower contact at 260.32m is 60 deg tca,																			
260.32	263.10	**ULTRAMAFIC** Pale grey, fine-grained unit. Pervasively moderately to strongly talc-altered. Soft, but gets harder downhole when scratched with a scribe. No consistent or distinct fabric. ~0.5-1% wispy white carbonate stringers. Locally very weakly effervesces with HCl. Non-magnetic. Sharp lower contact at 65 deg tca.	UM	v. wk	-	0.5	-	013	260.32	261.10	0.78	-	-			0.115					
			UM	-	-	0.5	-	014	261.10	262.10	1.00	-	-			0.102					
			UM	-	-	0.5	-	015	262.10	263.10	1.00	-	-			0.262					
263.10	269.75	**FELSITE** Unit is generally pale mauve-ish grey and very siliceous. Fine-grained matrix. Very fine to fine-grained disseminated yellow cubic pyrite is generally ubiquitous throughout siliceous matrix as well as in most ~0.5 cm wide white carbonate-quartz extensional stringers/veinlets. 263.1-263.84m: medium peach in colour with intermittent black chloritic sutures/stylolites 263.84-268.84: pale mauve-ish grey, siliceous, fine-grained. Pervasive very fine to fine-grained disseminated yellow subhedral cubic pyrite occurs throughout matrix and within most narrow white quartz-carbonate stringers (oriented at 45, and 50-60 deg tca). Stringers also tend to have small clots of dark green chlorite throughout them. Local brecciation textures in	FEL	w	m-s	0.5	-	016	263.10	263.84	0.74	0.5	-			0.019					
			FEL	w	m-s	1-2	-	017	263.84	264.80	0.96	2-3	-			2.160					
			FEL	w	m-s	0.5	-	018	264.80	265.66	0.86	3-4	-			1.180					
			BLANK					019	265.66	265.66	0.00					0.005					
			FEL	w	m-s	0.5-1	-	020	265.66	266.48	0.82	0.5-1	-			0.337					
			FEL	w	m	35	-	021	266.48	266.81	0.33	1-2	-			0.518					
			FEL	w	m-s	3-4	-	022	266.81	267.82	1.01	1-2	-			0.742					
			FEL	w	m-s	5-8	-	023	267.82	268.84	1.02	0.5-1	-			0.112					
			FEL	w-m	-	7-10	-	024	268.84	269.09	0.25	1-2	-			1.800					
			FEL	w-m	m	0.5	-	025	269.09	269.38	0.29	4-5	-			3.850					
			FEL	w	m-s	1	-	026	269.38	269.75	0.37	3-4	-			2.870					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		267.82-268.84m. Trace fine-grained anhedral pyrrhotite blebs also present within this interval, usually proximal or tangential to pyrite disseminations. 268.84-269.09m: sheared chloritic ultramafic with ~5% white wispy carbonate stringers generally sub-parallel to fabric at 45-50 deg tca. Local lensoid/pods of white quartz have tails showing kinematic sense of movement. Trace fg-mg pyrite disseminations within local carbonate veinlet. 269.09-269.38m: appears to be an albitized and strained conglomerate due to presence of ~10% cream to honey mustard yellow-coloured clasts with tapered ends. Pervasive very fine-grained disseminated pyrite occurs as discontinuous stringers/wisps, oriented at 55-60, parallel to fabric. 269.38-269.75m: pale mauve-ish grey, siliceous, fine-grained with ~0.5-2% blebby white quartz. No particularly strong or consistent fabric. No VG observed in this zone.																			
269.75	291.00	**ULTRAMAFIC** Dark greenish grey and subtly grades to deeper green hue towards end of hole. Fine-grained matrix with ~5-10% white wispy carbonate extensional stringers scattered throughout unit at various orientations and generally ~<1 cm, with odd veinlet at 2.6 cm wide. Local pale cream-coloured calcite veinlet at 4 cm wide at 55 deg tca. Slight shearing at upper contact (269.8-270.26m) - carbonate stringers here tend to be parallel to shear fabric at 55-60 deg tca. Fault with silty gouge present at 269.8m (85 deg tca contact).	UM	w	-	5-8	-	027	269.75	270.26	0.51	tr	-			3.290					
			UM	w	-	2-3	-	028	270.26	271.27	1.01	tr	-			0.076					
			STD					029	271.27	271.27	0.00										

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO21-067

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Near upper contact, 269.8-270.26m, appears moderately sheared at 55 deg tca due to strong fabric, increased chlorite content, and more abundant carbonate-quartz veining relative to the rest of the unit. Patchy weak to moderate dark blackish grey serpentinization and lighter grey-hued talc alteration. Very soft when scratched with scribe. Can slightly scratch with fingernail from top of unit down to ~279.0m. Non-magnetic. Local small white carbonate amygdule-like blebs. Moderately to strongly effervesce with HCl. Intermittently within the last ~3 boxes of the hole are black anastomosing black chlorite/biotite salvages (non-magnetic and very soft when scratched with scribe). Core is generally competent (est. RQD ~70%) with local highly broken up, and talc-altered, interval at 289.38-291.0m. No sulfides observed. No consistent or strong fabric observed throughout unit. EOH at 291.0m.																			

Printed: March 15, 2022

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	P8384			DOWNHOLE SURVEY METHOD: DeviCo Gyro	REMARKS: No Hex core barrel used (instead used round barrel as Hex barrel was not yet available on site). Obtained oriented core measurements between 245 and 247m (very narrow sediment zone).
HOLE NO.:	TO21-068	LENGTH (m):	306.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362507.000	EASTING:	471520.000	COLLAR SURVEY BY: DeviCo Rig Aligner	
SECTION:	TZ_1493W	ZONE:	Thomas Ogden	ELEVATION (m):	300.000	DRILLING COMPANY: DrillCo	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	354.0 / -55.0	SURVEYED:	354.170 / -55.113	DATE LOGGED: Oct. 04, 2021 TO Oct. 07, 2021	Core Storage: Polk Farm
HOLE STARTED:	September 22, 2021	HOLE FINISHED:	September 23, 2021	MAG:	10.75° w	LOGGED BY: S.Huebert	Page 1 of 13

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n Index Carb	Alb	%Qtz	Ser	SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	27.00	**OVERBURDEN**																			

(m)	Azimuth	Dip	Date of Test	Time	Avg/In/Out
36	356.29	-53.96	Sept. 22, 2021	3:22 PM	Average
69	356.82	-53.91	Sept. 22, 2021	7:48 PM	Average
99	356.46	-54.02	Sept. 22, 2021	9:58 PM	Average
129	357.22	-53.53	Sept. 23, 2021	12:47 AM	Average
159	357.24	-53.31	Sept. 23, 2021	4:06 AM	Average
186	357.72	-53.83	Sept. 23, 2021	9:18 AM	Average
216	356.87	-54.42	Sept. 23, 2021	12:50 PM	Average
246	354.12	-55.07	Sept. 23, 2021	4:18 PM	Average
279	354.4	-55.5	Sept. 23, 2021	10:46 PM	Average

QA/QC Samples:

TOG-21-068-016 - 256.34m - (BLANK)
TOG-21-068-018 - 257.30m - (STD) - CDN - CM - 2

27.00	46.24	**FRAGMENTAL** Blocky unit composed of a finer-grained intermediate grey-green chloritic groundmass hosting felsic ash fragments. Groundmass is rather massive and textureless. Fragments are cream to weak beige in colour, ranging in size from 3mm to approximately 6cm. Fragments show clear contacts and elongation at 60 to 80 deg tca, with rounded edges creating more football shaped fragments. Top of the unit to 39.25m is extremely blocky; from 27-33.8m, the core also has weathered to a slightly browner colouration																			

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		with a more tuffaceous appearance. Pitting from dissolved carbonates present throughout. 43.61-43.94m: Massive, fine-grained, greenish grey dyke. Sharp upper and lower contacts at 70 and 80 deg tca, respectively. Non-magnetic. Can be scratched with scribe. 43.94-45.94: Shear zone with well-developed fabric, ribboned with pervasive pale yellow sericite stringers/wisps, oriented parallel to fabric at 75 deg tca. Medium mossy green-coloured fine-grained matrix. ~3-5% ~1 cm wide pale grey carbonate-quartz stringers parallel to fabric of shear. Local bright salmon-coloured potassic alteration of stringer. No sulfides observed. Non-magnetic. 45.94-46.24m: Very fine-grained, massive dark green chloritic matrix with large pale pink-hued fragments (~5 cm x 1.8 cm) which are slightly elongated along same orientation as above shear. Fragments still retain slight bulbous shape. Moderately soft when scratched with scribe. Non-magnetic. Gradational lower contact. Non-magnetic and barren of sulphides. Minor carbonate and occasional fine quartz crystal growth on fractures.																			
46.24	65.95	**TUFF** Well altered and highly foliated unit of intermediate to mafic volcanics with a heterolithic appearance. The unit consists chlorite, sericite, potassic alteration, ankerite and minor quartz. The variability of the unit is broken out into sub units below as the alteration and textures change.																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO21-068

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

39.25 to 45.00m is a deeper green chlorite section with strong sericite is wisps to stringers to 50%. Sericite-chlorite schist with schistosity @ 80 deg tca.

From 45.00 - 61.55m is a section of moderate foliation with more pervasive potassic and sericite alteration resulting in a soft pinkish-yellow/beige hue. Speckled green chlorite throughout averaging approx 30%, elongate parallel to foliation @ 60 deg tca. Patchy semi-pervasive ankerite locally but also as thin late rosey quartz-ankerite veinlets. These veinlets cut the alteration/foliation of the unit and often show crenulations and small scale folds. Occasional narrow extensional veinlets of calcite. Relatively competent unit with only narrow 10-20 sections of increased fracturing.

From 61.55-65.25m: appears moderately to strongly bleached relative to rest of unit. Generally pale greenish grey in colour with local weak orange Fe carbonate alteration, pale salmon pinkish potassic alteration and rarely, pale yellow sericite stringers/threads. Core locally blocky/jointed every ~2-6 cm. Local weak gossan-like appearance due to water movement/Fe carbonate alteration. In this interval, local small pitted texture due to dissolution. ~30% small dark green chlorite clots pervasively scattered throughout matrix. No sulfides observed. Moderately developed fabric at 70 deg tca,

From 65.25 to 74.90m is a darker more chloritic section of fragmental? with some ghostly fragments with faint boundaries. Alteration and foliation intensity is weaker here with almost no potassic alt, sericite or ankerite as stringers or bands. Can scratch with scribe (moderately soft). Non-magnetic.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO21-068

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
65.95	103.53	**FRAGMENTAL**																			

From 74.90 to 81.05m: Upper part of unit still dark green but quickly lightens downhole. ~0.5% narrow white to locally pale pinkish extensional quartz-carbonate stringers/blebby veinlets at mostly 40 deg tca, as well as less commonly at 70 deg tca (1mm to 3.5 cm); some narrower stringers occur with local rusty orange coloured Fe carbonate patches. No sulfides observed. Foliation of unit generally ~65 deg tca.

From 81.05 to 81.38m: Massive greenish grey fine-grained intermediate? dyke with sharp upper and lower contacts at (slightly broken upper contact) and 65 deg tca. ~30% fine-grained pale cream-coloured anhedral feldspars - some locally weakly potassic altered (salmon pink-hued). Can scratch with scribe. Non-magnetic.

81.38-86.39m: Is essentially a chlorite/sericite schist with moderate to locally strong ankerite (i.e., at 85.84-86.34m) and weak hematite.~1-2% white blebby quartz-carbonate discontinuous stringers/amorphous blebs, mostly not conforming to shear fabric orientation. Soft when scratched with scribe. Non-magnetic.

The unit is extremely foliated at 60 deg tca resulting in local areas of bright pale yellow sericite stringers to bands. Patchy pervasive ankerite present as well as quartz-ankerite veinlets from 1mm to 5cm in thickness. The veinlets consist of white quartz and clotty rusty ankerite, often showing evidence of tectonism in the form of small scale folds. Barren of sulphides and non-magnetic. Areas of remnant and discernable fragments; most evident between 83.26 and 97.70m.

Local 55 deg tca quartz-carbonate stringer crosscuts an oppositely dipping stringer at 45 deg tca ~89.2-89.35m. Both

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		stringers have wheat-beige albitization-Fe carbonate coloured ~1 cm wide alteration haloes (locally very weakly effervesce with HCl). 80.5-80.7m: broken up and Fe carbonate-altered incompetent core - fabric occurs @ 65 deg tca 99.74-103.53m: basically a chloritized schist with pervasive ribbons/stringers/narrow bands of pale yellow sericite, oriented parallel along shear fabric ~65 deg tca. ~1-2% white blebby quartz-carbonate veinlets between 2mm and 2.9 cm, generally semi-conformable to shear fabric. Local bands of sericitization superficially yield a net-texture with small ovoid-shaped smokey grey to white quartz blebs. Locally, blebs take on deep rusty orange coloration due to Fe carbonate alteration. Trace very fine-grained pyrite disseminations "floating" within rare quartz bleb. Can scratch with scribe. Non-magnetic. Local intermediate dykelet occurs at 101.58-101.62m with sharp planar upper and lower core angles at 60 and 55 deg tca (appears same as above dyke at 81.05m, mineralogically and texturally). Sharp planar lower contact at 55 deg tca.																			
103.53	119.43	**CHLORITE SCHIST** Top of the drilled unit to 106.79m is a weakly foliated but more massive and speckled section as seen in many other holes (basal section of flow). The rock is deep green and fine-grained with 20-55% sub-hedral to euhedral carb growth as disseminations that in places form weak bands. Strong ankerite alteration averaging approx 35% of interval. Pinkish/purple potassic alteration also, especially concentrated within blebby quartz-carbonate veining between 106.16-106.79m (locally also associated with deep rusty orange Fe carbonate alteration).																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO21-068

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Local trace very fine-grained brassy pyrite stringers/disseminations flank lower contact and a smokey grey, almost blue-ish, coloured quartz veinlet oriented at 50 deg tca (parallel to lower contact of this interval). Remainder of the unit is a dark green coloured likely ultramafic protolith, strongly foliated interval of chloritic schist. Chlorite is the most abundant mineral with variable fuchsite and local ankerite. Gradational patches of more talc/serp altered ultramafics; noted below. Foliation is well defined by ~15% white wispy carbonate-quartz stringers and veinlets semi-conformable to foliation at 40-50 deg tca. Local plastic deformation textures preserved such as ptygmatic folding and micro-crenulations. Soft when scratched with scribe. Non-magnetic. Rock is moderately competent increasing downhole. Trace disseminations of very fine-grained pyrite occur throughout the unit but are very patchy and randomly distributed. Majority of the rock is barren with no visible sulphide.																			
119.43	127.22	**FELSIC DYKE (FELSITE?)** Variably peach to light caramel beige in colour with pervasive sigmoidal white quartz-carbonate veinlets at varying orientations. Very fine-grained, to less commonly, fine-grained disseminated brassy yellow cubic pyrite occurs mainly throughout the peach-beige coloured altered matrix of the unit. Chlorite Schist band at 125.43-126.06m. Foliation @ 35 deg tca. Upper and lower contacts at 30 and 25 deg tca, respectively. ~15% of unit comprises white tensional and sigmoidal white quartz-carbonate veinlets. Veinlets vary in width between 1mm and 3.5 cm. Sigmoidal veinlets undulate gently so sub-parallel	FEL	w	w-m	7	-	001	125.52	126.00	0.48	2-3	-			0.006					
			FEL	w	m-s	15	-	002	126.00	126.63	0.63	3-5	-			0.018					
			FEL	w	m-s	12	-	003	126.63	127.22	0.59	3-5	-			0.010					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		to core axis while other vein orientations include, but are not limited to, 45, 55, and 65 deg tca. Local late mm-wide brittle structures infilled with white carbonate at 10-15 and 30 deg tca (no sulfides observed); some late structures crosscut and displace veinlets oriented at 45-65 deg tca. Quartz veinlets generally devoid of sulfides, but occasionally have sulfides flanking along, or tangential to their contacts. Veining commonly associated with altered subangular host rock breccia fragments. Pervasively siliceous - cannot easily scratch with scribe. Pervasive moderate to strong albitization and weaker Fe carbonate (locally very weakly effervesces with HCl, however may be imprinted by pervasive silicification). Late brittle fractures appear to be infilled with dark blackish green chlorite. Non-magnetic. No consistent or strong fabric is preserved within the dyke - likely due to stronger alteration. Upper contact is irregular and weakly crenulated so parallel to hosting chlorite schist fabric. Lower contact is relatively more sharp and planar at 30 deg tca.																			
127.22	151.42	**CHLORITE SCHIST** Dark green, fine-grained matrix ribboned with ~15% white carbonate-quartz extensional veining, varying in width between 1mm and 1.5 cm, and generally oriented so parallel to fabric, between 40 and 50 deg tca. Rare veinlet dips in opposite direction at 60 deg tca (~146.1m). Fabric flattens around 146m, to 20 deg tca. Weak bleaching from 127.22-~149m. Intervals where matrix is deepest green in colour are softest to scratch with scribe.																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Interval is non-magnetic. Downhole of ~140.9m, abundance of veining decreases to ~5-10%. Remainder of the unit is a dark green coloured likely ultramafic protolith, strongly foliated interval of chloritic schist. Chlorite is the most abundant mineral with variable fuchsite and local ankerite. Gradational patches of more talc/serp altered ultramafics; noted below. Foliation is well defined by ~15% white wispy carbonate-quartz stringers and veinlets semi-conformable to foliation at 40-50 deg tca. Local plastic deformation textures preserved such as ptygmatic folding and micro-crenulations. Soft when scratched with scribe. Non-magnetic. Lower contact at 30 deg tca.																			
151.42	246.24	**ULTRAMAFIC** Overall unit is moderately to locally strongly talc- and serpentine altered ultramafic is soapy to touch and very soft when scratched with scribe, and locally, with a fingernail (i.e., at 154.87-156m, 170.75-173.33m, 182.4-183.0m, 183.8-184.2m, & 195.45-199.77m, 209.25-212m, 216-219m 231-233m). These intervals usually yield incompetent core. Ultramafic appears dark greenish charcoal-grey in colour with very fine-to fine-grained matrix and variably ribboned with ~5-10% white carbonate+/-quartz veinlets (orientations vary between 5 deg tca and 70 deg tca, widths generally occur within 1 mm and 2 cm, average ~5 mm). Fabric locally flattens so parallel tca (i.e., at 162-168m, ~227.3-230.7m). Non-magnetic. Soapy feel is most prominent in intervals with	UM	20	-	5	-	004	245.24	246.24	1.00	-	-			0.862					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		relatively less veining as well as in brecciated zones. These intervals can be scratched with a finger nail. Core is poorly to locally moderately competent (est. overall RQD ~50%). Highly broken up zones are especially talc +/- serpentine-rich. Local weak pale green fuchsite occurs with dark brown biotite locally within some brecciated zones. Local fine- to locally medium-grained cubic pyrite disseminations observed (locally up to ~1-2%). Pyrite, when present, commonly observed in association with white carbonate stringers. Veining appears to reflect various dynamic stresses, including undulating, sigmoidal styles to wispy extensional, and interstitial veining along localized brecciated regions. No consistent fabric orientation in unit. Brecciated intervals occur similar to @ 156-168m. 189.7-191.14m: White carbonate veining with local weak pale green fuchsite bands. Upper contact appears to have multiple small veinlets hosted in ultramafic; upper contact not distinct. General fabric ~20 deg tca. Intermittent subrounded dark grey brecciated ultramafic fragments throughout unit. Lower contact is sharp and planar at 35 deg tca. ~5-7% of sub-unit contains small ultramafic inclusions and fuchsite wisps that preserve the ductile deformation seen in the ultramafic zone. Tr fine- to medium-grained yellow subhedral pyrite disseminations "float" within white carbonate. Unit strongly effervesces with HCl. Last couple of rows of core in unit appear increasingly sheared and carbonatized (veinlets parallel to fabric at 40-45 deg tca) appear very pale greyish beige in colour). Sharp lower contact at 50 deg tca.																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Near the lower contact, veinlets are generally between 5mm and 2 cm, mostly parallel to host rock fabric at 65-70 deg tca. Local wider carbonate veinlets tend to present trace to weak pale green fuchsite wisps.																			
246.24	246.73	**FELSITE** Host rock is well foliated (60 deg tca) and altered felsite dyke. Host rock's altered matrix takes on peach to pale buff/wheat beige colour due to pervasively moderate to strong albitization/silicification and lesser carbonatization (locally weakly effervesces with HCl). ~15-20% white tensional quartz-carbonate veinlets occur at various orientations (40, 50-55, 30-35 deg tca). ~40-50% of veinlets bear small clots of dark green chlorite. Local late en echelon white quartz-carbonate filled gashes locally crosscut some ~40-50 deg tca veinlets. Veinlets generally do not host any significant sulfides. ~1-2% very fine to fine-grained disseminated subhedral brassy cubic pyrite occurs mainly throughout the matrix. Sharp upper and lower contacts occur at 50 deg tca. Hard when scratched with scribe.	FEL	w	m-s	15-20	m-s	005	246.24	246.73	0.49	1-2	-			0.229						
246.73	253.43	**ULTRAMAFIC** Dark greenish grey, very fine-grained to massive, variably serpentine- and talc-altered ultramafic. Can scratch with fingernail. ~1 to locally 5% light grey carbonate stringers of varying orientation (reflect varying degrees of plastic deformation). Local white quartz-carbonate blebby veinlets/blebs occur near lower contact. No sulfides observed. Very weakly defined fabric in general, when slightly stronger, it is ~50-60 deg tca. Non-magnetic.	UM	tr-w	-	2	-	006	246.73	247.73	1.00	-	-			0.397						
			UM	w	-	4-5	-	007	247.73	248.73	1.00	-	-			0.646						
			UM	tr	-	tr	-	008	248.73	249.73	1.00	-	-			0.002						
			UM	tr	-	0.5-1	-	009	249.73	250.70	0.97	-	-			0.002						
			UM	tr-w	-	ground	-	010	250.70	251.65	0.95	-	-			0.002						
			UM	tr	-	0.5-1	-	011	251.65	252.43	0.78	-	-			0.013						
			UM	tr	-	2-3	-	012	252.43	253.43	1.00	-	-			0.045						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Ground core at 250.7-251.65m is strongly talc-altered and quite soft and pale green in colour.																			
253.43	255.33	**FELSITE** Host rock takes on pale greyish lilac purple hue with pale beige patches due to pervasive strong silicification and albitization. Hard when scratched with scribe. Local weak carbonatization weakly effervesces with HCl. ~20-30% milky white quartz-carbonate veining throughout unit. Local irregular veinlets/threads of dark green altered ultramafic inclusions. Like the upper felsite interval, milky white quartz veining occurs pervasively and shows tensional features like altered brecciated fragments. Quartz-carbonate veinlets vary in width between 2mm and ~6.5 cm. Local clots of dark green chlorite occur within larger veins. Orientations are highly variable, some commonly occurring ones include 20, 70-80 deg tca. Comparatively less sulfides occur in this unit than the upper felsite interval. ~0.5-1% very fine to medium-grained brassy amorphous pyrite observed between 253.43-254.3m. Trace pyrite observed in 254.3-255.33m. Local black stylolites, oriented at 65 deg tca, have minor fine-grained pyrite tangentially along them. Pyrite seems to be concentrated within local blebs of white quartz-carbonate (no planar orientation can be ascertained), or within the pale greyish lilac altered matrix. 254.59-254.75m appears dark green due to local moderate to strong chloritization. Very soft when scratched with scribe. Non-magnetic. Similar, smaller patch of chloritization occurs near upper contact.	FEL	w	m-s	25-30	tr	013	253.43	254.30	0.87	0.5-1	-			0.069					
			FEL	w	m-s	20-25	tr-w	014	254.30	255.33	1.03	tr	-			0.041					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Cannot determine upper contact due to incompetent core. Lower contact is very irregular and defined by interfingering of white quartz-carbonate offshoot veinlets. Unit lacks consistent or well-preserved fabric throughout host rock.																			
255.33	306.00	**ULTRAMAFIC** Very fine-grained, dark greenish grey matrix ribboned with ~5-15% white wispy carbonate veinlets, varying in orientation between 20 and 35 deg tca, and generally <~2 cm wide. Fabric flattens locally after 259m downhole. After 270, veinlets steepen to ~45-50 deg tca. Fabric flattens to 15 deg tca downhole of ~300m. RQD seems to improve downhole of ~291m. Overall est. RQD ~70%. Intensity of talc alteration seems to lessen downhole of this meterage as well - core is harder. Non-magnetic. Variably talc- and serpentine-altered. Very soft when scratched with scribe, and usually fingernail. No significant sulfides observed. Local dark charcoal grey massive dyke at 300.25-301.97m. Sharp upper and lower contacts at 20 and 55 deg tca. Non-magnetic. Very soft when scratched with scribe or fingernail. Possible zone of stronger serpentinization? Fault with gouge at 50 deg tca - pale mossy grey green gouge at 259.3-259.35m EOH at 306.0m.	UM	tr-w	-	1-2	-	015	255.34	256.34	1.00	-	-			0.011						
			BLANK						016	256.34	256.34	0.00					0.005				
			UM	tr	-	2-3	-		017	256.34	257.30	0.96	-	-			0.002				
			STD						018	257.30	257.30	0.00					1.420				

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO21-068

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

Printed: March 16, 2022

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	P8384			DOWNHOLE SURVEY METHOD: DeviCo Gyro	REMARKS: Hex core barrel not used - instead round stabilizer barrel used. Note: 166-261m have oriented core measurements.
HOLE NO.:	OG21-069	LENGTH (m):	261.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362507.000	EASTING:	471519.500	COLLAR SURVEY BY: DeviCo Rig Aligner	
SECTION:	TZ_1512W	ZONE:	N/A	ELEVATION (m):	300.000	DRILLING COMPANY: DrillCo	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	349.0 / -46.0	SURVEYED:	348.860 / -46.098	DATE LOGGED: Oct. 01, 2021 TO Oct. 11, 2021	Core Storage: Polk Farm
HOLE STARTED:	September 24, 2021	HOLE FINISHED:	September 26, 2021	MAG:	10.75° w	LOGGED BY: S.Huebert, & M.MacIsaac	Page 1 of 16

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n Index Carb	Alb	%Qtz	Ser	SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	30.00	**OVERBURDEN**																			

QA/QC Samples:

TOG-21-069-019 - BLANK (179.0m)
TOG-21-069-029 - STD (186.52m) - CDN - GS - 3H (3.04g/t Au)
TOG-21-069-039 - BLANK (194.8m)
TOG-21-069-058 - STD (211.50m) - CDN - CM - 2 (1.42 g/t Au)
TOG-21-069-061 - BLANK (213.5m)
TOG-21-069-079 - BLANK (230.07m)
TOG-21-069-089 - STD - Accurassay VMS4 (1415 ppb Au) (239.0m)

(m)	Azimuth	Dip	Date of Test	Time of Test	In/Out/Av
39	348.61	-45.96	Sept. 24, 2021	3:45 PM	Average
72	349.25	-45.76	Sept. 24, 2021	8:30 PM	Average
102	349.24	-46.17	Sept. 24, 2021	11:11 PM	Average
132	349.26	-47.17	Sept. 24, 2021	2:07 AM	Average
159	348.06	-47.6	Sept. 25, 2021	12:30 PM	Average
192	347.8	-47.67	Sept. 25, 2021	10:20 PM	Average
222	349.03	-47.85	Sept. 26, 2021	3:27 AM	Average

30.00 59.67 **INTERMEDIATE TUFF**

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert, & M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: N/A HOLE NO.: OG21-069

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Upper portion to 33.4m is extremely fractured with minor gouge seams and a weathered appearance. Discoloured as a result of weathering and fe-carb staining. From approx 30.0 to 38.4m predominantly fragmental with fragments upto 10cm, angular and mafic to intermediate in composition with matrix mafic in composition. Extremely fractured and pitted as a result of groundwater. From approx 38.4 to 59.20m is a well defined weakly to moderately foliated tuff with approx 35% black speckled chlorite within an fe-carb and chlorite altered and moderately foliated groundmass. The Fe-carb is found mainly as stringers and clots. Late quartz boudins and irregular stringers intrude through also. Prominent foliation@75 deg to c.a. prominent increase in foliation @41m.																			
59.67	66.50	**FOLIATED MAFIC TUFF** Dark green, fine grained and moderately foliated @ 65 deg. To c.a. Moderate to locally pervasive chlorite alteration throughout. Relatively unmineralized and minor quartz veinlets. Unit is moderately to strongly fractured with associated hematite indicating a possible fault zone..																			
66.50	96.44	**INTERMEDIATE TUFF** Well defined weakly to moderately foliated tuff with approx 35% black speckled chlorite within an fe-carb and chlorite altered and moderately foliated groundmass. The Fe-carb is found mainly as stringers and clots. Late quartz boudins and irregular stringers intrude throughout. Abundant fe-carb staining, chlorite and more localized quartz porphyroblasts and sericite banding.																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert, & M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: N/A HOLE NO.: OG21-069

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		The unit is foliated at 75-80 degrees tca with a green/rust colour. Numerous thin qtz./carb stringers and knots between 79 and 87.20m. From approx 91.70 to 94.40m is a section of strong sericite banding associated with stronger quartz porphyroblasts. Quartz veins are common contain abundant fe-carb exhibiting a brownish coloration. Bands of mustard yellow sericite common upto 1cm. Relatively sharp lower contact @ 80 deg. To c.a.																			
99.44	111.50	**CHLORITE SCHIST** This is an extremely foliated unit that resembles the way an ultramafic gets foliated and ribboned by white qtz/felds/carb. The unit has undergone strong chlorite alteration with minor fuchsite that results in a very distinct green colouration. Parts of the unit are slightly darker with slight serpentine alteration and a typical peridotite specked appearance. The unit is intruded fairly heavily by white quartz/felds/carb stringers at random angles to ca as well as showing evidence of deformation through locally prominent S and Z folding. Quartz veins commonly contain trace to 0.5% finely disseminated pyrite and commonly are fe-carb altered with brown staining. Gradational lower contact with ultramafics. 108.2-108.5 Fault gouge, strong black chlorite, fe-carb alteration																			
111.50	166.00	**ULTRAMAFICS** Typical ultramafics of this area. Strongly foliated with tremendous amounts of qtz/feldspar stringers and veinlets. The unit is generally soft and talcy along with major serpentine alteration. Below 125m the rock contains pale blue/green serpentine stringers and clots within the qtz/felds stringers. First 15m of unit is moderately harder than typical soft ultramafic.																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert, & M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: N/A HOLE NO.: OG21-069

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Occasional patch of carbonate alteration. Deep green/blue/black colour. Non-magnetic and unmineralized. The foliation is variable but starts off steeper at approx 60 degrees tca but shallows to parallel tca by 191m. Foliation at the base of the unit is approx 55 degrees tca. Between 169 and 200m the rock contains approx 60% white/blue/green qtz/felds/serp stringers. Boudined quartz stringers and veinlets as well as quartz porphyroblasts and strain shadows present. 114.97 - 115.35m: felsic dike, irregular contact. -fine-grained and a pinkish/peach colour -patchy and irregular black chlorite -trace to 1% fine disseminated pyrite 125.46-125.7 Intermediate dike @ 83 deg tca. 0.5% cubic pyrite. 134.8 - 135.10m: fault gouge at approx 40 degrees tca -strong clay alteration, strongly fractured. 157.00-158.2 Silicified zone with moderate fuchsite, fine grained. Irregular contact.																			
165.10	167.59	**ULTRAMAFIC** 165.1-166.9m: Dark green chloritic ultramafic. Lacks strong/consistent fabric. Starting at 165.94m, fabric intensity gradually increases downhole with orientations varying from 65 deg tca to 55 deg tca to 60 deg tca to 35 deg tca near upper contact of sheared interval. Interval is more chloritic and is softer when scratched with scribe compared to upper part of unit.	UM	-	-	1-2	-	001	165.10	165.94	0.84	0.5	-			0.074					
			UM	tr	-	5	-	002	165.94	166.90	0.96	0.5-1	-			0.005					
			UM	tr	-	0.5	-	003	166.90	167.59	0.69	-	-			0.007					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert, & M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: N/A HOLE NO.: OG21-069

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		~1-2% white quartz ovoid pods/discontinuous lenses/odd stringer between 165.1-165.94m. Tr fg yellow pyrite disseminations observed within dark green matrix. ~5-8% white qtz-carb stringers/veinlets/blebs mostly parallel to fabric from 165.94-166.9m. Near ~165.94-166m, local mm-wide vfg-fg py stringers oriented at 70 deg tca. Sulfides not as common downhole within this sub-interval. 166.9-167.59m: Strongly sheared ultramafic contact before sediments. Abruptly strongly sheared starting at 166.9m (35 deg tca). Shear fabric grades from 50 to 60 deg tca, downhole. Sharp planar lower contact at 35 deg tca. Intermittent weak to moderate crenulated fabric intensity. Interval takes on banded/zebra-like appearance (mossy medium green with pale cream carbonate +/-qtz stringers 1mm (mostly) to 1.5 cm, parallel to shear fabric. Non-magnetic.																			
167.59	169.29	**ARGILLITE** Unit has consistent black and very dark mauve-hued grey laminated appearance with pervasive and abundant vfg-fg yellow pyrite stringers oriented parallel to fabric. ~15% pyrite occurs predominantly as narrow continuous stringers (0.5-9mm wide - average width ~2-3mm), parallel to fabric, Odd isolated grain of pyrite within or tangential to stringer is medium-grained and subhedral. Intermittent discontinuous pyrite blebs have slight ovoid shape and appear slightly stretched so parallel along fabric. Local grey carb veinlet bears ~1 cm wide very fine-grained pyrite clusters. Micro, mm-long, white tensional carb tension gashes proximal to veinlet (crosscut fabric at orthogonal angle).	ARG	-	-	tr	-	004	167.59	168.30	0.71	15	-			0.082					
			ARG	-	-	0.5-1	-	005	168.30	169.29	0.99	15	-			0.396					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert, & M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: N/A HOLE NO.: OG21-069

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Trace carb-quartz stringers. No sulfides observed within when present. Either oriented parallel to fabric or crosscutting at ~20-25 deg tca. Sharp upper contact at 35 deg tca. Fabric orientations going downhole grade from 30 deg tca to 50 to 65 to 55 deg tca. Cannot measure lower contact due to highly broken core at lithology change. Local micro-slip (~55 deg tca) at 167.90m crosscuts and displaces mm-wide white carb-qtz stringer oriented at 25 deg tca. Also truncates local py blebs/stringers. Non-magnetic.																			
169.29	179.00	**CONGLOMERATE** Heterogeneous/heterolithic conglomerate with localized alteration of varying types and intensities (see below for detailed breakdown). Clasts are generally stretched/attenuated along the plane of foliation and locally ghosted depending on alteration intensity. Top of unit to ~174.26m moderately to strongly effervesces with HCl pervasively (downhole of this point, unit is more strongly silicified). Cannot easily scratch with scribe, downhole of ~172.73m. No VG observed. Vfg-mg pyrite and trace chalcopyrite (latter found at 174.44m) 169.29-171.73m: Mafic or dark green clast-dominant conglomerate Medium mossy green matrix with cream-coloured or olive green coloured clasts. Trace fine-grained pyrite. ~5-8% mm-wide pale grey to white quartz-carbonate stringers generally	CONGL	w	-	0.5-1	-	006	169.29	170.28	0.99	tr	-			0.009					
			ARG	tr	-	5-10	-	007	170.28	170.46	0.18	5-8	-			0.077					
			CONGL	w	-	5-8	-	008	170.46	171.73	1.27	tr	-			0.007					
			CONGL	w-m	-	3-5	-	009	171.73	172.12	0.39	0.5	-			0.037					
			CONGL	m	w	tr	-	010	172.12	172.73	0.61	0.5	-			0.048					
			CONGL	tr-w	w	tr	-	011	172.73	173.25	0.52	0.5	-			0.096					
			CONGL	tr-w	w-m	3-5	-	012	173.25	174.26	1.01	0.5	-			5.080					
			CONGL	tr	m-s	5-8	-	013	174.26	175.10	0.84	5-7	-			0.461					
			CONGL	tr	m-s	3-4	tr	014	175.10	176.15	1.05	2-3	-			0.195					
			CONGL	tr	m-s	2-3	m	015	176.15	176.57	0.42	3-5	-			0.292					
			CONGL	tr	m-s	tr	s	016	176.57	177.00	0.43	tr	-			0.055					
			CONGL	tr	m-s	2-3	m-s	017	177.00	177.98	0.98	tr-0.5	-			0.265					
			CONGL	w	s	0.5-1	w	018	177.98	179.00	1.02	0.5	-			0.052					
			BLANK					019	179.00	179.00	0.00					0.007					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert, & M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: N/A HOLE NO.: OG21-069

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		parallel to fabric at 45-50 deg tca. Non-magnetic. Moderate to strong fabric. Subtly grades into below sub-interval.																			
		171.73-172.12m: Carbonate and fuchsite-altered conglomerate Appears as above but with pervasive pale emerald green-coloured fuchsite occurs in association with pervasive pale beige coloured carbonate altered conglomerate. ~3-5% white carbonate-quartz veinlets at 5mm wide parallel to fabric at 40-45 deg tca. Trace very fine-grained yellow pyrite occurs along stretched conglomerate clast and white carbonate veinlet. Non-magnetic. Lower contact at 35 deg tca.																			
		172.12-172.73m: Bleached or possibly albitized conglomerate Appears as at 169.29-171.73, texturally, but both matrix and clasts take on pale cream colour due to pervasive moderate to strong bleaching. Fabric occurs at 45 deg tca. 0.5% Very fine- to fine-grained cubic brassy pyrite disseminations occur pervasively throughout matrix. Moderate to strong fabric. Non-magnetic. ~2-3% pale grey to white quartz-carbonate stringers <5mm wide, mostly parallel to fabric. Odd discontinuous stringer parallel tca. Local tension gashes occur at~20 deg tca. Rare pyrite observed in veinlets parallel to fabric at 45 deg tca.																			
		172.73-173.25m: Conglomerate with localized bleaching/albitization Same as previous but with pale mauve-hued greyish matrix and cream-coloured clasts. Bleaching occurs locally. About the same amount of very fine to fine-grained disseminated pyrite.																			
		173.25-174.26m: Silicified conglomerate (weak to mod silicification) As above but more strongly silicified. Fabric at 45 deg tca. ~5% Extensional white quartz-carbonate veinlets (with clots of, or locally significant, dark green chlorite) occur pervasively,																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert, & M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: N/A HOLE NO.: OG21-069

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

generally crosscutting fabric at 20 deg tca. Very fine-grained pyrite occurs in abundance locally in zones/patches of local pale mauve-ish grey silica flooding.

174.26-175.1m: Silicified conglomerate (strong silicification)
Similar to previous but unit appears to be ghosted/imprinted with pale mauve-grey colouration due to pervasive silicification with albitization. Pervasive very fine-grained pyrite disseminations throughout the matrix. Local coarser blebs and stringers oriented at 60 deg tca. Host rock fabric at 55 deg tca. Rare mg chalcopyrite bleb within white quartz-carbonate veinlet at 174.44m (veinlet oriented at 50 deg tca) - associated with fg-mg subhedral yellow pyrite disseminations.

175.1-176.15m: Silicified conglomerate (moderate silicification)
Less siliceous than previous (also less quartz veining and localized silica flooding). Pale grey clasts are more discernable than previous. Clasts less stretched than near upper unit. Long to wide axis ratio of strain ~2:1. Clasts generally retain slightly equant or ovoid shape. Very fine to fine-grained yellow subhedral pyrite disseminations occur within matrix and within odd white wispy extensional quartz-carbonate stringer at 15 deg tca. <2-3% quartz-carb stringers.

176.15-~179m: Albitized/sericitized conglomerate
As above, but increasing pale mauve-grey in colour as silicification intensity increases. White to very pale peach-pinkish Quartz-carbonate veining increases near gradational contact (oriented at 40-45 deg tca. Widest veinlet at 3 cm wide is truncated by mm-wide brittle structure parallel tca

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert, & M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: N/A HOLE NO.: OG21-069

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
179.00	181.77	**FELSITE** No VG observed - pervasive very fine to medium-grained disseminated pyrite. No other sulfides observed. Cannot easily discern protolith but is interpreted as possible strongly silicified conglomerate? Similar to 174.26-175.1m. Pervasive pale mauve-grey hue due to pervasive silicification. Hard when scratched with scribe. Sulfide content is most pervasive and abundant in this interval. Pyrite generally occurs throughout matrix as very fine- to fine-grained disseminations, but also has coarser clots and as discontinuous stringers/wisps at 40, 50, and less commonly at 70 deg tca. Local brittle late white carbonate-infilled fractures. Fabric is not well preserved due to alteration - locally can discern fabric angle at 35-40 deg tca. ~5-8% white wispy extensional <5mm wide quartz-carbonate stringers - mostly appear as tensional/brittle and occur at various orientations. Ductile veinlets occur at 40-60 deg tca; brittle ones at 5-15 deg tca. Local slickenlines observed along joint planes at 178.65m (oriented orthogonally to long axis of core) and 179.31m (oriented parallel to long axis of core), and 181.50m (obliquely to long axis of core at ~50 deg tca and trace yellow amorphous fine- to medium-grained blebs of pyrite smeared along slickenlines locally). Core not oriented in this interval. Gradational lower contact - silicification gradually reduces in intensity.	FEL	w	s	1-3	tr	020	179.00	180.00	1.00	4-6	-			0.516					
			FEL	w	s	3-4	-	021	180.00	181.00	1.00	5-8	-			0.631					
			FEL	w	s	5-10	-	022	181.00	181.77	0.77	5-10	-			0.324					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert, & M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: N/A HOLE NO.: OG21-069

METERAGE		DESCRIPTION
FROM	TO	
181.77	200.84	**CONGLOMERATE**

Pale yellowish beige hued grey matrix with sparsely cream-coloured clasts variably stretched parallel along fabric. Fine-grained. Weakly to poorly defined fabric, possibly due to intermittent alteration (locally ghosts clasts).

181.77-184.0m: interval takes on slight blue-hued grey colour due to silicification/albitization. Clasts are moderately to strongly sheared so parallel along fabric, so length to width of a clast occurs at 10:1 ratio. Fabric at ~65 deg tca. Fuchsite occurs weakly to moderately between ~183.3-184m, in bright green threads/stringers parallel to fabric. Intermittent ~0.5% very fine to fine grained acicular and stubby silver-y arsenopyrite grains concentrated within pale blue-ish grey silicification patches/blebs . The dominant sulfide is very fine to fine-grained brassy cubic pyrite disseminations, which occur in both the blue-ish quartz-rich intervals as well as throughout the fuchsite and chlorite wisps.

184.0-186.52m: Pale yellowish grey in colour due to pervasive albitization/sericitization. Fabric flattens from 45 to 20 deg tca to almost parallel to long axis of core, (upper contact to mid-interval) to lower contact. Dark greenish grey <0.5mm wide bands occur throughout unit, parallel to fabric. These bands tend to feature fine-grained cubic brassy pyrite disseminations throughout them (~1-5%). Odd bleb of bright fuchsite near upper contact. Trace local pale blush-cream coloured carbonate bleb with small vugs (by 184.58m). Sharp planar lower contact at 30 deg which flattens so near-parallel to long axis of core.

186.52-186.89m: Mauve-hued silica flooded zone (superficially resembles felsite). Fabric is not preserved due to strong silicification. Local chlorite and fuchsite mm-wide wisps occur at ~5-15 deg tca. ~1-2% fine-grained brassy subhedral pyrite

ROCK	Alt'n Index				SAMPLES						ASSAYS							
CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
CONGL	tr-w	m	5-8	tr	023	181.77	182.36	0.59	1-2	0.5			0.581					
CONGL	tr-w	m	5-8	tr	024	182.36	183.30	0.94	1-2	0.5			0.320					
CONGL	tr-w	m	5-8	tr	025	183.30	184.30	1.00	1-2	0.5			2.030					
CONGL	tr-w	m-s	3-5	w-m	026	184.30	184.78	0.48	0.5-1	-			0.274					
CONGL	-	m-s	5	w-m	027	184.78	185.58	0.80	tr	-			1.040					
CONGL	-	m-s	1-2	w-m	028	185.58	186.52	0.94	tr	-			3.060					
STD					029	186.52	186.52	0.00					0.321					
CONGL	w	m-s	20-25	w-m	030	186.52	187.89	1.37	1-2	0.5			2.180					
CONGL	w	m-s	3-5	w-m	031	187.89	189.00	1.11	5-8	0.5			0.119					
CONGL	-	w	0.5-1	-	032	189.00	190.10	1.10	tr	-			0.028					
CONGL	-	w	2-3	-	033	190.10	191.24	1.14	0.5	-			0.002					
CONGL	-	w	2-3	tr-w	034	191.24	192.25	1.01	0.5	tr			0.019					
CONGL	-	w	5-8	tr-w	035	192.25	192.80	0.55	tr	-			0.002					
CONGL	-	w	3-4	tr	036	192.80	193.54	0.74	tr	-			0.018					
CONGL	-	w	7-10	w-m	037	193.54	194.06	0.52	5-8	0.5-1			12.600					
CONGL	-	w-m	2-3	w-m	038	194.06	194.80	0.74	0.5-1	-			0.014					
BLANK					039	194.80	194.80	0.00					0.005					
CONGL	-	w-m	1-2	w	040	194.80	195.87	1.07	0.5	-			0.883					
CONGL	-	w-m	2	w	041	195.87	196.87	1.00	tr	-			0.056					
CONGL	-	w-m	10-15	w	042	196.87	197.87	1.00	tr	-			0.026					
CONGL	-	w-m	10-15	w	043	197.87	199.00	1.13	tr	-			0.006					
CONGL	-	w-m	5-8	w	044	199.00	200.00	1.00	tr	-			0.073					
CONGL	-	w	20	tr	045	200.00	200.84	0.84	-	-			0.098					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert, & M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: N/A HOLE NO.: OG21-069

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

grains occur locally in clusters (floating within silicification), and local very fine-grained acicular arsenopyrite disseminations. Sharp planar lower contact undulates ~parallel to long axis of core.

186.89-187.89m: Resembles 184.0-186.52m, except features more dark grey bands/veinlets at 3mm to ~3 cm wide, at 15, 20, 60 deg tca, and at other various orientations. ~7-10% pervasive fine-grained disseminated cubic brassy pyrite occurs both throughout matrix and within discrete bands. Texturally, pyrite is consistent - local fine-grained pyrite occurs as discontinuous wisps tangentially along odd band/stylolite. Trace fuchsite wisps. Fabric occurs locally at 20 deg tca - subunit lacks consistent fabric - seems slightly disrupted due to alteration/black bands. Sharp lower contact at 15 deg tca.

187.89-191.74m: Less altered than at 184.0-186.52 and fabric appears sub-parallel to long axis of core and cream-coloured and dark green clasts are moderately to strongly stretched, at a length:width ratio of ~1mm:2.8cm (at most intense stretching). Length:width ration near upper contact is less intense at 0.5cm:2.5cm. ~0.5% white wispy carbonate extensional stringers <0.5mm wide occur at 20-25 deg tca and ~0.5% smokey dark blue-ish grey quartz-carbonate stringer at 1-3mm wide occur at 50-60 deg tca and often occur in association with ~0.5 cm wide pale greenish yellow albitization alteration haloes. Locally, fine-grained subhedral brassy pyrite disseminations occur within alteration haloes in trace abundance.

191.74-194.06m: Flat-lying sheared interval featuring micro-scale plastic deformation textures including s-folds and crenulations. ~5-8% white carbonate-quartz stringers show ductile characteristics while more narrow, carbonate-rich stringers consistent with brittle-tensile stresses, often crosscut

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		or are truncated by later shears within interval of strongest shearing (192.88-193.33m). Local white quartz-carbonate veinlet features dark green brecciated fragments. Tension gashes generally oriented at 40-50 deg tca. Series of stacked shears generally oriented at 15-20 deg tca. At mm-scale, local fine-grained wisps of brassy yellow pyrite mimic some s-folds/crinkles in surrounding host rock fabric. ~193.54m: local flat-lying fold noses with intermittent fine-grained yellow pyrite concentrated around their apexes. ~193.8-194.06m: Pervasive blue-ish grey quartz-carbonate veining/silica flooding with ~10-15% semi-massive pyrite veinlets (192.8-~192.88cm and ~193.9-193.96m) as well as very fine to fine-grained pyrite disseminations throughout fuchsite-chlorite within matrix of host rock. Local concentrations of very fine-to fine-grained silver-y acicular to stubby arsenopyrite disseminations - generally constrained within blue-grey silcification patches or intimately associated with bright green fuchsite wisps (oriented at 20 deg tca). 194.06-200.84m: Similar to 187.89-191.74m. Fabric is generally flat-lying and parallel to long axis of core. Downhole of ~196.7m, increase in white quartz-carbonate extensional veinlets ~1mm to average ~1-1.5 cm wide, which are also oriented parallel to long axis of core. Between ~196.7-200.84m, quartz veining ~20% of subunit. Trace fine-grained yellow subhedral pyrite occurs intermittently within pale beige-yellow weak-moderate diffusive alteration haloes, tangential to veinlet contacts. Localized albitization/silcification alteration very gradually increases as veining abundance increases. Lower contact is gradational - was discerned on basis of end of extensional veining/associated alteration. Clasts no longer																				

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert, & M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: N/A HOLE NO.: OG21-069

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		observed.																			
200.84	206.29	**GREYWACKE?** Fine-grained, relatively homogeneous medium grey-coloured matrix with intermittent ~15-25% fine- to medium-grained dark green clots of chlorite (show little to no strain). ~4-5% wispy white to pale grey extensional carbonate-quartz stringers, generally 3-5mm wide, and variably oriented at 40, 50, & 60 deg tca, dipping downhole as well as at 15 to 25 deg tca, dipping uphole. Stringers locally show brecciation textures, as well as more ductile stresses in the form of sigmoidal stringers. Trace fine-grained pyrite observed locally within odd white carbonate-quartz stringer oriented at 20-25 deg tca, dipping downhole. No significant or pervasive alteration, including alteration haloes along stringers, observed. Can slightly scratch with scribe. Non-magnetic. Massive, no strong or consistent fabric - very weakly defined fabric near upper contact is approximately parallel to long axis of core. Gradational lower contact is defined by flat-lying fold noses, locally crenulated shears, and brecciated veining.	GRYWK	-	-	5-8	-	046	200.84	201.80	0.96	tr	-			0.002					
			GRYWK	-	-	5-8	-	047	201.80	202.30	0.50	tr	-			0.002					
			GRYWK	-	-	1-2	-	048	202.30	203.50	1.20	tr	-			0.005					
			GRYWK	-	-	2-3	-	049	203.50	204.30	0.80	tr	-			0.006					
			GRYWK	-	-	1-2	-	050	204.30	205.30	1.00	tr	-			0.008					
			GRYWK	-	-	1-2	-	051	205.30	206.29	0.99	tr	-			0.008					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert, & M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: N/A HOLE NO.: OG21-069

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
206.29	241.79	**ARGILLITE** 206.29-~215.5m: Local intervals of shearing with intermittent brecciation and low-angle fold noses (~fold hinges ~parallel to long axis of core) (206.29-208.52m). Local micro-crenulations defined by pale to bright pear green (albite-possible fuchsite) alteration hole proximal to local pale grey carbonate-quartz veinlets. Shear fabric occurs at ~20 to 35 deg tca (fabric undulates due to crenulations/shear intensity). ~15-20% veining is both conformable and crosscutting to shear fabric (at 60 and 70 deg tca). Discontinuous blebs with tapered ends, parallel to shear fabric, also present. Fine-grained cubic euhedral disseminated brassy pyrite (~0.5%) occurs predominantly in veinlets parallel to shear fabric, especially along their contacts, or within wobbles of crenulated veinlets. Pyrite also observed locally within micaceous layers of sheared host rock matrix (take on dark green lighter yellow-ish green in colour). To 215.50m: Weakly defined laminae/bedding - appears locally disrupted. Trace fine-grained disseminated pyrite and pyrrhotite observed in odd white quartz-carbonate veinlet (with clots of dark green chlorite), oriented at 50 deg tca, dipping downhole. ~5-8% wispy white mm-wide extensional carbonate-quartz stringers/veinlets at various orientations (25, 35, 50, 70 deg tca, dipping downhole; & 20, 40 deg tca, dipping uphole) . Local "blonde" colouration weakly defines laminae (localized albitization? Or possible sediment horizon heterogeneity). Local late brittle black mm-wide structures oriented at 50-60 deg tca. Unit appears fairly homogeneous in terms of texture and colour between 215.5 and ~231.3m. Medium to deep greyish taupe in colour, fine- to very fine-grained. Siliceous and weakly to moderately developed bedding can be observed intermittently and at regular intervals. Very flat-lying bedding varies between ~0 and 10 deg tca. Pervasive wispy ~5-7% white carbonate	ARG	-	-	7-10	-	052	206.29	207.00	0.71	tr	-			0.017						
			ARG	-	-	5-8	-	053	207.00	207.48	0.48	tr	-			0.011						
			ARG	-	-	7-10	-	054	207.48	208.52	1.04	0.5-1	-			1.450						
			ARG	-	-	3-4	-	055	208.52	209.50	0.98	tr	-			0.009						
			ARG	-	-	5-7	-	056	209.50	210.50	1.00	tr	-			0.007						
			ARG	-	-	5-7	-	057	210.50	211.50	1.00	tr	-			0.002						
			STD					058	211.50	211.50	0.00					1.460						
			ARG	-	-	3-5	-	059	211.50	212.50	1.00	tr	-			0.005						
			ARG	-	-	3-5	-	060	212.50	213.50	1.00	tr	-			0.011						
			BLANK					061	213.50	213.50	0.00					0.008						
			ARG	-	-	2-3	-	062	213.50	214.50	1.00	tr	-			0.007						
			ARG	-	-	3-5	-	063	214.50	215.50	1.00	0.5-1	-			0.005						
			ARG	-	-	1-2	-	064	215.50	216.50	1.00	0.5-1	-			0.005						
			ARG	-	-	5-7	-	065	216.50	217.50	1.00	0.5-1	-			0.010						
			ARG	-	-	3-5	-	066	217.50	218.50	1.00	0.5-1	-			0.008						
			ARG	-	-	3-4	-	067	218.50	219.50	1.00	0.5-1	-			0.007						
			ARG	-	-	3-4	-	068	219.50	220.50	1.00	0.5-1	-			0.020						
			ARG	-	-	3-4	-	069	220.50	221.50	1.00	0.5-1	-			0.019						
			ARG	-	-	3-4	-	070	221.50	222.50	1.00	0.5-1	-			0.010						
			ARG	-	-	3-4	-	071	222.50	223.50	1.00	0.5-1	-			0.005						
			ARG	-	-	3-4	-	072	223.50	224.50	1.00	0.5-1	-			0.002						
			ARG	-	-	3-4	-	073	224.50	225.50	1.00	0.5-1	-			0.002						
			ARG	-	-	3-4	-	074	225.50	226.50	1.00	0.5-1	-			0.006						
			ARG	-	-	3-4	-	075	226.50	227.50	1.00	0.5-1	-			0.047						
			ARG	-	-	3-4	-	076	227.50	228.30	0.80	0.5-1	-			0.007						
			ARG	-	-	2-3	-	077	228.30	229.36	1.06	0.5-1	-			0.010						
			ARG	-	-	15	-	078	229.36	230.07	0.71	0.5-1	-			0.008						
			BLANK					079	230.07	230.07	0.00					0.006						
			ARG	-	-	2-3	-	080	230.07	231.00	0.93	0.5-1	-			0.007						
			ARG	-	-	2-3	-	081	231.00	232.00	1.00	0.5-1	-			0.019						
			ARG	-	-	2-3	-	082	232.00	233.00	1.00	0.5-1	-			0.019						
			ARG	-	-	2-3	-	083	233.00	234.00	1.00	0.5-1	-			0.006						
			ARG	-	-	2-3	-	084	234.00	235.00	1.00	tr-0.5	-			0.022						
			ARG	-	-	1-2	-	085	235.00	236.00	1.00	0.5	-			0.002						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert, & M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: N/A HOLE NO.: OG21-069

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		extensional stringers - similar orientations to as above. ~0.5-2% fine-grained disseminated pyrite and discontinuous wisps confined locally within carbonate stringers (of varying orientations) occur intermittently/regularly throughout interval. Younging up-hole? (question mark - as interval that suggests it is not oriented). (Based on truncation of quartz-carb stringer by younger argillite bed)	ARG	-	-	1-2	-	086	236.00	237.00	1.00	tr	-			0.002					
			ARG	-	-	0.5	-	087	237.00	238.00	1.00	tr	-			0.008					
			ARG	-	-	0.5	-	088	238.00	239.00	1.00	tr	-			0.042					
			STD					089	239.00	239.00	0.00					1.150					
			ARG	-	-	0.5	-	090	239.00	240.00	1.00	tr	-			0.101					
			ARG	-	-	0.5	-	091	240.00	240.90	0.90	0.5-1	-			0.476					
			ARG	-	-	0.5	-	092	240.90	241.79	0.89	1	-			1.870					
		~231.3-240.9m: Dark charcoal grey, very fine-grained with proportionally less wispy white extensional carbonate-quartz stringers, at similar widths/orientations as above. Also, less sulfides observed at tr-0.5% on average. Bedding is not as well defined but appears to be generally consistent in terms of flat-lying orientation. Gradually towards lower contact, bedding slightly steepens to 15-20 deg tca.																			
		240.9-241.79m: Bleached, medium to light grey argillite with ~1% fine-grained yellow cubic pyrite disseminations (local pyrite veinlet ~5mm wide oriented at 20 deg tca (dipping downhole). Bedding steepens to 40 deg tca. Pyrite also occurs as similar textures as earlier in overall unit. Local very small vugs, often proximal to clotty dark green chlorite within odd stringer (oriented at 25-30 deg tca).																			
241.79	261.00	**ULTRAMAFIC**	UM	-	-	-	-	093	241.79	242.50	0.71	-	-			5.610					
			UM	-	-	-	-	094	242.50	243.00	0.50	-	-			11.000					
		Dark greenish grey in colour, very fine-grained and distinct soapy feel due to pervasive talc and serpentine alteration (can scratch with fingernail). Pale greyish green silty gouge at 242.0-242.95m (fault -local healed subrounded black/dark grey healed brecciation fragments also observed within this interval). No distinct contact orientations.	UM	-	-	tr	-	095	243.00	244.00	1.00	-	-			0.016					
		General est. RQD ~60-70%. Core competence improves																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert, & M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: N/A HOLE NO.: OG21-069

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		downhole of ~248m. Local striations observed along joint plane at 245.2m (oriented almost orthogonally to long axis of core) (note: core not oriented here). Fine-grained yellow pyrite (trace) observed smeared along part of surface/striations. ~3-5 wispy white carbonate mm-wide stringers at various orientations. Non-magnetic. Brecciation textures pervasive from 242.95-250.55m. Fabric not well-defined generally. Locally, foliation defined in zone of slight shearing at 25-30 deg tca (~250.55m). Trace to ~0.5% fine- to medium-grained cubic yellow pyrite in local white carbonate stringers/veinlets at 70 deg tca. Refer to last page for samples. EOH at 261.0m.																			

Printed: March 16, 2022

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	HR1008			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: one Hex core barrel. Note: This is the second attempt after TOG-21-70(A). Planned dip was changed from -63 to -63.2. Used DeviShot as downhole survey tool.
HOLE NO.:	TG22-070	LENGTH (m):	417.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362592.000	EASTING:	471800.000	COLLAR SURVEY BY: DeviCo Rig Aligner	
SECTION:	TZ_1200W	ZONE:	Thomas Ogden	ELEVATION (m):	300.000	DRILLING COMPANY: DrillCo	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	3.0 / -63.2	SURVEYED:	3.020 / -63.207	DATE LOGGED: Feb. 12, 2022 TO Feb. 25, 2022	Core Storage: Polk Farm
HOLE STARTED:	February 15, 2022	HOLE FINISHED:	February 19, 2022	MAG:	10.75º w	LOGGED BY: S.Huebert	Page 1 of 29

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n Index Carb	Alb	%Qtz	Ser	SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	24.50	**CASING**																			

DeviShot Data:

Depth (m) In/Out	Az (deg) (Raw)	Az (deg) (Corrected)	Dip (deg)	Northing (m)	
33.0m	14.43	4.27	-62.46	0.00	IN
81.0m	10.20	0.04	-61.72	0.00	IN
135.0m	8.21	358.05	-61.23	0.00	IN
186.0m	7.81	357.65	-60.36	0.00	IN
237.0m	10.58	360.42	-59.83	0.00	IN
288.0m	8.15	357.99	-59.03	0.00	
IN					
339.0m	7.04	356.88	-59.56	0.00	IN
390.0m	8.71	358.55	-60.85	0.00	IN
417.0m	6.79	356.63	-61.05	0.00	IN
EOH					

QA/QC Samples:

TOG-22-070-019 (BLANK)
TOG-22-070-029 (STD: CDN-GS-3U)
TOG-22-070-039 (BLANK)
TOG-22-070-059 (BLANK)
TOG-22-070-061 (STD: CDN-GS-3H)
TOG-22-070-079 (BLANK)
TOG-22-070-091 (STD: CDN-GS-9D)
TOG-22-070-099 (BLANK)

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-070

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
21.00	123.40	**MAFIC FRAGMENTAL** This unit consists of heterogeneous fragments and quite variable from more mafic rich to felsic in composition and appear to form weak layers from mafic to felsic. Stretching ratio of clasts (Length: width) is generally about 3.5:0.5. Patches within the unit are gritty in appearance and resemble coarser sandstones. Local intervals of pale greyish green fine- to medium-grained tuff also occur intermittently (i..e., @ 78.72 - 89.94m). General alignment of the fragments and mineral alignment is at 50 to 60 degrees to ca. The volcanic host is a chloritic fine-grained andesite. The clasts are dacitic to rhyolitic with a cream to soft beige colouration with speckled green chlorite within. Local moderate dark blackish green chlorite obliterates fabric and texture - occurs in weakly developed shears and is associated with minor milky white quartz-carbonate veining (trace to nil sulfides contained therein); soft when scratched with scribe; associated with minor medium- to coarse-grained subhedral to euhedral disseminated scattered pyrite grains. The contacts are generally sharp and sub-angular with occasional rounded clasts ranging from <1cm to 1m in length. The foliation of the unit varies with weak and moderate sections. Occasional secondary white to semi-transparent quartz stringers and veinlets (<1cm) and local association with epidote. Trace hematite present along occasional fracture faces. Trace very fine- to fine-grained pyrite disseminations occur locally adjacent to, or tangentially along narrow white quartz-carbonate stringers/veinlets. 64.77 - 71.35m: Dark greyish green massive, fine-grained tuff-like dyke with ~2-3% intermittent green epidote-altered wispy and sigmoidal stringers/veinlets at various orientations. Fine-	INT DYK	-	-	2-3	-	001	31.73	32.08	0.35	0.5	-			0.002					
			INT DYK	-	-	-	-	002	40.60	41.10	0.50	0.5	-			0.002					
			INT DYK	-	-	1-2	-	003	74.35	74.70	0.35	0.5	-			0.002					
			INT DYK	-	-	1-2	-	004	76.56	76.82	0.26	0.5	-			0.002					
			INT DYK	-	-	-	-	005	84.00	84.20	0.20	1-2	-			0.005					
			INT DYK	-	-	7-8	-	006	89.99	90.80	0.81	tr	trMol			0.002					
			INT DYK	-	-	3-4	-	007	90.80	91.80	1.00	tr	-			0.002					
			SHEAR	-	-	2-3	w	008	91.80	92.60	0.80	tr	-			0.005					
			INT DYK	-	-	5-7	-	009	112.67	112.97	0.30	tr-0.5	-			0.007					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-070

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

grained dark green wisps are weakly stretched @ 40-50 degrees to ca, especially near weakly sheared upper contact and near sharp lower contact. No significant sulfides. Sharp upper and lower contacts at 42 and 40 degrees to ca, respectively. Non-magnetic.

Overall, ~3-4% white to clear quartz-carbonate stringers and veinlets between a couple of mm's wide up to 10.5 cm wide (and often associated with clots of dark green chlorite). Odd veinlet presents small vugs (no sulfides observed in association with these stringers). Veinlets generally crosscut fabric and vary in orientation between 10 and 70 deg tca (most between 50 and 60 deg tca). Stringers/veinlets generally wispy and extensional. Rare veinlet is sigmoidal and associated with trace fine-grained subhedral to euhedral cubic pyrite disseminations along its contacts.

Local patches of weak-mod dark green chloritization associated with wider veinlets/blebs of white quartz-carbonate. Trace fine- to very fine-grained subhedral to euhedral cubic pyrite diseminations often occur interstitally along quartz blebs, or along quartz bleb contacts.

31.73 - 32.08m: intermediate dike
-sharp upper and lower contacts at 60 and 45 degrees resp.
-mauve-hued grey/brown coloaration
-fine-grained
-~0.5% fine-grained cubic disseminated pyrite

40.65 - 41.0m: intermediate dike
-sharp upper and lower contacts at 50 and 55 degrees to ca, respectively
-fine-grained
-same greyish mauve-brown colour as at 31.73-32.08m.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-070

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		-0.5% disseminated very fine- to fine-grained cubic pyrite 74.35 - 74.70m: intermediate dyke -sharp parallel upper and lower contacts at 27 and 38 degrees to ca, respectively - fine-grained, homogeneous, medium to dark greyish buff-brown colour - similar to above two intermediate dykes - pervasive ~0.5% very fine-grained to locally medium-grained disseminated cubic pyrite - Non-magnetic 76.60 - 76.80m: Mineralized intermediate dykelets - Upper dykelet at 76.60 - 76.68m with sharp upper and lower contacts @ 53 andn 52 degrees to ca, respectively. ~2-3% very fine- to fine-grained disseminated euhedral cubic pyrite throughout. - Lower dykelet at 76.77 - 76.80m with sharp upper and lower contacts @ 55 and 53 degrees to ca, respectively.~1-2% medium-grained euhedral cubic pyrite disseminations. - Non-magnetic 78.72 - 79.13m: milky white quartz-carbonate veinlets within weak to moderately chloritized interval. ~5-8% quart-carbonate. Upper and lower contacts @ ~57 degrees to ca, each. No observed sulfides. 81.30 - 81.80m: Narrow mineralized intermediate dykelet - as above. Sharp upper and lower contacts both at 45 degrees to ca, respectively. ~0.5-1% very fine- to fine-grained euhedral cubic disseminated pyrite. - Non-magnetic 84.0 - 84.12m: Mineralized intermediate to mafic dyke - as above, but takes on dark greenish colour and lacks mauve																				

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

colouration.
- pervasive very fine- to fine-grained euhedral cubic disseminated pyrite.
- Sharp upper and lower contacts @ 64 and 68 degrees to ca, respectively.
- Non-magnetic

78.74 - 89.94m: Weakly foliated intermediate-mafic tuff
- pale greyish green with faint, ghosted like fragment/breccia-like texture
- Weakly defined fabric at 38 degrees to ca.
- No significant veining or sulfides
- Sharp lower contact @ 42 degrees to ca

89.99 - 91.80m: Intermediate-Mafic dyke with ~5-7% white-peachy pink quartz-carbonate veinlets
- local vugs within veinlets; veinlets up to 5 cm wide, and oriented at 77 degreees to ca. 5 cm wide veinlet at 90.2m features trace blue-hued possible molybdenite floating within the quartz (~4mm by 1.5mm sized single grain). Veinlet appears otherwise barren with a few medium-grained coalescing subhedral pyrite grains locally tangential along the veinlet's contacts.
- Clots of dark green chlorite and occasional vugs common in veinlets
- similar to @ 84.0 - 84.12m, but very trace fine- to medium-grained subhedral disseminated pyrite - occasionally proximal to quartz-carbonate veinlets.

91.80 - 92.60m: Weak shear
- weak pale greenish yellow sericite stringers/wispy threads pervasive and oriented at 35 degrees to ca.
- medium very fine-grained matrix.
- near lower contact are blue quartz-carbonate veinlets oriented

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n Index Carb	Alb	%Qtz	Ser	SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

at 66-67 degrees to ca and 2mm to 1.4cm wide. Small clots of dark green chlorite and trace fine- to medium-grained subhedral to euhedral cubic pyrite also associated within veinlets.

98.60 - 99.70m: Weakly hematite-altered fragmental
- creamy felsic clasts have a muddy reddish hue imparted due to localized hematite alteration
- zone of alteration is abruptly demarcated - upper contact: 50 degrees to ca, lower contact: 61 degrees to ca

112.70 - 112.92m: Intermediate Dyke
- medium greyish light beige-y brown
- trace to 0.5% very fine- to fine-grained disseminated subhedral to euhedral cubic pyrite occurs locally and intermittently throughout the matrix. No sulfides observed in white quartz-carbonate veinlet with seams of dark green chlorite (vein oriented at 15 degrees to ca and 1 cm wide).
- sharp upper and lower contacts @ 55 and 52 degrees to ca, respectively.

116.85 - 123.40m: transition zone with below mafic tuff. 58-65 degrees to ca fabric (locally flattens to 45 degrees to ca). In the lower half of this interval, fabric goes from 43 to 64 to 55 degrees every ~1.5m downhole. Intermittent ghosted fragmental texture and tuff. Massive intervals typically have ~3-4% mm-wide pale greenish yellow sericite wispy sigmoidal stringers. Overall trace very fine- to fine-grained disseminated subhedral cubic pyrite grains intermittently scattered throughout the matrix.

Gradational lower contact @ 55 deg tca (reflects fabric at this depth).

123.40	131.72	**MAFIC-INTERMEDIATE TUFF**	

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Medium to dark green, fine grained with a gritty texture. Unit is relatively competent with minor fracturing. Weak to locally moderate foliation @50-55 deg to c.a. with horneblende clots (1-3mm) aligned parallel to foliation. Occassional white quartz veins (2-5mm) predominently @ 30-78 deg. To c.a. Locally grades to dacitic in composition. Relatively unaltered and unmineralized and non-magnetic. Unit becomes more foliated near lower contact. Relatively sharp lower contact @25 deg to tca with associated strong foliation. Trace fine-grained disseminated cubic subhedral pyrite scattered grains throughout matrix. Non-magnetic. Est. RQD ~80%. 129.45 - 130.40m: Intermediate-Mafic Dyke - Dark greyish green, massive - no observed sulfides - ~2-3% milky white extensional quartz-carbonate veinlets commonly with patchy dark green chlorite and vugs. Oriented at 29 and 60-63 degrees (the former crosscuts the latter locally), also oriented at 15 degrees to ca (crosscut by 60 degree veinlets) and generally ~3-8 wide. - Sharp upper and lower contacts @ 60 and 63 degrees to ca, respecitvely. - Non-magnetic. - Can scratch with scribe - slighter softer near upper contact.																			
131.72	140.36	**CHLORITE-SERICITE SCHIST** This is an extremely foliated unit with ribboned white/pale yellow bands consisting of qtz/felds/carb which has been partially altered to sericite. The unit has undergone immense alteration with ribbon-like bands upto 1.5cm at various orientations with a preferential orientation of 32-38 deg tca. Cubic pyrite common ranging from trace to 0.5%. Lower contact @ Approx 47 deg to c.a. Unit is strongly foliated and host rock is																			

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		moderately silicified and grey in color. Dark green, moderately foliated chlorite schist @ 131.72-132.36. Sharp lower contact @ 32 degrees to ca. Non-magnetic. Pervasive dark green. Fine-grained with flecks of pale grey carbonate wisps and a couple of <5mm wide stringers parallel to fabric/sigmoidal stringers. Soft when scratched with scribe.																			
140.36	283.25	**CHLORITE SCHIST** This is an extremely foliated unit that resembles the way an ultramafic gets foliated and ribboned by white qtz/felds/carb. The unit has undergone strong chlorite alteration with weak to locally moderate fuchsite alteration that results in a very distinct green colouration. Parts of the unit are slightly darker with slight serpentine alteration and a typical peridotite specked appearance. The unit is intruded fairly heavily by white quartz/felds/carb stringers at random angles to ca as well as showing evidence of deformation through locally prominent S and Z folding. Quartz veins commonly contain trace to 0.5% finely disseminated pyrite and commonly are fe-carb altered with brown staining locally.Gradational lower contact with ultramafics. 140.36 - 143.95m: more of a gritty tuffaceous unit which exits a moderate foliation and chlorite/hbl clots throughout. Downhole of ~155m, fabric varies between 40 and 52 degrees to ca. Downhole of ~240m, fabric flattens to ~18-20 degrees to ca. Donwhole of ~273m, unit flattens to 15-10 degrees where it becomes very chloritic as indicated by blackish colour and very soft when scratched with scribe. Fabric becomes significantly less pronounced and flattens and almost looks massive until EOH.	CHL SCH	-	-	45	-	010	170.95	171.67	0.72	tr	-			0.008					
			CHL SCH	m	m	3-5	w-m	011	203.26	203.71	0.45	0.5	-			0.007					
			INT DYK	w	m-s	2-3	-	012	232.90	234.00	1.10	2-3	-			0.016					
			INT DYK	w	m-s	2-3	-	013	234.00	234.60	0.60	1-2	-			0.025					
			INT DYK	w	m-s	2-3	-	014	234.60	235.33	0.73	1-2	-			0.068					

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Local blebby milky white quartz carbonate veining at 170.95 - 171.67m with trace very fine- to fine-grained pyrite hosted within quartz-carbonate veining. Trace bright green fuchsite wisps within white quartz-carbonate. Upper and lower contacts @ ~54 and 40 degrees to ca, respectively. Basal layer of chlorite schist, as seen at 140.36 - 143.95m. Dark green, fine-grained with ~30% white to pale cream coloured fine-grained equant subhedral-anhedral feldspar? Phenocrysts. Very weak fabric. Fabric goes from 42 to 30 degrees to ca downhole. Sharp lower contact @ 30 degrees to ca. ~10-15% Rose to salmon pink hued veinlets 4mm to 2 cm wide oriented at 38-40 deg tca occur intermittently throughout basal interval. Pink colouration derived from fine-grained garnets? Trace to minor fine-grained pyrite disseminations occur locally along vein/veinlet boundaries. Locally magnetic where reddish pink veinlets/clusters are present. 143.95- 144.68m: massive, dark green with ~5-8% pale peach coloured quartz-carbonate veinlets - no observed sulfides contained therein. Oriented at 20-35 degrees to ca, and vary in width between 1.3 cm and 4.8 cm. 190.05 - 190.40m: Intermediate Dyke - Mottled yellowish to greenish beige in colour due to sericite, carbonate, and chlorite alteration, fine- to medium-grained; gritty texture. Weakly developed fabric @ 45 degrees to ca. No significant veining; tr to nil very fine- to fine-grained subhedral cubic pyrite disseminations within matrix. - Sharp upper and lower contacts @ 32 and 42 degrees to ca, respectively 190.73 - 190.88m: same as at 190.05-190.4m.																				

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

- Sharp upper and lower contacts @ 38 and 48 degrees to ca, respectively. No observed sulfides.

199.50 - 203.70m: Chlorite-Sericite Schist
- Same as previous unit
- Strongly foliated at 50-52 degrees to ca
- Pale beige-y yellow sericite bands/wisps as wide as 9 cm, generally ~<5mm wide and parallel to foliation
- medium green fine-grained chloritic matrix
- Pale peach-coloured siliceous alteration near lower contact. Trace fine- to medium- greenish yellow chalcopyrite blebs (two of them) within peach silcieous alteration, hosted within narrow white quartz-carbonate veinlet parallel to fabric (oriented at 52 degrees to ca and 1.5 mm wide). Also present are local very fine-grained wisps, up to 1.2 cm long, sub-parallel to long axis of core, and ~0.5% very fine- to fine-grained disseminated subhedral to euhedral cubic scattered pyrite grains through the altered matrix.
- Lower contact @ 38 degrees to ca

210.39 - 211.75m: Buff-beige sheared intermediate dykelets
- both relatively hard when scratched with scribe
- ribboned with barren white carbonate-quartz veinlets generally oriented so parallel to fabric at 30-35 degrees to ca and <1cm wide. Local small vugs within odd veinlet. Trace very fine- to fine-grained disseminated pyrite within matrix.
- 210.39 - 210.52m: sharp upper and lower contacts @ 40 and 45 degrees to ca, respectively
- 211.16 - 211.75m: sharp upper and lower contacts @ 39 and 38 degrees to ca, respectively

215.22 - 215.45m: same as at 210.39-211.75m or possible sheared localized alteration near quartz-carb veinlets
- sharp upper and lower contacts @ 45 and 40 degrees to ca,

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

respectively.

219.20 - 220.0m: locally moderate to strong bright green fuchsite alteration and moderately siliceous texture yields laminated pseudo-sediments like appearance. Strongly foliated at 29 degrees to ca. Sharp upper and lower contacts @ 33 and ~47 degrees to ca, respectively. Lower contact slightly irregular. Slightly hard but can still scratch with scribe. Local small vugs within <5mm wide white carbonate veinlets parallel to fabric. Trace very fine- to fine-grained pyrite scattered throughout matrix and blebby quartz-carbonate near upper and lower contacts.

223.92 - 225.47m: locally moderate to strong birght green fuchsite with local minor very fine- to fine-grained disseminated subhedral to euhedral cubic pyrite.

232.90 - 234.60m:Felsite-like Dyke
- unit grades from mauve-hued grey to peachy beige downhole
- very siliceous - can barely scratch with scribe
- Moderately to strongly altered with local small elongated wisps of dark green chlorite intermittently scattered throughout the matrix where comparably less intensely altered.
- ~1-3% very fine- to fine-grained disseminated cubic pyrite scattered throughout siliceous matrix
- Local fine- to coarse-grained greenish yellow tinged chalcopyrite blebs (total of 7 clusters), all hosted within narrow white quartz-carbonate veinlet (6 clusters in veinlet oriented at ~5 degrees to ca, 1 cluster hosted in sigmoidal veinlet oriented at ~15 degrees to ca, and 3mm wide - both veinlets interconnected as part of low-angle veinlet).
- Sharp upper contact @ 40 degrees to ca; blebby irregular lower contact

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		234.96 - 235.33m: Patch of silica flooding with disseminated very fine-grained pyrite - appears as localized or patchy mauve-hued greyish silica-flooded patches along narrow quartz-carb veinlets or as dark green chloritic patches with diffusive contacts and ~1-2% very fine-grained disseminated pyrite throughout. - fabric @ ~22 degrees to ca 239.9 - 242.1m: Intermediate Dyke? - greenish grey with ~3-4% wispy carbonate-quartz strigners and veinlets at various orientations - weakly developed fabric @ 38 degrees to ca. - sharp upper contact @ 45 degrees to ca. Sharp lower contact @ 25 degrees to ca - trace to nil fine-grained subhedral cubic pyrite disseminations. Locally broken up/lost core between 231 and 240m blocks causes them to be offset locally. Local granular quartz-feldspar? veinlets around 249m. Irregular lower contact @ 283.25m @ ~30 degrees to ca. (brecciated around milky white quartz vein). .																			
283.25	340.24	**ULTRAMAFIC** Dark greyish to blackish green fine-grained matrix ribboned pervasively with white to pale grey carbonate anastomosing, sigmoidal and narrow veinlets. Local structures reflect plastic deformation, such as crenulations and ptygmatic folds, as defined by carbonate veining. Variably serpentine-and talc-altered. Local 18 cm wide white milky quartz-carbonate vein (barren) with minor dark green chlorite threads/wisps near	UM	w-m	-	3-4	-	015	339.24	340.24	1.00	-	-			0.032					

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		upper contact. Brecciated from upper contact to ~291m. Brecciation occurs intermittently throughout unit. Local sigmoidal white carbonate veining yields undulating banded appearance around ~300.3-~301m. Non-magnetic. Blackish colour, soapy feel, and soft when scratched suggest serpentine alteration. Local talc alteration yields pale greyish colour and is very soft (i.e., @ ~321.1 - ~323.6m). AT ~304.77 - 309.37m: Local mauve-hued greyish intermediate dykes as wide as 18 cm with contacts generally oriened at 50-60 degrees to ca. Trace to nil fine-grained pyrite disseminations observed locally within only one of the dykes. Unit features intermittent intervals/patches of weak to moderate pale wheat-beige coloured carbonate alteration as shearing increases and grades into sediments zone below. Fabric in last ~8m of unit varies between 40 and 55 degrees to ca, generally (locally flattens along core axis). Gradational lower contact @ ~68 degrees to ca (defined on basis of alteration intensity and continuity).																			
340.24	345.05	**ALTERED SHEAR ZONE** No VG observed in unit. Strongly altered and moderately-strongly sheared zone (ultramafic protolith). Unit has variably mottled appearance due to variable alteration	ALT SHR	w-m	w-m	1-2	-	016	340.24	341.19	0.95	-	-			0.008					
			ALT SHR	w-m	s	2-3	-	017	341.19	341.67	0.48	tr	-			0.054					
			ALT SHR	w-m	m	1-2	-	018	341.67	342.68	1.01	-	-			0.021					
			BLANK	N/A	N/A	N/A	N/A	019	342.68	342.68	0.00	N/A	N/A			0.005					
			ALT SHR	w	v.wk	2-3	-	020	342.68	343.36	0.68	tr	-			0.019					
			ALT SHR	w	m-s	3-4	-	021	343.36	344.24	0.88	tr	tr			0.061					
			ALT SHR	w	m	3-4	-	022	344.24	345.05	0.81	tr-0.5	tr			0.237					

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

intensity and type. Proximal to narrow white / pale grey quartz-carbonate veinlets are locally stronger intervals of bright yellowish green albite-carbonate-and local weak minor fuchsite alteration. Fabric seems to be obliterated due to moderate-strong alteration. Fuchsite content seems slightly stronger downhole of ~344m due to green colour of host rock. Where unit appears darker green in colour, relatively soft when scratched with scribe compared to yellowish intervals - still can scratch, but seem harder due to silicification.

~3-4% white / pale grey quartz-carbonate veinlets appear generally conformable to host rock fabric at 83-88 degrees to caand are ~2mm to 1.5cm wide. Veinlets generally barren, but locally feature pale beige-brown carbonate-altered host rock inclusions that are elongate and parallel veinlet contacts. Local very small dark green chlorite wisps and/or clots also present. Around ~344m, veinlets show more plastic deformation in the form of localized crenulations.

When present, very fine-grained disseminated pyrite and very fine-grained disseminated stubby arsenopyrite grains are usually observed scattered throughout the altered matrix. Local single blue-ish grey metallic 2mm-wide equant bleb of molybdenite observed locally within a white 1cm-wide quartz veinlet (17 degrees to ca, crosscuts the host rock fabric that is oriented at 70 degrees to ca) at 343.50m (refer to photo)(on side of core to be submitted to lab as a sample). Mo-Hosted veinlet crosscuts narrow grey barren quartz-carbonate veinlet (4.5mm wide and oriented at 76 degrees to ca). Mo-hosted veinlet appears to be crosscut or disrupted by host rock fragment oriented at 54 degrees to ca. Mo-hosted veinlet also crosscuts grey barren ptygmatic veinlet oriented at ~68 degrees to ca. Mo-hosted veinlet crosscuts mm-wide dark green chlorite seams oriented at 7 degrees to ca (no sulfides observed in

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		association with chlorite seams). Non-magnetic. Fabric generally at 70-65 degrees to ca in upper ~half of unit; fabric subtly oriented at 70-78 degrees to ca in lower ~half of unit, but is less well-defined due to increasing alteration intensity. Sharp lower contact @ 31 degrees to ca.																			
345.05	353.00	**FELSITE** No VG observed in unit. Note: logger confirmed meterage blocks in correct position by measuring out all core between 342m and 363m, inclusive. Logger also locked all core together in boxes 72-80, inclusive, to ensure no missing core pieces. Pale mauve-hued grey highly siliceous unit featuring pervasive very fine- to fine-grained pyrite and intermittent very fine-grained stubby to locally acicular arsenopyrite disseminations. Also present locally, in trace abundance, is medium to coarse-grained molybdenite, trace medium-grained two blebs of sphalerite and trace very fine- to fine-grained chalcopyrite. 345.32 - 345.45m: resembles last couple of metres of upper sheared altered ultramafic zone. Medium green with intermittent bright green fuchsite wisps. Upper and lower contacts @ 65 and 55 degrees to ca, respectively. Dominant sulfide appears to be ~0.5-3% very fine- to fine-grained subhedral to euhedral cubic pyrite disseminations scattered throughout the siliceous matrix, followed by very fine-	FEL	w-m	s	0.5-1	-	023	345.05	345.45	0.40	0.5	tr			0.162						
			FEL	m-s	s	4-5	-	024	345.45	346.24	0.79	0.5	0.5			0.134						
			FEL	m-s	s	3-4	-	025	346.24	347.14	0.90	0.5	0.5			0.041						
			FEL	w	s	1-2	-	026	347.14	348.00	0.86	0.5-1	0.5			1.970						
			FEL	w	s	0.5	-	027	348.00	348.77	0.77	1-2	-			0.213						
			FEL	w	s	0.5	-	028	348.77	349.45	0.68	2-3	tr			0.164						
			STD	N/A	N/A	N/A	N/A	029	349.45	349.45	0.00	N/A	N/A			2.860						
			FEL	w	s	3-4	-	030	349.45	350.30	0.85	3-4	-			0.142						
			FEL	w	s	3-4	-	031	350.30	351.29	0.99	3-4	tr			0.116						
			FEL	w	s	5-6	-	032	351.29	352.21	0.92	2-3	tr			0.205						
			FEL	w-m	s	4-5	-	033	352.21	353.00	0.79	4-5	tr			0.649						

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		to fine-grained stubby silvery coloured arsenopyrite grains, also locally concentrated within the siliceous matrix. Local very fine-pyrite occurs as discontinuous mm-wide discrete wisps and at ~347.13m, wisps delineate local micro S-folds. Pyrite occurs locally as mm-wide very fine- to fine-grained stylolites oriented at 20 and 65 degrees to ca (i.e., @ ~347.5m) and at 34 degrees to ca (i.e., ~352.3m), and at 60-67 degrees to ca (i.e., @ ~352.8m). Local amorphous aggregates of fine-grained pyrite (i.e., ~350.60m), up to ~1.5cm across. Stubby arsenopyrite morphology seems more common than acicular (i.e., @ 346.2m). Trace medium-grained bleb of reddish brown sphalerite within very narrow stringer (<0.25mm clear quartz infill at times) oriented at 25 degrees to ca, and trace single bleb of chalcopyrite within same veinlet, observed at 346.75m. Sphalerite on side of core remaining in box. Chalcopyrite also will remain in box. A total of nine fine- to coarse-grained roughly equant amorphous blebs of blue-hued metallic molybdenite observed concentrated 347.35 - 347.43m. Molybdenite grains are hosted within a narrow clear/light grey quartz-carbonate veinlet oriented at 48 degrees to ca, and 2mm wide. Also within this interval is possible trace fine-grained bleb of pale brownish red sphalerite associated with fine-grained dark green chlorite clot. Proximal to the molybdenite grains within a few mm's is fine-grained subhedral pyrite disseminations. Unit is generally consistent in terms of colour and strongly siliceous alteration and texture, except near upper contact @ 345.05 - ~347.14m where there is a pale beige colouration due to strong Fe carbonate alteration that grades out near the lower end of that interval. Moderate to strong pervasive albitization and strong silica alteration are dominant types of alteration. Local small clots of dark green chlorite occur intermittently in																			

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METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-070

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

association with the odd veinlet. Local stylolitic black to dark green chlorite oriented at 10, 27 and 50 degrees to ca (i.e., at ~345.45 - 345.80m). Chlorite stylolites locally associated with, or closely proximal within a couple mm's of, very fine-grained subhedral disseminated pyrite grains. Trace wisp of bright green fuchsite occurs intermittently throughout unit in the siliceous matrix.

~0.5-2% wispy white quartz-carbonate stringers/narrow veinlets variably oriented at 20-25, 36-45 degrees to ca. Veinlets and stringers generally barren and vary in width between 1mm and 1 cm, and tend to be on the narrower side of that spectrum. Widest white quartz-carbonate veinlet up to ~4.5cm wide at ~351.0m contains minor fine- to medium-grained subhedral pyrite disseminations contained therein (veinlet upper and lower contacts oriented at 32 and 38 degrees to ca, respectively). Local wider veinlets at ~1 cm tend to be sigmoidal and gently undulate to parallel along the long axis of the core. Local trace medium-grained subhedral pyrite disseminations observed in white quartz-carbonate veinlets oriented at 45 degrees to ca and 1 cm wide (i.e., @ ~350.35m). Barren ~5mm wide clear-white/translucent quartz-carbonate veinlets oriented at 65 degrees are barren, but feature very fine- to fine-grained stubby disseminated arsenopyrite grains closely proximal to, or tangential along veinlet contacts. Late-stage brittle white mm-wide carbonate-infilled stringers crosscut fabric at 35-42 degrees to ca. Local white carbonate veinlets ~2-3mm wide with intermittent dark green chlorite clots oriented at ~5-7 degrees to ca and are crosscut by white ~1 cm wide quartz-carbonate veinlets oriented at 45-55 degrees to ca and feature very fine- to medium-grained subhedral disseminated pyrite along their contacts. Local small vugs at ~352.6m within 45-55 degrees veinlets.

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Healed fractures not observed in direct association with sulfides and tend to be oriented at 20-25 and 30-35 degrees to ca. Estimated RQD ~75-80% - most common joint set at 30 degrees to ca. Gradational lower contact. Can discern strongly altered mafic conglomerate unit below, starting at 352.87m, but the irregular veining and associated strong alteration of the felsite unit appears to be dominant until ~353.0m. Fabric of lower mafic conglomerate is oriented at 82 degrees to ca, at 353.0m.																			
353.00	353.90	**MAFIC CONGLOMERATE** No VG observed in unit. Vaguely striped appearance due to stretched dark green / chloritic clasts (~30%) pervasively through unit. Stretching ratio is 3.5cm by 3mm wide. Well-developed fabric oriented at 68-80 degrees to ca. ~7-10% pale grey and white quartz-carbonate veinlets mostly conformable to host rock fabric and oriented at 76-80 degrees to ca, and generally 3mm to 1 cm wide. When present, sulfides observed usually amongst grey-coloured veins/blebs. ~0.5% bands of very fine- to fine-grained subhedral disseminated cubic pyrite vary in width between ~2 and 8mm and are generally conformable to the host rock fabric. Pyrite also occurs as fine- to fine-grained disseminations closely associated with <mm wide fuchsite wisps, parallel to dark green chloritic clasts. Within greyish pods/lenses/patches of silica flooding, locally are very fine- to fine-grained disseminations of stubby arsenopyrite grains, usually associated with fine-grained	MF CON	w	w	7-10	tr	034	353.00	353.90	0.90	0.5-1	<0.5			0.313					

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		disseminated pyrite. More rarely observed were fine-grained acicular arsenopyrite grains near the upper contact. Dark green chlorite is very soft when scratched with scribe. Local yellowish beige diffusive patches of carbonate-albite alteration. Intermittent weak bright green fuchsite wisps occur so stretched parallel to host rock fabric.Trace bright yellow fine sericite wisps associated locally with fuchsite. Gradational/irregular lower contact due to silica flooding and stronger alteration in below unit. Fabric at 353.90m is oriented at 65 degrees to ca.																			
353.90	356.85	**FELSITE** No VG observed in unit. ~355.3 - 355.58m features re-drilled core. Compared to 345.05-353.0m, this interval is heterogeneous in terms of its appearance and features altered brecciated veining with recurring intervals of dark to bright yellow-ish green alteration (albite-fuchsite-silicification). Pervasively very siliceous with moderate-strong albite-Fe carbonate alteration. Odd black to dark green chlorite and bright green stylolites occur in more siliceous zones and are oriented at 45-50 degrees to ca. Local wisps of bright yellow sericite with small fine-grained flecks of bright green fuchsite within them. ~0.5-2% very fine- to fine-grained disseminated subhedral cubic pyrite most common; local pyrite stringers/stylolites at ~64-78 degrees to ca (i.e., at ~355.0m). Trace 7mm by 1.5mm wide reddish brown bleb of sphalerite at 354.90m, hosted within 1.5-2mm wide white quartz-carbonate veinlet oriented at 31 degrees	FEL	m-s	m-s	3-4	v.wk	035	353.90	354.52	0.62	0.5-1	-			0.066					
			FEL	m-s	m-s	3-4	-	036	354.52	355.58	1.06	1-2	-			0.062					
			FEL	w-m	w-m	7-10	-	037	355.58	356.00	0.42	0.5	0.5			0.164					
			FEL	w	w-m	3-4	tr	038	356.00	356.84	0.84	0.5	0.5			0.063					
			BLANK	N/A	N/A	N/A	N/A	039	356.84	356.84	0.00	N/A	N/A			0.002					

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

to ca. Odd small clot of dark green chlorite occurs within veinlet. Trace very fine- to fine-grained pyrite subhedral disseminations occur closely proximal, or tangential to veinlet. No other sulfides within boundaries of veinlet. Veinlet locally crosscuts mm-wide pyrite stringer oriented at 60 degrees to ca. Sphalerite is mostly on side of core to remain in box.

~0.5% very fine- to fine-grained stubby disseminated arsenopyrite appears most locally abundant in intervals of stronger fuchsite+/-chlorite content. No acicular arsenopyrite observed. In these fuchsite-rich ~inch wide intervals, arsenopyrite appears to be the dominant sulfide.

Trace very fine- to fine-grained bleb of chalcopyrite observed within white quartz-carbonate veinlet oriented at 30 degrees to ca and ~8mm wide. Intermittent clots of dark green chlorite are common throughout the veinlet. Chalcopyrite is on side of core to be sampled. Veinlet is crosccut by another white 3mm-wide quartz-carbonate veinlet (lacking sulfides but has a single small clot of chlorite) oriented at 23 degrees to ca.

~3-10% white quartz-carbonate veining and stringers between 1.5mm to 2.1cm wide, variably oriented at 30-35 degrees to ca (seem to be most common) and 65-70 degrees to ca. Small dark clots of chlorite are common within most veinlets regardless of orientation. Most veinlets are barren.

Breccia/altered veining occurs @
- ~355.58 - 355.81m
  - diffusive, gradational upper and lower contacts
  - pale grey with pervasive pale beige hued carbonate- and albite-altered subrounded breccia fragments and dark green-black chlorite and bright green fuchsite stylolites. Very fine- to fine-grained pyrite occurs as disseminations throughout. White

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

to pale cream-coloured carbonate (barren) veinlets up to ~2-3mm wide oriented at 20-25 degrees to ca crosscut the mica stylolites.

- ~7-10% white quartz-carbonate veining

-356.00 - ~356.50m

- sharp upper contact @ 70 degrees to ca and irregular blebby lower contact
- Dark greenish grey chlorite- carbonate- and silica-altered host rock fragments with diffusive contacts. Breccia fragments/patchy alteration dominates actual veining. Odd bright green fuchsite/pale yellow sericite wisps oriented at 70-75 degrees to ca.
- local trace very fine- to fine-grained stubby arsenopyrite grains proximal to fuchsite wisps, but hosted within pale grey/transulcent quartz and observed at 356.55m within fuchsite-altered band at ~60-65 degrees to ca (weakly folded). Arsenopyrite appears slightly coarser when hosted within fuchsite versus in quartz.

Local healed fractures at 30-35 degrees to ca. No observed sulfides in association with them.

Fabric is not well-preserved due to intensity of alteration.

Gradational/irregular lower contact due to decreasing alteration in below unit. Fabric at 356.85m is oriented at 63 degrees to ca.

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
356.85	357.97	**FUCHSITE CONGLOMERATE**	F CON	v.wk	w	5-7	-	040	356.85	357.44	0.59	tr	tr			0.037					
			F CON	v.wk	w	5-7	-	041	357.44	357.97	0.53	tr	0.5			1.500					

No VG observed in unit.

356.85 - 357.44m: Mafic conglomerate with weak bright green fuchsite
- appears very similar to @ 353.0 - 353.90m.
- fabric @ 70 degrees to ca.
- trace very fine- to fine-grained stubby arsenopyrite observed with slightly blue-ish grey quartz lense/veinlet oriented at 57 degrees to ca and ~1cm wide, semi-conformable to host rock fabric. Some discontinuous blue-hued grey quartz blebs locally contain one grain of trace fine-grained chalcopyrite (at about same depth as arsenopyrite @ ~357.10-357.20m).
- fuchsite content increases gradually near lower content (brighter green colour)

357.44 - 357.97m: Fuchsite conglomerate
- moderately to well-developed fabric at 60 degrees to ca
- moderate to strong fuchsite
- overall, trace very fine- to fine-grained disseminated pyrite down to 357.8m. Between 357.8 and 357.97, fine-grained stubby arsenopyrite suddenly becomes abundant/pervasive at ~0.5-1% as fuchsite intensity increases.
- ~5-7% pale blue-ish grey quartz-carbonate veinlets generally conformable to host rock fabric at 60-65 degrees to ca and about ~1 cm wide. Veinlets are blebby and discontinuous locally.

Sharp lower contact @ 67 degrees to ca.

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
357.97	359.10	**FELSITE** Appears very similar to @ 354.52 - 355.58m. Resembles brecciated, very silcieous vein with ~40-55% white quartz-carbonate and pervasive pale beige subrounded breccia fragments with diffusive boundaries, intermittent but common bright green fuchsite altered patches with locally abundant fine-grained disseminated stubby arsenopyrite concentrated therein. Odd black to dark green chlorite stylolite occurs throughout the vein and oriented at 70 degrees to ca. ~3-5% white 3-5mm wide carbonate stringers oriented at 20-30 degrees to ca occur throughout and usually crosscut all other features in core. No sulfides observed therein. Pyrite mainly occurs as fine-grained disseminations, but in the latter ~half of the unit, it commonly occurs as mm-wide stringers oriented fairly consistently at ~60 degrees to ca. In the latter half of the unit, trace very fine- to fine-grained arsenopyrite occurs in close proximity, or tangentially to a healed fracture, oriented at 23 degrees to ca, and associated with chlorite and trace sericite along the healed fracture. Healed fractures generally barren and oriented at ~25-35 degrees to ca. Alteration intensity mostly obliterates fabric (can very faintly discern via pyrite stringers in latter half of unit). Sharp lower contact at 64 degrees to ca.	FEL	w-m	w-m	40	-	042	357.97	358.64	0.67	0.5-1	0.5			1.540						
			FEL	w	w-m	55	-	043	358.64	359.10	0.46	0.5	tr			3.620						

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
359.10	363.82	**BLONDE CONGLOMERATE**	BL CON	w	m	2-3	-	044	359.10	360.09	0.99	tr	0.5			1.930					
		No VG observed in unit.	BL CON	w	m	2-3	-	045	360.09	360.88	0.79	0.5	tr			1.680					
		Pale greyish beige-yellow with ~20-30% dark green mm-wide chloritic bands (between 361.46- ~363.1m). ~3% blebby pale greyish white quartz-carbonate veinlets generally parallel to host rock fabric. Stetching ratio of ~7 cm long by 3mm wide.	BL CON	w	m-s	0.5	-	046	360.88	361.46	0.58	tr	-			0.067					
			BL CON	w	m-s	3-4	-	047	361.46	361.84	0.38	tr	-			0.020					
			BL CON	w	m-s	1-2	-	048	361.84	362.57	0.73	tr	-			0.032					
			BL CON	w	m	3-4	-	049	362.57	363.00	0.43	0.5	-			0.020					
			BL CON	w	w-m	4-5	-	050	363.00	363.82	0.82	tr	-			0.012					
		Local intervals appear reminiscent of highly stretched mafic conglomerate (i.e., at 359.1 - 360.09m resembles mafic conglomerate that abruptly starts to grade into fuchsite conglomerate just before 360.09m). - stubby fine-grained arsenopyrite is locally abundant in fuchsite-rich patches. - fabric @ ~75 degrees to ca (well-developed fabric). - gradational lower contact due to alteration																			
		359.74 - 361.46m: very siliceous and resembles a transition into blonde conglomerate with minor fine-grained pyrite and trace very fine- to fine-grained arsenopyrite (stubby) crystals locally in altered matrix. Downhole of ~360.88m, trace to nil sulfides.																			
		361.46 - 363.82m: similar to previous mafic/fuchsite conglomerate with intermittent intervals of blonde conglomerate.																			
		Well-developed fabric at 87-83 degrees to ca.																			
		Sharp lower contact @ 80 degrees to ca.																			

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
363.82	383.38	**ARGILLITE** No VG observed in unit. Dark charcoal grey and laminated with aphanitic black mudstone beds vayring in width between 1mm and 1 cm. Local medium grey sandstones are fine- to medium-grained. Intermittent fine- to medium-grained subhedral cubic pyrite blebs and disseminations occur throughout the bedding in the entire unit. 372.33 - 376.26m: pale yellowish laminated sediments variably albitized, and fabric is well-developed at 85 degrees to ca. - within this interval are weakly mineralied grey massive intermediate dykes at: - 372.66 - 372.93m: upper/lower contacts @ 88 and 68 degrees to ca, respectively. - 373.96 - 374.68m: not a dyke, but dark charocal argillite with ~10-13% pale grey quartz-carbonate with minor trace very fine-grained arsenopyrite; local fine- to medium-grained reddish brown sphalerite within local white carbonate-infilled tension gashes oriented at 40 degrees to ca (@ 374.60m). Younging direction faces downhole, or north based on local graded bedding. Bedding generally oriented at 83-88 degrees to ca. Local cleavage is imparted over bedding, and is oriented at 48-70 degrees to ca (slightly steepens downhole). Bedding shallows to 68 degrees towards lower contact. Unit grades into greenish and weakly altered interval before lower contact. ~3-4% pale grey to white blebby quartz-carbonate veining mostly parallel to bedding and varies in width between 2mm and	ARG	-	-	0.5-1	-	051	363.82	364.68	0.86	tr	-			0.008						
			ARG	-	-	0.5-1	-	052	364.68	365.57	0.89	tr-0.5	-			0.009						
			ARG	-	-	30-33	-	053	365.57	366.00	0.43	0.5-1	-			0.007						
			ARG	-	-	0.5-1	-	054	366.00	367.00	1.00	0.5	-			0.007						
			SED	w	w	2-3	-	055	372.33	372.66	0.33	0.5	-			0.006						
			INT DYK	-	-	3-4	-	056	372.66	372.93	0.27	0.5	-			0.005						
			SED	w	w-m	2-3	v.wk	057	372.93	373.24	0.31	0.5	-			0.011						
			INT DYK	w	w-m	1-2	-	058	373.24	373.96	0.72	1-2	0.5			1.370						
			BLANK	N/A	N/A	N/A	N/A	059	373.96	373.96	0.00	N/A	N/A			0.002						
			ARG	-	-	10-13	-	060	373.96	374.68	0.72	0.5-1	tr			0.757						
			STD	N/A	N/A	N/A	N/A	061	374.68	374.68	0.00	N/A	N/A			3.020						
			SED	v.wk	-	2-3	-	062	374.68	375.58	0.90	tr	-			0.006						
			SED	v.wk	v.wk	0.5	-	063	375.58	376.26	0.68	tr	tr			0.088						

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		7.8cm (mostly <5mm wide). Stringers of various orientations occasionally bear trace fine- to medium-grained pyrite disseminations. Sharp lower contact @ 61 degrees to ca.																			
383.38	388.97	**MINERALIZED INTERMEDIATE DYKE** Massive, medium grey intermediate dykes with pervasive trace to 1-2% very fine- to medium-grained subhedral to euhedral cubic pyrite disseminations. Local interval of mafic dyke or possible fine-grained ultramafics @ 385.82-386.74m (sharp upper/lower contacts @ 65 and 48 degrees to ca, respectively; dark greyish green, massive with ~~1-2% wispy barren carbonate stringers and a narrow cream-coloured carbonate rich dyke with blebby dark green chlorite? throughout at 386.03-386.15m (upper and lower contacts @ 69 and 62 degrees to ca, respectively). Trace to minor fine-grained disseminated pyrite and trace fine-grained stubby arsenopyrite grains scattered throughout matrix. Non-magnetic. Intermediate dyke has faint mauve undertone to its colour and contains mostly very fine- to fine-grained disseminated subhedral to euhedral cubic pyrite throughout its matrix. Locally, trace very fine- to fine-grained stubby arsenopyrite grains are also disseminated in the matrix. ~0.5-2% wispy white quartz-carbonate stringers/veinlets/discontinuous blebs generally between ~3mm and 5mm wide (get as wide to <4 cm) and are variably oriented at 25-30 and 60-70 degrees to ca and regardless of orientation, tend to be barren. Slighter wider veinlets may contain odd small clot of dark green chlorite. Sigmoidal veinlet undulating along ca at ~386.74m. Unit is massive.	INT DYK	-	-	3-4	-	064	382.14	382.40	0.26	tr	-			0.002						
			SED	-	-	1-2	-	065	382.40	383.10	0.70	tr	-			0.002						
			SED	-	w-m	0.5-1	-	066	383.10	383.38	0.28	tr	-			0.002						
			INT DYK	-	-	0.5-1	-	067	383.38	384.00	0.62	tr	tr			0.002						
			INT DYK	-	-	1-2	-	068	384.00	385.00	1.00	0.5	-			0.002						
			INT DYK	-	-	0.5-1	-	069	385.00	385.73	0.73	2-3	0.5			0.015						
			MF DYK	-	-	0.5-1	-	070	385.73	386.74	1.01	tr-0.5	tr			0.007						
			INT DYK	-	-	1-2	-	071	386.74	387.43	0.69	0.5-1	-			0.009						
			INT DYK	-	-	1-2	-	072	387.43	387.63	0.20	tr-0.5	tr			0.009						
			INT DYK	-	-	0.5-1	-	073	387.63	388.28	0.65	0.5	-			0.017						
			INT DYK	-	-	0.5-1	-	074	388.28	388.97	0.69	0.5	-			0.017						

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		Sharp lower contact @ 78 degrees to ca.																			
388.97	393.70	**ULTRAMAFIC** Dark green massive unit ribboned with ~4-5% anastomosing white to pale grey wispy carbonate stringers of varying orientations. Intermittent trace to minor very fine- to fine-grained subhedral pyrite disseminations, and less commonly, fine-grained stubby silvery coloured arsenopyrite grains also disseminated (more rarely observed are trace fine-grained acicular arsenopyrite grains). Trace fine-grained equant/stubby arsenopyrite grains scattered intermittently in dark green matrix (~393. 20m). Cannot scratch with fingernail. Can easily scratch with scribe. Weakly serpentine and talc altered. Local dark green chloritic alteration. Non-magnetic. 392.06 - 392.7m: Intermediate Dyke with minor fine-grained disseminated subhedral pyrite and trace fine-grained stubby and acicular arsenopyrite. Trace (total of three) fine-grained chalcopyrite blebs hosted within white quartz-carbonate veinlet in intermediate dyke at 392.06 - 392.7m (clear-white veinlet is 0.6 cm wide and oriented at 62 degrees to ca; local small clots of dark green chlorite common throughout veinlet; no other sulfides observed). Very fine-grained acicular arsenopyrite occur as scattered grains throughout host rock matrix. Massive. Irregular lower contact.	UM	-	-	4-5	-	075	388.97	389.22	0.25	-	-			0.009						
			UM	-	-	4-5	-	076	389.22	390.40	1.18	0.5	-			0.010						
			UM	-	-	4-5	-	077	390.40	391.40	1.00	tr	-			0.007						
			UM	-	-	4-5	-	078	391.40	392.06	0.66	0.5	tr			0.006						
			BLANK	N/A	N/A	N/A	N/A	079	392.06	392.06	0.00	N/A	N/A			0.006						
			INT DYK	-	-	3-4	-	080	392.06	392.70	0.64	0.5	tr			0.010						
			UM	-	-	4-5	-	081	392.70	393.70	1.00	tr-0.5	tr			0.010						

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
393.70	406.21	**MINERALIZED INTERMEDIATE DYKE** Mauve-hued grey massive intermediate dyke with pervasive weak pyrite mineralization. ~0.5-3% narrow white quartz-carbonate veinlets (sometimes blebby) vary in width between ~0.5mm and 3-4mm and and are oriented at 15-20 degrees to ca, often carry small clots of dark green chlorite and minor fine-grained pyrite contained therein. It seems veinlets with higher chlorite content are associated with more pyrite. Trace fine-grained stubby to prismatic silvery arsenopyrite occurs intermitttently disseminated in host rock matrix. Fine-grained subhedral to euhedral cubic pyrite disseminations are pervasively scattered throughout matrix (i.e., l@ 401.1m). At ~404.35 to ~405.2m, are trace fine-grained acicular arsenopyrite grains within the matrix. Local fine- to medium-grained brassy pyrrhotite blebs at 405.95m hosted within white wispy carbonate stringer featuring dark green chlorite clots, veinlet is 3-4mm wide oriented at 30 degrees to ca. Downhole of ~402-403m, sulfide content drastically decreases overall. Only rare grain of acicular arsenopyrite or one pyrrhotite bleb observed. 396.28 - 397.07m: Fine-grained massive mafic dyke - homogeneous with trace wispy mm-wide white barren carbonate stringers. Trace fine-grained subhedral cubic pyrite grains scattered locally throughout matrix. - Sharp upper and lower contacts @ 40 and 74 degrees to ca, respectively. - Non-magnetic. Relatively hard to scratch with scribe. 399.29 - ~399.87m: Ultramafic Inclusion	INT DYK	-	-	2-3	-	082	393.70	394.70	1.00	1-2	tr			0.034						
			INT DYK	-	-	0.5	-	083	394.70	395.30	0.60	1-2	-			0.071						
			INT DYK	-	-	1-2	-	084	395.30	396.28	0.98	2-3	-			0.049						
			INT DYK	-	-	0.5	-	085	396.28	397.07	0.79	tr	-			0.010						
			INT DYK	-	-	1-2	-	086	397.07	398.00	0.93	3-4	-			0.097						
			INT DYK	-	-	2-3	-	087	398.00	398.82	0.82	2-3	-			0.061						
			INT DYK	-	-	2-3	-	088	398.82	399.29	0.47	4-5	-			1.170						
			UM	-	-	8-10	-	089	399.29	399.87	0.58	-	-			0.188						
			INT DYK	-	-	0.5	-	090	399.87	400.18	0.31	3-4	-			0.010						
			STD	N/A	N/A	N/A	N/A	091	400.18	400.18	0.00	N/A	N/A			9.720						
			UM	-	-	8-10	-	092	400.18	400.69	0.51	tr	-			0.051						
			UM	-	-	5-7	-	093	400.69	400.97	0.28	-	-			0.079						
			INT DYK	-	-	0.5-1	-	094	400.97	402.00	1.03	4-5	tr			0.756						
			INT DYK	-	-	0.5	-	095	402.00	403.00	1.00	tr	-			0.037						
			INT DYK	-	-	0.5	-	096	403.00	404.00	1.00	tr	-			0.029						
			INT DYK	-	-	0.5	-	097	404.00	404.78	0.78	-	tr			0.061						
			INT DYK	-	-	0.5	-	098	404.78	405.48	0.70	1-2	tr			0.715						
			BLANK	N/A	N/A	N/A	N/A	099	405.48	405.48	0.00	N/A	N/A			0.002						
			INT DYK	-	-	0.5-1	-	100	405.48	406.21	0.73	3-4	-			12.700						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-070

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		- Medium olive green ribboned pervasively with white carbonate veining of varying orientations - Sharp upper and lower contacts @ 55 and 35 degrees to ca, respectively, non-magnetic, no observed sulfides. 400.18 - 400.97m: Ultramafic Inclusion - same as at 399.29-399.87m. - sharp upper and lower contacts @ 58 and 80 degrees to ca, respectively. Massive. Sharp lower contact @ 89 degrees to ca.																			
406.21	417.00	**ULTRAMAFIC** Massive dark olive green-coloured matrix ribboned with ~7-10% barren white to pale grey carbonate anastomosing veinlets of varying orientations. Massive. Non-magnetic. Last ~4-5m of unit is increasingly serpentine- and talc-altered due to dark black-ish colour, soapy feel, and very soft (can scratch with fingernail). No sulfides observed in these boxes. EOH @ 417.0m.	UM	-	-	7-10	-	101	406.21	407.21	1.00	-	-			0.026					

Printed: August 4, 2022

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	HR1008			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: one Hex core barrel. Note: due to deviation shown by first attempt at TOG-21-70(A), planned dip was changed from -56.5 to -57. Used DeviShot as downhole survey tool. D.Heerema approved azimuth at set-up.
HOLE NO.:	TG22-071	LENGTH (m):	405.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362592.000	EASTING:	471800.000	COLLAR SURVEY BY: DeviCo Rig Aligner	
SECTION:	TZ_1200W	ZONE:	Thomas Ogden	ELEVATION (m):	300.000	DRILLING COMPANY: DrillCo	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	1.0 / -57.0	SURVEYED:	2.160 / -57.020	DATE LOGGED: Feb. 12, 2022 TO Feb. 19, 2022	Core Storage: Polk Farm
HOLE STARTED:	February 11, 2022	HOLE FINISHED:	February 15, 2022	MAG:	10.75º w	LOGGED BY: S.Huebert	Page 1 of 24

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n Index Carb	Alb	%Qtz	Ser	SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	24.50	**CASING**																			

DeviShot Data:

Depth (m) In/Out	Az (deg) (Raw)	Az (deg) (Corrected)	Dip (deg)	Northing (m)	
36.0m	11.37	1.21	-56.70	0.00	IN
87.0m	9.71	359.55	-55.65	0.00	IN
138.0m	8.19	358.03	-54.63	0.00	IN
189.0m	7.65	357.49	-53.79	0.00	IN
240.0m	6.70	356.54	-52.89	0.00	IN
291.0m	6.46	356.30	-52.24	0.00	
IN					
342.0m	6.14	355.98	-52.30	0.00	IN
393.0m	5.82	355.66	-51.39	0.00	IN
405.0m	6.89	356.73	-51.43	0.00	IN
EOH					

QA/QC Samples:

TOG-22-071-019: BLANK
TOG-22-071-029: STD (CSN-CM-2)
TOG-22-071-039: BLANK
TOG-22-071-059: STD (CDN-GS-3H)
TOG-22-071-061: BLANK
TOG-22-071-081: BLANK
TOG-22-071-089: STD (CDN-CM-44)
TOG-22-071-101: BLANK

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-071

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		TOG-22-071-108: BLANK TOG-22-071-117: BLANK TOG-22-071-119: STD (CDN-GS-3U) TOG-22-071-121: BLANK TOG-22-071-141: BLANK																			
24.50	101.56	**MAFIC FRAGMENTAL** This unit consists of heterogeneous fragments and quite variable from more mafic rich to felsic in composition and appear to form weak layers from mafic to felsic. Stretching ratio of clasts (Length: width) is generally about 2.5:1. Patches within the unit are gritty in appearance and resemble coarser sandstones. General alignment of the fragments and mineral alignment is at 55 degrees to ca. The volcanic host is a chloritic fine-grained andesite. The clasts are dacitic to rhyolitic with a cream to soft beige colouration with speckled green chlorite within. The contacts are generally sharp and sub-angular with occasional rounded clasts ranging from <1cm to 1m in length. The foliation of the unit varies with weak and moderate sections. Occasional secondary white to semi-transparent quartz stringers and veinlets (<1cm) and local association with epidote. Trace hematite present along occasional fracture faces. Trace very fine- to fine-grained pyrite disseminations occur locally adjacent to, or tangentially along narrow white quartz-carbonate stringers/veinlets. Overall, ~3-4% white to clear quartz-carbonate stringers and veinlets between a couple of mm's wide up to 10.5 cm wide (and often associated with clots of dark green chlorite). Odd veinlet presents small vugs (no sulfides observed in association with these stringers). Veinlets generally crosscut fabric and vary in orientation between 10 and 70 deg tca (most between 50 and																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-071

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

60 deg tca). Stringers/veinlets generally wispy and extensional. Rare veinlet is sigmoidal and associated with trace fine-grained subhedral to euhedral cubic pyrite disseminations along its contacts.

Local patches of weak-mod dark green chloritization associated with wider veinlets/blebs of white quartz-carbonate. Trace fine- to very fine-grained subhedral to euhedral cubic pyrite diseminations often occur interstitally along quartz blebs, or along quartz bleb contacts.

29.27 - 29.55m: intermediate dike
-sharp upper and lower contacts at 45 and 50 degrees resp.
-grey/brown coloaration
-fine-grained
-minor disseminated pyrite

37.49 - 37.66m: intermediate dike
-sharp upper and lower contacts at 55 and 50 degrees to ca, respectively
-fine-grained, gritty
-same greyish mauve-brown colour as at 29.27-29.55m.
-trace disseminated very fine- to fine-grained cubic pyrite

64.98-65.09m: Granular white quartz vein, tr very fine-grained pyrite observed within adjacent host rock, but vein itself appears to be barren of visible sulfides. Trace small dark green chlorite clots. Narrow chlorite wisps locally oriented at 55 deg tca. Adjacent host rock is dark green and appears finer grained due to localized chloritization.

71.08 - 71.135m: intermediate dykelet
-sharp parallel upper and lower contacts both at 54 deg tca, respectively

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-071

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		- fine-grained, homogeneous, medium to dark greyish buff-brown colour - similar to above two intermediate dykes - pervasive ~1% very fine-grained disseminated cubic pyrite 78.765 - 78.815m: intermediate dykelet - same as previous, but contacts not exactly parallel. Upper and lower contacts @ 52 and 40 deg tca, respectively. - dyke is crosscut by barren mm-wide white carb-qtz stringer oriented at 42 deg tca (with tiny clots of dark green chlorite throughout). 81.76 - 83.34m: Mafic to intermediate dike -sharp upper and lower contacts at 43 and 50 degrees to ca respectively. -fine-grained -dark green/grey/brown colouration -minor secondary quartz stringers with trace carbonate. Most veinlets associated with clots of dark green chlorite. A couple of white carb+dark green chlorite stringers oriented at 38-40 deg tca feature small vugs. Vuggy stringers are devoid of visible sulfides. -trace disseminated pyrite 90.26 - 90.49m: Intermediate dyke - sharp sub-parallel upper and lower contacts @ 61 and 62 deg tca, respectively. - greenish-grey buff in colour, very fine-grained - ~3-4% light grey blebby sinuous carbonate-quartz stringers/veinlets - trace to minor fine- to medium-grained subhedral to euhedral pyrite disseminations throughout matrix, and tangential locally along dark green chlorite selvages along carb-quartz stringers. Sharp lower contact @ 63 deg tca																				

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-071

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
101.56	118.10	**MAFIC-INTERMEDIATE TUFF**																			

Medium to dark green, fine grained with a gritty texture. Unit is relatively competent with minor fracturing. Weak to locally moderate foliation @52-60 deg to c.a. with horneblende clots (1-3mm) aligned parallel to foliation. Occassional white quartz veins (2-5mm) predominently @ 39-70 deg. To c.a. Locally grades to dacitic in composition. Relatively unaltered and unmineralized and non-magnetic. Unit becomes more foliated near lower contact. Relatively sharp lower contact @40 deg to tca with associated strong foliation. Trace fine- to medium grained disseminated cubic subhedral pyrite scattered grains throughout matrix.

101.56 - 102.21m: Strong gossan-like rusty orange staining with vaguely defined bands of reddish hematite and dark green chlorite around it. Weakly defined fabric @ 70-74 deg tca. Trace white to pale cream carbonate-quartz wisps (mm-wide) occur locally. Trace very fine-grained subhedral pyrite cubic disseminations.

102.21 - ~104.0m: weak to moderate dark green chlorite alteration is pervasive with ~5-8% pale greenish yellow sericite (and minor epidote) wisps throughout most commonly oriented at 75-77 deg tca.~2-3% white carb-quartz stringers mm-wide; odd one bears small vugs (but no observed sulfides).

107.32 - 108.0m: highly fractured interval (RQDof 0). Small to 7mm wide vugs common throughout matrix. Matrix appears pitted, gritty possible due to dissolution.

117.59 - 118.1m: resembles basal layer of chlorite schist, as seen at 122.7 - 127.12m. Dark green, fine-grained with ~30%

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-071

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		white to pale cream coloured fine-grained equant subhedral-anhedral feldspar? Phenocrysts. Very weak fabric.																			
118.10	122.77	**CHLORITE-SERICITE SCHIST** 47-50 deg foliation This is an extremely foliated unit with ribboned white/pale yellow bands consisting of qtz/felds/carb which has been partially altered to sericite. The unit has undergone immense alteration with ribbon-like bands upto 1.5cm at various orientations with a preferential orientation of 47-50 deg tca. Cubic pyrite common ranging from trace to 0.5%. Lower contact @ Approx 40 deg to c.a. Unit is strongly foliated and host rock is moderately silicified and grey in color.																			
122.77	185.48	**CHLORITE SCHIST** This is an extremely foliated unit that resembles the way an ultramafic gets foliated and ribboned by white qtz/felds/carb. The unit has undergone strong chlorite alteration with weak to locally moderate fuchsite alteration that results in a very distinct green colouration. Parts of the unit are slightly darker with slight serpentine alteration and a typical peridotite specked appearance. The unit is intruded fairly heavily by white quartz/felds/carb stringers at random angles to ca as well as showing evidence of deformation through locally prominent S and Z folding. Quartz veins commonly contain trace to 0.5% finelly disseminated pyrite and commonly are fe-carb altered with brown staining locally.Gradational lower contact with ultramafics. Top 6m of unit is more of a gritty tuffaceious unit which exits a moderate foliation and chlorite/hbl clots throughout. Intermittent and local weak to moderate bright green fuchsite within schist, and along odd white quartz-carbonate																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-071

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

veinlet.

Weakly defined fabric at 50-60 deg tca
resembles basal layer of chlorite schist, as seen at 122.7 - 127.12m. Dark green, fine-grained with ~30% white to pale cream coloured fine-grained equant subhedral-anhedral feldspar? Phenocrysts. Very weak fabric.

~4-6% Rose to salmon pink hued veinlets 4mm to 13 cm wide oriented at 49-58 deg tca occur intermittently throughout basal interval. Pink colouration derived from fine-grained garnets? Trace to minor fine-grained pyrite disseminations occur locally along vein/veinlet boundaries.

150.16 - 151.96m: Felsite-like dyke (no sulfides observed)
- light grey with subtle gradations into pale yellow
- fine-grained with medium- to very coarse-grained amorphous blebs of dark green chlorite/chlorite schist inclusions
- ~3-5% white quartz-carbonate veinlets between 4mm and 1 cm wide, oriented variably at 34, and 50-55 deg tca, respectively. Local fine- to medium-grained white albite and carbonate along veinlet boundaries.
- Sharp upper and lower contacts at 47 and 53 deg tca, respectively.
- no observed sulfides
- strongly silicified/albitized

165.42 - 165.60m: Felsic-Intermediate Dyke
- light greyish cream in colour; fine- to medium-grained
- no sulfides observed
- sharp upper and lower contacts at 67 and 52 deg tca, respectively
- vaguely mottled-like texture is uniform throughout dyke
- no veining within sub-unit

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-071

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		170.53 - 174.70m: Medium grey fine-grained ultramafic inclusion? - medium to dark grey - fine-grained - non-magnetic - local bleached/mottled appearance for first ~0.2m of sub-unit. - ~4-5% white wispy and narrow <5mm wide carbonate-quartz stringers/blebs at various orientations (between 39-63 deg tca) - local (~5-10%) fine-grained white to pale greyish cream-coloured carbonate? equant grains. - no sulfides observed - weakly defined fabric																				
185.48	243.00	**ULTRAMAFIC** Well foliated at 40-60 degrees to ca. Non-magnetic. Increasingly serpentine- and talc-altered in last ~6 boxes before lower contact, as indicated by soapy feel, can faintly scratch with fingernail, and almost black in colour. Especially crenulated up to ~196.70m. Fabric between 184.64 and 196.70m: 57 to 38 deg tca. Downhole, fabric seems to generally flatten (locally to 38 deg tca). Immense white quartz/felds/calcite veining and stringers throughout averaging 65-70% overall. These white stringers show strong evidence of deformation through crenulations, minor folds and tiny mm-scale off-sets along micro-faults. The unit is altered with grey carbonate and moderate serpentine. Locally weak to moderate bright green fuchsite. Occasional semi-transparent to white quartz veinlets (1-4cm wide) cross cut the foliation. Occasional black serpentine stringers cross-cut the foliation along minor slip planes. Upper portion is unit is	UM	-	-	15	-	001	241.00	242.00	1.00	-	-			0.014						
			UM	-	-	7	-	002	242.00	243.00	1.00	-	-			0.002						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-071

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

slightly harder and more silicious and lighter grey. Unit is not as soft as traditional ultramafic, texturally the same.
Non-magnetic
Trace pyrite at best.

185.48 - 185.64m: Light buff-hued dyke
- fine-grained
- mottled-like texture
- no observed sulfides
- sharp upper and lower contacts @ 56 and 53 deg tca, respectively.
- moderately defined fabric @ 55 deg tca
- weakly albitized along contacts yields pale yellow-ish colour
- non-magnetic

Local narrow intervals of buff-coloured altered sediments inclusions or localized strong alteration @ 187.36-187.49m (upper & lower contacts @ 49 & 55 deg tca, respectively) and 194.03-194.09m (parallel upper & lower contacts both @ 62 deg tca). Trace fine-grained disseminated pyrite in former, no sulfides observed in latter interval.

Locally strongly bleached intervals superficially resembles laminated sediments (light to medium grey with trace fine-grained disseminated subhedral cubic pyrite).
219.94 - 219.98m: upper and lower contacts at 44 and 48 deg tca, respectively
220.03 - 220.1m: upper and lower contacts at 47 and 46 deg tca, respectively
222.24 - 222.60m: upper and lower contacts at 44 and 45 deg tca, respectively
232.37-232.65m: upper and lower contacts at 37 and 44 deg tca, respectively
233.49-234.78m: upper and lower contacts at 38 and 52 deg

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-071

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		tca, respectively Sharp lower contact @ 48 deg tca.																			
243.00	284.95	**CONGLOMERATE** No VG observed Medium to dark taupe-hued grey fine-grained matrix with ~30-40% cream-coloured to less commonly, greyish green, coloured clasts - all elongated parallel to fabric at 35-55 deg tca. Between ~245 and 263m, foliation is at 40-45 deg tca. Foliation continues to flatten to 30 to 20 degrees downhole between ~263 and 284m. Clasts appear generally siliceous - locally with fine- to medium-grained cream-coloured feldspar-phyric texture. Odd larger clast (>5 cm wide) features localized brecciation along their contacts with white carbonate infill. Clasts vary in width between 3mm and 14cm (est. average ~3 cm). Clasts show an estimated stretching ratio, length to width of about ~4:1. Host rock fabric angle appears to remain consistent between upper and lower contacts. Variably weakly to moderately siliceous. Locally, there are dark greenish black chlorite seams/threads that anastomose along clast contacts (oriented parallel to, or sub-paralllel to fabric of host rock). Dark green chloritic seams appear to often be associated with trace pyrite. ~0.5% very fine to mediu-grained disseminated subhedral to euhedral cubic yellow pyrite occurs as grains mostly constrained to within larger siliceous cream-coloured clasts, or less	CONG	w	tr	5-8	-	003	243.00	244.00	1.00	tr	-			0.002					
			CONG	w	tr	5-8	-	004	244.00	245.00	1.00	tr	-			0.002					
			CONG	w	tr	2-3	-	005	245.00	246.00	1.00	tr	-			0.002					
			CONG	w	w	7-10	-	006	246.00	246.56	0.56	tr	-			0.002					
			CONG	-	-	1	-	007	246.56	247.37	0.81	tr	-			0.037					
			CONG	-	-	1	-	008	247.37	248.02	0.65	tr	-			0.002					
			CONG	-	-	1	-	009	248.02	249.00	0.98	tr	-			0.002					
			CONG	tr	tr	4-5	-	010	249.00	249.70	0.70	tr	-			0.017					
			CONG	-	-	0	-	011	249.70	250.20	0.50	0	-			0.020					
			CONG	-	tr	2-3	-	012	250.20	251.00	0.80	tr	-			0.194					
			CONG	-	tr-w	1-2	-	013	251.00	252.00	1.00	tr	-			0.005					
			CONG	tr	w	2-3	-	014	252.00	252.96	0.96	0	-			0.047					
			CONG	w	m	3-4	-	015	252.96	253.92	0.96	tr	-			0.013					
			CONG	w	m-s	5-7	-	016	253.92	254.80	0.88	tr	-			0.023					
			CONG	w	m	5-7	tr-w	017	254.80	255.90	1.10	tr	-			0.002					
			CONG	w	w-m	1-2	tr-w	018	255.90	257.00	1.10	tr	-			0.006					
			BLANK	N/A	N/A	N/A	N/A	019	257.00	257.00	0.00	N/A	N/A			0.002					
			CONG	w	w-m	2-3	tr-w	020	257.00	258.00	1.00	tr	-			0.223					
			CONG	w	w-m	4-5	tr-w	021	258.00	259.00	1.00	tr	-			0.017					
			CONG	w	w-m	3-4	tr-w	022	259.00	259.96	0.96	tr	-			0.014					
			CONG	w	w	1-2	-	023	259.96	261.00	1.04	tr	-			0.002					
			CONG	w	w	0.5-1	-	024	261.00	262.00	1.00	tr	-			0.002					
			CONG	w	w	1	-	025	262.00	263.00	1.00	tr	-			0.002					
			CONG	-	w	0.5	-	026	263.00	264.00	1.00	tr	-			0.002					
			CONG	-	-	2-3	-	027	264.00	265.00	1.00	tr	-			0.002					
			CONG	-	tr	15	-	028	265.00	265.47	0.47	tr-0.5	-			0.015					
			STD	N/A	N/A	N/A	N/A	029	265.47	265.47	0.00	N/A	N/A			1.450					
			CONG	-	w	0.5	-	030	265.47	266.40	0.93	tr	-			0.005					
			CONG	-	w	0.5	-	031	266.40	267.50	1.10	tr	-			0.002					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-071

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		commonly, as discontinuous mm-wide stringers/wisps oriented at 60 deg tca, along 6mm wide dark green band of chlorite.	CONG	-	w	1	-	032	267.50	268.50	1.00	0.5	-			0.002					
			CONG	-	-	0.5	-	033	268.50	269.50	1.00	tr	-			0.002					
		~3% white blebby quartz-carbonate veinlets at varying orientations: and seem to mostly crosscut host rock fabric. Veinlets are ~1mm to 3.1 cm wide (average ~1 cm wide).	CONG	-	tr-w	4-5	-	034	269.50	270.60	1.10	tr	-			0.002					
			CONG	-	-	0.5-1	-	035	270.60	271.70	1.10	tr	-			0.002					
			CONG	-	w-m	0.5	tr	036	271.70	272.70	1.00	tr	-			0.005					
			CONG	-	w-m	3-4	-	037	272.70	273.70	1.00	tr	-			0.078					
			CONG	-	w	0.5	-	038	273.70	274.68	0.98	tr	-			0.002					
		Weakly siliceous/bleached at upper contact to about 246.56m. Local greenish hued "blonde conglomerate" at 253.92-259.96m. Locally moderate albitization yields pale cream colour (i.e., ~274.8-276.68m). Albitization also increases in intensity and prevalence downhole of ~281m and grades into below unit.	BLANK	N/A	N/A	N/A	N/A	039	274.68	274.68	0.00	N/A	N/A			0.002					
			CONG	tr	w-m	0.5	-	040	274.68	275.68	1.00	-	-			0.002					
			CONG	w	m-s	0.5	tr	041	275.68	276.68	1.00	tr	-			0.012					
			CONG	-	tr-w	1-2	-	042	276.68	277.68	1.00	tr	-			0.005					
			CONG	-	w	0.5	-	043	277.68	278.90	1.22	tr	-			0.002					
			CONG	-	tr-w	1	-	044	278.90	280.00	1.10	tr	-			0.002					
		Sharp lower contact at 25 deg tca.	CONG	-	w	0.5	-	045	280.00	281.00	1.00	tr	-			0.013					
			CONG	-	w	0.5	-	046	281.00	282.00	1.00	tr	-			0.011					
			CONG	-	m	0.5	-	047	282.00	283.00	1.00	tr	-			0.372					
			CONG	-	w	0.5	-	048	283.00	284.00	1.00	tr	-			0.016					
			CONG	-	w	1	-	049	284.00	284.95	0.95	tr	-			0.032					
284.95	297.30	**BLONDE CONGLOMERATE**	BL CON	-	m-s	0.5	-	050	284.95	286.00	1.05	1	-			12.300					
		No VG observed.	BL CON	w	m-s	0.5	-	051	286.00	287.00	1.00	1	-			0.306					
			BL CON	w	m-s	1	-	052	287.00	288.00	1.00	0.5-1	-			0.266					
		Resembles above unit except features pervasive moderate pale yellowish beige albitization-sericitization, and silicification, with minor local Fe carb. Rare wisp of bright green fuschite within strong albitized patches. Hard when scratched with scribe. Alteration intensity generally strong overall, but pulses in and out of intensity as shown by discernable pale cream-hued conglomerate clasts (locally showing elongation parallel to long axis of core @ ~292.05-293.0m. Stretching ratio is about 5:1).	BL CON	w	m-s	0.5	-	053	288.00	288.83	0.83	0.5-1	-			0.027					
			BL CON	tr-w	m-s	0.5-1	-	054	288.83	289.60	0.77	tr-0.5	tr-.5			0.667					
			BL CON	w	m-s	0.5	-	055	289.60	290.36	0.76	tr-0.5	0.5			0.297					
			BL CON	tr-w	s	0.5	-	056	290.36	291.00	0.64	0.5-1	tr			0.677					
			BL CON	tr-w	s	1-2	-	057	291.00	292.05	1.05	1-2	-			0.094					
			BL CON	tr	w	1	-	058	292.05	293.00	0.95	tr-0.5	-			0.014					
			STD	N/A	N/A	N/A	N/A	059	293.00	293.00	0.00	N/A	N/A			2.990					
		~2-3% white wispy/blebby quartz-carbonate veinlets, at 20-30 deg tca, and less commonly at 50-60 deg tca, also present less commonly, are low-angle, or mm-wide white quartz-carbonate	BL CON	-	w-m	1	-	060	293.00	294.00	1.00	tr	-			0.002					
			BLANK	N/A	N/A	N/A	N/A	061	294.00	294.00	0.00	N/A	N/A			0.002					
			BL CON	-	m	0.5	-	062	294.00	294.80	0.80	tr	-			0.020					
			BL CON	tr-w	w-m	0.5	-	063	294.80	295.80	1.00	tr	-			0.002					
			BL CON	tr-w	w-m	0.5	-	064	295.80	297.00	1.20	tr	-			0.002					
			BL CON	-	w-m	2-3	-	065	297.00	297.30	0.30	-	-			0.005					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		sigmoidal veinlets. It does not appear that one orientation is preferentially asociated with sulfides. In particularly silicified intervals exist locally abundant healed fractures/narrow white carb wisps oriented at 60-65 deg tca (locally crosscut by narrow white carb-qtz stringers oriented at 20-25 deg tca). Sulfides generally occur as pervasive scattered disseminations throughout the strongly albitized and silicified host rock. Also present, is intermittently occurring very fine-grained acicular to stubby arsenopyrite grains (often observed in associated with deep blue-ish-grey dark green chlorite patches - but also observed locally within pale cream-coloured intervals of strong albitization). Overall, trace to locally up to 1-2% very fine-grained subhedral to euhedral cubic pyrite disseminations and trace to 0.5% very fine-grained intermittently occurring arsenopyrite needles/stubby crystals. Fabric is not well preserved for most of unit due to alteration intensity until downhole of ~293-294m (orientation after this depth occurs commonly at 15-20 deg tca - elongated clasts define fabric and gently undulate along core axis). Gradational lower contact (defined by petering out of strong alteration).																			

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
297.30	304.20	**CONGLOMERATE** No VG observed Local creamy felsic clasts show weak elongation semi-parallel to fabric (sub-parallel to long axis of core). Alpha angles at ~10-15 degrees to ca. Clasts vary locally in abundance and extent of stretching (~23cm:3cm @ 298.7m; 7.5cm:2.8cm @ 299.8m; and 2.5cm:4mm @ 301.8m. 5.5cm:6mm @ 303.2m). Local clasts show sense of movement via tapered tails (i.e., at 297.6m). ~1-2% Narrow wispy pale grey barren carbonate-quartz stringers/veinlets ~2mm wide oriented at 20, 50-60 degrees to ca, all cross-cutting host rock fabric. Pale grey to white carb-quartz stringers generally <5mm wide and are mostly conformable to host rock fabric, but locally crosscut fabric at 40 deg tca. 60 deg tca stringers crosscut 20 deg tca stringers locally. Trace to 0.5% very fine- to fine disseminated subhedral to euhedral cubic pyrite grains scattered throughout matrix. Medium to dark taupe-hued grey fine-grained matrix with ~20-30% cream-coloured to less commonly, greyish green, coloured clasts - all elongated parallel to fabric at 10-20 deg tca. Fabric slightly steepens downhole. Clasts appear generally siliceous - locally with fine- to medium-grained cream-coloured feldspar-phyric texture. Clasts vary in width between 3mm and 14cm (est. average ~3 cm). Clasts show an estimated stretching ratio, length to width of about ~5:1. Variably weakly to moderately siliceous. Gradational lower contact at ~18 deg tca (defined on fabric	CONG	-	-	2	-	066	297.30	298.00	0.70	-	-			0.005						
			CONG	-	-	0.5	-	067	298.00	299.00	1.00	tr	-			0.002						
			CONG	-	-	1	-	068	299.00	300.00	1.00	tr	-			0.002						
			CONG	-	-	1-2	-	069	300.00	301.00	1.00	tr	-			0.002						
			CONG	-	-	0.5	-	070	301.00	302.00	1.00	tr	-			0.002						
			CONG	-	-	0.5-1	-	071	302.00	303.10	1.10	tr	-			0.002						
			CONG	-	w	0	-	072	303.10	304.20	1.10	tr	-			0.002						

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		orientation and extent of increasing alteration)																			
304.20	308.80	**BLONDE CONGLOMERATE** No VG observed. Resembles above unit except texture is ghosted due to overprint of strong alteration that appears pale yellowish beige in colour due to pervasive moderate-strong albitization and silicification, with minor local Fe carb. Rare wisp of bright green fuschite in association with intervals of slightly stronger sericite alteration - micaceous wisps are elongated along plane of fabric. Hard when scratched with scribe. Locally weakly effervesces with HCl - may be subdued due to silicification overprint. ~25-30% Cream-coloured felsic clasts show an average stretching ratio of 3.5cm:5mm. Clasts generally range in size between ~3mm and ~9cm. Odd dark green chloritic clasts show greater elongation at 10.13cm:8mm and comprise ~5% of unit and locally contain trace fine-grained yellow-hued pyrite subhedral-anhedral disseminations. ~0.5% wispy white quartz-carbonate stringers mostly crosscutting fabric at 20-30 and 50-55 deg tca. It does not appear that one orientation is preferentially asociated with sulfides. ~0.5% Sulfides generally occur as very fine- to fine-grained subhedral to euhedral cubic pyrite disseminations or as mm-wide discontinuous wisps (oriented parallel to foliation) at 30-45 degrees to ca. Very fine-grained pyrite disseminations also intimately associated with mm-wide wisps of dark green chlorite either parallel to fabric of host rock, or as discrete wisps	BL CON	tr	m-s	0.5	-	073	304.20	305.28	1.08	tr	-			0.011						
			BL CON	w	s	0.5	tr	074	305.28	306.00	0.72	tr	-			0.016						
			BL CON	tr-w	s	0.5	-	075	306.00	306.90	0.90	tr-0.5	-			0.021						
			BL CON	tr-w	s	0.5	-	076	306.90	308.00	1.10	0.5	-			0.037						
			BL CON	tr	s	0.5	-	077	308.00	308.80	0.80	0.5-1	-			0.028						

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		contained within narrrow quartz-carbonate stringers. Local healed fractures oriented at 25 and 45 deg tca locally associated with thin pale cream-coloured salvage of strong albitization. Fabric orientation and intensity is slightly steeper than above unit (steepens to 23 deg tca, near lower contact). Fabric becomes less discernable as alteration intensity increases downhole and obliterates the former. Gradational lower contact at 23 deg tca (defined by fabric orientation and strong alteration/colouration difference with below unit).																			
308.80	336.77	**FELSITE** 2 Occurrences of VG (each an isolated fine-grained bleb) @ 331.0m (sample 107) & @ 336.70m (sample 116). Pervasive pale buff-wheat beige in colour due to pervasive strong albitization/silicification. Local wisps/small blebs of bright green fuchsite occur intermittently within the altered host rock (not observed in quartz-carbonate veins themselves). Very hard when scratched with scribe. Unit generally has pervasive disseminated very fine- to (less commonly) fine-grained cubic subhedral to euhedral pyrite, mostly constrained within the altered host rock matrix. Pyrite abundance varies as noted in sample breakdown in right-hand table. Trace fine-grained molybdenite described in 309.58-313.15m sub-section. Possible trace very fine-grained stubby arsenopyrite crystals within altered host rock matrix, amongst very fine-grained pyrite disseminations, at ~313.90m; trace very	FEL	w	s	3-4	-	078	308.80	309.58	0.78	1-2	-			0.219						
			FEL	w	s	27-30	-	079	309.58	310.65	1.07	3-4	-			0.071						
			FEL	w	s	5	-	080	310.65	311.23	0.58	4-5	-			0.081						
			BLANK	N/A	N/A	N/A	N/A	081	311.23	311.23	0.00	N/A	N/A			0.002						
			FEL	w	s	17-20	-	082	311.23	312.00	0.77	4-5	-			0.039						
			FEL	w	s	15-18	-	083	312.00	313.15	1.15	3-4	-			0.034						
			FEL	w	s	1	-	084	313.15	314.10	0.95	3-4	-			5.010						
			FEL	w	s	0.5	-	085	314.10	315.00	0.90	3-4	-			0.026						
			FEL	w	s	4-6	-	086	315.00	316.00	1.00	1-2	-			0.051						
			FEL	m-s	s	15-18	-	087	316.00	317.00	1.00	2-3	-			0.080						
			FEL	m-s	s	12-15	-	088	317.00	318.00	1.00	1-2	tr			0.036						
			STD	N/A	N/A	N/A	N/A	089	318.00	318.00	0.00	N/A	N/A			1.450						
			FEL	m-s	s	5	-	090	318.00	319.00	1.00	1	-			0.024						
			FEL	m-s	s	10-12	-	091	319.00	319.70	0.70	3-4	-			0.082						
			FEL	m-s	s	1-2	-	092	319.70	320.17	0.47	2-3	-			0.165						
			FEL	m	s	3-4	-	093	320.17	321.00	0.83	1-2	-			0.160						
			FEL	w-m	s	2-3	-	094	321.00	322.00	1.00	2-3	-			0.101						
			FEL	w	s	1-2	-	095	322.00	323.00	1.00	3-4	-			0.131						

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		fine-grained arsenopyrite observed at 317.6m. Trace medium-grained chalcopyrite hosted within narrow extensional quartz-carbonate stringer oriented at 15 degrees to ca at 336.42m.	FEL	w	s	7-10	-	096	323.00	324.00	1.00	1-2	tr			0.342					
			FEL	w	s	10-12	-	097	324.00	324.63	0.63	2-3	-			0.196					
			FEL	w	s	3-4	-	098	324.63	325.40	0.77	2-3	-			0.749					
			FEL	w	s	17-20	-	099	325.40	326.10	0.70	2-3	-			0.969					
			FEL	w	s	12-15	-	100	326.10	327.16	1.06	2-3	-			0.564					
			BLANK	N/A	N/A	N/A	N/A	101	327.16	327.16	0.00	N/A	N/A			0.002					
			FEL	w	s	4-5	w-m	102	327.16	327.62	0.46	3-4	-			0.876					
			FEL	w	s	4-5	tr	103	327.62	328.27	0.65	2-3	-			0.693					
			FEL	w	s	5-6	tr	104	328.27	329.00	0.73	3-4	-			6.810					
			FEL	w	s	2-3	tr	105	329.00	330.00	1.00	1-2	-			0.309					
			FEL	w	s	15-18	tr	106	330.00	330.83	0.83	4-5	-			0.584					
			FEL	w	s	7-10	-	107	330.83	331.33	0.50	4-5	VG			1.890					
			BLANK	N/A	N/A	N/A	N/A	108	331.33	331.33	0.00	N/A	N/A			0.014					
			FEL	w	s	7-10	tr	109	331.33	332.25	0.92	5-6	-			1.650					
			FEL	w	s	5-8	-	110	332.25	333.00	0.75	4-5	-			0.321					
			FEL	w	s	5-8	-	111	333.00	334.00	1.00	4-5	-			0.258					
			FEL	w-m	s	4-5	-	112	334.00	334.38	0.38	4-5	-			0.238					
			FEL	w	s	2-3	tr-w	113	334.38	334.67	0.29	3-4	-			0.312					
			FEL	w	s	1-2	tr-w	114	334.67	335.70	1.03	2-3	-			0.332					
			FEL	w	s	1-2	tr	115	335.70	336.38	0.68	2-3	-			0.854					
			FEL	w	s	20-23	-	116	336.38	336.77	0.39	2-3	VG			2.910					
			BLANK	N/A	N/A	N/A	N/A	117	336.77	336.77	0.00	N/A	N/A			0.009					
		309.58 - 313.15m: ~20-25% milky white quartz-carbonate veining hosted within strongly altered felsite. Veining commonly features white carbonate within the vein, but mostly concentrated along its contacts. Veinlets generally bear minor very fine- to fine-grained disseminated subhedral to euhedral cubic pyrite disseminations that are preferentially concentrated along, or within any strongly altered host rock fragments. No obvious arsenopyrite observed, Trace fine-grained blue-hued amorphous molybdenite observed within local veinlet @ 310.40m (seen "floating" within quartz, but within a few mm's of intensely bleached host rock fragments <2.5 cm long x 4mm wide). Local silica-flooded contacts appear amorphous, but generally, veinlets are oriented sub-parallel to one another @ 30 to 40 degrees to ca. Locally, veinlets crosscut very fine-grained pyrite stringers oriented at 30 degrees (dipping in direction opposite to veinlets. Healed fractures oriented at 50-55 degrees to ca and appear to crosscut the host rock matrix, but are crosscut by the quartz-carb veinlets. Locally, very fine- to fine-grained disseminated pyrite is concentrated along these hairline healed fractures, yielding an appearance of discrete/discontinuous pyrite wisps that are <4-5mm long.																				
		~314 - 315.2m: clear to light greyish white narrow sigmoidal and gently undulating quartz-carbonate veinlets are the predominant vein style (comprise ~4-5% of unit, in this interval). Very fine-grained disseminated subhedral to euhedral cubic pyrite disseminations, hosted within the wall rock, typically flank the sigmoidal veins at their contacts. Sigmoidal veinlets locally feature minor small clots of dark green chlorite. Sigmoidal tension gashes observed at 314.6m.																			

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

315.2 - ~318.5m: ~15-20% amorphous white quartz-carbonate veining featuring pervasive buff-beige coloured albite/silica/Fe carb-altered subangular-subrounded brecciated host rock fragments <1 cm in width. ~1-2% very fine- to fine-grained subhedral pyrite disseminations. Isolated grains appear slightly coarser. Pyrite occurs as scattered grains throughout the altered matrix, and interstitial to breccia fragments, also locally within small clots of dark green chlorite that occur "floating" within white quartz-carbonate, near breccia fragments. Trace very fine-grained arsenopyrite grains observed "floating" within white quartz-carbonate veining. Healed fractures oriented at 15 degrees to ca, 30-35 degrees to ca (crosscut healed fractures also oriented at 30-35 degrees to ca, but dipping in opposite direction - appear to dipping downhole (note: not confident in dip direction as core not oriented).

318.5 - 319.7m: local sigmoidal white quartz-carbonate veinlets ~3mm to 4cm wide variably oriented at 15-20 degrees to ca and associated with localized caramel orange-ish brown Fe carbonate altered host rock. Veinlets contain local small dark green clots of chlorite and trace fine-grained subhedral pyrite disseminations. Pyrite content is highest in altered host rock matrix and appears to be slightly finer grained in comparison to vein-hosted sulfides.

319.7 - 325.4m: very siliceous - representative appearance of overall unit. Very subtle mauve-hued grey felsite with intermittently ocurring delicate dark green chlorite, and less commonly, pale greenish/yellowish beige-hued sericite, and more rarely, bright green fuchsite threads/wisps. Very fine-grained pyrite occurs pervasively throughout the altered and siliceous host rock matrix, and are also clustered preferentially along the micaceous stylolites/wisps, commonly oriented at

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-071

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

about 30 degrees to ca. Local trace very fine-grained stubby to prismatic arsenopyrite grains observed along odd chlorite wisp at ~323.6m.

325.4 - 327.16m: ~15-20% sigmoidal milky white quartz-carbonate veining between 1 and 3 cm in width, and oriented at 15-30 degrees to ca (locally undulates so sub-parallel to long axis of core). ~15-20% white subhedral equant grains scattered pervasively throughout matrix of host rock. Matrix is same pale mauve-hued grey as above. Very fine-grained disseminated subhedral pyrite occurs mostly throughout altered matrix. Local healed fractures - some associated with narrow dark green chlorite salvages - crosscut the sigmoidal veining at 5, 30, 50 degrees to ca (healed fractures at 5 degrees to ca associated with chlorite). Local brecciated fragments of altered host rock occur within odd veinlet - as large as 6.6 cm wide.

327.16 - 327.62m: strongly albite- , sericite- and silica-altered section of zone yields pale yellowish beige colour. Fabric defined by micaceous texture oriented at 24 degrees to ca. Very fine- to fine-grained pyrite content seems lower compared to pale mauve-hued grey and more siliceous felsite that is the predominant appearance of this unit.

327.62 - 330m: similar to @ 319.7 - 325.4m, but with local trace fuchsite and sericite wisps. Wispy white quartz-carbonate stringers dominant vein style and are generally 0.5 to 3mm wide, oriented at 12, 30, 42 to 57, and 70-80 degrees to ca. The 30 deg stringer locally crosscuts the 57 deg stringer. All stringers generally barren - save for one 42 deg stringer with fine-grained pyrite grains tangential to its contacts.

330 - 334.38m: fine-grained isolated grain of VG at 331.0m, observed tangential to narrow translucent/greyish white quartz-

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

carbonate stringer at 64 degrees to ca and 1mm in width. VG grains is just shy of 1mm in diameter, bright yellow and brilliant lustre - no striations observed on grain due to fine grain size. No sulfides observed within this veinlet. This stringer crosscuts a chlorite wisp oriented at 15 degrees to ca which features pervasive disseminated very fine- to fine-grained pyrite disseminations throughout it.

Zone of ~20-25% sigmoidal and brecciated white quartz-carbonate veining hosted within mauve-hued grey siliceous felsite. Healed fractures occur pervasively and crosscut veining at 20-30 degrees, and at 40 degrees to ca. Local dark green chloritic blebs and clots hosted within quartz-carbonate veinlets at 20-25 degrees to ca and are intimately associated with fine-grained disseminated pyrite. Healed fractures at 25 degrees to ca crosscut fabric at 33-35 degrees to ca. Local bright green fuchsite stylolites (crinkled look due to crenulations) are oriented at ~36 degrees to ca and feature locally abundant fine-grained disseminated pyrite.

334.38 - 335.7m: appears as above, but with intermittent intervals of moderate bright green fuchsite and fabric becomes increasingly strong @ 35 to locally 13 degrees, and eventually 25 degrees to core axis. Fuchsite-rich intervals up to 8 cm wide and carry ~5% very fine-grained disseminated pyrite throughout. Locally moderate Fe carb and weak sericite altertion.

335.7 - 336.77m: VG @ 336.7m. Patch of strong pale wheat-coloured beige albitization from 335.7-~336.18m obscures fabric and carries ~1-2% very fine-grained disseminated pyrite throughout. Between 336.18 and 336.66m, abrupt increase in extensional white quartz-carbonate stringers oriented at 30 degrees (carries trace medium-grained reddish brown sphalerite), as well as barren white stringers at 17 degrees, 27

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-071

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		degrees. Single cluster of VG spans just shy of 2mm in diameter. Bright yellow, brilliant lustre. Hosted along narrow caramel brown-with flecks of dark green stylolite (Fe carb/chlorite). VG-bearing stylolite oriented at 21 degrees to core axis. Stylolite is offset by 2mm locally by a 1mm-wide white quartz-carb stringer oriented at 40 degrees to core axis. Trace medium-grained chalcopyrite hosted within narrow clear/white <1mm wide extensional quartz-carbonate stringer oriented at 15 degrees to ca at 336.42m. Unit appears strongly altered and pervasively siliceous (very hard when scratched with scribe). Alteration type and intensity varies thoughout the unit. Intense alteration mostly obscures fabric. In intervals increasingly distal to zones of veining, fabric and presence of cream-coloured conglomerate clasts are discernable (i.e., 313.4 to ~313.7m). Clasts show a stretching ratio of 4cm:7mm. Clasts are rounded to sub-rounded and preferentially stretched at an orientation of 33-43 degrees to core axis (moderate fabric intensity). Local chloritic patches/clasts (~318.4-318.7m)) - locally define fabric at 25-30 degrees to core axis. Trace very fine-grained disseminated pyrite scattered throughout some dark green chloritic clasts. Lower contact of zone occurs at low angle at 336.66m (at up-dip apex) or 336.77m (down-dip apex). To ensure full felsite contact included, the contact boundary was set at 336.77m. Contact angle is relativel sharp @ 26 degrees to ca.																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
336.77	349.80	**MAFIC CONGLOMERATE** Dark to medium green mafic conglomerate. ~60% dark green mafic chloritic clasts show stretching ratio of 0.5 cm wide by 6 cm long. Local smokey grey qtz-carb pods/lensoids, often host very fine-grained cubic pyrite disseminations (quartz lacks blue-ish undertones). Non-magnetic. Local bright green fuchsite at 344.8m Trace very fine to fine-grained disseminated yellow subhedral to euhedral cubic pyrite. Fabric steepens downhole and is oriented at 24 degrees near upper contact to 38 degrees mid-unit to 45 degrees tca near lower contact. ~3-5% light grey to white extensional quartz-carbonate stringers and veinlets between 2 and 8 mm wide, oriented mostly parallel to foliation. Local barren white extensional quartz-carbonate mm-wide stringers and a veinlet up to 3 cm wide crosscuts fabric @ 20-30 degrees to core axis. Local weak carbonate-albite alteration as shown by zones of pale yellowish beige colouration (i.e., @ 339.85 - ~324m). Gradational lower contact (fabric at 48 deg tca).	CONG	w	-	3-4	-	118	336.77	337.55	0.78	tr	-			0.171						
			STD	N/A	N/A	N/A	N/A	119	337.55	337.55	0.00	N/A	N/A			2.930						
			CONG	w	-	0.5	-	120	337.55	338.35	0.80	tr	-			0.017						
			BLANK	N/A	N/A	N/A	N/A	121	338.35	338.35	0.00	N/A	N/A			0.002						
			CONG	-	-	2-3	-	122	338.35	339.00	0.65	tr-0.5	-			0.084						
			CONG	-	-	4-5	-	123	339.00	339.85	0.85	0.5	tr			0.375						
			CONG	w-m	w-m	4-5	-	124	339.85	340.75	0.90	tr	-			0.223						
			CONG	w-m	w-m	7-8	-	125	340.75	341.45	0.70	tr	-			0.233						
			CONG	w-m	m-s	5-6	-	126	341.45	342.00	0.55	tr	-			0.026						
			CONG	w	w	4-5	-	127	342.00	342.77	0.77	tr	-			0.078						
			CONG	-	-	2-3	-	128	342.77	343.77	1.00	tr	-			0.007						
			CONG	-	-	5-7	-	129	343.77	344.55	0.78	tr	-			0.002						
			CONG	-	-	5-7	-	130	344.55	345.00	0.45	tr	-			0.010						
			CONG	-	-	3-4	-	131	345.00	346.00	1.00	0.5-1	-			0.007						
			CONG	-	-	3-4	-	132	346.00	347.00	1.00	tr	-			0.002						
			CONG	-	-	1-2	-	133	347.00	348.00	1.00	tr	-			0.007						
			CONG	-	-	2-3	-	134	348.00	349.00	1.00	tr	-			0.017						
			CONG	-	-	3-4	-	135	349.00	349.80	0.80	tr	-			0.002						
			CONG	-	-	1-2	-	136	349.80	350.80	1.00	tr	-			0.002						
349.80	351.92	**GREYWACKE** Fine-grained, greenish grey. Non-magnetic. ~1-2% barren wispy white quartz-carbonate extensional stringers at 1mm to 1.8 cm wide and oriented at 5, 20-25, 40-45 degrees to core axis, mostly crosscutting fabric at 48 degrees to core aixs. Trace fine-grained disseminated yellow subhedral cubic pyrite grains scattered throughout matrix. Relatively sharp lower contact at																				

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-071

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		53 degrees to core axis.																			
351.92	384.70	**ARGILLITE** Black to dark charcoal grey laminated argillite with beds ranging in width between 3mm and 4.8 cm. Graded bedding suggests fining downhole, or younging downhole. Local crossbedding oriented at 75 degrees to ca (i.e., @ ~378.6m). Fabric angles generally at 40-50 degrees to ca, but locally crenulated and folded so at flatter angles at 20-25 degrees to ca. Downhole, bedding steepens to 70-88 degreees to ca, on average. Local cleavage imparted on top of bedding oriented at ~70-75 degrees to ca. ~trace to locally 2% Scattered fine- to coarse-grained disseminated pyrite. ~1-3% white extensional quartz-carbonate veinlets at varying orientations. Quartz-dominant veinlets vary in width between 1.8 and 3 cm and tend to be barren and occasionally bear small clots of dark green chlorite. Late-stage white carbonate mm-wide stringers usually crosscut argillite bedding at various angles and tend to be barren. Core angles vary between 20, and 40 and 80 degrees to ca. 365.5 - 366.05m: Medium grey intermediate or greywacke? Dyke Fine grained with 1-2% wispy white carbonate-quartz extensional stringers variably oriented at 35 and 50-55 degrees to ca. Sharp upper and lower contacts at 38 and 31 degrees to ca, respectively. Non-magnetic. Poorly developed fabric. 366.05 - 366.45m : weak-moderate shear with trace fine-grained disseminated pyrite. Pale yellowish beige in colour due to weak-mod sericite/albite alteration. 366.45 - 367.77m: similar to @ 365.5-366.05m. Very poorly	ARG	-	-	1	-	137	383.70	384.70	1.00		-			0.710					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		developed fabric, slightly more white carbonate-quartz veining with mm-wide dark green chloritic salvages flanking its contacts and within the carb-quartz, there is trace fine- to medium-grained subhedral disseminated pyrite. Gradational upper contact. Sharp lower contact @ 45 degrees to ca. Sharp lower contact @ 58 degrees to ca (at lower contact: blebby white quartz-carbonate veining at contact with below intermediate dykes).																			
384.70	390.26	**INTERMEDIATE DYKE** Massive mauve-hued dark grey intermediate dyke with ~4-5% pervasive very fine- to fine-grained subhedral to euhedral cubic pyrite grains scattered throughout the matrix. Unit is weakly-moderately siliceous. ~1-2% white blebby and wispy extensional quartz-carbonate stringers/narrow veinlets at various orientations, and generally ~2 to 5mm wide. Local late brittle quartz-carb stringers oriented at 5-17 degrees to ca (and locally bear small clots of dark green chlorite). Locally, 20 degree stringer is offset by a 60 degree stringer (the 20 degree stringer carries pervasive fine-grained pyrite while the 60 degree stringer is barren). Blebbier quartz-dominant stringers tend to be associated with small clots of dark green chlorite (and locally trace red hematite). 385.62 - 387.08m: Local inclusion of dark green ultramafic ribboned with white/pale cream coloured carbonate stringers/narrow veinlets that reflect ductile deformation/gentle folding. Fabric at ~38-40 degrees to ca. Non-magnetic. Massive.	INT DY	-	-	2	-	138	384.70	385.62	0.92	3-4	-			0.484					
			INT DY	-	-	2-3	-	139	385.62	386.14	0.52	tr	-			0.008					
			INT DY	-	-	1-2	-	140	386.14	387.08	0.94	tr	-			0.023					
			BLANK	N/A	N/A	N/A	N/A	141	387.08	387.08	0.00	N/A	N/A			0.002					
			INT DY	-	-	1-2	-	142	387.08	387.83	0.75	4-5	-			0.218					
			INT DY	-	-	0.5	-	143	387.83	388.50	0.67	4-5	-			0.197					
			INT DY	w	-	1-2	-	144	388.50	389.50	1.00	3-4	-			0.240					
			INT DY	-	-	1-2	-	145	389.50	390.26	0.76	4-5	-			0.308					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-071

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Sharp lower contact @ 88 degrees to ca.																			
390.26	405.00	**ULTRAMAFIC** Homogeneous dark greenish grey fine-grained matrix ribboned with pervasive white carbonate stringers/veining at various orientations. Locally gritty texture of core. Veining appears anastomosing and reflects the plastic deformation subjected to the unit. Non-magnetic. Moderately to locally strongly serpentine and talc altered as indicated by almost black colouration locally, softness (can scratch with fingernail), and soapy feel. 391.57-392m: pale greyish green gouge associated with localized jointing. Est. RQD of ~60-70%. No sulfides observed. EOH at 405.0m.	UM	-	-	3	-	146	390.26	391.23	0.97	-	-			0.010					

Printed: August 4, 2022

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	HR1008			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: one Hex core barrel. Note: Planned dip was changed from -62.5 to -63.5, and azimuth from 0 to 2. Used DeviShot as downhole survey tool.
HOLE NO.:	TG22-072	LENGTH (m):	429.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362588.000	EASTING:	471822.000	COLLAR SURVEY BY: DeviCo Rig Aligner	
SECTION:	TZ_1200W	ZONE:	Thomas Ogden	ELEVATION (m):	300.000	DRILLING COMPANY: DrillCo	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	2.0 / -63.5	SURVEYED:	2.000 / -63.552	DATE LOGGED: Feb. 26, 2022 TO Mar. 03, 2022	Core Storage: Polk Farm
HOLE STARTED:	February 26, 2022	HOLE FINISHED:	March 01, 2022	MAG:	10.75º w	LOGGED BY: S.Huebert	Page 1 of 30

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n Index Carb	Alb	%Qtz	Ser	SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	15.00	**CASING**																			

DeviShot Data:

Depth (m) In/Out	Az (deg) (Raw)	Az (deg) (Corrected)	Dip (deg)	Northing (m)	
30.0m	10.52	0.36	-62.64	0.00	IN
81.0m	9.78	359.62	-61.85	0.00	IN
132.0m	9.42	359.26	-61.14	0.00	IN
183.0m	8.72	358.56	-60.58	0.00	IN
234.0m	10.54	360.38	-59.73	0.00	IN
285.0m	8.10	357.94	-59.89	0.00	IN
336.0m	7.84	357.68	-60.21	0.00	IN
387.0m	7.91	357.75	-60.18	0.00	IN
429.0m	7.90	357.74	-60.17	0.00	IN

EOH

Note:
Logged 0-118.35m Feb. 27, 2022
Logged 118.35-280m Feb. 28, 2022
Logged 280-336m March 1-2, 2022

QA/QC Samples:

TOG-22-072-019: BLANK
TOG-22-072-029: STD (CDN-CM-2)
TOG-22-072-039: BLANK

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-072

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		TOG-22-072-059: STD (CDN-GS-3U) TOG-22-072-061: BLANK TOG-22-072-079: BLANK TOG-22-072-089: STD (CDN-GS-3H)																			
15.00	142.66	**MAFIC FRAGMENTAL** This unit consists of heterogeneous fragments and quite variable from more mafic rich to felsic in composition and appear to form weak layers from mafic to felsic. Stretching ratio of clasts (Length: width) is generally about 5:1. Patches within the unit are gritty in appearance and resemble coarser sandstones. General alignment of the fragments and mineral alignment is at 60-55 degrees to ca, and locally shallows downhole of ~66m to about 30-35 degrees to ca. Downhole of ~123m, fabric steepens to 50 to 55 degrees to ca. The volcanic host is a chloritic fine-grained andesite. The clasts are dacitic to rhyolitic with a cream to soft beige colouration with speckled green chlorite within. The contacts are generally sharp and sub-angular with occasional rounded clasts ranging from <1cm to 1m in length. ~20% cream-coloured clasts vary locally in abundance, and notably decrease towards lower contact. The foliation of the unit varies with weak and moderate sections. Occasional secondary white to semi-transparent quartz stringers and veinlets (<1cm) and local association with epidote. Trace hematite present along occasional fracture faces. Trace very fine- to fine-grained pyrite disseminations occur locally adjacent to, or tangentially along narrow white quartz-carbonate stringers/veinlets. Overall, ~3-4% white to clear wispy and narrow quartz-carbonate stringers and veinlets between a couple of mm's wide up to 4 cm wide (and often associated with clots of dark green																				

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		chlorite; locally bright salmon pink hued potassic alteration also observed, i.e., at ~56.7m). Veinlets generally crosscut fabric and vary in orientation between 20 and 60 deg tca (most between 40 and 50 deg tca). Stringers/veinlets generally wispy and extensional. Rare veinlet is sigmoidal and associated with trace fine-grained subhedral to euhedral cubic pyrite disseminations along its contacts. Local patches of weak-mod dark green chloritization associated with wider veinlets/blebs of white quartz-carbonate. Trace fine- to very fine-grained subhedral to euhedral cubic pyrite diseminations often occur interstitally along quartz blebs, or along quartz bleb contacts. Local intervals of dark green chloritic tuffs feature locally abundant cream-coloured mm-wide stringers (up to ~3-4%) and oriented at 40-50 degrees to ca. 56.43 - 57.03m: Medium greyish brown-green, fine-grained intermediate dyke. Upper contact is sharp at 55 degrees to ca. Sharp lower contact at 33 degrees to ca at 57.03m. ~7-10% white amorphous sigmoidal quartz-carbonate veining with patchy dark green chlorite and salmon pink potassic alteration. Trace very fine- to fine-grained cubic subhedral-euhedral pyrite disseminations within matrix. 67.25 - 67.33m: sharp upper and lower contacts @ 45 and 55 degrees to ca. Medium greyish brown, fine-grained homogeneous intermediate dyke. 69.5 - 70m: Dark greyish green weakly developed shear with ~3-5% white quartz-carbonate veining (contacts parallel to shear fabric @ 20-25 degrees to ca). Local weak potassic alteration is pale salmon pink in colour and associated with local veinlet. Trace fine-grained cubic disseminated pyrite occurs as scattered grains within matrix.																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

96.47 - 96.73m: Intermediate dyke
Greyish green, very fine-grained and homogeneous. <2-3% white quartz-carbonate veinlets <1.75 cm wide oriented at 30 and 45 degrees to ca. Minor fine- to medium-grained cubic euhedral pyrite disseminations scattered throughout matrix. Sharp upper and lower contacts oriented at 48 and 53 degrees to ca, respectively.

102.27 - 102.50m: Intermediate dyke
Medium-dark grey, very fine-grained and homogeneous. Trace to minor very fine- to fine-grained disseminated cubic pyrite disseminations scattered throughout. Pyrite appears coarsest within ~7 cm of upper and lower contacts. Sharp upper and lower contacts oriented at 60 and 65 degrees to ca. Non-magnetic.

104.35 - 105.45m: Highly fractured and altered zone
Bright orange-ochre coloured oxidation due to water percolation (strongest at 104.6-104.85m - this interval also features local dissolution texture like small vugs). Moderately developed fabric at 40 degrees to ca. Can discern ghosted small fragments ~2mm wide by 2cm long. ~1-2% white to light grey narrow carbonate-quartz veinlets/stringers oriented at 50 degrees to ca (x-cuts stringers oriented at 10 and 85 degrees to ca). Trace fine- to medium-grained disseminated cubic subhedral pyrite throughout matrix.

111.74 - 113.37m: Intermediate Dyke (resembles 102.27 - 102.50m)
Medium-dark grey, very fine-grained and homogeneous. Trace to minor very fine- to fine-grained disseminated cubic pyrite disseminations scattered throughout. Pyrite appears coarsest within ~7 cm of upper and lower contacts. ~3-4% white wispy

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-072

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		carbonate-quartz veinlets/stringers between 2mm and 3.5 cm wide, and oriented at 50-82 degrees to ca. Wider veinlets present local small to larger vugs (~0.5 cm wide), seams of dark green chlorite that occasionally has trace fine-grained disseminated cubic subhedral to euhedral pyrite disseminations contained therein. Sharp upper and lower contacts oriented at 60 and 65 degrees to ca. Non-magnetic. Gradational lower contact @ 55 deg tca (discerned on basis of fabric and abrupt lack of felsic clasts in lower unit).																			
142.66	161.95	**MAFIC-INTERMEDIATE TUFF** Medium to dark green, fine grained with a gritty texture. Unit is relatively competent with minor fracturing. Weak to locally moderate foliation @40-50 deg to c.a. with horneblende clots (1-3mm) aligned parallel to foliation. Occassional white quartz veins (2-5mm) predominently @ 30-40 deg. To c.a. Locally grades to dacitic in composition. Relatively unaltered and unmineralized and non-magnetic. Unit becomes more foliated near lower contact. Relatively sharp lower contact @33 deg to tca. Trace fine- to medium grained disseminated cubic subhedral pyrite scattered grains throughout matrix. Non-magnetic. ~1% wispy white carbonate-quartz stringers at various orientations and generally <3-4 mm wide. 150.48 - 150.8m: Dark grey intermediate dyke - Fine-grained with ~5-8% white blebby quartz-carbonate veinlet with contacts at 20 and ~38 degrees to ca, featuring small clots of dark green chlorite, trace pale beige-yellow sericite and pale salmon-ballet pink carbonate. Sharp upper and lower dyke contacts @ 28 and 38 degrees to ca, respectively. Non-magnetic.																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-072

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
161.95	223.69	**CHLORITE SCHIST**																			

This is an extremely foliated unit that resembles the way an ultramafic gets foliated and ribboned by white qtz/felds/carb. The unit has undergone strong chlorite alteration with weak to locally moderate fuchsite alteration that results in a very distinct green colouration. Parts of the unit are slightly darker with slight serpentine alteration and a typical peridotite specked appearance. The unit is intruded fairly heavily by white quartz/felds/carb stringers at random angles to ca as well as showing evidence of deformation through locally prominent S and Z folding. Quartz veins commonly contain trace to 0.5% finelly disseminated pyrite and commonly are fe-carb altered with brown staining locally.Gradational lower contact with ultramafics.

Weakly defined fabric at 50-55 deg tca. Strong plastic deformation textures common such as ptygmatic folding, crenulations, S-folds, etc. Fabric is variable in these zones and ranges between 20 and 55 degrees to ca.

Resembles basal layer of chlorite schist, as seen at 161.95 - 167.22m. Dark green, fine-grained with ~30% white to pale cream coloured fine-grained equant subhedral-anhedral feldspar? Phenocrysts. Patchy reddish pink colouration associated with localized increase in magnetism. Very weak fabric at 55-60 degrees to ca. Sharp lower contact at ~57 degrees to ca.

167.22 - 179.6m: upper ultramafic has ribboned appearance due to pervasive ~20-25% white carbonate-quartz stringers/veinlets generally ~<0.5 cm wide and oriented parallel to host rock fabric at 40 deg to ca, local shallowing at 20 degrees to ca, before steepening to 60 degrees to ca.

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		179.6 - 213.80m: dark green chloritic schist with ~25-30% white quartz-carbonate veining reflects plastic deformation and crenulations/local ptygmatic folding. Non-magnetic. 212.80 - 213.40m: Faint mauve-hued grey intermediate dyke Sharp upper and lower contacts @ 23 and 54 degrees to ca, respectively. Vaguely mottled/gritty texture. Poorly defined fabric @ 33 degrees to ca. No observed sulfides and one ~1 cm wide milky white quartz-carb veinlet oriented at 64 degrees to ca. 213.40 - 223.69m: dark green chloritic schist with ~25-30% white quartz-carbonate veining reflects plastic deformation and crenulations/local ptygmatic folding. Non-magnetic. Fabric varies between 30 and 45 degrees to ca, generally (locally variable due to plastic deformation). Sharp lower contact @ 20 degrees to ca.																			
223.69	335.10	**ULTRAMAFIC** Note: sample 031 preceeds samples 002-030 which occur deeper in hole and follow sequential order based on depth. Sample was added as per Sandy's request on March 6th, due to presence of trace arsenopyrite within the two intermediate dykes in the metre-long sample. Well foliated at 40-60 degrees to ca. Non-magnetic to locally very weakly magnetic. Especially crenulated up to ~280m. Fabric between 225.85 and 372m: 40 to 7 deg tca. Downhole, fabric seems to generally flatten (locally to 17 to 7 deg tca). Near lower contact, fabric steepens locally to 88 degrees to ca.	FEL	-	m-s	1-2	-	001	280.40	280.95	0.55	4-5	-								0.016
			INT DYK	-	-	3-4	-	031	326.70	327.54	0.84	0.5	tr								0.002

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

From ~280-336m: fabric is highly variable due to folding/crenulations. Foliation varies between 58 degrees to ca and near parallel to long axis of core. Local <5mm wide bands of very fine- to fine-grained disseminated pyrite occur semi-conformable to host rock fabric.

Immense white quartz/felds/calcite veining and stringers throughout averaging 65-70% overall. These white stringers show strong evidence of deformation through crenulations, minor folds and tiny mm-scale off-sets along micro-faults. The unit is altered with grey carbonate and moderate serpentine. Locally weak to moderate bright green fuchsite. Occasional semi-transparent to white quartz veinlets (1-4cm wide) cross cut the foliation.

Occasional black serpentine stringers cross-cut the foliation along minor slip planes. Upper portion is unit is slightly harder and more silicious and lighter grey. Unit is not as soft as traditional ultramafic, texturally the same.
Non-magnetic
Trace pyrite at best.

223.69 - 225.85m: Medium grey Intermediate dyke
- fine-grained
- mottled-like texture
- no observed sulfides
- sharp upper and lower contacts @ 20 and 54 deg tca, respectively.
- weakly defined fabric @ 28 to 45 deg tca
- non-magnetic
- 1-2% wispy white carbonate (barren) stringers <5mm wide generally crossscutting fabric at 57 to 73 degrees to ca. Local cream-coloured veinlet with small vugs and trace very fine-

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		grained disseminated pyrite at ~259.2m 280.4 - 280.8m: Felsite-like dyke - ~4-5% very fine- to fine-grained disseminated pyrite scattered throughout matrix. - buff-beige in colour with mottled mauve-hued grey splotches - strongly siliceous - faintly banded @ 12 degrees to ca. - Sharp upper and lower contacts @ 17 and 13 degrees to ca, respectively. 309.83 - 309.97m: Dark green chloritic dyke - very fine-grained - massive - consistent deep evergreen in colour - non-magnetic - no observed sulfides or veining - sharp upper and lower contacts @ 52 and 65 degrees to ca, respectively Locally strongly bleached intervals superficially resembles laminated sediments (light to medium grey with trace fine-grained disseminated subhedral cubic pyrite). Local weak fuchsite. 322.33 - 322.69m: sharp upper and lower contacts at 70 and 81 deg tca, respectively 324.45 - 324.67m: sharp upper and lower contacts at 65 and 80 deg tca, respectively. Fabric @ 63 degrees to ca. 324.67 - 327.04m: fabric gently undulates to parallel along long axis of core. 326.7 - 327.04m: Weakly mineralized intermediate dyke - Sharp upper and lower contacts @ 21 and 11 degrees to ca (note: lower contact appears truncated by white quartz-																				

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

carbonate veining, also oriented at 11 degrees to core axis).
- Poorly developed fabric
- Non-magnetic
- ~2-3% very fine- to fine-grained subbhedral to euhedral cubic pyrite and trace very fine-grained stubby equanr crystals of arsenopyrite.
- Local mm-wide very dark green seams of possibly chlorite oriented at 15-20 degrees and locally at 38 degrees to ca, occur intermittently throughout dyke and appear barren. Shallow dipping seams locally offset by 3mm by a ~1-2 mm wide white carbonate stringer with pervasive dark green chlorite, oriented at 81 degrees to ca.

327.46 - 327.54m: Weakly mineralized intermediate dyke
- Compositionally similar to @ 327.46-327.04m.
- Sharp upper and lower contacts @ 67 and 65 degrees to ca
- Poorly developed fabric
- Non-magnetic
- ~2-3% very fine-grained disseminated euhedral cubic pyrite and trace very fine-grained stubby equant arsenopyrite crystals.
- ~5-8% dark green narrow (<3mm wide) seams of very dark green chlorite variably oriented at mostly ~10 degrees to ca, locally at ~52 degrees to ca. Seams inherently barren but locally, fine-grained suhedral cubic pyrite grains are tangential to seams.

327.54 - 335.1m: fabric continues to show plastic deformation and foliation variability. General fabric orientations at ~40-60 degrees to ca and slightly steepens towards lower contact. Local brecciation @ 333.25 - 334.87m, with breccia fragments generally ~2.5-4 cm in diameter, locally as wide as 10 cm. Fragments tend to sub-angular and dark greyish green in colour. Stretching ratio of ~1:3.

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Sharp lower contact @ 75 degrees to ca.																			
335.10	339.80	**SHEARED ULTRAMAFIC WITH FELSITE** Resembles previous unit, but increasingly sheared and with patches of pale yellowish/caramel-brown hued beige due to locally moderate-strong albitization, Fe carbonate- and silica-alteration. Locally strong alteration superficially resembles intercalated intervals of felsite which occur at 336.28 - 337.2m & 338.05-338.85m. Unit is pervasively ribboned with 5-8% white to pale cream-coloured carbonate-quartz veinlets between 2 and 8mm wide, and generally conformable to shear fabric at 60-68 degrees to core axis. Veinlets appear to contain no visible sulfides. Trace fine- to medium-grained disseminated subhedral pyrite grains, when present, occur as scattered grains throughout the matrix and were not observed within the carbonate-quartz veinlets. Strongly developed shear fabric varies between 60 and 68 degrees to ca. Note: very trace to nil for sulfide content overall, even within strongly altered intervals. When present, sulfides occur as very fine- to fine-grained disseminated euhedral to subhedral cubic pyrite scattered grains within the host rock matrix. Sharp lower contact @ 57 degrees to ca.	SH UM	w	-	8-10	-	002	335.10	336.28	1.18	-	-			0.002						
			SH UM	w-m	m	4-5	-	003	336.28	337.20	0.92	-	-			0.018						
			SH UM	w	tr	5-8	-	004	337.20	338.05	0.85	tr	-			0.008						
			SH UM	w-m	m	5-6	-	005	338.05	338.85	0.80	tr	-			0.058						
			SH UM	w	w	2-3	-	006	338.85	339.80	0.95	-	-			0.002						

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
339.80	354.34	**FELSITE**	FEL	m	m-s	0.5	-	007	339.80	340.16	0.36	tr-0.5	-			0.007					
			FEL	w	m	0.5	-	008	340.16	341.00	0.84	3-4	tr			0.024					
			FEL	w	m	0.5	-	009	341.00	342.00	1.00	2-3	tr			0.008					
			FEL	w	m	3-4	-	010	342.00	342.52	0.52	3-4	tr-.5			0.010					
			FEL	w-m	m	2-3	-	011	342.52	343.22	0.70	1-2	-			0.008					
			FEL	w-m	m	1-2	-	012	343.22	344.00	0.78	2-3	-			0.002					
			FEL	w-m	m	0.5	-	013	344.00	345.00	1.00	2-3	-			0.009					
			FEL	w	m	0.5	-	014	345.00	346.00	1.00	0.5-1	-			0.014					
			FEL	w	m	0.5	-	015	346.00	346.70	0.70	0.5	-			0.009					
			FEL	w	s	0.5-1	-	016	346.70	347.40	0.70	0.5	-			0.018					
			FEL	w-m	m-s	1	-	017	347.40	348.05	0.65	0.5-1	tr			0.016					
			FEL	m	m	0.5	-	018	348.05	348.85	0.80	0.5	-			0.006					
			BLANK	N/A	N/A	N/A	N/A	019	348.85	348.85	0.00	N/A	N/A			0.002					
			FEL	w	m-s	2-3	-	020	348.85	349.46	0.61	tr	-			0.010					
			FEL	m	m-s	0.5	-	021	349.46	350.25	0.79	0.5-1	-			0.051					
			FEL	m	m	2-3	-	022	350.25	351.47	1.22	3-4	-			0.081					
			FEL	w	w	1-2	-	023	351.47	352.47	1.00	5	-			0.068					
			FEL	w	w	0.5	-	024	352.47	353.47	1.00	4-5	-			0.052					
			FEL	w	w	0.5	-	025	353.47	354.34	0.87	3-4	-			0.064					

NO VG observed in zone.

Strongly siliceous felsic unit with pervasive very fine-grained disseminated pyrite and locally, trace very fine-grained disseminated stubby crystals of arsenopyrite. Local trace fine- to medium-grained reddish brown sphalerite and greenish tinged yellow chalcopyrite also present within zone. Note: no acicular, or needle-like arsenopyrite observed - just stubby, equant, slightly amorphous/blebby silvery-coloured arsenopyrite grains.

Within each of the following intervals, texture/colouration is generally homogeneous:

- 339.8 - 340.16m: pale straw yellow in colour due to strong albitization. Same as at 340.16-346.70m, but locally stronger alteration. ~trace to 0.5% very, very fine-grained disseminated pyrite occurs pervasively throughout the altered host rock matrix.

- 340.16 - 346.70m: this interval represents the dominant appearance of the felsite unit. The very strong siliceous-ness yields a pale grey colour with subtle mauve undertones. It has a faintly mottled-like texture due to moderate-strong albitization and local weak Fe carbonate alteration. Between 344 and 346.7m, there are faintly discernable cream-coloured clasts possibly suggesting an intensely altered conglomerate protolith. Stretching ratio is ~4.5cm long x 7mm wide. Trace mm-wide bright green fuchsite wisps occur in seldom abundance.

~0.5-2% wispy narrow white quartz-carbonate stringers generally crosscutting fabric at <1-2mm wide and variably oriented at 40-45 degrees to ca (seem to be most common), as well as the odd stringer at ~60-65 degrees to ca, and the odd ~few mm-wide white quartz-carb bleb. At least 3 orientations of

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

healed fractures oriented at 30 degrees, 40-45 degrees (two sets, each dipping in opposite directions), and one at 60-65 degrees to ca. At 344.25m, the 60-65 degree healed fracture crosscuts a pyrite stringer/wisp. Locally, a 30 degree healed fracture crosscuts a couple of 40 degree healed fractures.

No sulfides observed in association with healed fractures or quartz-carb stringers of any orientation. Stringers of various orientations locally feature the odd pyrite grain that is tangential to a point along one of its contacts.

Pyrite mainly occurs as pervasive very fine- to fine-grained disseminations scattered throughout the altered host rock matrix, or as discontinuous mm-wide stringers/wisps that are generally oriented at 65-68 degrees to ca. Arsenopyrite occurs as very fine-grained silvery coloured stubby equant, slightly amorphous grains which were observed within a small lacey bleb of pale greyish mossy-green chlorite floating in mauve-hued pale grey silica flooding interstitially amongst caramel orange-y brown Fe carbonate-altered relict conglomerate clasts (superficially resemble highly altered breccia fragments with diffusive contacts).

Fabric is weakly to moderately developed generally consistent with orientation of pyrite wisps @ 65-68 degrees to ca.

- 346.70 - 348.05m: this interval appears more strongly albitized due to pervasive pale straw yellow colour. There are ~5-8% local dark green amorphous clots, average ~1.5 cm long (near start of interval). Local dark green clasts show a stretching ratio of 5cm:1.8mm.

Trace very fine- to fine-grained reddish brown sphalerite occurs at 347.50m, hosted within a sigmoidal white/pale grey/partly

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

translucent quartz-carbonate veinlet (~3-5mm wide at various points, and oriented at ~17 degrees to core axis). Sphalerite occurs with very small clot of dark green chlorite and a very fine-grained bleb of possible chalcopyrite - (too fine to confirm if chalcopyrite or pyrite).

<1% white blebby and wispy quartz-carbonate stringers/blebs occur both as parallel to fabric @ 65 degrees to ca, and as sigmoidal and blebby veinlets that crosscut fabric at 25-35 degrees to ca. No sulfides observed in any veinlets, (except for above mentioned sphalerite), regardless of orientation.

~0.5% very fine-grained pyrite occurs pervasively as disseminated grains throughout the altered matrix, or locally as crenulated discontinuous stringers (i.e., @ 347.65m - on back of core). Local possible trace very fine-grained silvery coloured stubby arsenopyrite grains floating within mauve-hued pale grey patch of silicification, immediately tangential to buff-beige coloured strong albite altered patch.

- 348.05 - 350.25m: resembles above, but with a sharp increase in the abundance of dark green clots/remnant mafic conglomerate clasts (~30-35%), and albitization appears more patchy than pervasive as observed in the previous sub-unit. This interval yields a striped-like appearance due to the contrasting dark green clasts and pale yellowish wheat beige alteration. Fabric intensity appears stronger than above and is oriented at 73-82 degrees to ca (gently steepens downhole). Healed fractures at 20-30 degrees to ca have localized alteration haloes/bleaching (localized pale beige albitization).

~0.5% wispy white quartz-carbonate stringers <2mm wide both semi-conformable to shear fabric and crosscutting fabric as undulating sigmoidal veinlets (up to 1.5 cm wide) that are

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		oriented at ~20, 40, and 60 degrees to ca. Healed fractures oriented at 15 degrees, 25-35 degrees, and 47-50 degrees. The 15 degree healed fracture locally crosscuts the 25-25 degree healed fractures. Locally, the 47-50 degree healed fractures truncate or crosscut sigmoidal veinlets at 40 and 60 degrees to ca. ~0.5-1% very fine-grained disseminated pyrite mostly constrained as scattered grains within the altered matrix - seemingly more abundant in patches of pale yellowish beige strong albitization. Local trace chalcopyrite observed within two stringers within 5 cm of each other: a white quartz-carbonate stringer (1mm wide) at 73 degrees to ca, and a pale cream-coloured carbonate-quartz stringer at 70 degrees to ca (2mm wide). Both crosscut the dark green mafic clasts. Trace very fine-grained disseminated pyrite immediately adjacent to 73 degree stringer, but hosted within host rock. - 350.25 - 351.47m: Very siliceous interval with orange-hued caramel beige colour due to pervasive moderate-strong Fe carbonate alteration. The Fe carb alteration intensity appears to increase downhole. ~2-3% white blebby quartz-carbonate veinlets mainly crosscut fabric at 55 and 80 degrees to ca. Fabric steepens from 72 to 82 degrees downhole. Very fine- to fine-grained pyrite disseminations occur as scattered grains through the very siliceous host rock matrix. Healed fractures are commonly oriented at 50-60 degrees to ca (locally crosscut by 30 degree tca pale cream-coloured carbonate stringer <2mm wide). Also relatively common are healed fractures at 5-15 degrees to core axis. No sulfides																			

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		observed directly along any healed fractures. Locally, some healed fractures feature dark blackish green chlorite infilling at 5-15 degrees to ca. Near 351m, the steeper healed fractures truncate or crosscut the more flat-lying orientation of healed fractures. - 351.47 - 354.34m: Very strongly siliceous. Pale grey in colour with pervasive discontinuous mm-wide very fine-grained pyrite wisps/stringers. Massive to locally weakly developed fabric at 38 degrees to ca. Fabric defined by very fine-grained pyrite wisps and narrow chlorite wisps/albitized inclusions. ~4-5% very fine- to fine-grained Pyrite disseminations and wisps as long as ~6 cm and oriented at 60 degrees to ca, The longer pyrite stringers feature gentle crinkles/crenulations. ~0.5% <3mm wide white/clear quartz-carbonate stringers at 10-22 degrees to ca and contain no visible sulfides. There seem to be two main sets of healed fractures at 40-45 and 30-35 degrees to ca. Also present locally are healed fractures oriented at 15-20 degrees to ca. No sulfides observed directly with any one orientation of healed fractures - no sulfides observed with them. Gradational lower contact due to alteration/shearing. Lower contact also discerned on presence of cream-coloured felsic conglomerate clasts and intermittent bright green fuchsite wisps. Est. contact @ 79 degrees to ca.																			

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METERAGE		DESCRIPTION
FROM	TO	
354.34	359.05	**BLONDE CONGLOMERATE (W/ FUCHSITE WISPS)**

Blonde conglomerate appears as pale yellow beige due to strong albitization and bears ~5-8% intermittent wisps of bright green fuchsite up to several mm's wide, stretched preferentially along foliation at ~75 degrees to ca. Fuchsite wisps tend to feature abundant disseminated very fine- to fine-grained subhedral cubic pyrite disseminations concentrated therein. There are local inclusions of mauve-hued grey siliceous felsite. ~ 15% cream-coloured felsic clasts relatively consistently distributed throughout unit. Stretching ratio of 3cm:0.7 cm wide. In lower half of unit, dark green mafic clasts show a stretching ratio of 2.5cm x 3mm.

Trace very fine- to fine-grained stubby/equant grains of silvery coloured arsenopyrite occurs locally at within mauve-hued siliceous host rock matrix, and adjacent to a healed fracture oriented at 13 degrees to ca.

Sharp increase of healed fractures at upper contact (frequency of ~37 counted healed fractures at 55 degrees to ca between 354.3 and 354.73m). Some marginally infilled with white carbonate/calcite. Several healed fractures occur within this interval oriented at 20-25 degrees to ca. Core also appears locally more jointed in this interval compared to rest of unit.

At, 354.96-355.0m, there are five grains of fine-grained blue-hued metallic molybdenite occurs as isolated grains floating within patch of silcification, interstitial to cream-coloured felsic clasts (coarsest grain is 5mm long by <1mm wide). One grain features trace very fine-grained greenish tinged yellow chalcopyrite within it. This grain, and one other molybdenite grain will be half of core that gets sent to lab as an assay sample.

ROCK	Alt'n Index				SAMPLES						ASSAYS							
CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
BL CON	w-m	s	1	-	026	354.34	355.00	0.66	1-2	-			13.500					
BL CON	w-m	s	2-3	-	027	355.00	356.00	1.00	2-3	tr			0.292					
BL CON	w-m	s	1-2	-	028	356.00	356.35	0.35	2-3	-			0.742					
STD	N/A	N/A	N/A	N/A	029	356.35	356.35	0.00	N/A	N/A			1.490					
BL CON	w	s	0.5	-	030	356.35	357.35	1.00	tr-0.5	tr			0.189					
BL CON	-	s	0.5	-	032	357.35	358.30	0.95	tr-0.5	-			0.059					
BL CON	w	s	1-2	-	033	358.30	359.05	0.75	tr-0.5	tr			0.159					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Local mm-wide pyrite wisps at 30 degrees to core axis crosscut milky white quartz-carbonate stringers at 70 degrees to core axis (<2mm wide). <0.5% wisps and discontinuous white quartz-carbonate blebs (contain no visible sulfides). When continuous, stringers crosscut fabric at 60-65 degrees to ca. 358.60 - 359.05: zone of pale mauve-hued silica flooding obliterates fabric, but still features local mm-wide bright green fuschite stringers and trace to 1% very fine- to fine-grained subhedral pyrite disseminations and trace very fine-grained stubby silvery coloured arsenopyrite. Moderate to strong foliation @ 78 degrees to ca. Sharp lower contact @ 83 degrees to ca.																			
359.05	362.15	**CONGLOMERATE** Dark green fine-grained matrix with ~20-25% cream-coloured felsic, subrounded clasts. Clasts show a stretching ratio of 8cm long x7mm wide. Non-magnetic. Moderately developed shear @ 360.32 - 360.8m features near-pervasive S-C fabric with foliation of 82 degrees to ca and a secondary C fabric at 35 degrees to ca. Local 1.5cm wide bands @ 77 degrees to ca of moderate-strong bright green fuchsite. Rest of unit has a strongly developed fabric @ 74 degrees to ca. Local small-scale folds and fold noses between 361.8 and 362m. Axial traces oriented @ 70 and 73 degrees to ca, respectively.	CON	w	w	0.5	-	034	359.05	359.64	0.59	tr	-			0.084						
			CON	-	w	0.5-1	-	035	359.64	360.32	0.68	tr	-			0.016						
			CON	-	w	0.5-1	-	036	360.32	361.15	0.83	tr	tr			0.070						
			CON	-	w	1-2	-	037	361.15	362.15	1.00	tr	-			0.002						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		~2-3% pale blue-hued grey quartz pods/lenses commonly feature very fine-grained disseminated pyrite therein. Quartz pods/lenses vary in size between 9.5cm x 2cm, and 2cm x 5mm .Pyrite seems more common in smaller sized quartz pods/lenses. Overall unit bears trace to nil pyrite. <0.5% white sigmoidal quartz-carbonate veinlets that crosscut fabric @ 10-15 degrees to ca and contain no visible sulfides. Within sheared upper contact, a single white quartz-carbonate veinlet <3-4mm wide is semi-conformable to fabric at 75 degrees to ca. Within this veinlet is a mm-wide very fine-grained pyrite stringer that is parallel to the contacts of the quartz veinlet. Lower contact defined by abrupt change in texture. Lower contact @ 78 degrees to ca.																			
362.15	368.24	**GREYWACKE** Relatively homogeneous fine-grained medium grey matrix with ~1-2% dark green small clasts/clots about 1mm wide by up to 7mm long, stretched preferentially along the weakly developed fabric. ~30% dark grey equant, anhedral subangular to subrounded fine- to medium-grained quartz grains occur pervasively throughout the matrix. Quartz phenocrysts become finer grained at lower contact. Fabric appears generally consistent between 78 degrees and slightly shallow to 73 degrees towards lower contact. Weakly developed small folds at ~362.75m and at 362.9m. Overall unit bears trace to nil for sulfide content.	GRWK	-	-	0.5	-	038	362.15	363.30	1.15	tr	tr			0.002					
			BLANK	N/A	N/A	N/A	N/A	039	363.30	363.30	0.00	N/A	N/A			0.002					
			GRWK	-	-	0.5	-	040	363.30	364.40	1.10	tr	-			0.002					
			GRWK	-	-	60	-	041	364.40	364.70	0.30	0.5-1	-			0.090					
			GRWK	-	-	0.5-1	-	042	364.70	365.90	1.20	0.5	-			0.002					
			GRWK	-	-	0.5	-	043	365.90	367.00	1.10	tr	-			0.002					
			GRWK	-	-	0.5	-	044	367.00	368.24	1.24	tr	tr			0.002					

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METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

<0.5% wispy white quartz-carbonate stringers/blebs, mostly crosscutting fabric as late-stage brittle veinlets commonly at 45-55 degrees to ca (and do not contain visible sulfides). Local amorphous shaped pod of blue-hued grey quartz at 365.65m bears trace very fine- to fine-grained euhedral cubic pyrite concentrated throughout chlorite stringers/wisps within the quartz pod. Chlorite stringers containing pyrite oriented at 67-68 degrees to ca.

364.40 - 364.70m: weakly mineralized breccia quartz-carbonate vein

- ~60% white quartz-carbonate with ~20% buff-beige coloured strongly Fe carb-altered host rock fragments. Brittle late-stage white carb-quartz stringers crosscut vein at 45-55 degrees to ca. Common throughout vein as discontinuous wisps of dark green chlorite and in lesser abundance, small bright green fuchsite wisps. Chlorite wisps tend to be larger (up to 2.1cm long). Clots of chlorite are variable in orientation and some appear amorphous and do not show a preferred orientation. At lower contact, wisps oriented at 80 degrees to ca generally. ~0.5-1% very fine-grained disseminated pyrite and trace arsenopyrite generally concentrated to altered breccia fragments, and most commonly proximal to, within, or tangential to mica wisps (both chlorite and fuchsite). Sulfides not observed floating within white quartz-carbonate parts of vein. Irregular upper and lower contacts.

Sharp lower contact @ 73 degrees to ca.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
368.24	372.08	**MAFIC CONGLOMERATE**	M CON	-	-	3-4	-	045	368.24	368.49	0.25	tr	-			0.002					
			M CON	-	w	1-2	-	046	368.49	369.26	0.77	-	-			0.002					
			M CON	-	w-m	3-4	-	047	369.26	369.72	0.46	tr	-			0.243					
			M CON	w	w	22-25	-	048	369.72	370.30	0.58	0.5-1	-			0.032					
			M CON	w	-	5-8	-	049	370.30	370.92	0.62	tr	tr			0.002					
			M CON	w	w	3-4	-	050	370.92	371.60	0.68	tr	-			0.002					
			M CON	-	v.wk	0.5	-	051	371.60	372.08	0.48	tr	-			0.005					

Unit is dominantly mafic conglomerate, but features subordinate intervals of greywacke.

- 368.24 - 368.49m: Chloritic / Mafic Conglomerate
  - Dark olive green matrix with strongly developed fabric at 73 degrees to ca. Sharp lower contact @ 69 degrees to ca. Trace to nil very fine-grained pyrite. Non-magnetic. ~3-4% wispy white carbonate-quartz stringers <2-3 mm wide parallel to fabric.

- 368.49 - 369.26m: Very weakly bleached conglomerate
  - Pale greyish wheat-coloured beige in colour due to very weak albitization. Cream-coloured felsic clasts appear more subtly defined and comprise ~10-15% of unit - difficult to discern due to localized ghosting . Clasts have a stretching ratio of 7cm long x 0.5 cm wide. Very fine- to fine-grained matrix with 30-35% fine-grained equant subrounded to locally subangular dark grey quartz phenocrysts. Fabric @ 70 degrees to ca. No sulfides observed. <0.5% white quartz-carbonate stringers/veinlets <0.5cm wide crosscutting fabric at 45-50 degrees and 75 degrees to ca (no sulfides observed therein).

- 369.26 - 369.72m: Weak to moderately altered shear
  - Likely conglomerate protolith due to presence of isolated cream-coloured clast
  - Local trace bright green fuchsite stringer. Weak-patchy moderate pale yellowish beige albitization.
  - Trace very fine-grained disseminated pyrite
  - Fabric at 80 degrees to ca.
  - ~3-4% wispy and blebby white quartz-carbonate veinlets/blebs, both parallel to, and crosscutting host rock fabric at ~65-75 degrees to ca.

- 369.72 - 370.11m: Sheared Quartz-Carbonate Vein

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

- ~22-25% white quartz-carbonate veining with pervasive stylolitic dark to medium green chlorite and less commonly, bright green fuchsite wisps and discontinuous threads/stringers. Stylolities occur at varying and undulating orientations (i.e., at 0-5 degrees and 67-73 degrees to ca). Local weak-moderate orange-ish caramel brown Fe carbonate alteration near lower contact. Host rock fabric oriented at 75 degrees to ca. ~0.5-1% very fine- to fine-grained subhedral to euhedral pyrite disseminations occur proximal to chlorite and fuchsite stylolites/wisps, floating within white quartz-carbonate. Irregular upper contact and lower contact @ ~ 78 degrees to ca.

- 370.11 - 370.30m: Greywacke
  - very similar to @ 362.15-368.24m. Fabric at 75 degrees to ca. No significant veining or sulfides observed. Sharp lower contact at 75 degrees to ca.

- 370.30 - 371.60m: Chloritic / Mafic Conglomerate
  - similar to @ 368.24-368.49m. Fabric at 73 degrees steepens to 80 degrees downhole. Overall unit contains very trace to nil sulfides. Local very fine-grained disseminated pyrite and trace very fine-grained stubby silvery coloured arsenopyrite disseminations. Local weak fuchsite. Lower contact defined by abrupt change in texture. Lower contact @ 70 degrees to ca.

- 371.60 - 372.08m: Weakly sheared Greywacke
  - Looks like greywacke noted previously, but with marginally stronger fabric and very weak wheat beige colouration possibly due to very weak albitization. Trace very fine-grained disseminated pyrite. No significant veining. Sharp lower contact @ 53 degrees to ca.

Sharp lower contact @ 53 degrees to ca.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
372.08	391.80	**ARGILLITE** Dark charcoal to grey laminated beds of siltstone and mudstone that range in width between 3mm-10.1 cm and 1-7mm, respectively. Local crenulations and cross-bedding. Bedding is variable: near upper contact, bedding oriented at 78 degrees to ca. Mid-unit, bedding is oriented at 73 to 88 degrees to ca. Near lower unit, bedding is oriented at 75 degrees to ca. Intermittently, a cleavage can be discerned and is generally consistently oriented at 52-63 degrees to ca. Local interval of wheat-beige sandstone at 379.0 - 380.10m. Sharp (slightly irregular upper) and lower contacts @ ~80 and 81 degrees to ca, respectively. Fabric at 79 degrees to ca. ~3-4% wispy white to pale grey carbonate-quartz stringers/narrow veinlets that range between in width between 3mm to 7 cm, and are oriented at 60-85 degrees to ca, usually crosscutting bedding. Most veinlets contain minor fine- to coarse-grained subhedral to euhedral cubic pyrite disseminations within them. Local pale blue-hued grey quartz amorphous veining 373.45 - 373.75m occurs with ~3-4% very fine- to fine-grained disseminated subhedral to euhedral cubic pyrite throughout as well as discontinuous mm-wide seams along the quartz contacts. ~0.5 to locally 4-5% fine- to coarse-grained disseminated subhedral-euhedral cubic pyrite scattered throughout the bedding and trace sulfides are also present within the odd quartz-carbonate veinlet/stringer of varying orientations. 374.65 - 376.40m features ~4-6% fine- to medium-grained	ARG	-	-	2-3	-	052	372.08	373.00	0.92	0.5	-			0.026						
			ARG	-	-	4-6	-	053	373.00	374.00	1.00	0.5-1	-			0.950						
			ARG	-	-	1-2	-	054	374.00	374.65	0.65	0.5	-			0.210						
			ARG	-	-	5-6	-	055	374.65	375.40	0.75	5-7	-			2.980						
			ARG	-	-	2-3	-	056	375.40	376.40	1.00	5-7	-			2.370						
			ARG	-	-	2-3	-	057	390.36	391.33	0.97	tr-0.5	trsph			0.002						
			ARG	-	-	1-2	-	058	391.33	391.80	0.47	0.5	-			0.002						
			STD	N/A	N/A	N/A	N/A	059	391.80	391.80	0.00					3.300						

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		disseminated cubic pyrite pervasively scattered throughout this interval. Also present, is a local trace fine-grained greenish tinged yellow chalcopyrite bleb. At 390.36 to ~390.57m, local ~0.5% fine- to medium-grained reddish brown sphalerite blebs occur within white carbonate (and minor quartz) tension gashes and a continuous veinelt oriented at 63 and 72 degrees to ca, respectively. Veinlets are 3 to 4.5 mm wide. Sharp lower contact @ 69 degrees to ca.																			
391.80	410.00	**WEAKLY MINERALZED INTERMEDIATE DYKE** Massive, fine-grained greenish grey intermediate dyke that is pervasively mineralized with very fine- to fine-grained (locally medium- to coarse-grained) disseminated pyrite and local trace very fine-grained disseminated arsenopyrite and trace medium- to coarse-grained chalcopyrite. At ~399.5m, arsenopyrite occurs dominantly as stubby very fine-grained crystals but in lesser abundance are local very fine-grained acicular cystals. Non-magnetic. Where the dyke is locally more siliceous, the matrix colour takes on a more slight mauve-hued grey (i.e., @ 407.68-408.45m); veinlets hosted in intermediate within more siliceous intervals also appear to locally have narrow alteration haloes that appear a subtle beige colour due to bleaching. Overall, ~1-2% wispy white carbonate-quartz blebs/stringers at various orientations (25-30 degrees, 40-45 degrees to ca, and less commonly, local flat-lying narrow veinlets). Veinlets generally contain no visible sulfides. Local flat-lying veinlet bears trace very fine-grained pyrite (@ ~400m). Local breccia vein @ 396.26-396.40m features trace medium-grained bleb of	INT DYK	-	-	1-2	-	060	391.80	392.30	0.50	0.5	-			0.005					
			BLANK	N/A	N/A	N/A	N/A	061	392.30	392.30	0.00	N/A	N/A			0.002					
			INT DYK	-	tr	1-2	-	062	392.30	393.25	0.95	0.5-1	-			0.002					
			INT DYK	-	tr	0.5	-	063	393.25	394.27	1.02	1-2	-			0.002					
			INT DYK	-	w-m	0.5	-	064	394.27	394.50	0.23	3-4	-			0.005					
			INT DYK	-	-	0.5	-	065	394.50	395.27	0.77	tr-0.5	-			0.002					
			INT DYK	-	-	1-2	-	066	395.27	395.42	0.15	2-3	-			0.014					
			INT DYK	-	-	4-5	-	067	395.42	396.49	1.07	tr-0.5	-			0.002					
			INT DYK	-	-	0.5-1	-	068	396.49	397.65	1.16	3-4	-			0.002					
			INT DYK	-	-	3-4	-	069	397.65	398.58	0.93	tr	-			0.019					
			INT DYK	-	-	0.5-1	-	070	398.58	398.78	0.20	3-4	tr			0.002					
			INT DYK	-	-	0.5	-	071	398.78	400.01	1.23	tr	-			0.002					
			INT DYK	-	-	3-4	-	072	400.01	400.77	0.76	0.5-1	-			0.002					
			INT DYK	-	-	2-3	-	073	400.77	401.12	0.35	tr	-			0.002					
			INT DYK	-	-	0.5	-	074	401.12	401.34	0.22	tr	-			0.002					
			INT DYK	-	-	0.5	-	075	401.34	402.00	0.66	1-2	-			0.002					
			INT DYK	-	-	2-3	-	076	402.00	402.83	0.83	3-4	-			0.002					
			INT DYK	-	-	4-5	-	077	402.83	403.08	0.25	0.5-1	-			0.002					
			INT DYK	-	-	0.5-1	-	078	403.08	403.75	0.67	1-2	-			0.002					
			BLANK	N/A	N/A	N/A	N/A	079	403.75	403.75	0.00	N/A	N/A			0.002					
			INT DYK	-	-	5-7	-	080	403.75	404.71	0.96	0.5-1	-			0.002					

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METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		greenish yellow chalcopyrite floating within white to peachy pink-coloured carbonate infill. Vein's lower contact oriented at 30 degrees to ca (irregular upper contact).	INT DYK	-	-	8-10	-	081	404.71	404.98	0.27	tr	-			0.002					
			INT DYK	-	-	0.5	-	082	404.98	405.18	0.20	3-4	-			0.002					
		392.30 - 392.70m: Weak shear	INT DYK	-	-	3-4	-	083	405.18	405.97	0.79	tr	-			0.002					
		- dark green - soft when scratched with scribe - chloritic	INT DYK	-	-	2-3	-	084	405.97	406.77	0.80	-	-			0.002					
		- Intermittent ~5% white quartz-carbonate veinlets up to 2.8 cm wide, parallel to fabric @ 78 degrees to ca.	INT DYK	-	-	2-3	-	085	406.77	407.68	0.91	-	-			0.002					
			INT DYK	-	m	3-4	-	086	407.68	408.45	0.77	3-4	-			0.002					
			INT DYK	-	m	1-2	-	087	408.45	409.23	0.78	4-5	-			0.083					
			INT DYK	-	-	2-3	-	088	409.23	410.00	0.77	4-5	-			0.673					
		- Local very coarse to coarse-grained amorphous clots of finer grained pyrite throughout the matrix.	STD	N/A	N/A	N/A	N/A	089	410.00	410.00	0.00	N/A	N/A			3.050					
		394.20 - 394.30m: Altered minor shear zone																			
		- yellowish green-brown in colour due to weak-moderate albitization and chloritization																			
		- soft when scratched with scribe																			
		- Fabric ~82 degrees to ca																			
		- pervasive ~4-5% very fine- to fine-grained disseminated euhedral cubic pyrite scattered throughout matrix																			
		- Slightly diffusive lower contact @ ~52 degrees to ca																			
		397.65 - 398.58m: Massive fine-grained medium green dyke with trace very fine-grained disseminated pyrite. ~3-4% wispy white barren carbonate stringers at various orientations. Non-magnetic. Sharp upper and lower contacts @ 67 and 55 degrees to ca, respectively.																			
		399.78 - 400.01m: same as @ 397.65-398.58. Very fine-grained pyrite content increases in abundance towards lower contact. Sharp upper and lower contacts @ 67 and 43 degrees to ca, respectively. Non-magnetic.																			
		401.12 - 401.31m: same as @ 397.65-398.58 & 399.78-400.01m.																			
		Trace very fine-grained disseminated pyrite. Non-magnetic.																			

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Sharp upper and lower contacts @ 58 and 60 degrees to ca, respectively. 402.83 - 402.97m: weakly brecciated ultramafic inclusion. - Dark green with pervasive subangular to subrounded dark green fragments that show a weak stretching along 80 degrees to ca. Trace very fine- to fine-grained subhedral to euhedral cubic pyrite grains mostly concentrated along part of breccia fragment boundaries. A mm-wide salvage of white carbonate surrounds/ is interstitial to breccia fragments. Non-magnetic. Soft when scratched with scribe. Gradational/brecciated lower contact. Breccia fragments as stretched as 3cm:1cm. 404.71 - 404.98m: same as @ 402.83-402.97m, but with less pyrite content (very trace). More white carbonate content and dark green breccia fragments appear smaller and less stretched, but still subangular to subrounded. Non-magnetic. Breccia frgaments average 2cm x 0.7cm wide. Sharp lower contact @ 80 degrees to ca. 405.18 - 407.68m: Brecciated Ultramafic - same as previous ultramafics within this unit, but very trace to nil, for sulfide content. - non-magnetic - soft when scratched with scribe - the dark green breccia frgaments are especially soft. - Sharp lower contact @ 70 degrees to ca. 407.68 - 410.0m: Highly siliceous and pervasively mineralized intermediate dyke superficially resembles felsite - pervasive ~4-5% very fine- to fine-grained disseminated subhedral to euhedral cubic pyrite - mauve-hued greyish beige in colour - ~2-3% blebby and wispy white quartz-carbonate veinlets																				

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		(locally with small clots of dark green chlorite) feature odd medium- to coarse-grained suhedral pyrite grain, but are generally barren. Veinlets <5mm wide and variably oriented at 20, 80 degrees to ca. Less common are clear/translucent quartz veinlets <2mm wide and consistently oriented at 25-26 degrees to ca. One of these veinlets carries trace, or one isolated, medium-grained greenish yellow bleb of chalcopyrite. Chalcopyrite occurs where veinlet crosscuts another clear quartz veinlet of similar width, but oriented at 40-41 degrees to ca. Local late brittle mm-wide white carbonate stringers crosscut other veinlets at 10-15 degrees to ca. - locally, 43 degrees to ca white quartz-carbonate veinlet crosscuts 10 degrees to ca veinlet with abundant dark green chlorite that dominates the composition of the veinlet. Both veinlets ~3-5mm wide. The chlorite-bearing veinlet is also crosscut by the chalcopyrite-bearing veinlet. - Local barren healed fractures near lower contact oriented at 20-25 degrees to ca. - Sharp lower contact @ 65 degrees to ca (lower contact of overall unit)																			
410.00	419.20	**BRECCIATED ULTRAMAFIC ZONE** Dark greyish green, very fine-grained massive matrix ribboned with ~7-10% wispy pale grey carbonate veining that transitions into anastomosing styled veining that is interstitial to the breccia texture that becomes prominent at ~416.2m - ~419m. Breccia frgaments appears sub-rounded and show proportions of ~5cm long by ~2cm wide and comprise ~40% of unit. Veining generally <5mm wide and generally barren. Trace fine- to medium-grained subhedral cubic pyrite grains are scattered throughout the matrix, and locally tangential to the	UM	-	-	4-5	-	090	410.00	411.00	1.00	tr	-			0.009					
			UM	-	-	2-3	-	091	418.20	419.20	1.00	tr	-			0.002					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-072

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		barren carbonate veining. Fabric is variable throughout unit. Near upper contact, fabric is at 65 degrees to ca, at mid-unit (~415.5m), foliation flattens so semi-parallel to long axis of core, and goes from 53 degrees to ca, before shallowing to 28 degrees to ca near lower contact. Very soft when scratched with scribe. Can barely scratch with fingernail in some parts. Variably weakly serpentine and talc-altered. Non-magnetic. Sharp lower contact at 60 degrees to ca.																			
419.20	421.36	**WEAKLY MINERALIZED INTERMEDIATE DYKE** Mauve-hued medium-dark grey fine-grained/massive matrix. Unit contains ~15% pervasive mm-wide black seams/stringers variably oriented and variably mineralized/barren. Colouration of unit appears variable due to localized alteration haloes/bleaching that take on pale greyish beige colour. Unit hosts a variety of sulfides (Pyrrhotite, Arsenopyrite, Pyrite, and Sphalerite - listed in order of decreasing perceived relative abundance). Sulfides seem to preferentially concentrate along mm-wide black chlorite (+/- possible tourmaline and/or possible hornblende) seams/stringers. ~0.5% Arsenopyrite generally manifests as stubby or blebby very fine- to fine-grained crystals, but also locally appear as acicular grains, albeit less commonly. Locally, very fine-grained arsenopyrite occurs as disseminations within the silcieous host rock. Black seams that were observed to contain arsenopyrite are oriented at 17-20, 35-40, 50, and 60 degrees to ca. Locally these seams apepar to crosscut each other - cannot definitively say which orientation supercedes the other. Where arsenopyrite	INT DYK	-	-	2-3	-	092	419.20	420.00	0.80	0.5-1	0.5			0.087					
			INT DYK	-	-	0.5	-	093	420.00	420.90	0.90	0.5	0.5			0.189					
			INT DYK	-	-	1-2	-	094	420.90	421.36	0.46	tr	0.5			0.215					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-072

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

appears most abundant, the black seams hosting it are monominerallic and only seem to contain arsenopyrite (i.e., @ ~420.7m).

~0.5% Blebby/amorphous fine- to medium-grained blebs of pyrrhotite are commonly tangential to, or proximal to black seams oriented at degrees to ca. Pyrrhotite normally appears brassy in colour, but locally takes on a subtle rose pinkish undertone in its colour. Pyrrhotite occurs proximal or tangential to black seams at various orientations, and common in patches of dark green chlorite alteration within the host rock matrix.

~0.5% Pyrite appeared as very fine- to fine-grained subhedral cubic grains - usually in close association with pyrrhotite and occasionally with arsenopyrite. Occurs commonly as disseminations through the host rock matrix and tangential/proximal to black seams at various orientations.

Trace reddish brown medium-grained sphalerite was the one sulfide that was associated with a white quartz-carbonate veinlet, and not observed in association with the black seams. Sphalerite hosted in veinlet oriented at 23 degrees to ca (upper contact) and at 36 degrees to ca (lower contact). Veinlet is 2.3cm wide and contains small dark green clots of chlorite, trace fine- to medium-grained rose-hued pyrrhotite, fine-grained pyrite, and very fine-grained trace stubby arsenopyrite.

~1-2% white carbonate-quartz veinlets oriented at 35, 47-48, and 55 degrees to ca. Veinlets generally 2mm wide or narrowwer. Generally barren and small clots of dark green clots of chlorite are common.

Unit lacks any well-preserved or defined fabric.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-072

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Sharp lower contact @ 80 degrees to ca.																			
421.36	429.00	**ULTRAMAFIC** Non-magnetic. Local brecciated intervals (i.e., ~425-427m). Can scratch with fingernail. Comparably more strongly serpentine- and talc-altered compared to @ 410-419.2m - but same otherwise. No observed sulfides. EOH @ 429.0m.	UM	-	-	3-4	-	095	421.36	422.36	1.00	-	-			0.053					

Printed: August 4, 2022

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	HR1008			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: one Hex core barrel. Note: Planned dip was changed from -64 to -65, and planned azimuth from 0 to 2 (as discussed with D.Heerema via text on Feb. 22, 2022). Used DeviShot as downhole survey tool.
HOLE NO.:	TG22-073	LENGTH (m):	411.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362600.000	EASTING:	471780.000	COLLAR SURVEY BY: DeviCo Rig Aligner	
SECTION:	TZ_1200W	ZONE:	Thomas Ogden	ELEVATION (m):	300.000	DRILLING COMPANY: DrillCo	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	2.0 / -65.0	SURVEYED:	1.800 / -65.105	DATE LOGGED: Mar. 28, 2022 TO Mar. 30, 2022	Core Storage: Polk Farm
HOLE STARTED:	February 23, 2022	HOLE FINISHED:	February 26, 2022	MAG:	10.75º w	LOGGED BY: S.Huebert	Page 1 of 26

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	27.00	**CASING**																			

DeviShot Data:

Depth (m) In/Out	Az (deg) (Raw)	Az (deg) (Corrected)	Dip (deg)	Northing (m)	
39.0m IN	9.31	359.15	-64.07	0.00	
90.0m	7.62	357.46	-63.54	0.00	IN
141.0m	9.84	359.68	-63.13	0.00	IN
192.0m	5.73	355.57	-61.91	0.00	IN
243.0m	5.93	355.77	-61.05	0.00	IN
291.0m	5.91	355.75	-60.97	0.00	IN
342.0m	7.60	357.44	-61.04	0.00	IN
393.0m	6.45	356.29	-61.33	0.00	IN
411.0m	1.02	350.86	-60.91	0.00	IN

EOH

QA/QC Samples:

TOG-22-073-019: BLANK
TOG-22-073-022: BLANK (follows VG-bearing sample)
TOG-22-073-029: STD (CDN-GS-9D)
TOG-22-073-059: STD (CDN-GS-3H)
TOG-22-073-061: BLANK

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-073

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
27.00	109.63	**MAFIC FRAGMENTAL** This unit consists of heterogeneous fragments and quite variable from more mafic rich to felsic in composition and appear to form weak layers from mafic to felsic. Stretching ratio of clasts (Length: width) is generally about 5:1. Patches within the unit are gritty in appearance and resemble coarser sandstones. General alignment of the fragments and mineral alignment is at 48-44 (locally as steep as 59 degrees, as shallow as 38 degrees to ca) degrees to ca (@ 27-109.63m). The volcanic host is a chloritic fine-grained andesite. The clasts are dacitic to rhyolitic with a cream to soft beige colouration with speckled green chlorite within. The contacts are generally sharp and sub-angular with occasional rounded clasts ranging from <1cm to 1m in length. Fine-grained, weakly chloritic and tuffaceous starting at ~41.3-43.14m (~45 degrees to ca lower contact). Local extensional white quartz-carbonate veining (barren) is associated with weak-moderate localized yellow-beige sericitization and salmon pink potassic alteration (i.e., ~60.4-60.65m, 61.1-61.6m, 63.92-64.72m). Trace fine- to medium-grained cubic pyrite in 61.1-61.6m along mm-wide dark blackish green stringer at 70 degrees to ca. Odd veinlet features small vugs and clots of dark green chlorite. Local low-angle white barren carbonate extensional veining. Local weak shears associated with weak pale beige-ish yellow sericitization and deeper green chloritic matrix which ghosts texture (i.e., ~67.53-68.4m). Moderately sericitized low-angle shears at: 95.4 - 96.34m (minor fine- to medium-grained cubic pyrite disseminated throughout), 96.92 - 98.06m (no sulfides observed), 98.3 - 99.5m (trace fine- to medium-grained cubic pyrite). Where observed, sulfides are also associated with																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-073

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		remnant casts of pyrite cubes that no longer exist due to dissolution. Locally strong potassic alteration with weak diffusive halo between 89.75-90.82m (associated with 55 degrees to ca oriented cream-coloured carbonate-quartz veinlets between 5mm and 3cm wide (barren)). The foliation of the unit varies with weak and moderate sections. Occasional secondary white to semi-transparent quartz stringers and veinlets (<1cm) and local association with epidote. Trace hematite present along occasional fracture faces. Trace very fine- to fine-grained pyrite disseminations occur locally adjacent to, or tangentially along narrow white quartz-carbonate stringers/veinlets. Overall, ~3-4% white to clear quartz-carbonate stringers and veinlets between a couple of mm's wide up to ~10 cm wide (and often associated with clots of dark green chlorite). Odd veinlet presents small vugs (no sulfides observed in association with these stringers). Veinlets generally crosscut fabric and vary in orientation between 30 and 40 deg tca, and between 50 and 60 deg tca. Stringers/veinlets generally wispy and extensional. Rare veinlet is sigmoidal. Veinlets observed to be barren. Local patches of weak-mod dark green chloritization associated with wider veinlets/blebs of white quartz-carbonate. Trace fine- to very fine-grained subhedral to euhedral cubic pyrite diseminations often occur interstitally along quartz blebs, or along quartz bleb contacts. Gradational lower contact - felsic clasts become increasingly ghosted and reduce in frequency towards lower contact.																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-073

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Fabric is ~42 degrees to ca towards lower contact.																			
109.63	113.02	**MAFIC-INTERMEDIATE TUFF** Medium to dark green, fine grained with a gritty texture. Unit is relatively competent with minor fracturing. Weak to locally moderate foliation @53-48 deg to c.a. with horneblende clots (1-3mm) aligned parallel to foliation. Very minor white quartz veins (2-5mm) predominantly @ 35-40 and 50-60 deg. To c.a. Locally grades to dacitic in composition. Relatively unaltered and unmineralized and non-magnetic. Relatively sharp lower contact @43 deg to tca with associated strong foliation. Trace fine- to medium grained disseminated cubic subhedral pyrite scattered grains throughout matrix. 111.84 - 112.1m: More chloritic and foliated interval of tuff? - Superficially resembles ultramafic - Sharp upper and lower contacts @ 38 and ~10 degrees to ca, respectively. - Non-magnetic - No observed sulfides nor significant veining. 112.77 - 112.8m: More chloritic and foliated interval of tuff? - Very similar to as 111.84-112.1m. - Sharp upper and lower contacts both @ 38 degrees to ca, respectively. - Non-magnetic - No observed sulfides nor significant veining.																				
113.02	124.60	**CHLORITE-SERICITE SCHIST**																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-073

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		This is an extremely foliated unit with ribboned white/pale yellow bands consisting of qtz/felds/carb which has been partially altered to sericite. ~15-18% slightly blue-hued to grey quartz-carbonate blebs/veinlets mostly conformable to host rock fabric and associated occasionally with trace fine-grained subhedral to euhedral cubic pyrite disseminations (sometimes contained within dark green chlorite interstitial to quartz blebs). The unit has undergone immense alteration with ribbon-like bands upto 1.5cm at various orientations with a preferential orientation of 32-42 deg tca. Cubic pyrite common ranging from trace to 0.5%. Sharp lower contact @ 30 deg to c.a. Unit is strongly foliated and host rock is moderately silicified and grey in color. Local mauve-hued grey quartz bleb (tapers to a point and discontinuous along back of core) contains local minor very fine-grained pyrite disseminations throughout. Hosting quartz bleb is at 116.19 - 116.25m, with sharp upper and lower contacts @ 52 and 38 degrees to ca, respectively. 121.86 - 123.0m: Chlorite Schist - Significant reduction in sericite banding/wisps but still features blue-hued grey quartz blebs/pods throughout, slightly elongate along foliation @ 45 degrees to ca. A couple of minor sericite wisps are present. - No sulfides observed in this interval. - Comparatively softer when scratched with scribe relative to sericite-chlorite schist in rest of unit - Non-magnetic - Sharp upper and lower contacts @ 45 and 15 degrees to ca, respectively. Downhole of ~123m, the fabric slightly flattens to 32 degrees to ca.																				

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		124.21 - 124.26m: Chlorite band/dykelet. Massive dark green. Non-magnetic. Soft when scratched with scribe. Sharp upper and lower contacts @ 38 and 35 degrees to ca, respectively.																			
124.60	249.00	**CHLORITE SCHIST** This is an extremely foliated unit that resembles the way an ultramafic gets foliated and ribboned by white qtz/felds/carb. The unit has undergone strong chlorite alteration with weak to locally moderate fuchsite alteration that results in a very distinct green colouration. Parts of the unit are slightly darker with slight serpentine alteration and a typical peridotite specked appearance. The unit is intruded fairly heavily by white quartz/felds/carb stringers at random angles to ca as well as showing evidence of deformation through locally prominent S and Z folding. Local fold at ~130.7-131.1m (core angles written on core - see photo). Within that interval is a mm-wide slip/micro fault oriented at 53 degrees to ca, which suggests block containing apex is thrust upwards (note: not oriented core). Quartz veins commonly contain trace to 0.5% finelly disseminated pyrite and commonly are fe-carb altered with brown staining locally.Gradational lower contact with ultramafics. Top ~7m of unit is more of a gritty tuffaceious unit which exits a moderate foliation and chlorite/hbl clots throughout. Local barren breccia ~1cm wide veinlet oriented at 50 degrees to ca @ 131.9m. 124.6 - 129.0m: Basal Interval of Chlorite Schist Dark green, fine-grained with ~30% white to pale cream coloured fine-grained equant subhedral-anhedral feldspar? Phenocrysts. Very weak fabric. ~4-6% Rose to salmon pink hued veinlets 3mm to 2.5 cm wide oriented at 30-40 deg tca	INT DYK	-	w	3-4	-	001	151.63	152.50	0.87	tr-0.5	-			0.005					
			INT DYK	-	w	1-2	-	002	152.50	153.45	0.95	0.5	-			0.002					
			CHL SCH	-	-	2-3	m F	003	185.68	186.47	0.79	tr-0.5	-			0.002					
			CHL SCH	-	-	5-6	w-m	004	186.47	187.26	0.79	1-2	-			0.015					
			INT DYK	-	m	2-3	-	005	195.96	196.24	0.28	tr	-			0.006					
			INT DYK	-	m	4-5	-	006	196.24	197.04	0.80	tr	-			0.002					
			INT DYK	-	w-m	2-3	-	007	197.04	197.45	0.41	tr-0.5	-			0.012					
			FEL DYKE	-	m-s	1-2	-	008	205.35	205.60	0.25	1-2	-			0.008					
			CHL SCH	-	-	3-4	-	009	282.95	283.57	0.62	1-2	-			0.007					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-073

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		occur intermittently throughout basal interval. Pink colouration derived from fine-grained garnets? Trace to minor fine-grained pyrite disseminations occur locally along vein/veinlet boundaries. Non-magnetic.																			
		134.05 - 135.26m: Strong chlorite alteration - Very soft when scratched with scribe - Dark greenish black - Sharp upper and lower contacts @ 22 and 65 degrees to ca, respectively. - Massive, no veining/sulfides																			
		135.26 - 135.93m: Altered zone - has dark green spotted appearance with paler greyish green matrix. Secondary chloritized hornblende porphyroblasts? Subangular equant grains lack any discernable cleavage. - Soft when scratched with scribe. Non-magnetic.																			
		151.63 - 153.4m: Intermediate Dyke - Mottled mauve-hued grey dyke with locally weakly discernable fabric at 38 degrees to ca. - Sharp upper and lower contacts @ 52 and 43 degrees to ca, respectively. - Intermittently very fine- to fine-grained disseminated subhedral to euhedral cubic pyrite scattered throughout altered matrix. - ~4-5% pale cream to light grey carbonate-quartz extensional veining (barren but trace very fine-grained pyrite flanks veinlet contacts locally). Veining occurs at various orientations and widths. Locally, at 30 and 50 degrees to ca and generally between ~2mm and 5mm wide. Local pyrite blebs (sample 004) as large as 3 cm long by 1 cm wide. Blebs have tapered ends and are elongate so parallel to																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-073

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

host rock fabric orientation @ 35 degrees to ca (186.47 - 187.26m). Local ~1cm wide pyrite band at 198.1m is oriented at 60 degrees to ca. Pyrite bands in sample 009 at 282.95 - 283.54m; bands oriented at 20 and 55 degrees to ca (conformable to foliation).

195.96 - 198m: Intermediate-Felsite-Like Dyke
- trace very fine- to fine-grained subhedral to euhedral disseminated pyrite scattered throughout siliceous matrix. Pyrite occurs locally along dark green chlorite stylolites oriented at 35 degrees to ca
- Patchy weak to locally moderate cream-hued albite alteration and pervasive silicification
- Mauve-hued greyish green massive dyke
- Sharp upper and lower contacts @ 42 degrees to ca
- ~4 inch wide chlorite schist inclusion near upper contact. Upper and lower contacts at 42 and 63 degrees to ca, respectively.
- Very siliceous

Local strong sericitization band is pale yellow with flecks of bright green fuchsite throughout at 185.95 - 186.0m (sharp upper and lower contacts @ 30 and 36 degrees to ca, respectively). No sulfides observed in association with this localized strong alteration.

Local weak-moderate carbonate-fuchsite alteration yields bright green/white/pale beige striped appearance at 201.3 - 202.29m and at 202.88 - 204.0m. Fabric @ 38-50 degrees to ca within this interval. No significant sulfides.

205.35 - 205.60m: Felsite-Like Dyke
- Salmon pink to buff-beige in colour, very siliceous
- ~0.5-1% very fine- to fine-grained subhedral to euhedral cubic

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

pyrite disseminations scattered throughout siliceous matrix.
- discrete <0.5mm wide dark green chlorite-infilled healed fractures variably oriented (i.e., at 30 and 57 degrees to ca).
- ~1-2% white barren quartz-carbonate veinlets at 40 and 58 degrees to ca (~5mm wide each). The 57 degree veinlet appears to crosscut the 30 degree veinlet.
- Sharp upper and lower contacts @ 35 and 26 degrees to ca, respectively.

208.51 - 212.90m: Intermediate Dyke
- Barren and dead-looking (i.e., no significant alteration, structure, or sulfide mineralization)
- Medium greenish grey, fine-grained, homogeneous. ~7-10% fine- to medium-grained equant white quartz-carbonate blebs throughout matrix. ~12-15% dark green fine-grained chlorite specks disseminated throughout matrix.
- Very weakly defined fabric @ 36-39 degrees to ca
- Relatively hard when scratched with scribe. Non-magnetic.
- Sharp upper and lower contacts @ 30 and 32 degrees to ca, respectively.

Chlorite schist fabric flattens to 30 to 18 to 60 to 37 to 50 degrees to ca downhole of 213 to ~241m. Local crenulations (i.e., ~231.1m).

241.15 - 249.0m: Dark green chlorite schist lacking any significant veining (barren and ~6-20 cm wide approximately orthogonal to ca contacts) with local minor fine-grained pyrite. Weakly defined fabric at 26 to 12 degrees to ca (shallows downhole). Non-magnetic. Sharp lower contact @ 42 degrees to ca.

Sharp lower contact @ 42 degrees to ca.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-073

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
249.00	338.65	**ULTRAMAFIC** Dark blackish to charcoal greyish green matrix pervasively ribboned with white barren carbonate veining at various orientations. Variably serpentine- and talc-altered (soapy feel and can lightly scratch with fingernail; blackish green in colour). Non-magnetic. Intemittent brecciation. Local pale beige-hued carbonate alteration occurs as intermittent bands/patches. Trace to nil fine- to medium-grained cubic pyrite disseminations intermittently scattered throughout the matrix. Local chloritic patches/dykelets (i.e., 324.16m - 324.30m - upper and lower contacts @ 67 and 72 degrees to ca, respectively). Core angles are highly variable due to variable brittle-ductile deformation zones. From 249-264.62m: ~43 to 10-5 degrees, and remains fairly shallow at ~5 degrees to 264.62m. From ~266.67 - 282m: quickly flattens from ~23 degrees to approximately sub-parallel to ca (brecciation intervals become more dominant and occur over longer intervals as well, obliterating any general fabric). Downhole of ~282m, fabric is highly variable and commonly undulates along long axis of core. 256.61 - 257.12m: dark green mafic dyke - very dark green, massive with ~10% fine-grained equant subhedral white carbonate? blebs throughout. No sulfides observed. Non-magnetic. Relatively soft - can scratch with scribe, but not with fingernail. - Sharp upper and lower contacts @ 22 and 47 degrees to ca, respectively. 264.62 - 266.67m:dark green mafic dyke - Black to dark green mottled texture with local fine- to medium-grained splotchy texture where the matrix is black mid-unit. - local medium-green chlorite flanks odd white carbonate	INT DYK	w-m	w	0.5-1	-	010	288.34	289.14	0.80	1	-			0.002					
			INT DYK-UM	w-m	w	2-3	-	011	289.14	290.13	0.99	0.5	-			0.002					
			ALTD UM	m-s	m-s	3-4	-	012	293.90	294.73	0.83	tr	-			0.002					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

veinlet at various orientations (barren) commonly at 30 and 40-50 degrees to ca.
- Non-magnetic. Relatively soft - can scratch with scribe, but not with fingernail. Harder than previous dyke.
- Intermittent anastomosing medium green chlorite seams occur throughout unit
- Sharp upper and lower contacts @ 36 and 10 degrees to ca, respectively.

288.34 - 289.14m: Intermediate Dyke
- Mauve-hued grey massive intermediate dyke with slightly pale pinkish colouration along contacts which undulate locally so sub-parallel to long axis of core. Pervasively mineralized with very fine- to fine-grained subhedral to euhedral cubic pyrite disseminations throughout the matrix.
- Matrix moderately effervesces with HCl.
- Sharp upper contact @ 43 degrees to ca. Mid-unit undulates along contact with ultramafic. Sharp lower contact @ 38 degrees to ca.

289.81 - 290.13m: Intermediate Dyke
- Same as at 288.34 - 289.14.
- Sharp upper and lower contacts @ 17 and 20 degrees to ca. This dyke seems to conform to anticlinal-like fold hinge

291.53 - 291.90m: Intermediate Dyke
- Same as at 288.34 - 289.14m, but only carries trace fine- to medium-grained cubic pyrite disseminations.
- Sharp upper and lower contacts @ 13 and 40 degrees to ca.

293.90 - 294.73m: Strongly Fe carbonate- and albite-altered ultramafic
- Pale beige-ish yellow in colour with pervasively disseminated fine-grained specks of dark green chlorite (~20-23%).

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

- Moderately effervesces with HCl. Relatively hard - can lightly scratch with scribe. Local healed fractures also infilled with mm-wide seams of chlorite near lower contact oriented at 30-31 degrees to ca.
- ~3-4% white barren quartz-carbonate veining at various orientations
- trace fine- to medium-grained subhedral to euhedral cubic disseminated pyrite
- Relatively sharp upper and lower contacts @ 12 and 43 degrees to ca, respectively.

Intermittently broken up core intervals between ~299.5 and ~310m (overall interval, est. RQD ~50-55%). Serpentine alteration seems slightly stronger in this zone as matrix takes on deeper/more black colour and has a stronger soapy feel (can scratch with fingernail easily).

312.1 - 325.78
Weakly altered interval that appears slightly bleached with pervasively disseminated dark blachish green fine-grained chlorite wisps throughout the matrix. Sharp upper and lower contacts @ 48 and 52 degrees to ca, respectively.

Lower contact @ 47 degrees to ca (intercalated like zones of moderately to strongly altered ultramafic at lower contact).

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
338.65	346.25	**ALTERED AND SHEARED ULTRAMAFIC**	ALT UM	w	-	8-10	-	013	341.38	342.37	0.99	tr cpy	-			0.054					
		Variable appearance due to varying and localized/patchy/banded carbonate and fuchsite altered ultramafics. Alteration types and their respective intensities vary throughout unit yielding a patchy/banded bright green to beige-ish yellow colouration. Alteration is generally quite strong downhole of 343.55m. Fuchsite alteration is generally moderate to strong between 343.55 and 346.25m. Towards lower contact, between 346.0 and 346.25m, this interval is moderately silicified (can still lightly scratch with scribe). Non-magnetic.	ALT UM	m	m	3-4	-	014	342.37	342.89	0.52	tr	trcpy			0.416					
			ALT UM	w-m	w-m	5-7	-	015	342.89	343.55	0.66	tr	trcpy			0.121					
			ALT UM	m	m-s	3-4	w-m F	016	343.55	344.24	0.69	0.5	tr			0.120					
			ALT UM	w-m	m	3-4	m Fuch	017	344.24	345.13	0.89	tr-0.5	-			0.210					
			ALT UM	w	w	3-4	-	018	345.13	345.50	0.37	tr	tr			0.023					
			BLANK	N/A	N/A	N/A	N/A	019	345.50	345.50	0.00	N/A	N/A			0.002					
			ALT UM	w-m	w-m	3-4	m-s F	020	345.50	346.25	0.75	0.5	tr			0.112					
		In intervals of comparably lesser alteration intensity (i.e., 342..89-343.55m & 345.13-345.5m), it is common to observe pervasive flecks of fine-grained dark green chlorite disseminated throughout matrix. Local dark green chlorite band 5mm wide oriented at 38 degrees to ca crosscuts the 85 deg to ca fabric (@ 345.90m).																			
		~3-4% blebby white to pale grey quartz-carbonate veinlets ~5mm to 1 cm wide at various orientations (between 53 and 74 degrees to ca). Veinlets generally barren, but local veinlets contain trace fine- to medium-grained subhedral to euhedral cubic pyrite disseminations and at ~343.40m, there is an 8mm wide white veinlet at 43 degrees to ca containing medium-grained bleb of chalcopyrite (also at 343.58m oriented at 68 degrees in 5mm-wide blue-ish grey quartz-carbonate veinlet). Some veinlets appear weakly crenulated and crosscut fabric at 28 and 58 degrees to ca.																			
		Trace to weakly mineralized with very fine- to fine-grained subhedral to euhedral cubic pyrite disseminations that occur intermittently within the altered matrix. Local very fine- to fine-grained stubby arsenopyrite grains also occur within the altered matrix, often tangential to blebby grey (slightly blue-hued) quartz-																			

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		carbonate discontinuous veinlets/blebs (i.e., at 345.1m). Trace acicular fine-grained arsenopyrite also observed proximal to quartz-carbonate mm-wide veinlets sub-parallel to fabric at 345.50m. Local trace fine- to medium-grained chalcopyrite blebs associated with narrow veinlets as described above. Local slickenlines at 346.0m along joint plane, oriented at ~60 degrees relative to long axis of core. Fabric appears to steepen downhole from 65-67 degrees near upper contact, to 67-73 mid-unit (where more strongly altered at 343.55-345.1m), to 77 degrees @ 345.76m. In the last ~12cm of the unit, fabric locally shallows to 57 degrees to ca and gently steepens to lower contact angle. Sharp lower contact @ 68 degrees to ca.																			
346.25	351.15	**FELSITE** VG @ 346.25m (upper contact) Detailed Description of VG Occurrence: A total of 17 VG clusters/spatially separate individual grains observed along half of core circumference (approx. length of 5.9cm) at 346.25m. About 8-9 of clusters/individual grains occur as "floating" within white quartz-carbonate, but closely proximal to bright green fuchsite wisps/narrow bands (<0.25-0.5mm wide each). VG grains farthest from fuchsite wisp(s) are ~1.5mm away (generally VG is tangential to fuchsite wisp(s)); these three grains are <0.25mm wide each. Local VG cluster is semi-conformable to, and flanks along side a fuchsite wisp (VG grain is 4mm long by ~<0.3mm wide); this VG strand is oriented at 81 degrees to ca. Of 17 total clusters/grains, ~8-9 are <0.25mm	FEL	m	m-s	2-3	tr F	021	346.25	346.75	0.50	0.5-1	tr+VG			38.900					
			BLANK	N/A	N/A	N/A	N/A	022	346.75	346.75	0.00	N/A	N/A			0.002					
			FEL	m-s	m-s	4-5	-	023	346.75	347.44	0.69	1-2	tr			4.440					
			FEL	w-m	m-s	5-7	-	024	347.44	348.46	1.02	1-2	tr+Mo			0.079					
			FEL	w-m	m-s	15-18	-	025	348.46	349.27	0.81	2-3	tr-.5			0.069					
			FEL	w-m	m-s	2-3	-	026	349.27	350.15	0.88	1-2	tr			0.274					
			FEL	w	m-s	1-2	tr F	027	350.15	350.62	0.47	0.5-1	tr-.5			0.471					
			FEL	w	m-s	38-40	-	028	350.62	351.15	0.53	1-2	tr			0.374					
			STD	N/A	N/A	N/A	N/A	029	351.15	351.15	0.00	N/A	N/A			9.920					

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

wide, ~4-5 are <0.5mm wide, and 3 are coarser than 3mm long by 1mm wide.

All VG is (sample 021). Very fine- to fine-grained blebs of VG occur along bright green fuchsite band/wisps oriented ar 80 degrees to ca. Coarsest cluster is about 5.25mm by 2mm wide (occurs floating within white quartz-carbonate, and in between two fuchsite wisps/bands each oriented at 79 and 88 degrees to ca, respectively (tangential/touching both fuchsite bands/wisps)).

No observed healed fractures in close/direct association with VG occurrence. Local discontinuous 1.5-2mm wide blebby white to light grey quartz-carbonate veinlets (only have ~2.5cm and 5.5cm of continuity, respectively) are oriented at 39 and 48 degrees to ca, respectively. The orientations of elongate VG grains seem to almost mirror those orientations locally (not quite parallel). The coarsest VG occurs along weakly sigmoidal white/clear quartz-carbonate veinlet at ~30 degrees (steeper part is at 48 degrees to ca); VG occurs within jog of that veinlet and so the VG is tangential to the fuchsite band. Stubby locally abundant fine-grained arsenopyrite grains, hosted within fuchsite band, occur along upper contact with VG occurrence. Fine-grained subhedral cubic pyrite occurs abundantly within fuchsite bands (locally pyrite is tangential to odd VG grain).

Description of rest of overall unit:

Mauve- to pale caramel-hued beige-grey siliceous felsite zone that is pervasively mineralized with ~0.5-2% very fine- to fine-grained disseminated pyrite and intermittent very fine- to fine-grained acicular and stubby arsenopyrite. Trace medium- to coarse-grained bleb of blue-hued molybdenite occurs along a joint plane at 348.34m (joint at 24 degrees to ca); molybdenite occurs within white blebby quartz-carbonate (lacks discernable

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

orientation/structure, possibly in diffusive ~20 degree low-angle milky white quartz-carbonate veinlet). Trace medium-grained bleb of molybdenite also observed in mm-wide pyrite stringer oriented at 50 degrees to ca (at ~350.23m - broken up core here). Pyrite also occurs as discrete, discontinuous stringers variably oriented at 52-55 degrees to ca.

Strongly to moderately albite-, Fe carbonate-, and silica- altered. Local intermittent fine- to medium-grained wisps of bright green fuchsite occur throughout the siliceous matrix. Areas of stronger Fe carbonate alteration take on orange-y caramel beige colour (do not effervesce very strongly due to silicification imprint).

Healed fractures occur pervasively and are commonly oriented at 15-18, 22-23, 28-32, 47-52, 60-67 degrees to ca. The 28-32 deg healed fractures locally crosscut the 15-18 deg healed fractures. Also locally, 22-23 deg set crosscut the 47-52 deg healed fracture. All sets are barren and show no preferential occurrence with sulfides or VG.

~1-3% white blebby quartz-carbonate veinlets (locally, proportion changes as noted in sample table). Veinlets typically ~5mm to 1 cm wide and oriented at 30, or 40-45 degrees to ca and are barren (or feature fine-grained pyrite tangentially along their contacts, hosted within the altered matrix). Wider and blebbier veinlets observed at 15-20 and 40 degrees to ca (also barren). (40 degree contacts for widest milky white quartz-carbonate vein in unit at ~350.87 - 351.15m) - note its upper contact is irregular and very blebby); trace fine-grained pyrite manifests intermittently along mm-wide dark green chlorite wisps/stringers oriented at 28-30 degrees to ca. Most veinlets lack any associated alteration internally, except for rare veinlet with clots of dark green chlorite (observed locally in barren white quartz-carbonate veinlet oriented at 38 degrees to ca and ~4-

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		5mm wide). Strong alteration obscures fabric and texture. Locally, can discern fabric weakly at ~78 degrees to ca. Note: highly jointed at ~349.5 - ~350.7m (at least one main joint set @ 18-20 degrees to ca, and and odd joints at 30 degrees and at 70-75 degrees to ca). Est. RQD in this interval is ~17%. Irregular lower contact at ~40 degrees to ca.																			
351.15	355.54	**FUCHSITE CONGLOMERATE** Unit is variable in appearance due to varying alteration type and intensity, as noted below. 351.15 - 353.49m: Resembles intercalated conglomerate with zones of felsite that vary in width between 6 and 35 cm. Trace very fine- to medium-grained pyrite occurs as disseminations, concentrations within <1 cm wide bands parallel to host rock fabric. Trace very fine- to fine-grained acicular arsenopyrite also occurs as disseminations throughout siliceous host rock and as local discrete <1.5cm long wisps oriented at 80 degrees to ca (i.e., @ ~353.25m). Acicular arsenopyrite also observed within rare <5mm wide light grey quartz-carbonate veinlet oriented at 70 degrees to ca (parallel to host rock fabric) (i.e., @ 352.77m). Local fine- to medium-grained blebs of brownish orange sphalerite occur within 5mm white quartz-carbonate veinlet at 30 degrees to ca (small clots of dark chlorite occur throughout the veinlet with the sphalerite). Healed (barren) fractures oriented at 4, 49, and 20 degrees to ca.	F CONG	m-s	m-s	1-2	tr F	030	351.15	351.86	0.71	1-2	tr		0.674						
			F CONG	m-s	m-s	2-3	tr F	031	351.86	352.67	0.81	2-3	tr.5		0.118						
			F CONG	m	m	3-4	tr F	032	352.67	353.49	0.82	1-2	tr		0.075						
			F CONG	m	m	1-2	n Fuch	033	353.49	354.00	0.51	0.5-1	tr		0.054						
			F CONG	m	m	1-2	m-s F	034	354.00	354.61	0.61	0.5-1	tr		0.057						
			F CONG	m	m-s	3-4	w-m F	035	354.61	355.54	0.93	1-2	tr-.5		0.796						

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

Fabric at 68 degrees to ca. Local fine-grained pyrite stringers are semi-conformable to fabric at 65 degrees to ca. Local slickenlines at ~352.5m oriented at so almost ~orthogonal relative to long axis of core. Slickenlines also at ~351.45m.

Felsite appears beige-buff in colour with bright green fuchsite wisps and the odd bright yellow sericite wisp.

Felsite occurs @ the below intervals:
- 351.46 - 351.80m: upper/lower contacts @ 68 and 80 degrees to ca
- 351.90 - 352.28m: upper/lower contacts @ 68 and 68 degrees to ca
  - contains trace to 0.5% fine-grained blebs of brownish orange sphalerite disseminated throughout with fine-grained pyrite. Healed fractures in this interval are oriented at 52 and 28 degrees to ca (both barren).
- 352.76 - 352.82m: upper/lower contacts @ 73 and 63 degrees to ca
- 352.89 - 353.07m: upper/lower contacts @ 72 and 52 degrees to ca
- 353.20 - 353.34m: upper contact @ 74 degrees to ca. Lower contact is gradational.

353.49 - 355.54m: Due to shearing/well-developed fabric, the unit has a thinly banded appearance from the attenuated felsic clasts, dark green chloritic clasts and fuchsite wisps. Moderate to strong bright green fuchsite alteration and moderate silicification, albite, and carbonate alteration. Can discern tapered ends of felsic clasts (stretching ratio of ~5cm long by 5mm wide). Pyrite bands as wide as 4mm and parallel to fabric.

Healed fractures oriented at 3-7 degrees to ca (slightly

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		undulatory), and at 40-47 degrees (both sets barren). Local low-angle mm-wide white quartz-carbonate veinlets undulate along long axis of core. Strong fabric @ 77 degrees to ca. Gradational lower contact. Fabric at 355.50m is 68 degrees to ca.																			
355.54	357.00	**GREYWACKE** Light greenish grey, homogeneous fine-grained wacke. Pervasive ~15-20% very fine-grained dark green chlorite specks/wisps uniformly distributed throughout. Weakly defined fabric @ 70 degrees to ca. Trace fine- to medium-grained wisps of bright green fuchsite occur slightly elongate so parallel to host rock fabric. Overall, this unit is very weak to nil for both alteration and mineralization. Trace very fine- to fine-grained disseminated pyrite occurs intermittently throughout the matrix. <1% wispy mm-wide barren white quartz-carbonate stringers variably oriented. Minor fine-grained pyrite also observed within mm-wide veinlets oriented at 56 degrees and 60 degrees to ca (these veinlets dark blue-hued grey and white in colour, respectively). Local barren healed fracture at 34 degrees to ca (proximal to arsenopyrite @ 356.2m). Local fine-grained stubby arsenopyrite scattered in matrix proximal to blue-hued dark grey quartz-carbonate ~2mm wide veinlet oriented at 75 degrees to ca. Sharp lower contact @ 82 degrees to ca (defined by abrupt alteration associated with minor quartz-carbonate veining, along contact with argillite below).	GRYWK	-	-	1-2	tr F	036	355.54	356.27	0.73	tr	tr			0.022					
			GRYWK	-	-	0.5-1	-	037	356.27	357.00	0.73	tr	-			0.036					

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
357.00	367.46	**ARGILLITE** Black aphanitic mudstones interbedded with dark grey sandstones and sediments. Beds vary in width between 4mm and 20 cm. Bedding at 77 to 85 degrees to ca. Cleavage @ 63 to 68 degrees to ca. Graded bedding suggests fining direction is downhole. ~0.5% fine- to medium-grained subhedral pyrite grains scattered intermittently throughout the bedding. ~1-2% white to pale grey carbonate-quartz wispy stringers/narrow veinlets <3-5mm wide, mostly parallel to bedding but also locally variable; veinlets tend to be barren. Odd 20-30 degree vaguely sigmoidal mm-wide stringer contains minor pyrite. Veins as wide as ~3-5cm and feature minor dark green chlorite clots but are barren. Unit grades from pale yellow to lighter grey, and then downhole of ~357.7m, is black/dark charcoal in colour. Localized bleaching at upper contact due to veining/alteration along contact with fuchsite conglomerate/felsite. Local pale yellow sericite threads near lower contact. They are closely proximal to trace very fine- to fine-grained acicular arsenopyrite. Sharp lower contact @ 73 degrees to ca.	ARG	w	w-m	2-3	-	038	357.00	357.53	0.53	tr-0.5	tr			0.761						
			BLANK	N/A	N/A	N/A	N/A	039	357.53	357.53	0.00	N/A	N/A			0.000						
			ARG	-	-	0.5-1	-	040	357.53	358.53	1.00	0.5	-			0.032						
			ARG	-	-	0.5-1	-	041	366.00	366.88	0.88	0.5	-			0.012						
			ARG	-	w	3-4	w	042	366.88	367.46	0.58	0.5	tr			0.051						

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
367.46	370.73	**INTERMEDIATE DYKE**	INT DYK	w	w	1-2	-	043	367.46	368.21	0.75	0.5	trSph			0.096					
			INT DYK	-	-	3-4	-	044	368.21	368.90	0.69	0.5-1	tr			0.140					
			INT DYK	w	w	2-3	-	045	368.90	370.01	1.11	1	tr			0.353					
			INT DYK	-	w	5-6	-	046	370.01	370.73	0.72	2-3	-			0.931					

Mauve-hued grey siliceous massive dyke pervasively mineralized with 0.5-3% very fine- to fine-grained subhedral to euhedral cubic pyrite disseminations throughout the matrix. Local yellow to beige colouration due to albite-carbonate alteration. <1% white wispy barren discontinuous veinlets/blebs at various orientations.

368.21 - 368.34m: white quartz-carbonate veinlet with pervasive ~35-40% medium- to coarse-grained dark green chlorite clots.
- Sharp upper and lower contacts @ 42 and 28 degrees to ca, respectively.
- no sulfides observed

368.34 - 370.01m: Argillite
- Dark charcoal grey with black aphanitic mudstones varying in bedding widths between 3mm and 8.5 cm and oriented at 89 degrees to ca.
- ~3-4% white to light grey quartz-carbonate veinlets oriented at 27, 40-45, and 77-80 degrees to ca. Fine-grained pinkish pale orange sphalerite observed within 77 deg clear/light greyish blebs. Local fine-grained chalcopyrite blebs within 80 degree clear/light grey blebs along back of core. The 27 deg stringers (mm-wide) are crosscut locally by a 77 deg bleb hosting minor sphalerite. Local 40 deg white quartz-carbonate stringer also hosts fine- to medium-grained blebs of sphalerite, in addition to small clots of dark green chlorite. Trace chalcopyrite also observed locally within a 34 degree to ca ~3-4mm wide white quartz-carbonate stringer. All veinlets crosscut the 80 degree to ca bedding core angle.
- Sharp upper and lower contacts @ 28 and 72 degrees to ca, respectively.

Core does not lock together at lower contact (reduced

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-073

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		confidence). Fabric near lower contact occurs @ 79 degrees to ca.																			
370.73	380.97	**ALTERED SHEARED ULTRAMAFIC?** Medium olive green matrix with ~5-7% pervasive blebby blue-hued grey quartz-carbonate veining/blebs (seem to decrease in abundance gradually downhole). Intermittent ~0.5-1% fine- to medium-grained subhedral pyrite disseminations scattered throughout the matrix. Moderately pervasively chloritic. Non-magnetic. Relatively soft when scratched with scribe. Intermittent brecciation where unit takes on dark blackish green colour at ~376.35 - ~378.0m. 375.15 - 375.51m: Barren dark intermediate? Dyke - Dark grey, massive with ~1-2% white wispy barren carbonate-quartz veinlets ~5mm or narrower @ 25-30 degrees and ~55 degrees to ca. - No observed sulfides - Moderately soft when scratched with scribe, non-magnetic. - Sharp upper and lower contacts @ 38 and 53 degrees to ca, respectively. 375.73 - 376.66m: Barren dark intermediate? Dyke - Dark grey, massive with ~1-2% white wispy barren carbonate-quartz veinlets ~5mm or narrower @ 45 degrees and 75 degrees to ca. - No observed sulfides - Moderately soft when scratched with scribe, non-magnetic. - Sharp, but slightly irregular, upper and lower contacts @ 15 and 5 degrees to ca, respectively. 378.23 - 379.38m: Intermediate Dyke - Slight mauve-hued grey massive siliceous dyke pervasively	ALT SHR UM	-	-	4-5	m Chl	047	370.73	371.73	1.00	0.5	-			0.181					
			ALT SHR UM	-	-	2-3	m Chl	048	371.73	372.73	1.00	0.5	-			0.064					
			ALT SHR UM	-	-	1-2	m Chl	049	372.73	373.81	1.08	tr-0.5	-			0.006					
			ALT SHR UM	-	w	0.5-1	-	050	378.23	379.38	1.15	1	-			0.118					
			ALT SHR UM	-	-	0.5	-	051	379.38	379.89	0.51	-	-			0.005					
			ALT SHR UM	-	-	0.5-1	-	052	379.89	380.33	0.44	-	-			0.002					
			ALT SHR UM	-	-	4-5	-	053	380.33	380.97	0.64	0.5	-			0.019					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-073

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

mineralized with ~1% very fine- to fine-grained subhedral to euhedral cubic pyrite throughout matrix. <1% white wispy barren quartz-carbonate veinlets <1cm wide oriented at 25-30 degrees to ca.
- Local dark green chlorite bands @ 15-20 degrees to ca commonly associated with minor fine- to medium-grained pyrite and locally crosscut white quartz-carbonate veinlets.
- Moderately soft when scratched with scribe, non-magnetic.
- Sharp upper and lower contacts @ 87 and 73 degrees to ca, respectively.

379.38 - 379.89m: Weakly altered ultramafic
- Light green with heterogeneous brecciated/sheared up texture (fabric moderately defined at 54 degrees to ca). Local dark green chloritic clots elongated along fabric orientation. ~10-13% white to pale cream-coloured fine- to medium-grained feldspar-quartz blebs throughout.
- No observed sulfides.
- Moderately soft when scratched with scribe, non-magnetic.
- Sharp upper and lower contacts @ 73 and 68 degrees to ca, respectively.

379.89 - 380.97m: Mafic-Intermediate Dyke
- Medium to light greyish green fine-grained matrix with pervasive uniformly distributed dark green fine-grained chlorite clots throughout. Between 380.33 and 380.97m, there is an abrupt injection of slightly blue or mauve-hued dark grey blebby quartz veining that contains ubiquitous very fine-grained pyrite (possibly arsenopyrite - too fine to definitively ascertain). ~2-3% white blebby quartz-carbonate veinlets <5mm wide and variably oriented (barren).
- very weakly defined fabric near lower contact @ ~48 degrees to ca.
- Moderately soft when scratched with scribe, non-magnetic.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-073

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		- Sharp upper and lower contacts @ 68 and 55 degrees to ca, respectively. Sharp lower contact @ 55 degrees to ca. Chill margin at lower contact is darker in colour and finer grained.																			
380.97	384.89	**ULTRAMAFIC** Dark blackish to charcoal greyish green matrix pervasively ribboned with ~10-12% white (mostly) barren carbonate veining at various orientations. Variably serpentine- and talc-altered (soapy feel and can scratch easily with scribe but cannot scratch with fingernail; dark evergreen to olive green in colour). Non-magnetic. Intemittent brecciation. Unit lacks consistent or strong fabric. Trace fine- to medium-grained subhedral pyrite occurs as local disseminations mostly within odd wispy mm-wide pale grey carbonate veinlets at 53 and ~63 degrees to ca. Sharp lower contact @ 80 degrees to ca.																			
384.89	392.63	**INTERMEDIATE DYKE** Mauve-hued grey massive siliceous intermediate dyke with ~trace to ~2-3% very fine- to medium-grained subhedral to euhedral cubic pyrite disseminations scattered throughout the matrix. No arsenopyrite observed, but local rose-hued fine- to medium-grained pyrrhotite blebs (commonly observed in close association with pyrite) found intermittently between 388.33 and 392.63m. Pyrrhotite also observed as discontinuous discrete wisps, oriented at 70 and 48 degrees to ca, at ~391.60m. Pyrrhotite blebs also observed locally within local ~0.5mm to 1cm wide white quartz-carbonate veinlets (@ ~391.4m) oriented	INT DYK	-	-	2-3	-	054	384.89	385.78	0.89	-	-			0.002					
			INT DYK	-	w	3-4	-	055	385.78	386.78	1.00	1-2	-			0.271					
			INT DYK	-	w	6-8	-	056	386.78	387.39	0.61	0.5-1	-			0.095					
			UM	-	w	3-4	-	057	387.39	387.70	0.31	tr	-			0.007					
			INT DYK	-	v.wk	5-6	-	058	387.70	388.33	0.63	2-3	-			0.176					
			STD	N/A	N/A	N/A	N/A	059	388.33	388.33	0.00	N/A	N/A			2.940					
			INT DYK	-	-	4-5	-	060	388.33	388.98	0.65	0.5-1	trPo			0.175					
			BLANK	N/A	N/A	N/A	N/A	061	388.98	388.98	0.00	N/A	N/A			0.002					
			UM	-	-	5-7	w Chl	062	388.98	389.80	0.82	tr	-			0.007					
			UM	-	-	5-7	v.wk C	063	389.80	390.43	0.63	tr	-			0.005					
			INT DYK	-	w	5-7	-	064	390.43	391.02	0.59	0.5	trPo			0.444					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-073

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		at 60-70 degrees to ca (locally crosscut by a mm-wide stringer oriented at 25 degrees to ca that also hosts fine-grained blebs of pyrrhotite).	INT DYK	-	w	3-4	-	065	391.02	391.69	0.67	0.5	trPo			0.625					
			INT DYK	-	-	0	-	066	391.69	392.19	0.50	tr-0.5	-			0.221					
		Moderately siliceous throughout (with exception of ultramafic inclusions - as noted below). Localized weak bleaching/Fe carbonate alteration - often immediately adjacent to odd veinlet - takes on pale beige-caramel orange-y brown colour.	INT DYK	-	-	0.5-1	-	067	392.19	392.63	0.44	tr	trPo			0.028					
			INT DYK	-	-	4-5	-	068	392.63	393.63	1.00	-	-			0.002					
		Refer to sample table for breakdown of est. % white quartz-carbonate veining, by interval. Overall, ~3-4% white barren blebby quartz-carbonate veinlets variably oriented at 55-65 degrees to ca (5mm to 1cm wide), 25-35 degrees to ca (4mm to 3.3 cm wide), and narrow vaguely sigmoidal mm-wide stringers at 10-15 degrees. Local 36 degree stringers are crosscut by 40 degree veinlets (i.e., at 391.0m). Rare 65 degree veinlet features discontinuous <1.5 cm long fine-grained pyrite wisp flanking along its contacts partially.																			
		384.89 - 385.78m: Mafic-Intermediate Dyke - Medium greyish green, massive, homogeneous with ~30% fine- to medium-grained dark green chlorite clots uniformly distributed throughout matrix. <2% white quartz-carbonate veining (barren) at 20-30 degrees to ca, and ~1cm wide. - Non-magnetic, relatively hard but can still scratch with scribe - Sharp upper and lower contacts @ 80 and 65 degrees to ca, respectively.																			
		387.39 - 387.70m: Weakly-moderately ghosted brecciated ultramafic - Looks just like @ 380.97 - 384.89m, but moderately bleached - Non-magnetic, relatively hard but can still scratch with scribe - trace to nil fine- to mediu-grained subhedral pyrite disseminations occur intermittently throughout the matrix.																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-073

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		- Sharp upper and lower contacts @ 75 and 72 degrees to ca, respectively. 388.98 - 390.43m: Brecciated Ultramafic - Looks just like @ 380.97 - 384.89m. - Non-magnetic, soft when scratched with scribe - trace to nil fine- to mediu-grained subhedral pyrite disseminations occur intermittently throughout the matrix. - Sharp upper and lower contacts @ 72 and 52 degrees to ca, respectively. Sharp lower contact @ 80 degrees to ca.																			
392.63	411.00	**ULTRAMAFIC** Dark blackish to charcoal greyish green matrix pervasively ribboned with white barren carbonate veining (vaguely looks anastomosing) at various orientations. Variably serpentine- and talc-altered (soapy feel and can lightly scratch with fingernail; blackish green in colour). Very strong talc-altered at 409.9 - 410.26m (pale greyish green - incompetent, very soft core - very easily scratches with fingernail). Non-magnetic. Intemittent brecciation. Locally weakly defined fabric at ~38 degrees to ca; most of unit lacks consistent or strong fabric. Local white carbonate veinlets as wide as 35 cm (barren). No sulfides observed in ultramafic matrix nor in veining. 396.50 - 396.85: Barren Intermediate Dyke - Mauve-hued grey massive dyke - No sulfides observed - Slightly gritty feel, not siliceous - ~1-2% white carbonate stringers with blackish green chloritic selvages, oriented at ~50-60 degrees to ca (barren).																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-073

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		- Sharp upper and lower contacts @ 35 and 48 degrees to ca, respectively. EOH @ 411m.																			

Printed: August 4, 2022

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	HR1008			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: one Hex core barrel. Note: This is the second attempt after TOG-21-74 (shallowed - drilled from Feb. 19th D/S to Feb. 20th D/S 7:52am ET, inclusive). Planned dip was changed from -65.5 to -66.5. Used DeviShot as downhole survey tool.
HOLE NO.:	TG22-074	LENGTH (m):	414.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362592.000	EASTING:	471800.000	COLLAR SURVEY BY: DeviCo Rig Aligner	
SECTION:	TZ_1200W	ZONE:	Thomas Ogden	ELEVATION (m):	300.000	DRILLING COMPANY: DrillCo	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	3.0 / -66.5	SURVEYED:	2.810 / -66.519	DATE LOGGED: Mar. 11, 2022 TO Mar. 29, 2022	Core Storage: Polk Farm
HOLE STARTED:	February 20, 2022	HOLE FINISHED:	February 23, 2022	MAG:	10.75º w	LOGGED BY: S.Huebert	Page 1 of 28

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n Index Carb	Alb	%Qtz	Ser	SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	21.00	**CASING**																			

DeviShot Data:

Depth (m) In/Out	Az (deg) (Raw)	Az (deg) (Corrected)	Dip (deg)	Northing (m)	
33.0m	14.43	4.27	-62.46	0.00	IN
84.0m	7.93	357.77	-64.26	0.00	IN
135.0m	6.26	356.10	-63.20	0.00	IN
186.0m	5.09	354.93	-62.50	0.00	IN
237.0m	7.47	357.31	-62.01	0.00	IN
288.0m	4.55	354.39	-62.19	0.00	IN
339.0m	3.63	353.47	-62.24	0.00	IN
390.0m	3.36	353.20	-62.61	0.00	IN
414.0m	3.40	353.24	-62.92	0.00	IN

EOH

QA/QC Samples:
TOG-22-074A-019 (BLANK)
TOG-22-074A-022 (BLANK) - follows VG-bearing sample
TOG-22-074A-026 (BLANK) - follows VG-bearing sample
TOG-22-074A-029 (STD) - CDN-CM-44
TOG-22-074A-039 (BLANK)
TOG-22-074A-042 (BLANK) - follows VG-bearing sample
TOG-22-074A-047 (BLANK) - follows VG-bearing sample
TOG-22-074A-059 (STD) - CDN-GS-9D
TOG-22-074A-061 (BLANK)

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-074

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
21.00	124.10	**MAFIC FRAGMENTAL**																			

This unit consists of heterogeneous fragments and quite variable from more mafic rich to felsic in composition and appear to form weak layers from mafic to felsic. Stretching ratio of clasts (Length: width) is generally about 2.5:1. Patches within the unit are gritty in appearance and resemble coarser sandstones. General alignment of the fragments and mineral alignment is at 58 to 42 degrees to ca. Near lower contact, foliation varies between ~50-58 degrees to ca, in last ~30m of unit The volcanic host is a chloritic fine-grained andesite. The clasts are dacitic to rhyolitic with a cream to soft beige colouration with speckled green chlorite within. The contacts are generally sharp and sub-angular with occasional rounded clasts ranging from <1cm to 1m in length.

Finer grained tuff intervals occur intermittently (i.e., ~42.25 - 48.9m and ~90-99.95m).

The foliation of the unit varies with weak and moderate sections. Occasional secondary white to semi-transparent quartz stringers and veinlets (<1cm) and local association with epidote. Trace hematite present along occasional fracture faces. Trace very fine- to fine-grained pyrite disseminations occur locally adjacent to, or tangentially along narrow white quartz-carbonate stringers/veinlets.

Overall, ~3-4% white to clear quartz-carbonate stringers and veinlets between a couple of mm's wide up to 14.5 cm wide (and often associated with clots of dark green chlorite). Odd veinlet presents small vugs (no sulfides observed in association with these stringers). Veinlets generally crosscut fabric and vary in orientation between 10 and 70 deg tca (most between 50 and 60 deg tca). Stringers/veinlets generally wispy and extensional.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-074

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Rare veinlet is sigmoidal and associated with trace fine-grained subhedral to euhedral cubic pyrite disseminations along its contacts. Local veinlet at 69.3 - 69.43m features trace very fine- to fine-grained pyrite disseminations closely proximal to the dark green chlorite clots within. Pale ballet pink colour of vein due to strong carbonate content with intermittent, but pervasive elongate dark green chlorite clots/discontinuous seams oriented at 38 degrees to ca. White quartz-carbonate vein at 84.23 - 84.39m is barren but features trace very fine- to fine-grained subhedral pyrite disseminations closely proximal to downhole contact, within host rock. Small dark clots/wisps of chlorite common in vein. Sharp upper and lower contacts @ 30 and 28 degrees to ca, respectively. Local patches of weak-mod dark green chloritization associated with wider veinlets/blebs of white quartz-carbonate. Trace fine- to very fine-grained subhedral to euhedral cubic pyrite diseminations often occur interstitally along quartz blebs, or along quartz bleb contacts. 34.05 - 34.4m: intermediate dike -sharp upper and lower contacts at 53 and 49 degrees resp. -grey/brown colouration -fine-grained -minor disseminated fine- to medium-grained cubic euhedral pyrite 44.14 - 44.31m: intermediate dyke -sharp upper and lower contacts at 45 and 43 degrees to ca, espectively -fine-grained, gritty -same greyish mauve-brown colour as previous intermediate dyke. -trace disseminated very fine- to fine-grained cubic pyrite																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

84.23 - 84.39m: Granular white quartz vein, tr very fine-grained pyrite observed within adjacent host rock, but vein itself appears to be barren of visible sulfides. Trace small dark green chlorite clots. Narrow chlorite wisps locally oriented at 40-45 deg tca. Adjacent host rock is dark green and appears finer grained due to localized chloritization.

80.70 - 80.77m: intermediate dykelet
-sharp upper and lower contacts at 45 and 50 deg tca, respectively
- fine-grained, homogeneous, medium to dark greyish buff-brown colour - similar to above two intermediate dykes
- pervasive ~1% very fine-grained disseminated cubic pyrite

89.78 - 90.91m: intermediate dykelet
- same as previous,
- Upper and lower contacts @ 69 and 47 deg tca, respectively.
- dyke is crosscut by barren ~cm-wide white sigmoidal carb-qtz stringer oriented approx. parallel to core axis and an offset limb at 40 degrees to ca.

95.24 - 96.89m: Intermediate dyke
- sharp sub-parallel upper and lower contacts @ 47 and 43 deg tca, respectively.
- greenish-grey buff in colour, very fine-grained. Patchy weak reddish pink colour due to weak-moderate potasssic alteration that occurs intermittently throughout unit
- ~2-3%white blebby and wispy carbonate-quartz stringers/veinlets
- trace to minor fine- to medium-grained subhedral to euhedral pyrite disseminations throughout matrix, and tangential locally along dark green chlorite selvages along carb-quartz stringers, oriented at 38 degrees to ca.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n Index Carb	Alb	%Qtz	Ser	SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		- Local ochre-coloured rusty staining at 96.2-96.55m. Sharp lower contact @ 65 deg tca																			
124.10	142.75	**MAFIC-INTERMEDIATE TUFF** Medium to dark green, fine grained with a gritty texture. Unit is relatively competent with minor fracturing. Weak to locally moderate foliation @50-67 deg to c.a. with horneblende clots (1-2mm) aligned parallel to foliation. Occassional white quartz veinlets (2-5mm to 2.8cm) predominantly @ 30-35, 40-45 and at 55-60 deg. Veinlets are barren and commonly feature small dark green clots of chlorite. To c.a. Locally grades to dacitic in composition. Relatively unaltered and unmineralized and non-magnetic. Unit becomes more chloritic near lower contact (darker green in colour and softer when scratched with scribe. Relatively sharp lower contact @40 deg to tca with associated strong foliation. Trace fine- to medium grained disseminated cubic subhedral pyrite scattered grains throughout matrix. Local slickenlines at 142.5m, along joint plane. Slickenlines oriented approximately orthogonal to long axis of core. From 124.1 - 129.36m: resembles ghosted mafic fragmental @ 48 degrees to ca. Sharp lower contact @ 48 degrees to ca.																			
142.75	150.93	**CHLORITE-SERICITE SCHIST**																			

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METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		This is an extremely foliated unit with ribboned white/pale yellow bands consisting of qtz/felds/carb which has been partially altered to sericite. The unit has undergone immense alteration with ribbon-like bands up to 1cm at various orientations with a preferential orientation of 40-50 deg tca. Cubic pyrite common ranging from trace to 0.5%. Lower contact @ Approx 49 deg to c.a. Unit is strongly foliated @ 40 to 53 degrees to ca (gently steepens downhole) and host rock is moderately silicified and greyish green in color with pervasive pale yellow wisps throughout. ~15-18% light grey/translucent quartz-carbonate blebs/veinlets semi-conformable to schist fabric. Commonly ~5mm wide, but locally as wide as 10cm. The wider veinlets at 83 and 60 degree to ca contacts and contain minor very fine- to fine-grained subhedral pyrite disseminations. Local barren amorphous pods/lenses of pink-hued quartz-carbonate at lower contact.																			
150.93	217.44	**CHLORITE SCHIST** This is an extremely foliated unit that resembles the way an ultramafic gets foliated and ribboned by white qtz/felds/carb. The unit has undergone strong chlorite alteration with weak to locally moderate fuchsite alteration that results in a very distinct green colouration. Parts of the unit are slightly darker with slight serpentine alteration and a typical peridotite specked appearance. The unit is intruded fairly heavily by white quartz/felds/carb stringers at random angles to ca as well as showing evidence of deformation through locally prominent S and Z folding. Quartz veins commonly contain trace to 0.5% finelly disseminated pyrite and commonly are fe-carb altered with brown staining locally.Gradational lower contact with ultramafics. Top 3m of unit is more of a gritty tuffaceious unit which exits a moderate foliation and chlorite/hbl clots	QTZ VEIN	w	-	90	wFuchs	001	158.58	159.26	0.68	tr	-			0.005						
			SER-CHL SH	-	-	7-8	m-s	002	216.02	216.93	0.91	tr	-			0.002						
			INT DYK	-	-	8-10	w	003	216.93	217.44	0.51	tr-0.5	-			0.006						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-074

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

throughout. Foliation highly variable between ~60 and 72 degrees to ca (note: local areas flatten so sub-parallel to long axis of core). Between ~159.0 and ~175.5m, fabric is relatively consistent at 48 to 40 degrees to ca (local mm-wide pyrite stringers slightly crosscut at 55 degrees to ca). Between ~175.5 to 210.9m, fabric more variable between 33 and 65 degrees (in this interval, compared to top of unit: more common to observed very fine- to medium-grained subhedral to euhedral cubic pyrite intermittently concentrated disseminations). Local mm-wide fine-grained pyrite stringers at 50 degrees to ca (often associated proximally or within light grey quartz veining).

Local odd ptygmatically folded pyrite veinlets <3-4mm wide occur throughout matrix.

150.93 - 154.07m: basal layer of chlorite schist,
- Moderately to locally defined fabric at 38-62 deg tca
- Dark green, fine-grained with ~30% white to pale cream coloured fine-grained equant subhedral-anhedral feldspar? Phenocrysts. ~20-25% Rose to salmon pink hued fine- to medium-grained phenocrysts and veinlets 2mm to 7.3 cm wide oriented at 62-53 deg tca occur intermittently throughout basal interval. Pink colouration derived from fine-grained garnets? Trace to minor fine-grained pyrite disseminations occur locally along vein/veinlet boundaries.

158.58 - 159.2m: Milky white massive quartz-carbonate vein
- trace fine-grained subhedral pyrite disseminations near lower contact
- intermittent <1-2 cm long mm-wide bright green crenulated fuchsite wisps throughout. Dark green crenulated chlorite stylolites also present at 40 degrees to ca (fuchsite ones lack defined orientation).
- healed barren fractures at 45-50 degrees to ca (dipping in

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both directions)
- sharp upper and lower contacts @ 63 and degrees to ca, respectively.

216.02 - ~216.93m: Chlorite-Sericite Schist
- ~7-8% milky white brecciated quartz-carbonate veining within medium to dark green micaceous strongly foliated interval with pervasive pale yellow sericite wisps/bands oriented at 40 degrees to ca
- no sulfides observed until near lower contact which manifest as ~couple mm-long fine-grained pyrite wisps parallel to foliation or as slightly coarser disseminations scattered throughout matrix
- sheared/gradational lower contact

~216.93 - 217.44m: Very weakly mineralized intermediate dyke
- very siliceous
- medium grey in colour, massive
- Sharp lower contact @ 30 degrees to ca
- ~10% pale peach hued potassic altered quartz-carbonate veining @ ~28 degrees to ca at 217.15. Dark green mm-wide chlorite threads/wisps common throughout weakly defining a fabric at 40 degrees to ca. Blebbier lower irregular contact to veining (@ ~217.43m). No pyrite within vein - sulfides constrained to matrix of siliceous dyke.

Sharp lower contact @ 30 degrees to ca.

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217.44	346.26	**ULTRAMAFIC** Dark greyish green massive matrix with abundant~35-40% pale grey to white carbonate veining that reflects plastic deformation subjected to this unit (i.e., intermittently crenulated and local ptygmatic folds defined by carbonate veining). Can easily scratch with scribe. Variably weakly to moderately serpentine alterated; moderately talc altered. Non-magnetic. Trace to nil fine- to medium-grained subhedral to euhedral cubic pyrite disseminations scattered locally in matrix. Intermittently brecciated downhole of ~ 225.3m. Fabric orientations: - ~228 - 235m: ~63 to 50 degrees to ca - 235 - 248.47m: 50 to 20 degrees (intermittently flattens so undulates along a sub-parallel angle relative to ca. - 248.47 - 249.25m: ~6 degrees to ca - 249.25 - 257.0m: ~21 to 15 degrees to ca - 257.0 - ~267m: gently undulates so sub-parallel to ca (~267-~276m features intermittent brecciation which disrupts fabric) - ~276 - 278m: undulates sub-parallel to core axis - ~278 - 288m: ~30-20 degrees to ca - ~288 - ~289.5m: ~45-50 degrees to ca - ~289.5 - 295.10m: ~25-28 degrees to ca - 296.52 - 305.5m: ~70 - 50 degrees to ca - 305.5 - 313.0m: ~75-88 degrees to ca - 313.0 - ~327m: Very ductile and variably fabric - no consistent core angles - ~327 - ~333m: ~68-78 degrees to ca (but still ductile and locally variable) - ~333 - 340.92m: ~71-63 degrees to ca - ~340.92 - 346.26m: ~79-70 degrees to ca 237.0 - 237.61m: Strongly pyritic chlorite schist inclusion - dark green chloritic fine-grained matrix; relatively soft when	CHL SCH	-	-	3-4	-	004	237.00	237.61	0.61	10-12	-			0.554						
			UM	nt carl	-	2-3	n Fuch	005	246.78	247.73	0.95	tr-0.5	-			0.012						
			UM	nt carl	-	7-10	n Fuch	006	247.73	248.47	0.74	tr-0.5	-			0.011						
			FEL DYKE	w-m	m-s	0.5	-	007	248.47	249.25	0.78	2-3	tr			0.036						
			UM	w-m	m	1-2	w-m F	008	249.25	249.77	0.52	0.5	-			0.027						
			UM	v. wk	-	2-3	s Fuch	009	255.04	255.54	0.50	1-2	-			0.002						
			UM	nt carl	-	1-2	m-s F	010	259.52	260.40	0.88	0.5	tr			0.002						
			UM	carb v	-	1-2	m-s F	011	260.40	261.00	0.60	0.5-1	-			0.002						
			UM	e carl	-	8-10	m-s F	012	262.84	263.52	0.68	1	-			0.002						
			INT DYK	v.wk	w-m	9-11	-	013	295.10	296.30	1.20	2-3	-			0.002						

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		scratched with a scribe. - ~10-12% very fine- to medium-grained subhedral pyrite manifests as blebs elongated parallel along fabric orientation @ 19 degrees to ca, as well as discrete mm-wide stringers (also parallel to fabric). - Pyrite blebs have average dimensions of ~9mm long by ~1mm wide. ~3-4% quartz veinlets <5mm wide parallel to fabric appear dark grey with a slight blue undertone and contain very fine- to fine-grained pyrite. - magnetic at 237.4m (very dark green chloritic band @ 19 degrees to ca lacking pyrite). - sharp upper and lower contacts @ 17 and 20 degrees to ca, respectively. Moderate to strong bright green fuchsite alteration, associated with ~0.5 - 2% very fine- to fine-grained disseminated pyrite @ 246.78 - 248.47m, 249.25 - 249.77m, & 255.04 - 255.54m, 259.52 - 261.0m, 262.84 - 263.52m, & 282.37 - 283.48m. (Possible local trace very fine-grained stubby and acicular arsenopyrite, as indicated in sample table). Intervals of strong fuchsite alteration also associated with abundant pale cream-hued carbonate veining. Intervals @ 249.25-249.77m & 259.52 - 261.0m reflect core angles that gently undulate sub-parallel to ca. In other intervals, fabric averages ~21-23 degrees to ca. 282.37-283.48m weakest pyrite content and relatively least altered in terms of intensity. 248.47 - 249.25m: Mineralized Felsite-like Dyke - Beige-buff in colour with pervasive mm-wide dark blackish green chlorite seams throughout (~35%) which define a moderately strong fabric @ ~6 degrees to ca. - Moderate to strong albitization and carbonate alteration - Sharp upper and lower contacts @ 18 and ~8 degrees to ca,																			

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

respectively (note: lower contact is shallow and gently undulates along long axis of core).
- Pervasive very fine- to fine-grained euhedral cubic disseminated pyrite grains scattered throughout the altered matrix.

295.10 - 296.30m: Mineralized Intermediate Dyke
- Sharp upper and lower contacts @ 18 and 25 degrees to ca
- Subtle mauve-hued medium greenish grey in colour
- Pervasive ~2-3% very fine- to fine-grained euhedral cubic pyrite disseminations scattered throughout the altered matrix. ~9-11% cream-hued carbonate-quartz veinlets <1 cm wide are barren and feature localized mauve-hued alteration haloes due to locally strong silicification and are commonly oriented at 73-80 degrees to ca (locally feature brecciation within them). Rare white/translucent quartz-carb veinlet at 63 degrees to ca and ~4.2 cm wide is also barren and features brecciation.
- 295.50 - 295.85m: RQD is ~43%.

296.30 - 296.52m: Massive Quartz-Carbonate vein
- No observed sulfides
- Sharp upper and lower contacts @ 25 and 73 degrees to ca, respectively
- ~80-85% milky white quartz-carbonate with local buff-beige subrounded breccia fragments
- Local ~1 cm wide dark green chlorite band near lower contact @ 72 degrees to ca

296.52 - ~305.50m: Chlorite Schist
- Medium to dark green ribboned with ~30% pale grey to white carbonate-quartz veinlets <1 cm on average that are sub-parallel to ductile fabric (local ptygmatic folding, crenulations are the predominant plastic deformation textures). Local fold noses @ ~302 - 302.3m.

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

- Local fine- to medium-grained subhedral cubic pyrite disseminations occur in local concentrations within chloritic matrix and within local micro fold hinges.
- Overall, trace to nil pyrite content.
- Intermittent white sigmoidal quartz-carb veinlets 1-2.5 cm wide at 30-40 degrees to ca and appear barren.
- Fabric varies between 64 to 75 to 14 degrees to ca (and intermittently flattens along core axis).

311.5 - 312.0m: Ultramafic? Dyke
- massive, medium grey with pervasive ~15% fine-grained dark green flecks disseminated evenly throughout
- No observed sulfides and no significant veining aside from ~2-3% wispy white barren carbonate stringers at ~80-85 degrees to ca. Localized mm-wide dark green chloritic selvages common along veinlets.
- Sharp upper contact @ 88 degrees to ca; core is broken up at lower contact.
- Non-magnetic
- Soft when scratched with scribe.

Downhole of the dyke, the ultramafic unit becomes noticeably stronger in terms of serpentine- and talc-alteration due to darker colour of matrix, slightly soapy feel, and much softer to scratch (able to scratch with fingernail). Still non-magnetic.

323.20 - 325.36m: Folded sediments hsoted within ultramafic
- Pale mauve-hued grey in colour
- Trace intermittently occurring mm-wide very fine- to locally medium-grained subhedral cubic pyrite stringers tha conform to the fabric of the sediments (locally at 12 degrees and undulating along long axis of core).
- Interval shows a couple of folds (note: core was locked together prior to photos/logging).

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		- Core angles of uppermost and lowermost contacts @ 74 and 60 degrees to ca. No significant veining. Downhole of ~338.90m, are intermittently occuring pale brownish beige intervals as wide as ~53 cm of carbonate-altered ultramafic (no sulfides observed in these intervals). ~330 - 331.2m: ultramafic takes on paler colouration due to bleaching because of increased frequency (~5-8% within this interval) of barren white quartz-carbonate veining at 20-30 and 50-60 degree contacts and generally ~3.5 to 8 cm wide. 340.92 - 341.17m: narrow interval of brownish buff-coloured moderately altered ultramafic with trace very fine-grained subhedral disseminated pyrite. Sharp upper and lower contacts @ 85 and 82 degrees to ca, respectively. 342.89 - 343.45m: same as at 340.92 - 341.17m. Sharp upper and lower contacts @ 75 and 82 degrees to ca, respectively. Also bears trace very fine-grained disseminated pyrite locally. Lower contact @ 68 degrees to ca (intercalated like contact - local narrow intervals of sediments and altered ultramafic, as wide as , occur starting around 340.92m. Lower contact defined based on where altered ultramafic is continuous before the felsite below).																			
346.26	349.80	**ALTERED ULTRAMAFIC** Pervasive yellowish to brownish light green. Yields patchy/vaguely banded appearance due to variable alteration type and respective intensity. Fine-grained/massive. Trace to nil very fine- to fine-grained subhedral pyrite occurs locally as disseminations within matrix or in rare white carbonate-quartz	ALTD UM	w-m	w-m	4-6	w-m	014	346.26	347.02	0.76	tr	tr			0.020					
			ALTD UM	w-m	w-m	5-7	w-m	015	347.02	348.00	0.98	tr	-			0.008					
			ALTD UM	w-m	w-m	4-6	w-m	016	348.00	348.80	0.80	tr	-			0.059					
			ALTD UM	w	w	5-7	n Fuch	017	348.80	349.80	1.00	tr-0.5	tr			0.019					

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		veinlet at 2-5mm wide and oriented at 68 degrees to ca (sub-parallel to foliation). Variably weakly to strongly albitized-Fe carbonate altered (yellowish-buff beige coloured patches/bands) and locally moderately fuchsite-sericite altered (bright granny smith apple green to pale yellow in colour). Comparably harder when scratched with scribe compared to previous unit (relatively unaltered ultramafic). Increasingly hard towards lower contact. Non-magnetic. Locally weakly to moderately effervesces with HCl. Downhole of ~348.80m, fuchsite alteration intensity increases and yields a consistent bright granny apple smith green colour. Intermittent mm-wide dark green chlorite threads and specks locally yield a mottled like appearance. Moderate to strong shear fabric @ 83-86 degrees to ca. In this interval, trace to nil sulfides. Local very fine- to fine-grained subhedral cubic disseminated pyrite and stubby arsenopyrite grains observed within odd pale grey carbonate-quartz veinlets semi-conformable to host rock fabric at 78-80 degrees to ca and 5mm to 2cm wide. ~3-4% white carbonate-quartz veinlets <1 cm wide and semi-conformable to host rock fabric at ~72-80 degrees to ca, and are generally barren but rare veinlet hosts trace very fine-grained disseminated pyrite. Deeper grey/translucent quartz-carbonate stringers/veinlets appear slightly blebbier but occur at same orientations and widths also locally host trace very fine-grained subhedral disseminated pyrite, as well as trace to nil very fine-grained acicular arsenopyrite. Late stage mm-wide white carbonate stringers crosscut the grey quartz-carbonate veinlets at ~58-60 degrees to ca. Local barren grey quartz veinlets appear sigmoidal and undulate along the long axis of																				

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		the core, crosscutting the host rock fabric at 78 degrees to ca (@ ~348.1m). No signficant or frequently occurring chlorite or other alteration observed directly within any veinlet regardless of composition/orientation. Local trace to nil very fine-grained prismatic arsenopyrite grains. Moderately developed shear/strong foliation throughout unit is generally consistent at 78 to 87 degrees to ca. Sharp lower contact @ 60 degrees to ca.																			
349.80	354.42	**FELSITE** A total of eight VG clusters observed (2 at 351.50m, and 5 at 351.63-351.70m) (in sample 021), and one VG cluster at 353.65m (in sample 025). Consistent pale buff-beige colour with mottled mauve-hued undertones. Very siliceous and hosts ~0.5-2% pervasively disseminated very fine- to fine-grained subhedral to euhedral cubic pyrite and arsenopyrite (very fine- to fine-grained stubby crystals appear to be dominant in terms of extent and abundance over local trace acicular grains). Intermittent very fine-grained pyrite mm-wide wisps also occur throughout and are fairly consistently oriented at ~77-80 degrees to ca. VG @ 351.50m (sample 021): (CLOSE-UP PHOTOS AVAILABLE). - 351.63m: 2 clusters (both in half of core to be assayed - coarsest in sample at 3.5-4mm wide each). Both blebs appear as amorphous and feature tangential or coalescing finer grains closely proximal to their grain boundaries. Also, very fine-grained subhedral pyrite is closely associated with the VG	FEL	m-s	m-s	1-2	-	018	349.80	350.70	0.90	0.5-1	tr			0.050					
			BLANK	N/A	N/A	N/A	N/A	019	350.70	350.70	0.00	N/A	N/A			0.002					
			FEL	w-m	m-s	2-3	-	020	350.70	351.40	0.70	0.5-1	tr-.5			0.093					
			FEL	w-m	w-m	5-7	-	021	351.40	351.90	0.50	0.5-1	tr+VG			35.800					
			BLANK	N/A	N/A	N/A	N/A	022	351.90	351.90	0.00	N/A	N/A			0.002					
			FEL	w-m	m-s	1-2	-	023	351.90	352.50	0.60	0.5-1	0.5			0.260					
			FEL	w-m	m-s	0.5-1	-	024	352.50	353.14	0.64	1-2	0.5			0.325					
			FEL	w-m	m-s	0.5-1	-	025	353.14	353.70	0.56	1-2	1+VG			3.400					
			BLANK	N/A	N/A	N/A	N/A	026	353.70	353.70	0.00	N/A	N/A			0.005					
			FEL	w-m	m-s	0.5-1	-	027	353.70	354.42	0.72	1-2	0.5-1			0.711					

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		grains as local pyrite wisp is tangential to one of the gold blebs. Pyrite wisp is oriented at 70 degrees (also discrete discontinuous pyrite wisp partially flanking contact of blebby white quartz-carbonate veinlet at 65 degrees to ca). Local pyrite wisps oriented at 60 degrees to ca. Host rock fabric weakly discerned at 78 degrees to ca and is crosscut by 27 deg healed fractures. Healed fractures also crosscut the milky white quartz-carbonate veinlet at 60 degrees to ca (1.2 cm wide). Both VG clusters occur within the veinlet, tangential along its contacts and either touching or within 2mm of healed fractures oriented at 27-28 degrees to ca. Within ~3cm of the VG are local narrow grey/translucent quartz veinlets 1mm wide and oriented at 79 degrees to ca and feature trace very very fine-grained pyrite, possible arsenopyrite (too fine to say so definitively). These veinlets are crosscut by narrow 3mm-wide milky white veinlet at 30 degrees to ca (barren); this veinlet crosscuts pyrite stylolite oriented at 61 degrees to ca. Within 10 cm (VG centrally of this interval), there are 6 healed fractures oriented at 27-28 degrees to ca, and feature a spacing of 3-11mm apart (nearest to VG, healed fractures are more closely spaced at 3-4mm). Host rock has variable colouration to it (orange-y caramel coloured relict felsic silcieous clasts @ 75 degrees to ca and featrure stretching ratio of 3mm:4.5cm). Silicification yields a slight mauve undertone. VG @ 351.63 - 351.70m (sample 021): (CLOSE-UP PHOTOS AVAILABLE): 5 clusters (Two are in the half of core to be submitted for assay). - These VG clusters are closely proximal (within 4mm of) a barren healed fracture oriented at 27 degrees to ca. VG clusters average 1-3mm in diameter (one of the five is very fine-																				

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grained). Two clusters each about 2mm wide along half of core to be submitted for assay.

- One (1.5-2mm wide) VG grain touches a healed fracture; the coarsest bleb (~2.5-3mm wide VG) is 1.6mm away from nearest healed fracture (it "floats" within pale grey patch of silcification). Another 1.5-2mm wide VG grain is within a mm of a healed fracture/very narrow <0.5mm wide clear quartz-infilled fracture @ 42 degrees to ca (on half of core to be submitted for assay). A <0.5mm wide grain is about 2-3mm away from nearest healed fracture. The second bleb along half of core to be sent for assay is 1.5-2mm wide and is hosted within light grey/translucent quartz veinlet oriented at 55 degrees to ca and 3mm wide. Same veinlet also hosts the finest speck of VG, along where veinlet becomes more diffusive/less well-defined and crosscut by 42 deg stringer, mentioned previously.

- Within 10 cm interval (with VG at its centre), are also 6 healed fractures at 27-28 degrees to ca (and spaced at 6-7mm apart - closer to VG are a couple of healed fractures lacking continuity of others and are spaced at ~2-3mm apart). Within 1.7cm of a VG cluster, is a fine-grained discontinuous pyrite wisp oriented at 72 degrees to ca that crosscuts one of the healed fractures.

Local brecciated stringers at ~351.80m features very fine-grained interstitial disseminated pyrite along subangular felsite fragments (~2mm by ~5mm) with interstital white carbonate). Structure is oriented at 38 degrees to ca. Nearby healed fractures (barren) oriented at 38 and 23 degrees to ca.

VG @ 353.65m (sample 025) (CLOSE-UP PHOTOS AVAILABLE): one 2mm wide grain situated along fuchsite/chlorite and very fine- to fine-grained subhedral pyrite stringer (in very faintly defined healed fracture) oriented at 63 degrees to ca. Where VG occurs is at termination point of

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stylolite (offset from rest of stylolite 4mm dextrally). VG is 1.5cm away from 2 other similar stylolites at same orientation (other stylolites are also likewise disrupted/not continuous). VG occurs along upper contact of transition into blonde conglomerate below. Host rock surrounding VG is mottled mauve-hued grey and very siliceous. No other healed fractures (aside from a few with ~10% continuity at 50-55 degrees to ca). observed within immediate vicinty of VG. Nearest other 63 deg healed fracture at 2.5cm away and is very difficult to discern (alteration obscuring structures in this interval).

~0.5-1% very wispy/discrete quartz-carb stringers are variably oriented and usually <1mm wide and occasionally feature small vugs. Generally do not contain any significant mineralization or are barren. Downhole of ~353m, veining becomes more sigmoidal and the host rock matrix takes on more prominent pale mauve-hued grey colour. It seems as though very fine- to fine grained stubby arsenopyrite content increases in this interval.

Towards lower contact, get increase in green fuchsite wisps associated with locally abundant very fine- to fine-grained pyrite+/-stubby arsenopyrite. Stylolites/wisps oriented at ~70-73 degrees to ca.

Unit takes on orange-ish caramel buff colour between 349.80 and ~350.70m to stronger Fe carbonate alteration. Within this interval are prevalent healed (barren) fractures oriented at 20 and 28 degrees to ca. Local weakly crenulated pyrite stylolites are oriented at 18 and 28 degrees to ca. Core is more fractured and jointed relative to rest of unit (RQD @ ~45%). Rare fuchsite wisp occurs intermittently.

Lower contact @ 68 degrees to ca demarcated by sudden

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		abundance in fuchsite wisps.																			
354.42	362.20	**CONGLOMERATE** One cluster of ~3 very fine- to fine-grained VG specks @ 362.17m (in sample 041 - VG is along half of core to be submitted for assay). Highly variable appearance due to local shearing and alteration type/intensity/localization. A couple of intervals also appear reminiscent of an altered mafic conglomerate, whereas the predominant appearance of this unit is of a blonde conglomerate. Below provides details: 354.42 - 355.16m: Blonde Conglomerate - Frequent ~5-8% bright green a couple of mm-wide fuchsite wisps/discontinuous discrete clasts oriented at 53-60 degrees to ca. Host rock has yellowish-buff colour due to strong albite, silica alteration with mottled mauve-undertones. Very fine-grained pyrite and sometimes stubby arsenopyrite occurs in localized abundance in association with fuchsite wisps. Very fine-grained pyrite and stubby arsenopyrite also occur throughout matrix as scattered disseminations. 355.16 - 356.20m: Altered interval with intercalated mafic conglomerate and blonde conglomerate - Patchy moderate to strong dark green chlorite and pale beige-ish yellow albite alteration obliterate texture/fabric from 355.16-355.5m. ~0.5-1% very fine-grained stubby arsenopyrite and pyrite disseminated throughout. - Downhole of ~355.5m, fabric and texture is discernable at ~50-58 degrees to ca (local 5mm wide chlorite dark green bands at 48 degrees to ca). Local fine-grained brownish red sphalerite blebs hosted within white carbonate gashes,	CONG	w-m	m-s	0.5-1	wFuch	028	354.42	355.16	0.74	2-3	0.5-1	2.570							
			STD	N/A	N/A	N/A	N/A	029	355.16	355.16	0.00	N/A	N/A	1.370							
			CONG	w-m	m	2-3	trFuch	030	355.16	356.20	1.04	1-2	0.5-1	0.619							
			CONG	w	/k to	0.5	wFuch	031	356.20	356.84	0.64	0.5-1	0.5	2.460							
			CONG	w-m	m-s	0.5	v.wk F	032	356.84	357.52	0.68	1-2	0.5-1	1.040							
			CONG	w	w-m	5-7	w-m F	033	357.52	357.96	0.44	0.5-1	0.5-1	0.656							
			CONG	w	s	1-2	w Fuch	034	357.96	358.85	0.89	1-2	1	2.870							
			CONG	w	w	0.5-1	w-m F	035	358.85	359.35	0.50	0.5-1	tr-.5	0.407							
			CONG	w	w	2-3	-	036	359.35	359.75	0.40	1-2	.5-1	1.050							
			CONG	w-m	stror	2-3	w Fuch	037	359.75	360.60	0.85	0.5-1	tr-.5	2.150							
			CONG	w-m	s	0.5	w Fuch	038	360.60	361.26	0.66	1-2	0.5	0.439							
			BLANK	N/A	N/A	N/A	N/A	039	361.26	361.26	0.00	N/A	N/A	0.005							
			CONG	w	w-m	2-3	m-s F	040	361.26	361.76	0.50	1-2	1-2	0.992							
			CONG	w-m	m-s	5-7	w Fuch	041	361.76	362.20	0.44	3-4	.5+VG	15.500							
			BLANK	N/A	N/A	N/A	N/A	042	362.20	362.20	0.00	N/A	N/A	0.002							

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TG22-074

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

crosscutting host rock fabric, oriented at 75 degrees to ca (no other sulfides observed). Sphalerite occurs in half of core to be assayed.

356.20 - 356.84m: deeper fuchsite green colour due to moderate fuchsite alteration. Moderate to strong fabric at 54 degrees to ca. ~0.5-1% very fine- to fine-grained disseminated pyrite and lesser arsenopyrite. Moderately soft when scratched with a scribe.Local barren sigmoidal veining near lower part of interval and grades back into blonde conglomerate below.

356.84 - 358.85m: Blonde conglomerate - appears as above but features local fuchsite-rich sheared interval @ 357.52 - 357.96m. Pervasive granular white to light grey/translucent texture - very blebby and lacking well-defined fabric oreintation due to deformation/alteration intensity. ~2-3% very fine- to fine-grained subhedral pyrite and stubby arsenopyrite occur pervasively often preferentially along contacts of quartz blebs/veining. Upper and lower contacts of fuchsite shear zone are 55 and 60 degrees to ca, respectively. Slickenlines observed along joint plane at 357.52m (approx. parallel to long axis of core - weakly defined).
- fabric of blonde conglomerate @ 61-53 degrees to ca, as defined by fuchsite clasts/wisps.
- Lower contact of overall interval is 53 degrees to ca.

358.85 - 359.79m: same as previous fuchsite interval @ 356.2-356.84m.
Local ~1 cm wide bands of very fine- to fine-grained stubby arsenopyrite and pyrite oriented at 55 degrees to ca.
Lower contact @ 47 degrees to ca. Fabric at 53 degrees to ca.

359.79 - 361.26m: very strongly albitized blonde conglomerate - very siliceous and hard when scratched with scribe. ~15-18%

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		medium-grained sub-rounded clear/pale grey quartz eyes scattered throughout matrix. - Local sigmoidal mm-wide pyrite stylolites/stringers - Fabric is ~65-54 degrees to ca as defined by <1mm wide fuchsite stringers. - Pervasive very fine- to fine-grained disseminated pyrite and trace acicular arsenopyrite at 360.75m (within matrix). Local trace fine- to medium grained brownish red blebs of sphalerite within 1-2mm wide white carbonate sigmoidal veinlet parallel to long axis of core at ~361-361.26m (along back of core). - Sharp lower contact @ 51 degrees to ca. 361.26 - 361.76m: strong fuchsite altered shear zone - fabric at 45 degrees to ca (s-fabric) and secondary crosscutting fabric at 50 degrees to ca. Unit features micro-folds and tend to feature trace fine- to medium-grained brownish red blebs of sphalerite which conform to the structure of the fabric. Pervasive ~0.5-1% very fine- to fine-grained stubby arsenopyrite grains throughout matrix. Very blebby/amorphous irregular lower contact (est. ~73 degrees to ca). 361.76m - 362.20m: VG Present (CLOSE-UP PHOTOS AVAILABLE) Strongly altered shear zone (caramel orange-y yellow to beige-buff colour due to strong albite/Fe carbonate/silica alteration) with local bands of bright green strong fuchsite alteration with is strongly associated with locally abundant stubby fine-grained arsenopyrite. Local trace fine-grained blebs of chalocpyrite and brownish red sphalerite (one bleb of each sulfide) within discontinuous white quartz-carbonate bleb . These sulfides are about 10.3cm away from VG at 362.17m. A couple of very fine-grained specks occur closely with fine-grained pyrite, all hosted within blebby white quartz-carbonate veinlet 3.5cm wide and oriented at 62 and 65 degrees to ca (upper/lower contacts,																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		respectively). No prominent or immediately proximal healed fractures within proximity of VG. Lower contact of unit is sharp at 76 degrees to ca.																			
362.20	376.54	**ARGILLITE** VG @ 365.0m (one cluster~3mm by ~1.5mm wide). (CLOSE-UP photos available). Dark charcoal grey to black bedded aphanitic mudstones. Beds vary in width between 4mm and 3.2 cm wide. Local crenulations. Cleavage at 83 degrees to ca, Bedding is variable at 45 to 68 degrees to ca. Downhole of 363.19m, increased abundance in ptgymatic and narrow white to pale grey quartz-carbonate veinlets commonly at 39-43 degrees to ca. Generally 1-2 cm wide and barren. Bedding at ~366-375m , varies between 83 and 87 degrees to ca, with cleavage oriented at 56-68 degrees to ca; graded bedding suggests fining downhole; local crenulations. ~368.9m: local s-folds. Local trace fine- to medium-grained grained chalcopyrite and fine-grained arsenopyrite at ~366.4 and ~366.7m, respectively. Chalcopyrite observed in grey quartz-carbonate ~1cm wide veinlet oriented at 55 degrees to ca. Downhole of 363.24m, pyrite content suddenly increases to ~5-6% very fine- to fine-grained subhedral disseminations scattered throughout bedding. Significantly more siliceous host rock and downhole of ~364.70m, bedding not as clearly discernable. Trace fine-grained acicular arsenopyrite at 365.4m within altered host rock matrix.	ARG	-	-	2-3	-	043	362.20	363.24	1.04	0.5	tr			7.750						
			ARG	-	-	3-4	-	044	363.24	364.10	0.86	5-6	-			1.160						
			ARG	-	-	3-4	-	045	364.10	364.70	0.60	5-6	-			1.820						
			ARG	-	-	6-8	-	046	364.70	365.20	0.50	5-6	VG			5.730						
			BLANK	N/A	N/A	N/A	N/A	047	365.20	365.20	0.00	N/A	N/A			0.006						
			ARG	-	-	2-3	-	048	365.20	366.06	0.86	5-6	tr-.5			2.610						
			ARG	-	-	3-4	-	049	366.06	367.10	1.04	tr-0.5	tr			0.128						
			ARG	-	-	1-2	-	050	367.10	368.10	1.00	tr-0.5	-			0.007						
			ARG	w	w-m	8-10	-	051	372.46	373.14	0.68	1-2	-			0.395						
			ARG	-	-	1-2	-	052	373.14	373.96	0.82	0.5-1	-			0.133						
			ARG	-	-	2-3	-	053	373.96	374.94	0.98	1-2	-			0.161						
			ARG	-	-	5-8	-	054	374.94	375.52	0.58	3-4	-			0.484						
			ARG	-	-	4-5	-	055	375.52	375.84	0.32	1-2	-			0.121						
			ALTD UM	-	-	1-2	-	056	375.84	376.54	0.70	0.5	-			0.022						

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METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		VG is hosted within white quartz-carbonate veinlet oriented at 38 degrees to ca and ~2.5cm wide. VG is within ~1-2mm of veinlet contact and 3mm above a barren healed fracture that crosscuts the veinlet at 23 degrees to ca. Nearest pyrite grain is medium-grained subhedral cubic isolated grain about 8mm away from VG, floating within white quartz-carbonate. Later white carbonate barren stringers up to ~2mm wide crosscut the veinlet hosting VG at 40 degrees to ca. Host rock of VG-bearing veinlet is very strongly and pervasively mineralized with fine-grained pyrite and (acicular) arsenopyrite. There seems to be a very weakly defined lineation of the acicular arsenopyrite locally at ~50-60 degrees to ca. Host rock is medium buff-brown colour and can be scratched with the scribe. The 38 deg veinlets crosscut the host rock/mineral fabric. Missing ~6 inches of core? @ 373.96m? Also, core does not lock well and does not seem to fit anywhere else in adjacent boxes (@ 375.2 - 375.32m). For this reason, there is reduced confidence in sample 054 (note: all core was locked together for boxes 73-84, inclusive). 372.46 - 373.14m: Altered and silicified sediments yield yellowish beige colour due to moderate-strong albite-silica-carbonate alteration. Pervasive ~4-6% blebby clear to pale grey quartz-carbonate sigmoidal veinlets feature common dark green chlorite clots, especially along their contacts. Veinlets oriented at 23 degrees to ca feature trace fine- to medium-grained disseminated pyrite. ~1-2% fine-grained pyrite disseminations occur intermittently scattered throughout altered host rock matrix. 374.94 - 375.84m: Intermediate Dyke - Mauve hued grey massive dyke with pervasive very fine- to fine-grained disseminated subhedral to euhedral pyrite																				

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METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

scattered throughout the matrix. Very siliceous and hard when scratched with scribe. Local low-angle extensional white quartz-carbonate veining at ~375.3m features local minor angular brecciation (fragments are mauve-hued intermediate dyke) and a white veinlet at 8 degrees to ca contains mulitple small vugs. Veining generally barren to nil - sulfides mainly in matrix of host rock.

- Black laminated mudstone with very fine-grained pyrite stringers oriented at ~83 degrees occur frequently between 375.36 and 375.52m. Slickenlines observed along joint plane at 375.52m and seems very graphitic. Slickenlines appear approximately oriented so parallel to long axis of core.

375.84 - 376.54m: Altered Mafic Conglomerate

- medium olive green colour due to chloritization
- trace medium- to coarse-grained amorphous blebs of pyrite
- Can clearly discern apexes and termination points of clasts; clasts show stretching ratio of 8mm by 5.8cm.
- Moderate fabric @ 70 degrees to ca
- Sharp upper and lower contacts @ 47 and 63 degrees to ca, respectively.
-~1-2% blebby grey quartz-carbonate veinlets <1-2 cm wide sub-parallel to host rock fabric have a faint blue undertone in colour and associated with bearing medium- to coarse-grained euhedral cubic pyrite grains.

Sharp lower contact @ 63 degrees to ca.

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
376.54	391.08	**ULTRAMAFIC** Dark greenish grey ribboned with wispy pale grey to white carbonate veining. Variably serpentine- and talc-altered as indicated by local blackish colouration/soapy feel, and soft when scratched (cannot scratch with fingernail through, until very slightly with a fingernail downhole of ~388m). Trace to nil sulfides (occurs locally as medium- to coarse-grained amorphous blebs, and locally as fine- to medium-grained subhedral isolated grains scattered through matrix). Non-magnetic. Intermittent brecciation. Weakly defined fabric at 58 degrees to ca. 382.36 - 383.50m: Intermediate Dyke - Dark greenish grey upper chill margin grades into pale mauve-hued grey massive dyke, featuring pervasive minor very fine- to fine-grained disseminated subhedral to euhedral cubic pyrite scattered throughout the matrix with interstitial dark green chlorite. - (No sulfides observed within chill margin). Soft when scratched with scribe whereas rest of dyke is very siliceous and hard when scratched. - local trace fine- to medium-grained blebs of chalcopyrite and pyrite hosted within pale grey quartz-carbonate veinlet ~1cm wide and oriented at 28 degrees to ca. - Sharp upper and lower contacts @ 48 and 45 degrees to ca, respectively. 385.65 - 387.33m: Intermediate Dyke - Greyish green massive dyke lacks any visible sulfides. In matrix, can locally discern medium- to coarse-grained equant but blebby clear/light grey quartz eyes. - ~3-4% blebby amorphous white quartz-carbonate veining/blebs (barren) associated with dark green chlorite clots. Veinlets commonly ~1cm wide and oriented at 32-40 degrees	UM	-	-	0.5	-	057	376.54	377.50	0.96	tr	-			0.014						
			INT DYKE	-	-	2-3	-	058	382.36	383.50	1.14	tr	-			0.053						
			STD	N/A	N/A	N/A	N/A	059	383.50	383.50	0.00	N/A	N/A			9.490						

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		and at 25 degrees to ca. Odd clear veinlet at 52 degrees to ca - seems to crosscut the 25 deg veinlet locally. - Non-magnetic. Can scratch with scribe. Local massive dark blackish green patches at 389.42 - 389.67m (upper and lower contacts @ 70 & 61 degrees to ca, respectively) and 389.74 - 389.95m (upper and lower contacts @ 40 & 58 degrees to ca, respectively). Both are non-magnetic. Both are soft when scratched with scribe. Likely patches of strong chloritization. Sharp lower contact @ 77 degrees to ca.																			
391.08	399.73	**MINERALIZED INTERMEDIATE DYKE** Mauve-hued grey (to locally caramel-brown-hued) massive dyke featuring ~3-4% white quartz-carbonate veinlets ~5mm wide and variably oriented (these veinlets feature localized bleached, or lighter mauve-hued, alteration haloes). Most common veinlet orientations appear to be at 30-35 degrees to ca (seemingly most frequent), 17-20 degrees, and 60-63 degrees to ca. Locally, a 30 deg veinlet truncates a 60 deg veinlet. Most veinlets regardless of orientation, are associated with small clots of dark green chlorite and appear to be barren. Locally, can discern faintly defined fabric of unit @ 61-70 degrees to ca (@ ~393.0-393.83m). Up to ~5-6% fine-grained subhedral to euhedral cubic pyrite disseminated throughout host rock matrix. Local trace medium-grained bleb of chalcopyrite observed at ~393.50m within a ~1 cm wide white quartz-carbonate veinlet oriented at 80 degrees to ca. Local trace very fine-grained acicular arsenopyrite observed within siliceous matrix, closely associated with very	INT DYK	w	w	3-4	-	060	391.08	391.96	0.88	1-2	-			0.029					
			BLANK	N/A	N/A	N/A	N/A	061	391.96	391.96	0.00	N/A	N/A			0.002					
			DYKE	-	-	1-2	-	062	391.96	392.92	0.96	tr-0.5	tr			0.006					
			INT DYK	w	w	2-3	-	063	392.92	393.83	0.91	4-5	-			0.290					
			INT DYK	w	w	3-4	-	064	393.83	394.79	0.96	5-6	-			0.514					
			INT DYK	-	w	4-5	-	065	394.79	395.77	0.98	6-7	tr			1.280					
			MAF CONG	-	-	4-5	-	066	395.77	396.05	0.28	tr	-			0.111					
			INT DYK	-	w	3-4	-	067	396.05	397.00	0.95	2-3	-			0.277					
			INT DYK	w-m	w-m	1-2	-	068	397.00	397.86	0.86	1-2	-			0.096					
			INT DYK	m-s	m-s	5-7	-	069	397.86	398.70	0.84	3-4	-			0.371					
			MAF CONG	-	-	2-3	-	070	398.70	399.35	0.65	tr	-			0.164					
			INT DYK	m	m-s	4-5	-	071	399.35	399.73	0.38	4-5	-			3.790					

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

fine-grained pyrite, (i.e., at ~393.0m). Local diffusive pyrite band @ 395.60m, composed of very fine-grained pyrite, gently undulates along an orientation of ~33 degrees to ca and is crosscut by a ~3mm wide white quartz-carbonate stringer at 30 degrees (contains clots of dark green chlorite and is barren).

Fe carbonate and silicification intensity increases at 397.86 - 398.70m (more caramel orange in colour and glassy feel to core/harder when scratched with scribe, compared to rest of unit). Likewise, local increase in carbonate alteration at 399.35 - 399.73m yields a similar appearance, albeit less intense, comparatively.

391.96 - 392.92m: mediun greyish green massive dyke. Very similar to @ 385.65-387.33m. Can scratch with scribe, but relatively hard. Disseminated very fine- to fine-grained pyrite and trace acicular arsenopyrite scattered throughout dark grey blebby quartz blebs/discontinuous veining (locally oriented at ~55 degrees to ca and ~5mm wide). Non-magnetic. Sharp upper and lower contacts @ 33 and 72 degrees to ca, respectively.

395.77 - 396.05m: Mafic Conglomerate - similar to 398.7-399.35m, but lacking a well-defined fabric. Very trace fine-grained euhedral pyrite disseminations. Non-magnetic. Soft when scratched with scribe. Sharp upper and lower contacts @ 50 and 80 degrees to ca, respectively.

398.70 - 399.35m: Mafic Conglomerate
- dark olive green in colour.
- moderate fabric at 55 degrees to ca
- ~2-3% blebby blue-hued grey quartz-carbonate blebs/veinlets up to ~5mm and generally parallel to fabric of host rock.
- Minor fine- to medium-grained euhedral to subhedral pyrite

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		disseminations scattered throughout matrix, mostly concentrated near lower contact. - Sharp lower contact @ 68 degrees to ca. Core is broken up at upper contact. - Non-magnetic. Soft when scratched with scribe. Sharp lower contact @ 63 degrees to ca.																			
399.73	414.00	**ULTRAMAFIC** Dark greenish grey ribboned with anastomosing and planar white carbonate veining. Variably serpentine- and talc-altered as indicated by local blackish colouration/soapy feel, and very soft when scratched (can scratch with fingernail). Seems softer and has stronger soapy feel compared to ultramafics previously intersected in hole. Intermittent brecciation Trace to nil sulfides. Non-magnetic. Local slickenlines observed in broken up core interval at ~401.7m. 400.0 - 400.16m: Felsite-like Dyke - Pale grey highly siliceous dyke that has heterogeneous appearance due to variation in colour (seems to darken towards lower contact) and features several healed fractures throughout and intermittent very weak pyrite and pyrrhotite fine-grained disseminations scattered throughout matrix. - Sharp upper and lower contacts @ 60 and 57 degrees to ca, respectively. - Minor fine-grained subhedral pyrite and lesser pale brassy pyrrhotite fine-grained blebs occur throughout siliceous matrix of host rock and closely proximal to mm-wide white carbonate-infilled fractures, oriented at 26 degrees to ca, as well as to healed fractures at 30 degrees to ca. Local dark green chlorite mm-wide seams flank healed fractures oriented at 35 degrees and include trace to nil (emphasis on the nil) fine-grained	UM	-	-	2-3	-	072	399.73	399.95	0.22	-	-			0.069						
			FEL DYK	w	m-s	1-2	-	073	399.95	400.16	0.21	0.5-1	-			0.511						
			UM	-	-	-	-	074	400.16	401.16	1.00	-	-			0.014						

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		euhedral cubic pyrite disseminations. EOH @ 414.0m.																			

Printed: August 4, 2022

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	HR1008			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Drilled an SGH anomaly east of the powerline.. Used DeviShot as downhole survey tool. One round barrel used.
HOLE NO.:	OG22-046	LENGTH (m):	213.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362860.000	EASTING:	473000.000	COLLAR SURVEY BY: DeviCo Rig Aligner	
SECTION:	TZ_1200W	ZONE:	Thomas Ogden	ELEVATION (m):	300.000	DRILLING COMPANY: DrillCo	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	0.0 / -50.0	SURVEYED:	359.900 / -50.029	DATE LOGGED: Apr. 05, 2022 TO Apr. 06, 2022	Core Storage: Polk Farm
HOLE STARTED:	March 02, 2022	HOLE FINISHED:	March 05, 2022	MAG:	10.75º w	LOGGED BY: S.Huebert	Page 1 of 20

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n Index Carb	Alb	%Qtz	Ser	SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	78.00	**CASING** DeviShot Data: Depth (m) Az (deg) Az (deg) Dip (deg) Northing (m) In/Out (Raw) (Corrected) 96.0m 12.66 2.5 -40.44 0.00 IN 147.0m 14.76 4.6 -41.06 0.00 IN 213.0m 11.53 1.37 -40.79 0.00 IN EOH QA/QC Samples: OG22-046-019: BLANK OG22-046-029: STD (CDN-CM-2) OG22-046-039: BLANK OG22-046-059: STD (CDN-GS-9D) OG22-046-061: BLANK																			
78.00	86.57	**MAFIC CONGLOMERATE** Dark to medium green subrounded clasts (~70-75%) with a stretching ratio of ~5:1 (average dimensions). Clasts are variable in size: 3.5cm by 9.2cm, to 3mm to ~7mm. Matrix-supported breccia with interstitial pale cream-hued/grey carbonate and fine-grained subangular dark grey quartz grains (~20%) throughout the carbonate; fine-grained cream-hued																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-046

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		equant subhedral feldspar? grains (~5-10%) also common. Trace to locally ~0.5% fine-grained subhedral pyrite disseminations, or rare discontinuous stringer parallel to fabric at 70 degrees to ca (hosted within carbonate-quartz matrix). Unit does not have any significant veining, but instead features intermittent (<1-2%) mauve-hued smokey grey sub-rounded quartz pods/clasts (vary in dimension between ~5.2cm by ~1.8cm, to ~1.5cm by 4mm) and at their centres, host trace very fine-grained acicular to prismatic arsenopyrite grains. These quartz pods/clasts are typically elongate so parallel to general fabric of unit. Trace to nil healed fractures. Local late mm-wide white carbonate fractures crosscut fabric, including a smokey quartz pod, at 7 degrees to ca. Along the fracture, where it crosscuts the quartz pod, there appears to be trace very fine-grained arsenopyrite along the fracture, but only within the smokey quartz pod (not continuous along rest of extent of fracture that propagates from 86.05 to ~86.20m). Fabric is consistently oriented at 73-82 degrees to ca. Sharp lower contact @ 82 degrees to ca.																			
86.57	100.81	**CONGLOMERATE/WACKE** Medium grey very fine- to fine-grained matrix (variably resembles a wacke in some intervals). Wacke-like intervals are massive to very weakly defined in terms of fabric intensity and carry nil to trace pyrite disseminations. Local sigmoidal white barren quartz-carbonate veinlets in these sections are oriented at 3-5, 23, and 30-35 degrees to ca (<1 cm wide) (i.e., at ~96.5m).	CONG	-	w	2-3	tr F	001	88.34	89.40	1.06	tr-0.5	tr			0.002						
			CONG	-	w	0.5	-	002	89.40	89.80	0.40	tr	-			0.002						
			CONG	-	w	2-3	tr F	003	89.80	90.65	0.85	tr	-			0.002						
			CONG	-	w-m	0.5-1	tr F	004	90.65	91.32	0.67	tr	-			0.002						
			CONG	-	w-m	1-2	-	005	91.32	91.95	0.63	tr	-			0.002						
			CONG	-	-	4-5	-	006	91.95	92.87	0.92	0.5-1	-			0.005						
			CONG	-	-	1-2	-	007	92.87	93.84	0.97	0.5	trPo			0.005						
			CONG	-	w	4-5	-	008	97.66	98.20	0.54	0.5-1	-			0.002						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-046

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
			CONG	-	-	0.5-1	w Fuch	009	98.20	98.96	0.76	tr	-			0.010					
			CONG	w	m	0.5-1	w Fuch	010	98.96	100.04	1.08	tr-0.5	-			0.002					

Unit features localized bands of moderate pale yellow albitization proximal to narrow white quartz-carbonate veinlets up to ~1cm wide and oriented at 34, 59, 85 degrees to ca. Veinlets comprise ~2-3% of unit and are generally barren irrespective of orientation. The wider blebbier veinlets tend to crosscut the fabric. Fabric averages ~78-82 degrees to ca (weakly to intermittently moderately developed fabric intensity). Local weak fuchsite associated with ~1cm veinlets mentioned previously. Intermittent weak to nil fine- to medium-grained blebs of pyrite scattered throughout the matrix. Odd pale yellow albitized healed fracture crosscuts fabric at 13 degrees to ca. Local fine-grained pyrite band ~5mm wide oriented at 83 degrees to ca (@ ~89.32m).

Local rubble at 87m.

91.95 - 93.84m: Mafic Conglomerate
- resembles previous unit, except chloritic clasts take on darker green in colour and appears to feature an increased abundance in the smokey grey quartz pods (~5-7%) (which seem to be barren in this interval, with the exception of the largest one near the lower contact that contains both very fine- to fine-grained pyrite as well as fine-grained blebs of brassy pyrrhotite; the size of this quartz pod is 13cm by 2.8cm with tapered apexes; pyrite grains also occur locally tangentially to the pod). There appears to be an increased abundance in pyrite however. Pyrite occurs intermittently within siliceous felsic bands parallel to fabric at ~81-88 degrees to ca and vary in width between 4mm and ~1.5cm.
- Stretching ratio seems more exaggerated than in previous unit: ~8cm by ~9mm
- Sharp lower contact @ 88 degrees to ca (contact demarcated by reduction in size of clasts and abrupt end of their presence).

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-046

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		97.66 - 100.04m: resembles weak to moderate blonde conglomerate (adjacent intervals appear to be a wacke that does not feature any strong alteration/veining/mineralization). - Downhole of fault with minor pale greyish yellow clay-like gouge at 98.96m (oriented at 60 degrees to ca), the conglomerate appears to be moderatey albitized due to pale yellow colour and more strongly silicified. There is also an increase in the abundance of bright green fuchsite wisps and intermittent weak to trace fine- to medium-grained subhedral pyrite wisps/disseminated individual grains. Fabric in this interval is oriented at ~81 degrees to ca. Local dark blue-hued quartz lenses/veinlets up to ~4-5mm wide are oriented parallel to fabric at 82 degrees to ca and contain trace fine-grained pyrite. Coarser medium-grained pyrite blebs tend to "float" in altered matrix. Rubbly re-drilled section of core in last ~30 cm of unit. Sharp lower contact @ 82 degrees to ca.																			
100.81	141.04	**ARGILLITE** Black aphanitic mudstones interbedded with light to dark grey sandstones and sediments. Graded bedding suggests fining downhole. Beds vary in width between 1mm and 4.5 cm. Bedding varies in orientation between 63 and 88 degrees to ca (generally averages on the steeper side of the spectrum of core angles). Between ~129m and 141.04m, the bedding remains fairly consistent at 70 to 78 degrees to ca. In this interval, cleavage is locally discerned at 54 degrees to ca. Intermittent, regular medium- to coarse grained amorphous blebs of pyrite are commonly scattered throughout the bedding.	ARG	-	-	2-3	-	011	135.07	136.07	1.00	1	-			0.002					
			ARG	-	-	1-2	-	012	136.07	137.00	0.93	0.5-1	tr			0.002					
			ARG	-	-	0.5	-	013	137.00	138.00	1.00	0.5	tr			0.014					
			ARG	-	-	0.5	-	014	138.00	139.05	1.05	0.5	-			0.013					
			ARG	-	-	0.5-1	-	015	139.05	140.05	1.00	0.5-1	tr			0.030					
			ARG	-	-	2-3	-	016	140.05	141.04	0.99	0.5	tr			0.051					

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METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

Blebs as coarse as ~2.5cm by ~8mm wide. Trace very coarse-grained euhedral pyrite individual grains. Pyrite seems less amorphous/blebby locally downhole towards broken up interval near lower contact.

~3-4% blebby and wispy white carbonate-quartz veinlets both conform to, and crosscut bedding (generally barren). Local quartz-dominant veinlets feature boudinage (i.e., at ~124.6m; also barren).

Local pale cream-hued quartz-carbonate ~2-3mm wide stringer at 55 degrees to ca hosts trace medium-grained bleb of chalcopyrite (no other sulfides observed within same veinlet) (occurs within paler grey sandstone interval at 129.75-129.97m).

Downhole of ~134.07m, argillite becomes more silicified due to increasing proximity to structure below (note broken core interval/veinlets with brecciation), as well as slight increase in proportion of wider quartz-carbonate veinlets (up to ~5cm wide, barren; veinlet contacts @ ~20 and 48 degrees to ca, crosscutting bedding). Silicified argillite takes on very subtle blue-ish undertone and has glassy feel to the core/a lot harder when scratched with the scribe.

Local crenulations. Local weakly developed fold at ~116.3m; fabric flattens here to about 30 degrees to ca. Est. RQD ~70-75%. Local micro s-folds defined by white blebs of quartz-carbonate (barren).

Highly fractured/jointed interval due to structure @ 136.40 - 141.04m (est. RQD ~6%).

In broken up structure, there appears to be an increase in the abundance of very fine- to fine-grained disseminated subhedral

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

pyrite, as well as local very fine- to fine-grained prismatic to stubby arsenopyrite, and possible trace fine-grained brownish orange blebs of sphalerite, hosted within a 70 degrees to ca white ~2-3mm wide quartz-carbonate tension gash.

~139.65 - 141.04m: intermittent white carbonate blebby veinlets, oriented at ~30 degrees to ca crosscutting bedding (bedding is at 10 degrees to ca), host subangular breccia fragments (relatively unaltered argillite comprise the fragments). Local small clots of mossy green chlorite occur within the carbonate (interstitial to the breccia fragments). Breccia fragments as large as ~3.5cm by ~1.5cm. Common fragment size of ~7mm by ~5mm wide. Pyrite mainly occurs as fine disseminations throughout argillite (not within the breccia fragments). Also common to see intermittent mm-wide pyrite wisps/discontinuous stringers semi-conformable to bedding orientation at ~65-70 degrees to ca. Likewise, arsenopyrite mainly occurs as fine disseminations throughout the bedding, less commonly are ~4-5mm long wisps oriented parallel to fabric at 83 degrees to ca (i.e., at 137.1m). Intermittent white carbonate hairline infilled fractures occur throughout interval, oriented at 10-20 degrees to ca. Local micro s-folds defined by pale grey-white quartz-carbonate blebs at ~140.95m (plane of motion at ~74 degrees to ca). Also, near this depth, is a mm-wide pyrite stringer that features a ptygmatic section. Overall, pyrite stringer orientation is at ~78 degrees to ca, conformable to bedding. At ~139.9m, graphite is observed along some joint planes

Sharp (but slightly irregular) lower contact @ 70 degrees to ca.

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METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
141.04	142.24	**INTERMEDIATE DYKE** Pale to medium mauve-hued grey intermediate dyke that is pervasively mineralized with very fine- to fine-grained pyrite disseminations. Also features local interval of broken up argillite (i.e., at 141.27 - ~141.57m), including local whtie carbonate veinlets with dark grey/black argillite breccia fragments contained therein. Intermediate dyke is massive, but a weak fabric is defined locally by blackish green chlorite mm-wide seams/selavages/stringers oriented at 58-61 degrees to ca. Locally, some of these chlorite stringers contain ~5-7mm wide wisps of pyrite partially along their continuity. Local minor fuchsite wisps oriented at 61 degrees to ca, and often have abundant fine-grained stubby arsenopyrite and/or fine-grained subhedral to euhedral pyrite disseminations all along/flanking the fuchsite wisp's contacts. It seems that very fine- to fine-grained stubby (and subordinate prismatic to acicular) arsenopyrite scattered throughout the siliceous matrix is the dominant sulfide mineral/texture. Very fine- to fine-grained pyrite also commonly occurs as scattered grains throughout the matrix. Arsenopyrite also occurs, less commonly, as discrete discontinuous ~3-6mm wide wisps at 70 degrees to ca, conformable to locally defined fabric. Local slickenlines observed at 141.20m, along a planar joint surface which appears fairly polished and graphitic. Local dark grey silty gouge observed a further ~7-8 cm downhole of the slickenlines. ~0.5-1% white barren carbonate hairline infilled fractures occur commonly at low angles (i.e,. at 5-10 degrees to ca, locally as steep as ~22 degrees to ca) , crosscutting other features	INT DYK	-	w	0.5-1	-	017	141.04	141.57	0.53	2-3	tr			0.513					
			INT DYK	-	w	0.5-1	w Fuch	018	141.57	142.24	0.67	1	1-2			0.002					
			BLANK	N/A	N/A	N/A	N/A	019	142.24	142.24	0.00	N/A	N/A			0.344					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		throughout unit. Towards lower contact, intermediate dyke appears less homogeneous and features diffusive patchy pale yellow colouration due to increasing albitization/silicification. Fabric near lower contact at ~73 degrees to ca. Sharp lower contact @ 70 degrees to ca.																			
142.24	147.14	**FELSITE** Strongly altered zone (albite-, silicification, Fe carbonate, and less intense, but common as narrow discrete wisps disseminated intermittent, are bright green fuchsite wisps). Unit varies in colouration due to varying alteration type and respective intensity variations. Regardless of alteration variations, there is pervasive very fine- to fine-grained disseminated stubby (and lesser acicular) arsenopyrite and very fine- to fine-grained disseminated subhedral to euhedral pyrite disseminations fairly homogeneously scattered throughout the altered matrix. 142.24 - 143.34m: pale yellow colour due to moderate-strong albite and silicification. ~1-3mm wide clear quartz-carbonate stringers featuring abundant dark green chlorite nearly continuous throughout their extents are consistently throughout this interval, and are oriented at 34-35 degrees to ca and locally feature minor fine-grained subhedral pyrite disseminations within the chlorite. Minor blebby white/clear quartz-carbonate veinlets (not continuous veinlets) are up to ~5mm wide and oriented at 21, 53, and 83 degrees to ca (all are barren). The 53 deg veinlet is crosscut by a mineralized chlorite veinlet at 34 degrees to ca. The 21 degree veinlet crosscuts fuchsite wisps (parallel to fabric) at 72 degrees to ca. Fabric weakly defined at	FEL	w-m	s	0.5	tr F	020	142.24	143.34	1.10	1-2	2-3			0.688						
			FEL	w-m	s	0.5	tr F	021	143.34	143.64	0.30	1-2	2-3			0.168						
			FEL	w-m	m-s	0.5	-	022	143.64	143.88	0.24	0.5-1	1			0.215						
			FEL	w-m	very s	0.5-1	w F	023	143.88	144.52	0.64	1-2	2			0.096						
			FEL	w-m	m-s	3-4	-	024	144.52	145.33	0.81	1-2	1-2			0.213						
			FEL	m	m-s	1-2	-	025	145.33	146.06	0.73	2-3	1-2			0.234						
			FEL	w-m	very s	0.5	w+w F	026	146.06	146.63	0.57	0.5-1	1-2			0.225						
			FEL	m	s	2-3	tr F	027	146.63	147.14	0.51	1	0.5-1			0.220						

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

72-77 degrees to ca, overall in this interval. Alteration intensity sublty grades into the next sub-unit.

143.34 - 143.66m: slightly deeper yellow colour due to stronger albite alteration. Same as previous aside from slightly stronger alteration. Local grey quartz carbonate blebby ~3-4mm wide veinlet at 40 degrees to ca crosscuts green chlorite crenulated discontinuous 2-3mm wide stringer (at 10 degrees to ca) - both stringers are barren. Discontinuous mm-wide pyrite wisp at 40 degrees to ca also crosscuts the chlorite stringer. Sharp lower contact @ 69 degrees to ca.

143.66 - 143.88m: subtle mauve-hued pale grey (still faintly mottled with pale yellow). The stubby and acicular arsenopyrite fine disseminations seem to preferentially concentrate in the blebby pale mauve-hued patches. Sharp lower contact @ 50 degrees to ca.

143.88 - 144.22m: bright straw yellow
Arsenopyrite occurs commonly as ~3-4mm long mm-wide wisps composed of stubby fine-grained equant grains (no preferential alignment - conform to neighbouring/tangential fuchsite/sericite wisps and along odd bleb of grey quartz-carbonate). Fabric at ~72 degrees to ca.
Sharp lower contact @ 49 degrees to ca.

144.22 - 144.34m: same as at 143.66-143.88m.
Sharp lower contact @ 42 degrees to ca.

144.34 - 144.52m: same as at 143.88-144.22m.
Sharp lower contact @ 50 degrees to ca. Local discontinuous hairline chlorite-quartz-infilled fractures oriented at 48-50 degrees to ca (barren).

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		144.52 - 146.06m: same as at 143.66-143.88m, but seems to increase beige-ish buff hues due to increased Fe carbonate content. Also, notable, is this interval seems to have more pyrite than arsenopyrite (the reverse seems to be the case for the upper part of this unit, up to this point). - trace medium-grained bleb of molybdenite hosted within 3-4mm wide clear/white quartz-carbonate veinlet oriented at 20 degrees to ca (only other sulfide is trace very fine-grained pyrite, and <0.25mm wide seam of dark green chlorite partially along veinlet contacts). Chlorite-infilled healed fractures oriented at 5, 30, and 88 degrees to ca (the 5 degree fracture parallels a discontinuous sigmoidal white quartz-carbonate veinlet/lense). The 5 deg veinlet crosscuts the 30 and 88 deg chlorite infilled fractures. Local tangential fine-grained pyrite along the 30 and 88 deg chlorite fractures. No sulfides observed with 5 vein or chlorite fracture. Sharp lower contact @ 55 degrees to ca. 146.06 - 147.14m: same as at 143.88-144.22m. Fabric at 67 degrees to ca. Fuchsite wisps with fine-grained pyrite oriented at 64 degrees to ca. Local smokey dark grey amorphous quartz blebs near lower contact. Local white amorphous quartz-carbonate with altered host rock fragments ~approx. contacts @ 40 degrees to ca. Healed fractures (barren) at 8, 30, and 77 degrees to ca. Relatively sharp lower contact @ 61 degrees to ca.																			

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METERAGE		DESCRIPTION
FROM	TO	
147.14	150.00	**BLONDE FUCHSITE CONGLOMERATE** Unit takes on pale yellowish hued cream colour due to pervasive moderate-strong albitization/silicification. Pervasive ~30-35% fine-grained sub-rounded clear/translucent equant quartz porphyroblasts throughout matrix. Pervasive ~15% bright green attenuated fuchsite clasts define fabric oriented at 67-71 degrees to ca (slightly steepens downhole). Felsic cream-coloured siliceous clasts show less stretching than the fuchsite clasts; felsic clasts show stretching ratio ~mid-unit of 5cm long by 1cm wide (by comparison, fuchsite clasts show a stretching ratio of 5cm long by 5mm wide (note: some fuchsite clasts are stretched so intensely that they appear as continuous bands, lacking any tapered ends/terminal points). Healed fractures at 42, 63, ~3-5 degrees to ca (barren). Near ~147.8m, common to see elongate pyrite blebs as wide as ~2.5cm long by 2mm wide, parallel to fabric. 147.2 - 147.42m: dark grey mudstone? beds up to 5mm wide, feature fine-grained pyrite+/- stubby arsenopyrite disseminations, and are consistently oriented at 58-60 degrees to ca. Healed white carbonate-infilled fracture at 20 degrees to ca crosscuts fabric/dark grey bands. Downhole of ~148.8m, observed more increased silicification and brittle deformation textures. Also introduced, are narrow dark blue-hued smokey grey quartz-carbonate veinlets <1-3mm wide oriented at 45, 12 degrees to ca (as well discontinuous, discrete tension gashes, also blue-dark grey quartz, at 9, 28, and 50 degrees to ca. Healed fracture at 22 degrees to ca crosscuts tension gashes oriented at 28 degrees to ca. The 45 degree veinlet locally crosscuts 2-3mm wide pyrite bands oriented at 65 degrees to ca (parallel to fabric). Local 1cm wide bright green fuchsite band ay 58 degrees to ca. Blue 45 deg veinlets barren aside from odd fine-grained pyrite grain

ROCK	Alt'n Index				SAMPLES						ASSAYS							
CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
BL CONG	w-m	s	0.5	w F	028	147.14	147.46	0.32	0.5-1	0.5			0.455					
STD	N/A	N/A	N/A	N/A	029	147.46	147.46	0.00	N/A	N/A			1.470					
BL CONG	w-m	s	4-5	-	030	147.46	147.80	0.34	20-25	0.5			0.663					
BL CONG	w-m	s	0.5-1	w F	031	147.80	148.34	0.54	1-2	tr-.5			0.234					
BL CONG	w	s	0.5-1	w-m F	032	148.34	149.19	0.85	0.5-1	tr-.5			0.180					
BL CONG	w	s	0.5	w F	033	149.19	150.00	0.81	0.5-1	tr			0.724					

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

tangential to its contacts.

At 149.19m - 150m, conglomerate appears slightly less altered and finer grained. Stretching ratio of felsic clasts @ 2cm long by 5mm wide, and fuchsite no longer occurs as clasts, but as wisps/threads pervasively throughout, often a mm or two wide. Local pyrite stringer with multiple pyrite offshoots, oriented at 30 degrees to ca. Trace fine-grained stubby arsenopyrite occurs within matrix locally. White carbonate hairline-infilled healed fractures crosscut fabric at 12 and 22 degrees to ca. Blue-hued grey quartz veinlets ~3-4mm wide and oriented at 71 deg to ca and feature trace fine-grained pyrite and trace fuchsite. Healed fractures at 18 and 59 degrees to ca.

147.59 - 147.70m: semi-massive pyrite vein
- composed of ~80-85% very fine- to medium-grained subhedral to euhedral pyrite disseminations. Along contacts, pyrite texture changes into disseminations of individual scattered grains and stringers oriented at 63 and 70 degrees to ca. Locally, where is a minor space/gap in continuous pyrite, a couple of clear/translucent quartz veinlets <1mm wide can be discerned: 37 and 78 degrees to ca. Matrix of host rock is still blonde conglomerate with fine-grained fuchsite wisps.

Sharp lower contact @ ~85 degrees to ca. Note: increasingly silicified towards lower contact (conglomerate texture becomes slightly ghosted and takes on increasing dark grey colour).

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-046

METERAGE		DESCRIPTION
FROM	TO	
150.00	160.39	**ARGILLITE INTERBEDDED WITH WACKE**

Interbedded interval featuring dominantly black/dark grey aphanitic mudstones / lighter grey sandstones/sediments, as well as subordinate medium grey massive/fine-grained wackes. Odd wacke-dominant interval features fracture/vein-controlled pale yellow moderate albitization/silicification.

The following details the variable sub-intervals of this unit:

150.0 - 150.38m: First ~38cm of unit near upper contact appears as mixing with argillite due to odd black mudstone bed, up to 2 cm wide, and oriented at 81 to 71 degrees to ca. Trace fine-grained subhedral pyrite - locally more abundant within black mudstone beds. Can lightly scratch with scribe.
- lower contact @ 71 degrees to ca.

150.38 - 151.20m: massive wacke
- medium grey, very fine- to fine-grained. Massive/no well-preserved fabric. Moderately silicified. Can lightly scratch with scribe.
- first ~half of interval feature local subangular fine-grained dark green chloritized blebs that weakly define a fabric at 62 degrees to ca.
- Overall, minor fine-grained subhedral pyrite disseminations; local alignment of slightly elongate medium-grrained pyrite blebs oriented at 64 degrees to ca. Local blebby/granular white quartz-carbonate veinlets up to 2.5 cm wide (featuring dark green chlorite interstitial to quartz grains); veinlets oriented at 71 degrees to ca (trace fine-grained pyrite) and 17 degrees to ca (barren).
- ~2-3% wispy mm-wide white carbonate stringers (barren) variably oriented at 57, 23, and 79-80 degrees to ca.
- Irregular lower contact of interval at ~73 degrees to ca.

ROCK	Alt'n Index				SAMPLES						ASSAYS							
CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
ARG	-	-	0.5	-	034	150.00	150.61	0.61	0.5	tr-.5			0.113					
ARG	-	-	0.5-1	-	035	150.61	151.20	0.59	0.5	-			0.006					
ARG	w	w-m	6-8	-	036	151.20	151.95	0.75	tr-0.5	-			0.024					
ARG	-	-	0.5-1	-	037	151.95	153.00	1.05	0.5-1	tr			0.022					
ARG	-	-	1-2	-	038	153.00	154.00	1.00	tr-0.5	tr			0.014					
BLANK	N/A	N/A	N/A	N/A	039	154.00	154.00	0.00	N/A	N/A			0.002					
ARG	-	-	3-4	-	040	154.00	154.60	0.60	0.5-1	tr			0.015					
ARG	-	-	5-6	-	041	154.60	155.40	0.80	0.5	trSph			0.016					
ARG	-	-	8-10	-	042	155.40	156.30	0.90	0.5	-			0.029					
ARG	-	-	1-2	-	043	156.30	156.77	0.47	0.5-1	0.5			0.020					
ARG	-	-	1-2	-	044	156.77	157.63	0.86	5-6	-			0.030					
ARG	-	-	0.5-1	-	045	157.63	158.25	0.62	4-5	-			0.044					
ARG	-	-	2-3	-	046	158.25	158.83	0.58	3-4	-			0.018					
ARG	-	-	2-3	-	047	158.83	159.40	0.57	5-6	-			0.019					
ARG	-	-	2-3	-	048	159.40	160.39	0.99	8-10	-			0.026					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-046

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		151.20 - 151.95m: fracture/vein-controlled moderate albite-altered wacke - Slightly paler grey in colour compared to other wackes due to slight bleaching. ~3-4% light grey/white (slightly blue undertones) blebby quartz-carbonate veinlets oriented at 38, 59, and 76-81 degrees to ca, locally crosscut by 7 deg fracture (locally bleached within ~1-2mm of fracture). Trace fine-grained pyrite observed within veinlets of all orientations. All veinlets <2cm wide. Trace fine-grained stubby arsenopyrite observed within blue-ish grey amorphous quartz-carbonate bleb (still has pale yellow alteration halo). Sharp lower contact at 75 degrees to ca. Overall, minor sulfides (note: fine-grained subhedral pyrite also occurs as scattered grains throughout the matrix in addition to the veinlets as discussed above). 151.95 - 152.10m: graphitic black mudstone-dominant argillite with pale grey carbonate blebs and pervasive ~1% fine-grained pyrite disseminations. Bedding at 60 degrees to ca (parallels lower contact angle). 152.10 - 155.40m: weak to nil mineralized argillite interbedded with medium-light grey wacke (argillite sections not as mudstone-dominant as further downhole of ~156.77m). Overall, trace to weak fine- to medium-grained pyrite blebs/subhedral disseminations. Bedding oriented at 75-73 degrees to ca. ~3-4% wispy pale grey to white carbonate-quartz stringers/veinlets, up to 4mm wide, at various orientations (10, 20, and 78 degrees to ca seem to be most common - all are barren). The 10 deg stringer locally crosscuts the 78 degree stringer. The 20 deg stringer locally crosscuts the 78 degree stringer as well. Downhole of ~155m, veinlets/stringers become more deformed/almost ptygmatic in form and contain common fine-grained pyrite disseminations (also present as scattered grains throughout dark chloritic matrix).																				

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-046

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

155.40 - 155.52m: lighter grey moderately foliated wacke
- lighter grey in colour and oriented at 50 degrees to ca
- trace fine-grained subhedral pyrite occur locally in matrix.
- ~1-2% wispy white to light grey carbonate sigmoidal stringers that occur at low angles and undulate along long axis of core (barren - local tangential single fine-grained pyrite along veinlet contact).

155.52 - 156.32m: moderately chloritized sediments? Due to patchy and pervasive alteration, difficult to discern texture. Possibly argillite as faint bedding discernable in last ~10 cm of interval. Relatively soft when scratched with scribe. Sharp lower contact @ 60 degrees to ca. Local slickenlines at 155.70m (planar joint, well-polished with platy/surficial pyrite).

156.32 - 156.44m: Pyritic mudstone-dominant argillite
- Bedding at 70 degrees to ca with regular grey carbonate-quartz veinlets <5mm wide parallel to bedding. Wisps of pyrite also throughout bedding and are parallel to it. Local mm-wide discontinuous white carbonate tension gashes oriented at 38 degrees to ca, locally constrain extent of pyrite within veinlet that is crosscut by these tension gashes.
- Sharp lower contact @ 68 degrees to ca. (mm-wide pyrite stringer flanks lower contact / is parallel to it).

156.44 - 156.77m: very weakly foliated wacke
- Very weak fabric at 40 degrees to ca.
- Medium grey, fine-grained
- ~2-3% white wispy carbonate-quartz stringers <2-3mm wide and oriented at 18, 28-32, and 78 degrees to ca. The 78 deg stringer crosscuts the 18 deg stringer.
- blackish small discrete chlorite clots (stretched with tapered ends) oriented at 61 degrees to ca which define the host rock

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-046

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

fabric.
- local 8mm wide band composed of very fine- to fine-grained pyrite disseminations is oriented at 55 degrees to ca, parallel to fabric.
- Near the pyrite band, is a 55 deg to ca stringer of pyrite ~1-2mm wide.
- trace acicular fine-grained arsenopyrite disseminated uniformly in first ~8 cm near upper contact. The acicular grains seem to preferentially be oriented at 68 degrees to ca.
- Sharp lower contact @ 63 degrees to ca.

Strongly pyritized black mudstone-dominant intervals (~5-6% medium-grained slightly elongated pyrite blebs) at:
- 156.77 - 157.63m
  - slickenlines at 156.80m are along planar joint surface (well-polished and features platy/surficial pyrite).
  - Bedding at 62 degrees to ca.
  - wispy ~4-5% white to light grey carbonate-quartz stringers/veinlets up to ~2-3mm wide at 15-20, 47-50, 65, and 88 degrees to ca. Generally barren - local trace fine-grained pyrite within 15-20 veinlet.
  - sharp lower contact @ 59 degrees to ca.

- 157.82 - 158.32m
  - medium grey massive weakly chloritized wacke at 157.63 - 157.83m. Sharp upper/lower contacts @ 59 and 60 degrees to ca, respectively. No sulfides. ~2-3% white wispy barren carbonate stringers <3-4mm wide at mainly 25-30 degrees to ca, among a couple of other random orientations.

Medium greyish green (barren) wackes at 158.32-158.42m (sharp upper/lower contacts @ 60/63 degrees to ca, respectively) & 158.69 - 158.83m (sharp upper/lower contacts @ 48/62 degrees to ca, respectively).

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-046

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		- 158.32 - 160.39m - local mm-wide pyrite stringers parallel to bedding at 52 degrees to ca. ~2-3% wispy light grey carbonate-quartz stringers (up to 1-2mm wide) crosscut bedding at 33 degrees to ca. Odd white opagque/transparent quartz veinlet ~6mm wide oriented at 55 degrees to ca crosscuts bedding and hosts trace fine-grained pyrite and contains a couple of small vugs. - interval becomes gradually bleached/less mineralized in last ~10 cm of unit. Sharp lower contact at 67 degrees to ca.																			
160.39	162.76	**SEDIMENTS & BASAL BRECCIA TRANSITION ZONE** Interval comprises heterogeneous intervals of dykes/below altered/sheared breccia (volcanic?) zone/argillite. Most of interval appears as yellowish beige-grey albitized basal breccia (fabric @ 75 degrees to ca). Trace fine-grained subhedral pyrite disseminations occur scattered throughout the matrix. ~2-3% white carbonate-quartz wispy stringers/veinlets <5mm and oriented at 63 degrees to ca, and many discontinuous wispy blebs occur at low angles relative to core (i.e., <10 degrees to ca). All are barren. In addition to the basal breccia, exist the following sub-units: 160.39 - 161.34m: Intermediate-Mafic Dyke - fine-grained, massive, greyish green colour - trace fine-grained subhedral pyrite disseminations occur scattered locally throughout the matrix. - non-magnetic - ~2-3% wispy white to pale grey carbonate-quartz veinlets	TRSN	-	-	2-3	-	049	160.39	161.34	0.95	-	-			0.006					
			TRSN	-	-	2-3	-	050	161.34	161.93	0.59	1-2	trSph			0.002					
			TRSN	-	-	1-2	-	051	161.93	162.76	0.83	1	-			0.016					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-046

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		<5mm wide oriented mainly at 38-40 degrees to ca (barren). - Sharp upper and lower contacts @ 67 and 63 degrees to ca, respectively. Near end of dyke, there is a 1-2mm wide grey quartz-carbonate veinlet that gently undulates at ~20 degrees to ca, crosscutting the host rock fabric (at 60 degrees to ca). This veinlet hosts pervasive fine- to medium-grained subhedral cubic pyrite disseminations and more abundant medium-grained blebs of rusty brownish red sphalerite throughout. The veinlet terminates 5mm into the dyke at ~161.3m. 161.93 - 162.76m: black to dark grey interbedded argillite (black aphanitic mudstones / paler grey sandstones) with minor fine-grained subhedral pyrite disseminations locally scattered throughout the bedding. Argillite slightly bleaches/lightens in colourd downhole. Bedding oriented at 50 degrees to ca. Beds vary in width between 2mm and 1 cm. ~1-2% wispy white carbonate-quartz stringers up to a couple of mm's at 40-50 and at 80-89 degrees to ca (all barren). Sharp lower contact @ 75 degrees to ca.																			
162.76	213.00	**ALTERED BRECCIA ZONE** Variably altered brecciated volcanic? zone. No evidence to suggest sediments/no quartz porphyroblasts observed, Local cream-coloured medium- to coarse-grained amygdules observed at ~202-203m (effervesce strongly with muriatic acid). Possible dark green chloritic pillow selavges? (cannot identify definitively). Local intermittent brecciation (flow-top textures?) Unit is highly variable in terms of texture and colour. Moderately bleached/albitized from upper contact to 169.0m (yields pale	ALTD BRX	w	m	1-2	-	052	162.76	163.37	0.61	tr	-			0.002						
			ALTD BRX	w	m	3-4	-	053	163.37	164.00	0.63	tr	-			0.002						
			ALTD BRX	w	m-s	1-2	-	054	164.00	165.00	1.00	tr	-			0.002						
			ALTD BRX	w	m-s	1-2	-	055	165.00	166.00	1.00	tr	-			0.002						
			ALTD BRX	-	w-m	2-3	-	056	166.00	167.00	1.00	-	-			0.002						
			ALTD BRX	-	w-m	2-3	-	057	167.00	168.00	1.00	-	-			0.002						
			ALTD BRX	-	w-m	0.5-1	-	058	168.00	169.00	1.00	-	-			0.002						
			STD	N/A	N/A	N/A	N/A	059	169.00	169.00	0.00	N/A	N/A			5.000						
			ALTD BRX	-	v.wk	2-3	-	060	169.00	169.90	0.90	tr	-			0.002						
			Blank	N/A	N/A	N/A	N/A	061	169.90	169.90	0.00	N/A	N/A			0.002						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-046

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		greenish-grey yellow colour). Overall, weakly chloritized.	ALTD BX	-	-	4-5	-	062	169.90	171.00	1.10	tr	-			0.037					
			ALTD BX	-	v.wk	v.wk	-	063	171.00	172.00	1.00	tr	-			0.002					
		Trace to nil fine- to medium-grained pyrite, arsenopyrite, and pyrrhotite disseminations which occur in local weak concentrations (in matrix of host rock). Trace fine-grained chalcopyrite. Local pyrrhotite narrow bands at ~174.9m, oriented at 70 degrees to ca.	ALTD BX	-	-	1-2	-	064	172.00	173.00	1.00	tr	-			0.002					
			ALTD BX	-	-	2	-	065	173.00	174.00	1.00	-	tr po			0.002					
			ALTD BX	-	-	1	-	066	174.00	175.00	1.00	tr	tr po			0.051					
			ALTD BX	-	-	3-4	-	067	175.00	176.00	1.00	tr cpy	tr po			0.002					
			ALTD BX	-	-	1-2	-	068	176.00	177.00	1.00	-	-			0.002					
			ALTD BX	-	-	2.5	-	069	177.00	178.00	1.00	tr	tr cp			0.002					
		Local flow-top texture zones are constrained by shear and dilational (barren) white to semi-opague quartz-carboante veinlets from 0.5 to 5% locally, up to 3-4 cm wide, variably oriented.	ALTD BX	-	-	6	-	070	178.00	179.00	1.00	tr	tr			0.002					
			ALTD BX	-	-	6	-	071	179.00	180.00	1.00	tr	tr po			0.002					
			ALTD BX	-	-	1	-	072	180.00	181.00	1.00	tr	tr po			0.017					
			ALTD BX	-	-	3	-	073	181.00	182.00	1.00	-	-			0.002					
			ALTD BX	-	-	1	-	074	182.00	183.00	1.00	-	-			0.010					
		193.9 - 196.11m: Alteration zone - pervasively carbonatized and albitized, similar to south zone of Naybob resulting in beige to cardboard brown. Injection of pale greyish quartz-carbonate veinlets yields a ribboned appearance - veinlets generally oriented at ~55-60 degrees to ca, and do not exceed 1cm in width.	ALTD BX	-	-	1	-	075	183.00	184.00	1.00	-	tr po			0.002					
			ALTD BX	-	-	0.5	-	076	184.00	185.00	1.00	tr	tr			0.002					
			ALTD BX	-	-	0.5	-	077	185.00	186.00	1.00	-	-			0.002					
			ALTD BX	m-s	2	2	-	078	193.90	195.00	1.10	0.5	0.25			0.126					
			ALTD BX	ml-s	2	2.5	-	079	195.00	196.10	1.10	1	0.25			0.854					
			I.DK	-	-	6	-	080	210.10	211.00	0.90	tr	-			0.002					
			I.DK	-	-	0.5	-	081	211.00	211.95	0.95	0.5	-			0.002					
		- weakly mineralized with fine- to medium-grained subhedral pyrite disseminations and ~3-5mm long wisps that are parallel to the quartz veining. Sulfide wisps generally parallel to veining. - relatively abrupt upper and lower contacts at 72 and 75 degrees to ca, respectively. - strongly effervesces with muriatic acid.																			
		210.1 - 211.95m: Intermediate (weakly mineralized) dyke - mauve-hued grey massive dyke - gritty texture - not well silicified - chloritization manifests as mm-wide selvages/mm-wide seams that occur intermittent throughout the unit - ~3-4% white quartz-carbonate veinlets that occur at ~5-20 degrees to ca ranging in 1mm to 2cm in thickness (barren) - Sharp lower contact at 20 degrees to ca. Sharp upper contact																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-046

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		at 18 degrees to ca. Local fabic weakly defined near upper contact at 50-55 degrees to ca and locally within weakly sheared zones. Generally, massive and inconsistent fabric. EOH at 213m.																			

Printed: August 4, 2022

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	HR1008			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: one round core barrel. Note: This hole is OG22-047A; it is the second attempt after OG22-047 (lost due to drilling issues while casing - was drilled as -45 but same azimuth. This hole steepened to help stabilize). Used DeviShot as downhole survey tool.
HOLE NO.:	OG22-047	LENGTH (m):	216.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362032.000	EASTING:	470025.000	COLLAR SURVEY BY: DeviCo Rig Aligner	
SECTION:	TZ_1200W	ZONE:	Thomas Ogden	ELEVATION (m):	300.000	DRILLING COMPANY: DrillCo	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	335.0 / -50.0	SURVEYED:	334.950 / -50.069	DATE LOGGED: Mar. 16, 2022 TO Mar. 19, 2022	Core Storage: Polk Farm
HOLE STARTED:	March 12, 2022	HOLE FINISHED:	March 17, 2022	MAG:	10.75º w	LOGGED BY: S.Huebert	Page 1 of 16

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n Index Carb	Alb	%Qtz	Ser	SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	48.00	**CASING**																			

DeviShot Data:

Depth (m) In/Out	Az (deg) (Raw)	Az (deg) (Corrected)	Dip (deg)	Northing (m)	
57.0m	347.90	337.74	-50.05	0.00	IN
123.0m IN	347.37	337.21	-50.89	0.00	
174.0m obtained ---	--- Foreman also serving as driller - No test				
216.0m	350.73	340.57	-50.82	0.00	IN

EOH

QA/QC Samples:

OG22-047A-019 (BLANK)
OG22-047A-029 (STD: CDN-CM-2)
OG22-047A-039 (BLANK)
OG22-047A-059 (STD: CDN-GS-3U)
OG22-047A-061 (BLANK)
OG22-047A-081 (BLANK)
OG22-047A-089 (STD: CDN-CM-44)

45.00	71.00	**DIABASE**																				

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-047

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		This unit is homogeneously massive/very fine-grained, greenish black/dark charcoal grey in colour and is pervasively moderately to strongly magnetic. Only anomalous features in unit are local siliceous lenses/pods/veinlets of pale pear green colour. Local wider veinlets contain mm-wide trace threads of deep burgundy red hematite. Vary in width between couple of mm's and 14cm are locally oriented at 60-70 degrees to ca. No quartz-carbonate veining (aside from rare barren white equant amorphous quartz-carb pod) nor are sulfides observed. Odd mm-wide dark green or pale yellowish beige healed fracture/chlorite seams oriented variably at 20-25 and 60-65 degrees to ca. No slickenlines observed. Strongly jointed at local intervals (i.e., @ 41.5-45m and at 60 to ~63.5m - "cave" noted on block by 60m. Overall, est. RQD ~55-60%. At least two main joint sets at (locally as shallow as 50) 60-70, and at 20 degrees to ca, respectively. Sharp lower contact @ 33 degrees to ca.																			
71.00	91.50	**CHLORITE SCHIST** This is an extremely foliated unit that resembles the way an ultramafic gets foliated and ribboned by ~25-30% white qtz/felds/carb, generally conformable to host rock fabric. The unit has undergone strong chlorite alteration. Unlike the TOG holes drilled in this program, this chlorite schist lacks moderate or any intermittent fuchsite alteration; it is also comparably more weakly mineralized. Only very trace fine- to medium-grained subhedral disseminated pyrite found locally in odd white quartz-	CHL SCH	-	-	5-7	-	001	82.44	83.36	0.92	tr	-			0.015						
			GRYWK	-	-	1-2	-	002	83.36	83.76	0.40	-	-			0.012						
			CHL SCH	-	-	3-4	-	003	83.76	84.25	0.49	-	-			0.002						
			CHL SCH	-	-	0.5-1	-	004	84.25	85.26	1.01	tr-0.5	-			0.002						
			INT DYK	-	-	3-4	-	005	85.26	85.93	0.67	3-4	tr			0.002						
			INT DYK	-	-	0.5	-	006	85.93	86.24	0.31	-	-			0.002						
			CHL SCH	-	-	5-7	-	007	90.50	91.50	1.00	tr	-			0.033						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-047

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

carbonate veinlet oriented at 13 degrees to ca (veinlet ~1 cm wide). The unit is intruded fairly heavily by white quartz/felds/carb stringers at random angles to ca. Non-magnetic.

Strongly defined fabric at 34-57 deg tca. Locally flattens to ~2 degrees to ca around ~80-81m. Near lower contact, fabric shallows from 48 to 38 degrees to ca, towards lower contact.

83.36 - 83.76m: possible fine-grained greywacke?
- fine-grained, medium-grey colour, poorly defined fabric to massive. Can scratch with scribe but is distinctly harder than surrounding chlorite schist. Irregular upper contact @ 47 degrees to ca, and sharp lower contact @ ~8 degrees to ca. <1% discontinuous white barren quartz-carbonate blebby veinlet/lenses. No observed sulfides.

As fabric intensity and veining abundance both decrease in chlorite schist between 83.76 and 85.3m, fine-grained subhedral to euhedral pyrite abundance increases - occurring as intermittent concentrations to gradually pervasively downhole.

85.30 - 86.24m: Intermediate Dyke
- 85.30 - 85.93m: ~3-4% medium- to very fine-grained disseminated subhedral to euhedral cubic pyrite scattered pervasively throughout dark green to locally mauve-hued grey intermediate dyke (variably chloritic). Local very fine- to fine-grained stubby silvery coloured arsenopyrite grains occur in close proximity to pyrite. Arsenopyrite observed near upper and contact, and where more siliceous, mauve-hued patches of alteration. Pyrite coarseness decreases downhole. Weakly defined fabric locally at ~42 degrees to ca. Sharp upper and lower contacts @ 44 and 48 degrees to ca, respectively.
- 85.93 - 86.24m: lower portion of dyke but lacking in any

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		observed sulfide mineralization. More strongly chloritic compared to rest of dyke. Gradational lower contact (est. ~28 degrees to ca). Pyrite content slightly increases in last ~30cm of unit featuring minor intermittently disseminated pyrite clusters preferentially stretched along fabric at 30 degrees to ca. Sharp lower contact of chlorite schist @ 31 degrees to ca.																			
91.50	119.90	**ARGILLITE** Dark charcoal to grey laminated beds of siltstone and aphanitic black mudstone that range in width between 1mm and 2.6cm. Local crenulations and cross-bedding suggest fining direction is downhole. Note: where graded bedding is commonly discernable, bedding is semi-parallel to long axis of core. Overall ~0.5 to trace fine- to medium-grained blebs of pyrite scattered throughout matrix of bedding. Trace chalcopyrite, pyrrhotite, sphalerite, and arsenopyrite associated with intermittent veinlets as described in detail below. Local blebs show slight elongation sub-parallel to bedding. Bedding is variable: bedding generally between 17 and 48 degrees to ca, with intermittent flattening of fabric so parallel to long axis of core (i.e., ~116-~120m). Intermittently, a cleavage can be discerned and is oriented at 20-22 degrees to ca. 91.5 - 92.74m. Dark greyish yellow-beige sediment interval with ~5% white blebby quartz-carbonate veinlets/blebs and intermittent minor fine- to medium-grained subhedral-euhedral disseminated pyrite occurs in local clusters or as scattered individual grains within host rock, and local fine-grained pyrite	SED	-	w	3-4	w	008	91.50	92.10	0.60	0.5-1	tr			0.019					
			SED	-	w	7-9	w	009	92.10	92.74	0.64	tr	-			0.006					
			ARG	-	-	2-3	-	010	92.74	93.18	0.44	tr	-			0.002					
			ARG	-	-	1-2	-	011	93.18	94.18	1.00	tr-0.5	-			0.002					
			ARG	-	-	1-2	-	012	94.18	95.10	0.92	tr-0.5	-			0.002					
			ARG	-	-	0.5-1	-	013	95.10	95.76	0.66	0.5	-			0.002					
			ARG	-	-	0.5	-	014	95.76	96.42	0.66	0.5	-			0.002					
			ARG	-	-	12-15	-	015	96.42	97.25	0.83	0.5-1	-			0.002					
			ARG	-	-	2-3	-	016	97.25	98.35	1.10	tr-0.5	-			0.002					
			ARG	-	-	4-5	-	017	98.35	99.44	1.09	tr	-			0.002					
			ARG	-	-	3-4	-	018	99.44	100.06	0.62	tr-0.5	-			0.002					
			BLANK	N/A	N/A	N/A	N/A	019	100.06	100.06	0.00	N/A	N/A			0.002					
			ARG	-	-	1-2	-	020	100.06	101.27	1.21	0.5	-			0.002					
			ARG	-	-	2-3	-	021	101.27	102.40	1.13	tr-0.5	-			0.002					
			ARG	-	-	2-3	-	022	102.40	103.60	1.20	tr	-			0.002					
			ARG	-	-	1-2	-	023	103.60	104.50	0.90	tr	-			0.002					
			ARG	-	-	1-2	-	024	104.50	105.50	1.00	tr-0.5	-			0.007					
			ARG	-	-	1-2	-	025	105.50	106.50	1.00	tr-0.5	-			0.002					

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

within odd veinlet. Veinlets often associated with <1mm wide dark green chlorite rim/salvage along contacts and/or contain small clots therein. Pyrite-bearing veinlets vary between 4mm and 2.2cm wide and oriented at 22-25 degrees to ca (cross-cutting hosting bedding @ 38 degrees to ca). Trace very fine-grained silvery prismatic to stubby arsenopyrite disseminations observed locally in smokey grey/translucent quartz-carbonate veinlet oriented at 25 degrees to ca, near upper contact; arseno observed along its contacts and closely proximal to local clustering of medium-grained pyrite disseminations. Sharp and lower contacts @ 31 and 38 degrees to ca, respectively. Fabric at 35 to 25 degrees to ca (weakly folded/locally crenulated - generally flattens downhole).

~96.7 - ~97.15m: sigmoidal white mineralized quartz-carbonate vein. Milky massive white vein (~55-60% quartz-carbonate) contains minor mm-wide dark green chlorite wisps (<1-2 cm long) and ~1% medium-grained amorphous blebs of brassy pyrrhotite (often with chlorite wisps) floating within vein and very weakly aligned so at 42-48 degrees to ca (very thin, <1-2 cm long chlorite wisps likewise weakly follow this linneation trend, but note some chlorite wisps ~sub-parallel to long axis of core). Odd bleb of medium-grained chalcopyrite also observed at ~45 degrees to ca oriented slightly elongate bleb. Pyrrhotite blebs show slight elongation so ~1.5mm by 1.5 cm. Trace to minor fine-grained subhedral pyrite disseminations occur closely proximal to, or within small clots of dark green chlorite within vein. Also present within the vein is trace very fine- to fine-grained brownish red sphalerite associated with fine-grained dark green chlorite and pyrrhotite. Chlorite locally manifests as dark blackish green discontinuous stylolites oriented at ~23 degrees to ca. Within the sigmoidal offshoot vein limb along upper contact, mm-wide chlorite wisps occur intermittently centrally within the veinlet. Irregular upper contact @ 17

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

degrees to ca, while sharp lower contact @ 11 degrees to ca.

~4-5% wispy white to pale grey carbonate-quartz stringers/narrow veinlets that range between in width between 1-2mm to 8 mm, and are oriented at 60-85 degrees to ca, usually crosscutting bedding. Most veinlets contain minor fine- to coarse-grained subhedral to euhedral cubic pyrite disseminations within them.

Veinlets observed with minor medium- to coarse-grained blebs of chalcopyrite (i.e., @ ~94.9m, 99.8m, & 103.27m) appear as milky white and are oriented at 20-25, 33, and ~3 degrees to ca, respectively - both crosscutting bedding and pale greyish white carbonate-quartz (barren) stringers that are semi-conformable to bedding. Veinlet width varies between 3mm and ~2cm.

Veinlets observed with minor fine- to medium-grained pyrrhotite +/- pyrite (i.e., @ 94.8, 101.42m) appear within milky white quartz-carbonate veinlets featuring common small wisps of dark green chlorite (generally parallel to vein contacts). Veinlets oriented at ~12 or ~30 degrees to ca. Pyrrhotite blebs often closely proximal to, or within dark green chlorite clots/wisps. Pyrrhotite blebs show slight lineation at ~20-22 degrees to ca and Pyrrhotite often associated with fine-grained subhedral pyrite - these aggregate clots can be ~1-1.5mm wide by up to ~1.1 cm long and often associated with chlorite while hosted within the white quartz-carbonate. The veinlets oriented at ~30 degrees to ca feature pyrrhotite that has a slight rose-hued colouration as opposed to the "typical" brassy colour observed elsewhere.

Est. RQD @ ~80%. Locally highly fractured at 97.65 - ~98m (RQD is 0%) (no obvious slickenlines in this interval).

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Local narrow breccia vein at 112.5m oriented at 20 degrees to ca and 1.5 cm wide. Grey carb-quartz veinlet with subrounded dark green chloritized breccia fragments within. No sulfides observed. Sharp lower contact @ 69 degrees to ca.																			
119.90	162.77	**INTERBEDDED WACKE** No VG observed in unit. Upper contact grades into weakly bedded fine-grained wacke-like unit with ~10-15% odd fine-grained to aphanitic dark charcoal grey mudstone or argillite bands that vary in width between 2 and 5mm, oriented at 11-30 degrees to ca. Wacke is mainly composed of dark grey aphanitic to fine-grained matrix with ~20-30% white to pale cream-hued subhedral equant grains scattered throughout the matrix (possibly feldspars?). Fine- to medium-grained equant translucent/dark grey quartz porphyroblasts are also relatively ubiquitous. Downhole of ~138m, bedding flattens so ~parallel to long axis of core. Around ~141.5m, bedding starts to steepen at 9 degrees to ca. Downhole of ~143m, bedding varies between ~20 and 13 degrees to ca. Overall unit is moderately siliceous and hard when scratched with a scribe (can still slightly scratch). Overall, ~6-9% white extensional wispy, and locally blebby/massive, quartz-carbonate veining in unit. Details below. Dominant sulfide appears to be trace-~1% very fine- to medium-grained subhedral to euhedral pyrite disseminations and	IB WCK	-	-	0.5	-	026	125.40	126.43	1.03	tr	-			0.002						
			IB WCK	-	-	0.5-1	-	027	126.43	127.43	1.00	tr	-			0.002						
			IB WCK	-	-	35-38	-	028	127.43	128.45	1.02	0.5-1	tr			0.002						
			STD	N/A	N/A	N/A	N/A	029	128.45	128.45	0.00	N/A	N/A			1.470						
			IB WCK	-	-	5-7	-	030	128.45	129.17	0.72	0.5-1	-			0.002						
			IB WCK	-	-	1-2	-	031	129.17	129.90	0.73	tr	-			0.002						
			IB WCK	-	-	3-4	-	032	129.90	130.48	0.58	0.5-1	-			0.006						
			IB WCK	-	-	3-4	-	033	130.48	131.18	0.70	0.5	-			0.002						
			IB WCK	-	-	0.5-1	-	034	131.18	132.00	0.82	tr	-			0.002						
			IB WCK	-	-	2-3	-	035	132.00	132.70	0.70	0.5-1	-			0.009						
			IB WCK	-	-	0.5-1	-	036	132.70	133.70	1.00	1	-			0.002						
			IB WCK	-	-	0.5-1	-	037	133.70	134.65	0.95	0.5-1	-			0.009						
			IB WCK	-	-	27-32	-	038	134.65	135.10	0.45	0.5	-			0.002						
			BLANK	N/A	N/A	N/A	N/A	039	135.10	135.10	0.00	N/A	N/A			0.002						
			IB WCK	-	-	5-8	-	040	135.10	136.10	1.00	1	-			0.002						
			IB WCK	-	-	3-4	-	041	136.10	136.79	0.69	0.5-1	-			0.002						
			IB WCK	-	-	4-5	-	042	136.79	137.79	1.00	tr	-			0.002						
			IB WCK	-	-	0.5-1	-	043	137.79	138.40	0.61	tr	-			0.002						
			IB WCK	-	-	0.5-1	-	044	138.40	139.20	0.80	0.5	-			0.002						
			IB WCK	-	-	0.5-1	-	045	139.20	140.28	1.08	0.5-1	-			0.002						
			IB WCK	-	-	0.5	-	046	140.28	140.80	0.52	tr	-			0.002						
			IB WCK	-	-	1-2	-	047	140.80	141.70	0.90	tr	-			0.002						
			IB WCK	-	-	2-3	-	048	141.70	142.45	0.75	1-2	-			0.002						
			IB WCK	-	-	0.5	-	049	142.45	143.35	0.90	tr-0.5	-			0.002						
			IB WCK	-	-	8-10	-	050	143.35	144.38	1.03	tr	-			0.002						
			IB WCK	-	-	0.5-1	-	051	144.38	145.26	0.88	tr	-			0.002						

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		discrete blebs, followed by trace to locally minor fine- to medium-grained brassy or rose-hued pyrrhotite blebs, and in trace amounts are local blebs of chalcopyrite, sphalerite, and very trace possible very fine-grained stubby arsenopyrite grains (arseno @ 127.47m). Sulfides subtly grade in and out, in terms of relative abundance within this unit. Brassy pyrrhotite seems to be dominant over rose-hued pyrrhotite which is observed locally as trace fine-grained blebs within 130.3 - 130.48m, within a grey quartz-carbonate veinlet at 18 degrees to ca <5mm wide (no alteration/chlorite within veinlet and crosscuts bedding of host rock). Brassy pyrrhotite blebs observed locally downhole of 130.5m within pale grey carbonate mm-wide stringers oriented at 10 and 35 degrees to ca, respectively. Pyrite mainly manifests as fine-grained disseminations throughout the bedding of the host rock.	IB WCK	-	-	3-4	-	052	145.26	146.35	1.09	1	-			0.002						
			IB WCK	-	-	1-2	-	053	146.35	147.36	1.01	tr-0.5	-			0.002						
			IB WCK	-	-	1-2	-	054	147.36	148.35	0.99	tr	-			0.002						
			IB WCK	-	-	2-3	-	055	148.35	149.35	1.00	0.5-1	-			0.002						
			IB WCK	-	-	0.5-1	-	056	149.35	150.30	0.95	tr	-			0.005						
			IB WCK	-	-	1-2	-	057	150.30	151.32	1.02	0.5-1	-			0.002						
			IB WCK	-	-	4-5	-	058	151.32	152.40	1.08	0.5	-			0.002						
			STD	N/A	N/A	N/A	N/A	059	152.40	152.40	0.00	N/A	N/A			3.320						
			IB WCK	-	-	1-2	-	060	152.40	153.50	1.10	0.5	-			0.002						
			BLANK	N/A	N/A	N/A	N/A	061	153.50	153.50	0.00	N/A	N/A			0.002						
			IB WCK	-	tr	3-4	-	062	153.50	154.50	1.00	tr-0.5	-			0.002						
			IB WCK	-	-	2-3	-	063	154.50	155.60	1.10	0.5-1	-			0.002						
			IB WCK	-	-	4-5	-	064	160.05	160.84	0.79	tr-0.5	-			0.009						
			IB WCK	-	sBLE	0.5-1	-	065	160.84	161.50	0.66	-	-			0.002						
			IB WCK	-	sBLE	0.5	-	066	161.50	162.21	0.71	-	-			0.002						
			IB WCK	-	sBLE	3-4	-	067	162.21	162.77	0.56	tr	-			0.002						
		Local fine-grained pyrrhotite-pyrite wisps oriented at 7 degrees to ca, around ~153.2m, so sub-parallel to bedding.																			
		Most significant feature of unit appears to be the discrete, narrow white quartz-carbonate extensional veining that commonly hosts fine- to meduim-grained blebs of reddish brown sphalerite, greenish yellow chalcopyrite and brassy yellow subhedral pyrite. Also present locally, are trace very fine- to fine-grained pyrrhotite blebs and possible very fine-grained arsenopyrite grains. No noticeable or strong alteration is associated with the veining. The array of sulfides and localized ~0.5-1% abundance prompted sampling in this interval.																			
		127.43 - 129.17m: ~37-40% white quartz-carbonate veining with common (~15-18%) subangular wall rock breccia fragments. Fragments appear same colour as host rock and lack any obvious signficant alteration. This interval is a zone of narrow veinlets and the odd vein that vary in width between 3mm and																			

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25cm and vein/veinlet contacts are fairly consistently oriented at degrees to ca, sub-parallel to host rock bedding (locally crosscuts at 128.22m and 128.28m).

Vein angles typically @ 41-42 degrees to ca (locally at 32 degrees and 58 degrees to ca, respectively, as noted at 128.22m and 128.28m. Very fine- to fine-grained pyrite appears to be the dominant sulfide (<0.5%) with minor fine-grained blebs of brassy pyrrhotite, and trace fine-grained brownish red sphalerite blebs. Sphalerite bleb occurs as discontinuous <mm-wide wisps that partially flank a blebby veinlet at 128.73m. Pyrite and pyrrhotite occur as blebs within veining as well as scattered individual grains disseminated throughout the matrix, showing a slight elongation, preferentially parallel to fabric.

134.65 - 137.79m: wispy extensional white quartz-carbonate veining, mostly at low core angles, and hosting various sulfides, as described below. This is interval seems comparably more silicified compared to up-hole section of this unit.

134.65 - 136.79m:
@ ~1 to 10 degrees to ca mostly (local offshoot limb stringers at 78 and 18 degrees to ca, respectively). Veinlets vary in width between 2mm and 2cm. Veinlets hosting fine- to medium-grained greenish yellow chalcopyrite blebs and amorphous blebs of brownish red sphalerite, and subhedral to euhedral brassy yellow pyrite occur within the same veinlets oriented at 2,14, 22, 30-32 degrees to ca and ~3mm wide. Pyrite seems to be the dominant sulfide, followed by chalcopyrite, closely followed by sphalerite. Fine-grained clots of dark green chlorite occur intermittently in veinlets of various orientations. Local healed fracture (barren) crosscuts flat-lying veinlets at 68 degrees to ca. Locally, a 30 degree veinlet crosscuts and offset the 18 degree veinlet by 1 cm dextrally. The 18 degree veinlet

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

just contained pyrite whereas the 30 degree veinlet hosted fine- to medium grained pyrite and trace fine-grained sphalerite. Sphalerite locally common as fine- to medium-grained brownish red blebs within <3 cm wide white quartz-carbonate tension gashes oriented at 10-12 degrees to ca.

Late brittle white carbonate mm-wide stringers oriented at 48-52 degrees to ca crosscut mineralized veinlets. Locally, spaced as closely as 5 within 20cm interval, approximately evenly spaced.

Local 2cm wide white veinlet at 20 degrees to ca contains pervasive locally abundant clusters of very fine-grained brassy pyrite that yield a superficially dendritic like appearance, all contained within the veinlet. Veinlet crosscuts the hosting sediments' bedding oriented at 15 degrees to ca, dipping in the opposite direction of the veinlet.

136.79 - 137.79m:
@ degrees to ca. Likewise, this interval of veining occurs at low angles, but is distinct from previous sub-section due to significant decrease in sulfide abundance and diversity. Only local fine-grained subhedral pyrite and trace fine-grained blebs of chalcopyrite are present. Both sulfides observed intermittently in same ~1.1 cm wide white quartz-carbonate veinlet that gently undulates so its sub-parallel to long axis of core (veinlet is along bottom of core). Veinlet is at 14 degrees to ca about ~55 cm long and extends from 137.07 to 137.66m; the up-dip (relative to how core appears in photo - NOT oriented core) apex of the veinlet is along the top of the core. Veinlet is locally crosscut by white carbonate ~1cm wide veinlet (barren) at 57 degrees to ca. No sphalerite nor pyrrhotite observed in this interval.

Local sense of shear indicated by micro S-folds at 125.77m. Shear at 28 degrees to ca, suggesting sinistral movement.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-047

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Closely proximal to trace fine-grained pyrite and possible very fine-grained sphalerite. Rarely observed around 124m are bright green fuchsite wisps oriented at 21 degrees to ca (along bottom of core). Local slickenlines observed along joints oriented at 27 degrees to ca (@ 130.07 - 130.15m; joint spacing @ 1.5 to 5.5 cm). Platy surficial pyrite common along these slickenlines. Slickenlines appear approximately orthogonal relative to long axis of core. No graphite observed. Slickenlines also observed at 127.5m and are also associated with platy surficial pyrite; slickenlines also approximately orthogonal relative to long axis of core. Local <4mm wide healed brecciated fault flanks mm-wide brassy very fine-grained pyrite-pyrrhotite stringers oriented at 54 degrees to ca (@ 135.72m - along back of core) which crosscuts an 8 degree to ca white <5mm wide quartz-carb veinlet (no observed sulfides therein). Local brecciation of dark wacke within white carbonate veinlet oriented at 43 degrees to ca, observed at 149m. Brecciation also observed at ~144-144.70m (no sulfides observed in association). White couple mm-wide quartz-carbonate veinlets hosting fine-grained pyrite and trace sphalerite observed at 33-37 degrees to ca around 153.5m. Also observed at veinlets oriented at ~47 degrees to ca, around ~151.7m which crosscuts pale grey barren carbonate-quartz stringer parallel to bedding. Overall, est. RQD ~75-80%. Locally, broken-up intervals @ 126.43-126.58m, 128.9-129.0m, and 130.12-130.28m. White quartz-carbonate veining abundance and frequency suddenly reduces after 155.6m. Between 155.6 and 160.05m,																			

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		the bedding of the wacke is weakly to moderately defined at 17-22 degrees to ca (local <3-4mm wide black aphanitic interbeds of argillite/mudstone are common intermittently). Between 160.05 and 160.68m, ~4-5% white quartz-carbonate extensional veining is associated with minor fine-grained disseminated subhedral pyrite disseminations. Vein at 12 degrees to ca and 7mm wide. 160.68 - 162.77m: Strongly bleached wacke? Or pale cream-hued grey sediment dyke? Massive to very weakly developed @ ~30-35 degrees to ca. Sharp upper and lower contacts @ 11 and 20 degrees to ca, respectively (lower contact not as well defined - slightly sheared and alteration abruptly diffuses in terms of intensity). No observed sulfide mineralization within this interval. Relatively sharp lower contact @ 20 degrees to ca.																			
162.77	189.14	**ARGILLITE** Black aphanitic mudstones, pale to medium grey sandstones vary in bed widths between 1mm and 1.2 cm, variably oriented at 15-22 egrees to ca. Local graded bedding suggests fining downhole (note: bedding in these intervals almost sub-parallel to long axis of core). Towards lower contact, bedding steepens from ~50 to 68 degrees to ca. Trace to ~0.5% fine- to medium-grained pyrite wisps and disseminations scattered throughout the bedding. ~2-3% wispy white quartz-carbonate <5mm wide veinlets/stringers variably oriented at 15-22 degrees & 70-75 degrees (both sets associated with fine-grained pyrite and locally trace fine-grained sphalerite in a couple of 15-20 deg veinlets) degrees to ca, 30-35 degrees to ca and 50-55 degrees to ca (both sets are barren).	ARG	-	-	2-3	-	068	162.77	163.77	1.00	2-3	-			0.006						
			ARG	-	-	3-4	-	069	163.77	164.35	0.58	1-2	-			0.006						
			ARG	-	-	0.5-1	-	070	164.35	165.50	1.15	tr	-			0.002						
			ARG	-	-	0.5-1	-	071	165.50	166.60	1.10	tr	-			0.002						
			ARG	-	-	1-2	-	072	166.60	167.70	1.10	tr-0.5	-			0.002						
			ARG	-	-	0.5-1	-	073	167.70	168.66	0.96	tr	-			0.002						
			ARG	-	-	0.5	-	074	168.66	169.36	0.70	tr	-			0.002						
			ARG IBD CO	-	nBLE	5-6	-	075	169.36	169.85	0.49	0.5	-			0.002						
			ARG	-	-	0.5	-	076	169.85	170.54	0.69	tr	-			0.006						
			ARG IBD CO	-	sBLE	0.5-1	-	077	170.54	171.77	1.23	tr-0.5	-			0.002						
			CONG	-	s	0.5-1	-	078	171.77	172.60	0.83	-	-			0.006						
			MAF DYK	-	-	1-2	-	079	172.60	173.37	0.77	tr	-			0.002						
			SHR	-	w-m	2-3	-	080	173.37	174.55	1.18	0.5-1	-			0.002						
			BLANK	N/A	N/A	N/A	N/A	081	174.55	174.55	0.00	N/A	N/A			0.002						

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
			IBDD SEDS	-	m	2-3	-	082	174.55	175.50	0.95	-	-			0.002					
			ARG	-	-	3-4	-	083	175.50	176.42	0.92	tr	-			0.002					
			CONG	-	m-s	1-2	-	084	176.42	177.34	0.92	0.5-1	-			0.002					
			ARG	-	-	1-2	-	085	177.34	178.34	1.00	tr	-			0.002					
			ARG	-	-	8-10	-	086	178.34	178.82	0.48	0.5-1	-			0.002					
			IBDD SEDS	-	s	2-3	w	087	183.10	184.10	1.00	1	-			0.007					
			IBDD SEDS	-	s	0.5	w	088	184.10	184.90	0.80	0.5-1	-			0.002					
			STD	N/A	N/A	N/A	N/A	089	184.90	184.90	0.00	N/A	N/A			1.290					

Black mudstones appear to be dominant between 162.77 and 163.65m and are associated with slight increase in fine-grained pyrite wisps and disseminations, oriented at 33 degrees to ca. Local blebs of pyrite also observed within white quartz-carbonate ovoid-shaped blebby pods. Local pale cream-hued grey inclusion of wacke near lower part of this interval @ 163.52m at ~22 degrees to ca. Pyrite wisps (mm-wide, yellow subhedral fine-grained pyrite) oriented at 2-3, 10-12, and at 30-33 degrees to ca. Quartz-carbonate veinlets in this interval mostly conform to bedding and often contain fine- to medium-grained subhedral pyrite therein. Non-magnetic unit. Lower contact @ 163.77 shows some small brecciation of below argillite.

169.36 - 169.85m & 170.54 - 171.50m: weakly to moderately foliated and weakly altered equivalent of sub-unit @ 160.68-162.77m.

169.36 - 169.85m: Interval reminiscent of strained conglomerate due to dark green mafic clasts that appear highly attenuated and resemble <2-3mm wide bands. upper and lower contacts @ 17 and 15 degrees to ca, respectively. Unit better characterized as three interbeds of bleached wacke-like unit, within argillite. Interbeds vary in width between 3mm and 1.1cm. Common white wispy carbonate+/-quartz stringers oriented at 63-71 degrees to ca occur throughout and feature trace fine-grained brownish red blebs of sphalerite therein, usually associated with trace fine-grained pyrite and very trace fine-grained dark green chlorite clots. Wisps/stringers <1-2mm wide. Slightly wider, and quartz-dominant veinlets <5-6mm wide oriented at 40-45 and 60-65 degrees to ca tend to be barren. Minor wispy carb-qtz wisps reflect micro-crenulations and ductile deformation and crosscut bedding of host rock. Argillite

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

is bedded at ~17 degrees to ca.

170.54 - 171.50m: Like the previous sub-unit, this is likely a conglomerate-like interval due to presence of siliceous clasts that appear as cream or pale mauve-hued pale grey narrow bands (8mm to 1.2 cm wide) and intermittent fuchsite bands/wisps. Upper and lower contacts @ 13 and 14 degrees to ca, respectively. Rare white carbonate-quartz veinlet <4-5mm wide oriented at 77 degrees to ca contain trace medium- to coarse-grained oxidizeed/stained pyrite blebs (possible pyrrhotite as well?). Trace brassy pyrrhotite discontinuous stringers within matrix of host rock <1-2mm wide oriented at 16-20 degrees to ca, so parallel to host rock fabric. Host rock fabric is moderately defined at degrees to ca. Local couple mm-wide bright green fuchsite wisps/discontinuous narrow bands also occur parallel to host rock fabric (albeit not too frequently nor abundantly).

Downhole of 170.54m, unit becomes more heterogeneous in terms of being variably interbedded with wackes and conglomerates, as well as a couple of mafic dykes.

Mafic dykes are homogeneous, fine-grained, dark green, non-magnetic and occur @ 172.6-173.37m (sharp upper and lower contacts @ 26 and 23 degrees to ca, respectively) and @ 184.44-184.72m (sharp upper and lower contacts @ 30 and 23 degrees to ca, respectively), and 185.7-185.85m (sharp upper and lower contacts @ 40 and 55 degrees to ca, respectively).

Local brecciated (green-hued) wacke intervals with interstitial white quartz-carbonate at 180.15-180.24 @ 18 degrees to ca (no observed sulfides), and at 181.42-181.56m @ 45 and 23 degrees to ca (trace fine- to medium-grained pyrite blebs with trace fine-grained brownish red sphalerite bleb within interstitial

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		light grey quartz-carbonate, and tangential to breccia fragmentation. Locally moderate to strong silicification in weak-moderate shear @ 173.37-173.73m associated with scattered very fine- to fine-grained pyrite disseminations. Fabric @ 28 degrees to ca. Very strong albitization/moderate silicification @ ~183.1-184.4m associated with intermittent several mm-long brassy pyrrhotite wisps parallel to fabric @ 25 degrees to ca, and also disseminated throughout are small bright green fuchsite wisps. Local mm-wide clear quartz stringer hosts fine-grained pyrite and trace fine-grained sphalerite @ 28 degrees to ca. Sharp lower contact @ 53 degrees to ca.																			
189.14	216.00	**ULTRAMAFIC** Dark greenish charcoal grey in colour. Massive and ribboned with ~5-7% white carbonate anastomosing veinlets, commonly interstitial to nearly continuous brecciation of unit. Locally weakly to strongly magnetic (i.e., ~197-199.8m, 201-205.7m, and 209.55m-EOH). Can scratch with a scribe but not a fingernail. Weakly to moderately serpentine- and talc-altered. No observed sulfides. 189.14-189.5m: Siliceous barren intermediate dyke - dark taupe-hued grey in colour - very fine-grained / massive - ~3-4% white blebby barren quartz-carbonate veinlets <2cm wide at various orientations. - No observed sulfides. - Sharp upper and lower contacts @ 53 and 58 degrees to ca, respectively.																			

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		189.79-~190.4m: Siliceous barren intermediate dyke - Same as previous, but features siliceous pale pink-hued alteration with minor mossy green chlorite throughout near lower contact. (no sulfides within it). This patch of strong alteration/veining is crosscut by cream-hued carbonate <1cm wide veinlets oriented at 35 degrees to ca. - Veinlets have weak diffusive localized silicifcation alteration haloes that take on pale mauve-grey hue in colour. - No observed sulfides. - Sharp upper contact @ 58 degrees to ca. Lower contact is irregular. EOH @ 216m.																			

Printed: August 4, 2022

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PROPERTY:	Ogden	CLAIM NO.:	HR1008			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Dalton Rd set-up. Used one round barrel. Used DeviShot as downhole survey tool. Planned depth was 200m - extended due to lithology.
HOLE NO.:	OG22-048	LENGTH (m):	300.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362055.000	EASTING:	470335.000	COLLAR SURVEY BY: DeviCo Rig Aligner	
SECTION:	TZ_1200W	ZONE:	Thomas Ogden	ELEVATION (m):	300.000	DRILLING COMPANY: DrillCo	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	335.0 / -45.0	SURVEYED:	335.110 / -45.071	DATE LOGGED: Mar. 22, 2022 TO Mar. 25, 2022	Core Storage: Polk Farm
HOLE STARTED:	March 17, 2022	HOLE FINISHED:	March 21, 2022	MAG:	10.75º w	LOGGED BY: S.Huebert	Page 1 of 12

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n Index Carb	Alb	%Qtz	Ser	SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	23.00	**CASING**																			

DeviShot Data:

Depth (m) In/Out	Az (deg) (Raw)	Az (deg) (Corrected)	Dip (deg)	Northing (m)	
39.0m	346.90	336.74	-43.79	0.00	IN
84.0m	347.97	337.81	-43.24	0.00	IN
135.0m	349.06	338.90	-42.72	0.00	IN
186.0m	347.59	337.43	-42.87	0.00	IN
237.0m	348.44	338.28	-42.25	0.00	IN
288.0m	349.91	339.75	-41.56	147.81	IN

EOH

QA/QC Samples:

OG22-048-014: BLANK
OG22-048-018: STD (HGS1)

23.30	58.31	**MAFIC-INTERMEDIATE TUFF**																			

Deloro Assemblage. Medium to dark green, fine grained with a gritty texture. Unit is relatively competent with minor fracturing. Weak to locally moderate foliation @15-25 deg to c.a. (23-40m) and then slightly steepens to 32-49 degrees to ca (@ ~40-57m) with horneblende clots (1-3mm) aligned parallel to foliation. Fabric locally flattens and undulates gently where slightly more

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

foliated/chloritic at 46.45 - 51.37m (for most of fabric in this interval, orientation varies between 20 and 58 degrees to ca). Local folds and fold noses can be discerned between ~50 and 57m.

Occassional white barren quartz veins (2-5mm) predominantly @ 60-70 deg and at 20-30 degrees to ca. Ovoid-shaped white quartz blebs/pods also occur intermittently. Local small vugs and dark green chloritic wisps common. No sulfides observed therein. To c.a. Locally grades to dacitic in composition. Relatively unaltered and unmineralized and non-magnetic. Unit becomes more foliated near lower contact. Relatively sharp lower contact @40 deg to tca with associated strong foliation. Not a single grain of pyrite or any other sulfide observed.

30.0 - 30.20m: Chlorite schist/Iron Formation-like interval
- Very strongly foliated, dark green, fine-grained with pervasive ~15-20% white carbonate <1cm wide veinlets parallel to fabric @ 40 degrees to ca.
- Non-magnetic.
- No sulfides observed
- Sharp upper and lower degrees at 38 and 46 degrees to ca, respectively.
- ochre-coloured staining along lower contact
- a couple of ~3-4mm wide pinkish hued carbonate discontinuous veinlets conformable to fabric.

Lower contact demarcated by white barren quartz-carbonate veining with blackish dark green stylolitic chlorite (various orientations). Upper contact of this vein/lower contact of tuff unit is at 43 degrees to ca.

58.31 75.20 **CHLORITE-SERICITE SCHIST**

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Compared to TOG holes drilled in this March-April 2022 program, this chlorite-sericite schist is comparably less sericitized, less mineralized, and less sheared; this interval lacks the blue-hued grey quartz lenses/pods. It appears as a medium green schist with weak to locally moderate pale yellow sericite wisps that conform to fabric. Local folds and weak crenulations. This is an extremely foliated unit with ribboned white/pale yellow bands consisting of qtz/felds/carb which has been partially altered to sericite. Fabric is highly variable until after ~63m, where foliation averages ~30-33 degrees to ca (locally flattens to about 10-11 degrees to ca. No sulfides observed aside from trace fine-grained pyrite hosted within 26 degree white quartz-carbonate veinlets ~3cm wide featuring large vugs. Sharp lower contact @ 20 deg to c.a. Unit is strongly foliated and host rock is moderately chloritized and weakly to (moderately sericitized. Not very well silicified - can scratch with scribe. Granular, blebby white quartz-carbonate vein at 58.31 - ~58.9m. No sulfides. Upper and lower contacts @ 40 and ~10 degrees to ca, respectively. Chloritized and sericitzed schist hosts the blebby vein. Pervasive blackish green chlorite stylolites throughout vein.																			
75.20	161.35	**CHLORITE SCHIST** This is a moderately to strongly foliated unit that resembles the way an ultramafic gets foliated and ribboned by white qtz/felds/carb. The unit has undergone strong chlorite alteration but lacks the fuchsite alteration observed in the TOG holes drilled in this program. The unit is intruded fairly heavily by white quartz/felds/carb stringers at random angles to ca. ~7-10% blebby white Quartz veins occasionally contain trace to 0.5% finelly disseminated pyrite. Local patchy pale beige-coloured																			

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

bleaching/Fe carbonate alteration at ~76m (weakly effervesces with HCl). Gradational lower contact with ultramafics. Fabric varies between 18 and 43 degrees to ca. Downhole of ~115m, foliation flattens slightly to 23-15 degrees to ca. Downhole of ~128m, foliation further shallows between 4 and ~20 degrees to ca.

142.40 - 146.70m: ~70-75% white carbonate veining. No sulfides observed. Fabric defined by seams/inclusions of dark green chlorite variably oriented at 9-21 degrees to ca (intermittently flattens). Upper contact @ 15 degrees to ca. Lower contact is gradational/irregular.

146.70 - 155.23m: Pervasive ~35-40% beige-hued grey carbonate veining with trace intermittent fine- to coarse-grained subhedral pyrite disseminations. <1-2% white blebby quartz-carbonate veinlets (barren) occur often as discontinuous pods/lenses. Local continuous veinlets oriented at ~20-30 degrees to ca (locally conformable to host rock fabric).

155.23 - 160.10m: resembles a weakly altered chlorite-sericite schist. Weak to moderate chlorite with weak pale yellow sericite. Fabric not as well developed as earlier in hole. Less intense sericite. Fabric is fairly flat-lying (shallows from 30 degrees to ca, to ~3-7 degrees for most of interval). Towards lower interval, steepens again to ~30 degrees to ca. Trace to nil very fine-grained disseminated pyrite.

160.10 - 160.73m: Intermediate-Mafic Dyke
- fine-grained dark green chlorite clots (~30%) in massive dark grey matrix. Sharp upper contact @ 31 degrees to ca. Lower contact @ 12 degrees to ca. Non-magnetic.

160.73 - 161.35m: Dark green chlorite schist lacking significant

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		veining, aside from a couple of ~1-2 cm wide 35 degree to ca beige carbonate veinlets hosting very fine-grained disseminated pyrite. This interval is increasingly soft towards lower contact. Sharp lower contact @ 23 degrees to ca. Sharp lower contact @ 23 degrees to ca.																			
161.35	169.50	**ULTRAMAFIC** Ultramafic transition zone - dark blackish green matrix ribboned with pervasive ~25% white carbonate-quartz veining reflecting plastic deformation. Quartz-carbonate veining generally conformable to fabric and is barren, with exception of a couple of veinlets/lenses within last ~metre of unit. Relatively hard when scratched with scribe - can scratch with scribe, but not fingernail. Lacks soapy feel to core. Weakly serpentine- and talc-altered. Trace fine- to medium-grained subhedral pyrite disseminations. Fabric highly variable due to plastic deformation - very ductile, with common flattening of fabric. Non-magnetic. Fabric in last ~3m of unit shallow from 55 degrees to ca, to 21 degrees to 35 degrees to ca, near lower contact. Sharp lower contact @ 30 degrees to ca.																			
169.50	175.90	**FELSITE** Caramel-hued to pale yellowish beige colour due to variably moderate to strong Fe carbonate and albite alteration; pervasively strongly silicified with ~0.5-2% very fine- to fine-grained subhedral to euhedral cubic pyrite disseminations and intermittent very fine- to fine-grained stubby and (subordinate) acicular arsenopyrite disseminations which also occur as local discrete <1-2 cm long wisps, oriented at 60 degrees to ca (i.e, @ ~171.2m). Intermittent bright green fuchsite wisps occur	UM	-	-	2-3	-	001	168.50	169.50	1.00	tr	-			0.002					
			FEL	w-m	m-s	0.5-1	-	002	169.50	170.49	0.99	1	0.5			0.018					
			FEL	w-m	m-s	0.5-1	-	003	170.49	171.49	1.00	1	1			0.143					
			FEL	w-m	m-s	1-2	-	004	171.49	172.50	1.01	0.5-1	0.5-1			0.018					
			FEL	w-m	m-s	2-3	-	005	172.50	173.50	1.00	0.5-1	0.5-1			0.036					
			FEL	w-m	m-s	1-2	-	006	173.50	174.38	0.88	0.5-1	0.5-1			0.033					
			FEL	w-m	s	2-3	-	007	174.38	175.16	0.78	0.5	0.5			0.191					
			FEL	w-m	s	2-3	-	008	175.16	175.90	0.74	0.5-1	0.5			0.238					

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

throughout the siliceous matrix. Local fuchsite wisps feature very fine-grained pyrite +/- arsenopyrite disseminations flanking along the fuchsite wisp's contacts. Albitization seems to increase in intensity in last ~2m of unit due to paler yellow colouration (still very silicified - when scratched with scribe - seems to have same relative hardness as rest of unit).

Mineralization seems to occur predominantly as scattered disseminations/wisps within the altered matrix of the host rock. No one veinlet or healed fracture orientation/style appears to be associated with sulfides.

~1-2% white narrow quartz-carbonate veinlets occur at various orientations:

- (17 degrees - white quartz-carbonate, ~2-3mm wide, crosscut by late carb stringers at 60 and 12 degrees to ca). No sulfides observed.
- 58 degrees - white carbonate-quartz, pervasive small clots of dark green chlorite (also flanks stringer along its contacts as a <0.5mm wide seam). No sulfides. Crosscut and offset, by 4mm, by a sigmoidal fuchsite wisp oriented at ~20 degrees to ca (crosscutting host rock fabric at ~41 degrees to ca).
- 65-70 degrees white quartz-carbonate with minor dark green chlorite clots, ~3-4mm wide, no sulfides. Locally crosscut fuchsite wisps.
- 50-60 degrees pale cream-hued carbonate stringers <1-2mm wide, with localized pale yellow diffusive albite alteration haloes - barren, but locally, closely proximal within a mm or two of local clusters of very fine- to fine-grained stubby arsenopyrite disseminations.

Veinlets, regardless of orientations, generally are <0.5-1 cm wide. Local veinlets associated with small clots of dark green chlorite, especially the lower angle and vaguely sigmoidal ones

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-048

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

(i.e., oriented at <5-10 degrees). Local ~10 degree to ca ~5mm wide dark green chlorite-dominant veinlet ~173.2-173.5m (crosscut by late brittle pale cream-coloured carb stringer at 60 degrees to ca). Local ~7 deg white quartz-carbonate veinlet (barren) associated with pervasive clots of dark green chlorite throughout, crosscuts a 57 deg cream-coloured carbonate stringer with pale yellow alteration halo (also barren). A similar veinlet to the one oreinted at 7 degrees occurs at 23 degrees within a few inches of the first one.

Healed fractures tend to be barren and are commonly oriented at 10 degrees, 35 degrees, 43 degrees to ca. All healed fractures appear to be barren. Pale yellow albitized healed fractures are vaguley sigmoidal/gently undulatory, and occur locally at low core angles (~5 degrees to ca); no associated sulfides observed (i.e., ~172.3-172.5m).

Late-stage white carbonate-infilled fractures, oriented at 12, 28, 60-78 degrees to ca locally crosscut healed fractures and host rock fabric. (The 28 deg stringer locally crosscuts the 78 degree stringer, i.e., @ 173.5m). All late-stage carbonate stringers appear to be barren.

Local slickenlines associated with minor platy/surficial pyrite observed along broken end of core at 171.55m. Slickenlines oriented oblliquely relative to long axis of core (~55 degrees to ca, relative to long axis of core).

Fabric is mostly obliterated due to the strong alteration. Where alteration is locally less intense, fabric can be discerned as 45 to 35 to 18 degrees to ca, flattening downhole.

Sharp lower contact @ 18 degrees to ca.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
175.90	190.48	**CONGLOMERATE/WACKE**	CONG	-	v.wk	0.5	-	009	175.90	176.90	1.00	-	-			0.010					

Vaguely resembles a conglomerate due to chlorite clasts but the matrix is more texturally resminiscent of a wacke. Can discern ~15-20% fine-grained grey/translucent equant quartz grains, and ~10 white fine-grained equant phenocrysts throughout the matrix. Unit is fairly siliceous (hard when scratched with scribe - can lightly scratch, lacks glassy feel associated with strongly silicifed zones).

Fine-grained grey matrix appears uniform in colour and texture, lacking any significant alteration, mineralization, or veining. ~5% moderately to strongly attenuated/elongated dark green chlorite clasts, oriented parallel to weakly-moderately developed fabric at 13 degrees to ca, near upper contact, gradually steepens to 45 degrees to ca (by ~180.5m). By ~182m, fabric begins to flatten again to 12 degrees to ca. Downhole, fabric further flattens to 8-3 degrees to ca. In last ~10cm of unit, fabric steepens so parallel to lower contact at ~12-18 degrees to ca.

~2-3% wispy stringers/narrow blebby white quartz-carbonate veinlets (barren), generally crosscut fabric at 28-40 degrees to ca, and at 53-65 degrees to ca. Both sets locally contain small wisps or clots of dark green chlorite therein. Local pale yellow albitization halo surrounds 5 ~53-55 deg ~2-3mm wide white quartz-carbonate stringers that occur within ~10 cm interval (no sulfides observed in this interval).

Trace to nil very fine- to fine-grained subhedral pyrite disseminations occur locally within matrix of host rock. Trace very fine-grained stubby-prismatic arsenopyrite disseminations occur within white quartz-carbonate bleb oriented at 20 degrees to ca.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Sharp lower contact @ 18 degrees to ca.																			
190.48	204.18	**MAFIC CONGLOMERATE** Dark olive green pervasive chloritic clasts appear strongly attenuated, but can still discern tapered ends of clasts. Strongly developed fabric is consistent at ~15-18 degrees to ca. ~75-80% dark green clasts comprise unit. ~20% white carbonate veining/interstitial carbonate. Veining generally barren, aside from odd veinlet (a few are generally oriented at 15-18 degrees to ca, parallel to fabric). Locally, the mineralized carbonate veinlet is crosscut by late mm-wide white carbonate-infilled fractures (barren) oriented at 25 and 30 degrees to ca, respectively. Moderately chloritic due to colouration and can scratch easily with scribe. Local weak fuchsite associated with clear/white quartz-carbonate veinlet ~3-4mm wide oriented at 32 degrees to ca (within sample 010). Local pale grey/translucent quartz-dominant veinlet at 42 degrees to ca and <4cm wide also features very fine-grained pyrite disseminations floating within it. ~0.5-1% fine- to medium-grained subhedral pyrite frequently occurs as spaced disseminations clustered between chloritic bands or as continuous stringers <0.5mm wide, also parallel to host rock fabric. 201.0 - ~201.9m: Strong silicification and weak pale yellow albite alteration. ~2-3mm wide white quartz-carbonate veinlets increase in frequency and are oriented at 71-78 degrees to ca and 16 degrees to ca. Minor bright green fuchsite wisps within this interval. Veining towards end of interval oriented at 57	MF CONG	-	-	2-3	tr F	010	192.96	193.76	0.80	1	-			0.021					
			MF CONG	-	-	3-4	-	011	199.96	201.00	1.04	0.5	tr			0.002					
			MF CONG	-	w	4-5	tr F	012	201.00	202.10	1.10	0.5-1	-			0.006					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		degrees to ca. Sharp lower contact @ 20 degrees to ca. Note: likely lost core at 202.15m - 203.2m. All core was locked together and rotated for boxes 33 to 56, inclusive.																			
204.18	276.90	**ARGILLITE** Black aphanitic mudstones interbedded with grey fine-grained sandstones and sediments. Beds vary in width between 5mm and 23 cm. Cleavage is locally discernable (i.e., at ~233m) as ~36 degrees to ca. Bedding is variable: 5-11 degrees to ~211m, 65-21 degrees to ca from ~211-213m, 8-19 degrees from ~213-219m, ~30-44 degrees at 219-~224m, 224-240m: 43-65 degrees to ca. Downhole fo ~240m, bedding varies between 18 and 33 degrees to ca. Downhole of ~267, bedding steepens to ~33 to 47 degrees to ca. ~250.53 - 252.80m: "blonde" argillite. Pale yellowish beige with ~3-5% dark blueish grey quartz-carbonate veinlets (blebby, granular) that feature stronger localized alteration haloes (brighter yellow colour) and fine-grained subhedral pyrite disseminations/wisps that are closely proximal to them (stringers are parallel to bedding at 35 degrees to ca). 252.80 - 254.60m: Chloritic partially sheared dyke? - Medium to dark green that features ~10-15% pale blue-hued grey quartz-carbonate blebby veinlets, parallel to fabric at 28 degrees to ca between 252.80 - 254.1m. Veining is barren - local trace fine-grained pyrite observed in one veinlet, as noted on core in photo at 252.58m. Downhole of 254.1m, fabric intensity quickly decreases and appears as weakly chloritic, trace to nil veining and no observed sulfides. Weakly defined	ARG	-	-	2-3	-	013	250.53	251.10	0.57	-	-			0.002						
			BLANK	N/A	N/A	N/A	N/A	014	251.10	251.00	-0.10	N/A	N/A			0.002					
			ARG	-	w	4-5	tr F	015	251.10	251.80	0.70	tr	-			0.002					
			ARG	-	w-m	5-6	w F	016	251.80	252.80	1.00	0.5-1	-			0.002					
			ARG	-	-	25-28	-	017	276.00	276.90	0.90	tr	-			0.002					
			STD	N/A	N/A	N/A	N/A	018	276.90	276.90	0.00	N/A	N/A			2.700					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-048

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		lower contact @ 30 degrees to ca. Entire interval is soft when scratched with scribe. 276.0 - 276.90m: Stockwork white quartz-carbonate veinlets at lower contact of argillite. ~25-28% white quartz-carbonate veinlets variably oriented at 50-55 degrees to ca (~3-5mm wide), thinner stringers (<1mm wide) dipping in opposite direction at 25-35 degrees to ca. Local low-angle ~5mm wide white quartz-carbonate veinlet at 12 degrees to ca locally offsets a 50-55 deg veinlet by 3mm. Trace fine-grained clots of pyrite occur within 20 degree white quartz-carbonate veinlet ~3-4mm wide along upper contact. Small fine-grained blebs of pale rose pink-coloured carbonate mineral are common throughout matrix and some veinlets, as well as dark green clots of chlorite. Matrix is strongly silicified and takes on deep mauve-hued grey colour. (Note: no missing core at 240m despite partially empty box (#50) - logger measured out adjacent tags and confirmed. Only partially filled because driller prematurely brought out box). Intermittent fine- to very coarse-grained blebs of yellow pyrite and less commonly, fine- to medium-grained suhedral individual grains scattered intermittently throughout the bedding. Local crenulations. ~2-3% wispy white quartz-carbonate stringers occur at various orientations, both cross-cutting and parallel to bedding. Local veinlets as wide as 7 cm and are oriented at 53-55 degrees to ca (white quartz-carbonate, no sulfides and contain minor wisps of dark green chlorite). Irregular lower contact defined by stockwork veining at ~25 degrees to ca.																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-048

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
276.90	300.00	**ULTRAMAFIC** Moderate bleaching/chlorite alteration at 276.9 - 279.57m - lighter grey ish green in colour compared to rest of unit. Non-magnetic, soft when scratched with scribe (cannot scratch with fingernail). No sulfides observed. Downhole of ~277.60m, is pervasive subrounded brecciation (clast-supported, fragments as wide as 5.5cm by 6cm). Dark blackish green is interstitial to the breccia fragments, with local subordinate white carbonate. Dark blackish green massive matrix, no significant white carbonate veining until downhole of ~295m. Between 279.57 - 295m, unit takes on paler, mottled/patchy dark/light grey colour due to stronger talc alteration/bleaching. Downhole of ~295m, matrix appears more strongly serpentinized due to blackish colour and soapy feel; this interval is ribboned with ~8-10% barren wispy white carbonate stringers/narrow veinlets. The darker part of the unit seems softer to scratch with the scribe relative to the bleached interval. Entire unit is non-magnetic. No sulfides observed. EOH @ 300m.																			

Printed: August 4, 2022

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	HR1008			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Hole added after felsite intersected in OG22-048. Used DeviShot as downhole survey tool. One round barrel used. Last hole in Feb-March 2022 program.
HOLE NO.:	OG22-049	LENGTH (m):	273.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362055.000	EASTING:	470335.000	COLLAR SURVEY BY: DeviCo Rig Aligner	
SECTION:	TZ_1200W	ZONE:	Thomas Ogden	ELEVATION (m):	300.000	DRILLING COMPANY: DrillCo	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	335.0 / -59.5	SURVEYED:	335.100 / -59.685	DATE LOGGED: Mar. 22, 2022 TO Mar. 30, 2022	Core Storage: Polk Farm
HOLE STARTED:	March 21, 2022	HOLE FINISHED:	March 23, 2022	MAG:	10.75º w	LOGGED BY: S.Huebert	Page 1 of 12

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n Index Carb	Alb	%Qtz	Ser	SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	18.00	**CASING**																			

DeviShot Data

Depth (m) In/Out	Az (deg) (Raw)	Az (deg) (Corrected)	Dip (deg)	Northing (m)	
33.0m	344.53	334.37	-58.57	0.00	IN
84.0m	350.08	339.92	-58.50	0.00	IN
138.0m	349.73	339.57	-58.39	0.00	IN
189.0m	349.26	339.10	-58.27	0.00	IN
240.0m	349.90	339.74	-58.04	0.00	IN

EOH

QA/QC Samples:

OG22-049-019: BLANK
OG22-049-029: STD (CDN-CM-44)

18.00 199.00 **MAFIC-INTERMEDIATE TUFF**

Deloro Assemblage. Medium to dark green, fine grained with a gritty texture. Unit is relatively competent with minor fracturing. Weak to locally moderate foliation @33-47 deg to c.a. with horneblende clots (1-3mm) aligned parallel to foliation. Locally flattens downhole of ~54m. Occassional white quartz veins (2-5mm) predominantly @ 10-20 deg. Ovoid-shaped white quartz

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-049

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		blebs/pods also occur intermittently. Local small vugs and dark green chloritic wisps common. No sulfides observed therein. To c.a. Local pale pink-hued quartz-carbonate vein @ 34.63-34.87m @ 68 degrees to ca (local small vugs, no sulfides observed in vein). Locally grades to dacitic in composition. Relatively unaltered and unmineralized and non-magnetic. Local rusty ochre coloured gossan staining along odd joint/fracture. Unit becomes more foliated near lower contact. Relatively sharp lower contact @40 deg to tca with associated strong foliation. Not a single grain of pyrite or any other sulfide observed. 58.43 - 58.95m: Chlorite schist-like interval - Very strongly foliated, dark green, fine-grained with pervasive ~25-30% white carbonate <1cm wide veinlets parallel to fabric @ 20 degrees to ca (locally flattens so sub-parallel to ca). - Non-magnetic. - No sulfides observed - Sharp upper and lower degrees at 10 and 20 degrees to ca, respectively. 59.5 - ~61m: Strong salmon pink alkalic alteration. Moderately hard when scratched with scribe. 63.3 - 66.45m: Same strong salmon pink alkalic alteration. Also moderately hard when scratched with a scribe. 108.1 - 111.7m: strong cream-peach hued to salmon pink-hued alteration grades out towards lower part of interval. From ~109.5 downhole, fabric is generally flat @ 10 to 13 degrees to ca, and oscillates between fabric orientations of ~0-7 degrees to ca. From ~126.8 - ~158m: pervasive reddish micaceous alteration																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

grades in and out, in terms of weak to moderate intensity. Core angles undulate from ~13-40 degrees (locally for a couple of inches at ~129.2m, fabric steepens to 83 degrees before suddenly flattening and maintaining a shallow angle of 2-8 degreees for rest of interval.

From ~144 to ~157m, reddish salmon pink hued moderately intense alteration grades in and out in terms of intensity. Likely potassic and/or hematite alteration. Core gently undulates so sub-parallel to core axis.

~157 - ~160.90m: Moderate to strong reddish hematite/potassic alteration - foliation shows more variable apexes/troughs along undulation parallel to long axis of core. Local weak dark green chlorite with very minor pale yellow sericite wisps (conformable to host rock fabric). No sulfides observed in this interval. ~7-9% blebby white discontinuous (barren) quartz-carbonate lenses occur conformable to weakly folded fabric. Rare small vug within odd quartz-carbonate lense. Local crenulations.

~160.9 - ~176m: core angles still fairly flat and gently undulate along core axis - variably weak hematite/potassic alteration.

~176 - 199m: Do not observe any more reddish hematite/potassic alteration. Unit takes on green colour due to weak chloritization. Trace pale yellow sericite wisps. ~5% white blebby barren quartz-carbonate veinlets at 20-30 degrees to ca (crosscutting host rock fabric) up to 3.8 cm wide and at 40-50 degrees to ca (sub-parallel to host rock fabric). No sulfides observed. Core angles steepen from ~70 degrees at 176m, to 58 degrees @ ~181.5m, to 37-43 degrees between 186.4 - ~190.5m. From 190.5 - 199m, there are local crenulations and foliation varies between 82 and 68 degrees to ca.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Gradational lower contact (notice interbedded foliated tuff intervals as wide as ~15 cm between 199.0 and 199.63m. Fabric in this interval is @ ~72 degrees to ca.																			
199.00	234.05	**CHLORITE SCHIST** This is an extremely foliated unit that resembles the way an ultramafic gets foliated and ribboned by ~20-23% white qtz/felds/carb veinlets/discontinuous lenses conformable to host rock fabric. The unit has undergone strong chlorite alteration. Compared to the five TOG holes drilled in this program (March-April 2022), this chlorite schist interval is significantly less strongly mineralized and altered. It lacks the intermittent moderate to strong fuchsite and contains only nil to trace fine-grained pyrite (disseminations and local ~5mm band oriented parallel to fabric @ 67 degrees to ca). Local pyrite blebs within 2mm wide white quartz-carbonate stringer oriented at 43 degrees to ca (crosscutting fabric). This interval also lacks the basal sub-unit with the mottled/gritty appearance. Parts of the unit are slightly darker with slight serpentine alteration and a typical peridotite specked appearance. The unit is intruded fairly heavily by white quartz/felds/carb stringers at random angles to ca. Strongly developed foliation varies between 58 and 72 degrees to ca. Fabric oriented at 61-65 degrees to ca by ~226m. Abrupt increase in pale cream-light grey carbonate veining @ 227.89 - 229.04m (~40-45%) - no sulfides observed within this interval. 229.3 - 229.71m: gritty texture - resembles basal ultramafic sub-unit (lacks pinkish veinlets/blebs). Sharp upper and lower contacts @ 75 and 78 degrees to ca, respectively. Local fine-	CHL SCH	-	-	1-2	-	001	229.30	230.25	0.95	tr	tr			0.002						
			CHL SCH	-	-	7-10	-	002	230.25	230.63	0.38	1-2	1			0.002						
			CHL SCH	-	-	7-10	-	003	230.63	231.80	1.17	tr	-			0.002						
			CHL SCH	-	-	7-10	-	004	231.80	233.00	1.20	tr	-			0.002						
			CHL SCH	-	-	7-10	-	005	233.00	234.05	1.05	tr	-			0.002						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		grained 1-2mm wide arsenopyrite stringer near upper and lower contacts, oriented @ 65-68 degrees to ca. 229.71 - 234.05m: Ultramafic transition zone - dark blackish green matrix ribboned with white carbonate-quartz veining reflecting plastic deformation. Relatively soft when scratched with scribe - can faintly scratch with fingernail. Very slight soapy feel to core. Weakly serpentine- and talc-altered. Trace fine- to medium-grained subhedral pyrite disseminations. Trace very fine-grained arsenopyrite disseminations. Fabric highly variable until after ~232.0m. Fabric varies after this point between 50 and steepens to 75 degrees to ca towards lower contact. Non-magnetic. Sharp lower contact @ 83 degrees to ca.																			
234.05	248.68	**CONGLOMERATE** Most of unit appears as a medium greyish green fine-grained matrix with ~20-30% felsic clasts - locally variable in terms of concentration. Can discern ~30% fine-grained equant medium grey/translucent quartz porphyroblasts scattered throughout the matrix. Moderately to strongly elongated/sheared fabric. Clasts have stretching ratio of 4.5cm long by 3mm wide. Unit features local mafic conglomerate intervals as well as a minor blonde conglomerate zone. <1-2% white wispy quartz-carbonate stringers, generally barren. <5mm wide stringers mostly crosscut host rock fabric at 30-33, 48-63, 70-85 degrees to ca. Barren white carbonate ~1mm wide stringers oriented at 20 and 35 degrees to ca commonly feature a localized pale yellow albitization halo. Overall, very weak albite (localized) alteration, aside from	CONG	w	m	0	-	006	234.05	234.72	0.67	0.5	tr			0.180					
			CONG	-	v.wk	1-2	-	007	234.72	235.38	0.66	tr-0.5	tr			0.022					
			CONG	-	v.wk	0.5-1	-	008	235.38	236.21	0.83	0.5	tr			0.006					
			CONG	-	-	0.5-1	-	009	236.21	237.00	0.79	tr	tr			0.002					
			CONG	-	v.wk	0.5	-	010	237.00	237.39	0.39	0.5	tr			0.005					
			CONG	-	v.wk	0.5-1	-	011	237.39	238.13	0.74	tr	tr			0.002					
			CONG	-	v.wk	0.5	-	012	238.13	238.73	0.60	tr	tr			0.002					
			MF CONG	-	-	1-2	-	013	238.73	239.80	1.07	0.5-1	tr			0.002					
			CONG	-	w	4-5	-	014	239.80	240.33	0.53	2-3	tr-.5			0.002					
			MF CONG	-	-	1-2	-	015	240.33	241.33	1.00	0.5-1	tr			0.002					
			MF CONG	-	-	1-2	-	016	241.33	241.89	0.56	0.5-1	tr-.5			0.002					
			CONG	-	v.wk	0.5-1	-	017	241.89	243.00	1.11	tr-.5	tr			0.002					
			CONG	-	v.wk	0.5-1	-	018	243.00	244.00	1.00	-	tr			0.002					
			BLANK	N/A	N/A	N/A	N/A	019	244.00	244.00	0.00	N/A	N/A			0.002					
			CONG	-	v.wk	0.5-1	-	020	244.00	245.00	1.00	tr	tr			0.002					
			CONG	-	v.wk	0.5-1	-	021	245.00	246.00	1.00	tr	-			0.002					
			CONG	-	v.wk	0.5	-	022	246.00	246.74	0.74	tr	-			0.002					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-049

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		234.05-234.72m (described in detail below). Local/intermittent dark green chloritic alteration manifests as bands/patches. Moderate to dark green chloritization at 237.0 - 237.39m (slightly softer when scratched with scribe compared to rest of unit). (This interval features elongate white quartz-carbonate blebs with tapered ends that host fine-grained pyrite and grey quartz blebs that host very fine-grained stubby arsenopyrite); pyrite also occurs in local abundance as scattered grains throughout chloritic matrix. Trace wisp of bright to pale yellow sericite occurs intermittently in matrix. Possible trace fine-grained black tourmaline? grains closely proximal to pyrite band @ 235.6m. Cannot discern a cleavage of the grains. Overall, weakly mineralized with trace to ~1% very fine- to fine-grained subhedral to euhedral cubic pyrite disseminations scattered throughout the matrix locally, and wisps (discontinuous, up to ~4cm long x ~0.5mm wide and oriented parallel to fabric at ~77-79 degrees to ca). Local coarser medium-grained subhedral pyrite typically manifests as narrow bands (hosted within white quartz-carbonate veinlet) oriented at 78 degrees to ca (sub-parallel to fabric). Very fine- to fine-grained arsenopyrite occurs in trace abundance, overall. Arsenopyrite occurs in localized clusters of stubby crystals, often hosted within the conglomerate matrix, closely proximal to felsic or chloritic clasts. It seems acicular arsenopyrite is subordinate to the stubby texture (occasionally occur together). 234.05 - 234.72m: Moderate to weak caramel-beige coloured albite and Fe carbonate alteration, and weak silicification, decreases in alteration intensity from start of interval towards lower contact. After this interval, alteration suddenly grades into low to nil alteration intensity. ~5-8% dark green chloritic clasts occur intermittently throughout unit, oriented parallel to fabric of host rock @ 78-82 degrees to ca. Overall, very weak to weak	CONG	-	v.wk	0.5	-	023	246.74	247.46	0.72	tr	-			0.002						
			CONG	-	v.wk	0.5	-	024	247.46	248.05	0.59	tr	-			0.002						
			CONG	-	-	0.5	-	025	248.05	248.68	0.63	tr	-			0.002						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-049

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

pyrite and lesser arsenopyrite mineralization. Local discontinuous discrete fine-grained pyrite wisps <2cm long flank these chlorite clasts. Local very fine- to fine-grained stubby arsenopyrite observed in association with odd mm-wide dark green chlorite stringer. No significant veining in this interval.

234.72 - 238.73m: Greenish grey fine-grained matrix (refer to general description of unit at top).
- local broken up/jointed intervals @ 237.86 - 238.51m (and re-drilled core at ~236.8 - 237.0m).

238.73 - 239.80m: Mafic Conglomerate
- Dark green pervasive chloritic clasts appear so strongly attenuated that no tapered ends can be discerned - instead, they appear as continuous bands between 2 and 8mm wide, defining a strongly developed fabric at 68-70 degrees to ca. ~0.5-1% fine- to medium-grained subhedral pyrite frequently occurs as spaced disseminations clustered between chloritic bands or as continuous stringers <0.5mm wide, also parallel to host rock fabric. <1% dark grey quartz lenses/pods sub-parallel to host rock fabric occasionally host very fine-grained arsenopyrite or pyrite within them. The more ovoid-shaped lenses feature a localized concentration of a reddish burgundy-coloured carbonate mineral (i.e., ~at 239.19m) at their centre (fine-grained pyrite occurs along contacts, but not within reddish carbonate mineral patch).

239.80 - 240.33m: Mineralized Intermediate Dyke
- Mauve-hued grey intermediate dyke that is pervasively mineralized with very fine- to fine-grained subhedral-euhedral cubic pyrite and stubby to prismatic arsenopyrite grains scattered fairly uniformly throughout its siliceous matrix. This interval also features ~5-7% white quartz-carbonate veinlets oriented variably at 40, 48 and 73 degrees to ca and vary in

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-049

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)

width between 9mm and 2 cm. The 48 deg veinlet is locally crosscut by the 73 deg veinlet. No age implications can be ascertained for the 40 deg veinlet relative to the other veinlets. Veinlets are barren, regardless of orientation, but local veinlets features trace fine-grained cubic pyrite within their silicified alteration halo. mm-wide dark green chloritic selvages are common throughout the interval (and flank the 73 deg veinlets). The chloritic selvages/stringers are oriented variably at 40, 50, 72, and 78 degrees to ca, respectively.

- 240.1 - ~240.25m: local fold nose defined within chloritic inclusion - hinge oriented at 80 degrees to ca.

- Sharp upper and lower contacts @ 78 and 35 degrees to ca, respectively.

240.33 - 241.89m: Mafic Conglomerate
- similar to @ 238.73 - 239.80m. Also hosts trace fine-grained stubby arsenopyrite and intermittent <1-2mm wide pyrite stringers/bands oriented parallel to host rock fabric at 63-73 degrees to ca.
- local dark grey intermediate dykelet (barren) at 241.49 - 241.55m (sharp upper and lower contacts @ 59 and 63 degrees to ca, respectively).

- Local <0.5mm-wide pale grey carbonate tension gashes (barren) oriented at 39-40 degrees to ca, crosscutting fabric locally.

241.89 - 248.68m: Greenish grey fine-grained matrix (as described above - i.e., like at 234.72-238.73m).
- late brittle white carbonate <0.5mm wide infilled fractures crosscut fabric and are oriented at 20, 37, and 72 degrees to ca.
- main difference with interval earlier in unit: dark green chloritic

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-049

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		clasts appear less abundant and smaller in size (i.e., average here about ~3.1 cm long by 1mm wide; comprise about 15% of unit). Likewise, felsic clasts go from a near continuous band at the upper part of interval and seem to show less of a stretching ratio downhole (i.e., clasts average 2.3cm long by 3mm wide downhole of ~242.5m). Highly jointed/fractured at 239.38 - ~241.15m (est. RQD @ 5%). At least one main joint set at 60-67 degrees (fractures also at ~40-45 degrees and ~10-12 degrees to ca, respectively). Downhole of ~246.74m, matrix appears slightly coarser with pervasive ~medium-grained pale cream-coloured feldspars and fine-grained grey quartz grains (the former seems more abundant than the latter). Feldspars appear slightly elongate so parallel to weak-moderate fabric at 62 degrees to ca. Trace to nil fine- to medium-grained pyrite. Trace fuchsite wisps observed at ~247.3m. 248.05 - 248.68m: ghosted interval with local faintly discernable clast. Darker grey in colour. Can scratch with scribe. Sharp lower contact @ 70 degrees to ca.																			
248.68	251.80	**MAFIC CONGLOMERATE** Closely resembles 238.73 - 239.80m and 240.33 - 241.89m. Dark green pervasive chloritic clasts do not appear as strongly attenuated as previous. Clasts on average have dimensions of ~4.5cm by 7mm wide (appear more stretched at contacts where they resemble mm-wide continuous bands). ~0.5-1% fine-grained subhedral pyrite frequently occurs as disseminations	MF CONG	-	-	0.5	-	026	248.68	249.13	0.45	tr	-			0.002						
			MF CONG	-	-	0.5	-	027	249.13	249.75	0.62	tr	-			0.002						
			MF CONG	-	-	1-2	-	028	249.75	250.50	0.75	0.5-1	tr+Po			0.005						
			STD	N/A	N/A	N/A	N/A	029	250.50	250.50	0.00	N/A	N/A			1.360						
			MF CONG	-	-	1-2	-	030	250.50	251.44	0.94	tr-.5	-			0.002						
			MF CONG			0.5		031	251.44	251.80	0.36	tr	-			0.002						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-049

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		locally interstitial to clasts. 12-16% white blebby quartz-carbonate occurs interstitially to clasts. 249.75 - 251.44m: more closely resembles 238.73 - 239.80m and 240.33 - 241.89m, in terms of sulfide textures and appearance/stretching ratio of chloritic clasts. Fabric here is at ~65 degrees to ca. Conglomerate that resembles previous unit occurs at 249.13 - 249.75m (sharp upper and lower contacts @ 59 and 68 degrees to ca, respectively). Fabric at 65 degrees to ca. Stretching ratio of felsic clasts at ~2.5cm by 3mm.Trace to nil fine-grained pyrite. 251.44 - 251.67m looks like at 249.13-249.75m. Sharp upper contact at 58 degrees to ca (gradational, diffusive lower contact). Local slickenlines at 250.95m along joint plane. Non-magnetic. Sharp lower contact @ 63 degrees to ca.																			
251.80	273.00	**ARGILLITE** Beds varies in width between 4mm and ~2 cm wide; seems to be dominantly aphanitic black mudstones. Can locally faintly discern a cleavage at 48-50 degrees to ca. Local pale yellow sericite wisp flanks odd white quartz-carbonate (barren) veinlet. No notable alteration otherwise. Pyrite content seems to slightly increase and more mm-wide pyrite stringers are present in black, or mudstone-dominant intervals. Local coarse-grained pyrite blebs scattered throughout bedding. ~4-5% wispy white quartz-carbonate stringers <3-5mm wide generally parallel to bedding (odd stringers crosscut at 30-35 degrees to ca and	ARG	-	-	1-2	-	032	251.80	252.82	1.02	0.5-1	-			0.002					
			ARG	-	-	2-3	-	033	252.82	253.94	1.12	0.5-1	-			0.002					
			ARG	-	-	3-4	-	034	253.94	254.67	0.73	0.5-1	tr Po			0.002					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-049

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		sometimes contain minor pyrite). Blebbier veinlets/pods can be as wide as 1.5-3 cm wide and both crosscut and are parallel to bedding. Locally @ 261.78 - 262.13m: RQD is 0% due to weak shearing (thickly disc'd), oriented at 55 degrees to ca. Trace pyrite bleb, parallel to fabric. Micro-s-folds defined by white quartz-carbonate blebs. Bedding ranges in orientation from 15 degrees to ca (near upper contact) to 77 degrees by ~252.6m. Bedding at ~255 - 259m is oriented at ~73 to 67 degrees to ca. Between ~260 and 273m, bedding shallows gradually from 70 degrees at ~260.5m to 50 degrees at ~263.5m, to 35 degrees at ~269.4m, to 48 degrees at ~272.0m. Trace to <0.5% fine-grained pyrite blebs, often slightly elongated along the bedding direction scattered throughout the bedding intermittently. Blebs often up to 1.5 cm long by 2-3mm wide. ~4-5% white to clear/light grey quartz-carbonate lenses/narrow veinlets mostly conformable to bedding, usually <5mm wide. Odd white carbonate stringer ~1-2mm wide hosts minor pyrite blebs, also parallel to bedding. Local white quartz-carbonate ~3-5mm wide stringers crosscut bedding at 25 degrees to ca and host minor fine-grained pyrite; also crosscut local barren stringers parallel to bedding. At ~254.5 - 254.6m: white quartz-carbonate veinlet (~1.5 cm wide) oriented at 33 degreees to ca, contains trace medium-grained bleb of pyrrhotite. 260.3 m- 273.0m: lighter grey sediments (intervals noted below) interbedded with black aphanitic mudstones. All lighter grey intervals are barren and contain no sulfides/significant																				

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: S.Huebert SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG22-049

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		alteration/veining. - 270.60 - 270.66m: upper/lower contacts @ 50 and 49 degrees to ca, respectively. - 270.85 - 271.06m: upper/lower contacts @ 54 and 50 degrees to ca, respectively. - 271.15 - 271.79m: upper/lower contacts @ 55 and 47 degrees to ca, respectively. - 272.38 - 272.77m: upper/lower contacts @ 45 and 68 degrees to ca, respectively. EOH @ 273.0m. (Note: as discussed with D.Heerema, hole shut down upon seeing last couple of boxes at Dalton landing were in very weakly mineralized argillite (geo/logger saw boxes up to and including box 38. Drillers were given permission to drill another box (#39) while core was assessed - only one person could ride in the Marooka to get to the drill, so geo reviewed core at the landing).																				

Printed: August 4, 2022

APPENDIX III

ASSAY CERTIFICATES

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-20489**
Report Date: **07-Dec-21**
Date Submitted: **29-Oct-21**
Your Reference: **Oct 29/21**

Metals Creek Resources
93 Edinburgh Ave.
Gander NL A1V 19C
Canada

ATTN: D Hereema

CERTIFICATE OF ANALYSIS

266 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins	QOP AA-Au (Au - Fire Assay AA)	2021-11-30 09:56:25
1A3-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-12-01 22:23:08
1A4 (100mesh)-Timmins	QOP AA-Au (Au-Fire Assay-Metallic Screen-500g)	2021-12-07 15:38:31

REPORT **A21-20489**

Notes:

A representative 500 gram split is seived at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

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

Footnote: Insufficient material for 1A3 analysis on the following samples:TOG-21-069-028,TOG-21-069-058,TOG-21-064-029,TOG-21-064-119.

SCC Accredited LAB Accrédité CCN TM

LabID: 709

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-21-069-001	74								
TOG-21-069-002	5								
TOG-21-069-003	7								
TOG-21-069-004	82								
TOG-21-069-005	396								
TOG-21-069-006	9								
TOG-21-069-007	77								
TOG-21-069-008	7								
TOG-21-069-009	37								
TOG-21-069-010	48								
TOG-21-069-011	96								
TOG-21-069-012	> 5000	5.08	39.7	2.74	3.15	4.07	15.23	480.29	495.52
TOG-21-069-013	461								
TOG-21-069-014	195								
TOG-21-069-015	292								
TOG-21-069-016	55								
TOG-21-069-017	265								
TOG-21-069-018	52								
TOG-21-069-019	7								
TOG-21-069-020	516								
TOG-21-069-021	631								
TOG-21-069-022	324								
TOG-21-069-023	581								
TOG-21-069-024	320								
TOG-21-069-025	1990	2.03							
TOG-21-069-026	274								
TOG-21-069-027	1040	0.97							
TOG-21-069-028	3060								
TOG-21-069-029	321								
TOG-21-069-030	2180	2.16							
TOG-21-069-031	119								
TOG-21-069-032	28								
TOG-21-069-033	< 5								
TOG-21-069-034	19								
TOG-21-069-035	< 5								
TOG-21-069-036	18								
TOG-21-069-037	> 5000	12.5	11.2	12.7	12.6	12.6	15.53	468.76	484.29
TOG-21-069-038	14								
TOG-21-069-039	5								
TOG-21-069-040	883								
TOG-21-069-041	56								
TOG-21-069-042	26								
TOG-21-069-043	6								
TOG-21-069-044	73								
TOG-21-069-045	98								
TOG-21-069-046	< 5								
TOG-21-069-047	< 5								
TOG-21-069-048	5								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-21-069-049	6								
TOG-21-069-050	8								
TOG-21-069-051	8								
TOG-21-069-052	17								
TOG-21-069-053	11								
TOG-21-069-054	1450	1.43							
TOG-21-069-055	9								
TOG-21-069-056	7								
TOG-21-069-057	< 5								
TOG-21-069-058	1460								
TOG-21-069-059	5								
TOG-21-069-060	11								
TOG-21-069-061	8								
TOG-21-069-062	7								
TOG-21-069-063	5								
TOG-21-069-064	5								
TOG-21-069-065	10								
TOG-21-069-066	8								
TOG-21-069-067	7								
TOG-21-069-068	20								
TOG-21-069-069	19								
TOG-21-069-070	10								
TOG-21-069-071	5								
TOG-21-069-072	< 5								
TOG-21-069-073	< 5								
TOG-21-069-074	6								
TOG-21-069-075	47								
TOG-21-069-076	7								
TOG-21-069-077	10								
TOG-21-069-078	8								
TOG-21-069-079	6								
TOG-21-069-080	7								
TOG-21-069-081	19								
TOG-21-069-082	19								
TOG-21-069-083	6								
TOG-21-069-084	22								
TOG-21-069-085	< 5								
TOG-21-069-086	< 5								
TOG-21-069-087	8								
TOG-21-069-088	42								
TOG-21-069-089	1150	1.15							
TOG-21-069-090	101								
TOG-21-069-091	476								
TOG-21-069-092	1870	1.85							
TOG-21-069-093	> 5000	5.16	18.7	4.76	5.06	5.61	22.46	418.16	440.62
TOG-21-069-094	> 5000	10.3	32.2	9.27	9.64	11.0	32.58	457.94	490.52
TOG-21-069-095	16								
TOG-21-064-001	< 5								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-21-064-002	< 5								
TOG-21-064-003	< 5								
TOG-21-064-004	< 5								
TOG-21-064-005	< 5								
TOG-21-064-006	< 5								
TOG-21-064-007	31								
TOG-21-064-008	6								
TOG-21-064-009	35								
TOG-21-064-010	93								
TOG-21-064-011	< 5								
TOG-21-064-012	< 5								
TOG-21-064-013	< 5								
TOG-21-064-014	< 5								
TOG-21-064-015	< 5								
TOG-21-064-016	< 5								
TOG-21-064-017	< 5								
TOG-21-064-018	54								
TOG-21-064-019	8								
TOG-21-064-020	86								
TOG-21-064-021	< 5								
TOG-21-064-022	7								
TOG-21-064-023	15								
TOG-21-064-024	74								
TOG-21-064-025	409								
TOG-21-064-026	417								
TOG-21-064-027	1380	1.38							
TOG-21-064-028	14								
TOG-21-064-029	1350								
TOG-21-064-030	57								
TOG-21-064-031	64								
TOG-21-064-032	39								
TOG-21-064-033	22								
TOG-21-064-034	236								
TOG-21-064-035	347								
TOG-21-064-036	59								
TOG-21-064-037	34								
TOG-21-064-038	23								
TOG-21-064-039	< 5								
TOG-21-064-040	19								
TOG-21-064-041	29								
TOG-21-064-042	26								
TOG-21-064-043	80								
TOG-21-064-044	54								
TOG-21-064-045	24								
TOG-21-064-046	49								
TOG-21-064-047	42								
TOG-21-064-048	35								
TOG-21-064-049	< 5								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-21-064-050	41								
TOG-21-064-051	26								
TOG-21-064-052	162								
TOG-21-064-053	85								
TOG-21-064-054	425								
TOG-21-064-055	913								
TOG-21-064-056	223								
TOG-21-064-057	774								
TOG-21-064-058	572								
TOG-21-064-059	> 5000	4.72							
TOG-21-064-060	989								
TOG-21-064-061	2600	2.60							
TOG-21-064-062	2640	2.47							
TOG-21-064-063	> 5000	9.83	14.2	6.03	5.97	6.53	31.78	455.58	487.36
TOG-21-064-064	386								
TOG-21-064-065	351								
TOG-21-064-066	114								
TOG-21-064-067	513								
TOG-21-064-068	25								
TOG-21-064-069	< 5								
TOG-21-064-070	53								
TOG-21-064-071	129								
TOG-21-064-072	66								
TOG-21-064-073	60								
TOG-21-064-074	277								
TOG-21-064-075	56								
TOG-21-064-076	83								
TOG-21-064-077	29								
TOG-21-064-078	9								
TOG-21-064-079	9								
TOG-21-064-080	12								
TOG-21-064-081	8								
TOG-21-064-082	68								
TOG-21-064-083	6								
TOG-21-064-084	24								
TOG-21-064-085	245								
TOG-21-064-086	91								
TOG-21-064-087	483								
TOG-21-064-088	358								
TOG-21-064-089	2920	2.23							
TOG-21-064-090	82								
TOG-21-064-091	< 5								
TOG-21-064-092	7								
TOG-21-064-093	5								
TOG-21-064-094	102								
TOG-21-064-095	667								
TOG-21-064-096	8								
TOG-21-064-097	456								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-21-064-098	86								
TOG-21-064-099	1340	1.35							
TOG-21-064-100	163								
TOG-21-064-101	2100	2.03							
TOG-21-064-102	45								
TOG-21-064-103	39								
TOG-21-064-104	32								
TOG-21-064-105	210								
TOG-21-064-106	39								
TOG-21-064-107	53								
TOG-21-064-108	8								
TOG-21-064-109	318								
TOG-21-064-110	1120	1.10							
TOG-21-064-111	1250	2.07							
TOG-21-064-112	36								
TOG-21-064-113	34								
TOG-21-064-114	384								
TOG-21-064-115	109								
TOG-21-064-116	< 5								
TOG-21-064-117	423								
TOG-21-064-118	108								
TOG-21-064-119	3130								
TOG-21-064-120	358								
TOG-21-064-121	12								
TOG-21-064-122	< 5								
TOG-21-064-123	< 5								
TOG-21-064-124	< 5								
TOG-21-064-125	18								
TOG-21-064-126	102								
TOG-21-064-127	834								
TOG-21-064-128	522								
TOG-21-064-129	692								
TOG-21-064-130	112								
TOG-21-064-131	221								
TOG-21-064-132	21								
TOG-21-064-133	< 5								
TOG-21-064-134	14								
TOG-21-064-135	< 5								
TOG-21-064-136	6								
TOG-21-064-137	13								
TOG-21-064-138	17								
TOG-21-064-139	5								
TOG-21-064-140	< 5								
TOG-21-064-141	6								
TOG-21-064-142	< 5								
TOG-21-064-143	< 5								
TOG-21-064-144	65								
TOG-21-064-145	< 5								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-21-064-146	3010	2.99							
TOG-21-064-147	9								
TOG-21-064-148	7								
TOG-21-064-149	< 5								
TOG-21-064-150	< 5								
TOG-21-064-151	7								
TOG-21-064-152	< 5								
TOG-21-064-153	< 5								
TOG-21-064-154	7								
TOG-21-064-155	< 5								
TOG-21-064-156	< 5								
TOG-21-064-157	5								
TOG-21-064-158	5								
TOG-21-064-159	73								
TOG-21-064-160	885								
TOG-21-064-161	162								
TOG-21-064-162	270								
TOG-21-064-163	2540	2.48							
TOG-21-064-164	1850	1.85							
TOG-21-064-165	56								
TOG-21-064-166	233								
TOG-21-064-167	171								
TOG-21-064-168	241								
TOG-21-064-169	13								
TOG-21-064-170	119								
TOG-21-064-171	295								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OREAS 229b (Fire Assay) Meas		12.0							
OREAS 229b (Fire Assay) Cert		11.9							
OREAS 229b (Fire Assay) Meas		11.9				12.0			
OREAS 229b (Fire Assay) Cert		11.9				11.9			
OREAS 239 (Fire Assay) Meas	3560								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3440								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3430								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3530								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3420								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3590								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3560								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3510								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3390								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3550								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 228b (Fire Assay) Meas	> 5000	8.52							
OREAS 228b (Fire Assay) Cert	8570	8.57							
OREAS 228b (Fire Assay) Meas		8.57				8.61			
OREAS 228b		8.57				8.57			

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
(Fire Assay) Cert									
Oreas E1336 (Fire Assay) Meas	498								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	504								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	507								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	508								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	528								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	511								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	499								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	497								
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								
Oreas E1336 (Fire Assay) Meas	525								
Oreas E1336 (Fire Assay) Cert	510								
TOG-21-069-007 Orig	77								
TOG-21-069-007 Dup	77								
TOG-21-069-012 Orig			39.7	2.74	3.15	4.07	15.23	480.29	495.52
TOG-21-069-027 Orig	977								
TOG-21-069-027 Dup	1100								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-21-069-037 Orig			11.2	12.7	12.6	12.6	15.53	468.76	484.29
TOG-21-069-047 Orig	5								
TOG-21-069-047 Dup	< 5								
TOG-21-069-050 Orig	8								
TOG-21-069-050 Split PREP DUP	12								
TOG-21-069-057 Orig	5								
TOG-21-069-057 Dup	< 5								
TOG-21-069-067 Orig	8								
TOG-21-069-067 Dup	6								
TOG-21-069-072 Orig	< 5								
TOG-21-069-072 Dup	< 5								
TOG-21-069-087 Orig	7								
TOG-21-069-087 Dup	9								
TOG-21-069-093 Orig			18.7	4.76	5.06	5.61	22.46	418.16	440.62
TOG-21-069-094 Orig			32.2	9.27	9.64	11.0	32.58	457.94	490.52
TOG-21-064-002 Orig	5								
TOG-21-064-002 Dup	< 5								
TOG-21-064-005 Orig	< 5								
TOG-21-064-005 Split PREP DUP	< 5								
TOG-21-064-016 Orig	< 5								
TOG-21-064-016 Dup	< 5								
TOG-21-064-031 Orig	59								
TOG-21-064-031 Dup	68								
TOG-21-064-041 Orig	31								
TOG-21-064-041 Dup	27								
TOG-21-064-046 Orig	47								
TOG-21-064-046 Dup	51								
TOG-21-064-055	913								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Orig									
TOG-21-064-055 Split PREP DUP	995								
TOG-21-064-056 Orig	189								
TOG-21-064-056 Dup	257								
TOG-21-064-063 Orig			14.2	6.03	5.97	6.53	31.78	455.58	487.36
TOG-21-064-071 Orig	126								
TOG-21-064-071 Dup	131								
TOG-21-064-087 Orig	496								
TOG-21-064-087 Dup	470								
TOG-21-064-097 Orig	422								
TOG-21-064-097 Dup	490								
TOG-21-064-105 Orig	210								
TOG-21-064-105 Split PREP DUP	137								
TOG-21-064-111 Orig	1280								
TOG-21-064-111 Dup	1300								
TOG-21-064-125 Orig	13								
TOG-21-064-125 Dup	23								
TOG-21-064-135 Orig	< 5								
TOG-21-064-135 Dup	18								
TOG-21-064-145 Orig	< 5								
TOG-21-064-145 Dup	< 5								
TOG-21-064-152 Orig	< 5								
TOG-21-064-152 Dup	< 5								
TOG-21-064-155 Orig	< 5								
TOG-21-064-155 Split PREP DUP	< 5								
TOG-21-064-161 Orig	163								
TOG-21-064-161 Dup	161								
TOG-21-064-168 Orig	240								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-21-064-168 Dup	241								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank		< 0.03							
Method Blank		< 0.03							
Method Blank	< 5								
Method Blank		< 0.03							
Method Blank		< 0.03							
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank						< 0.03			
Method Blank						< 0.03			

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-21079**
Report Date: **11-Jan-22**
Date Submitted: **09-Nov-21**
Your Reference:

Metals Creek Resources
1100 Memorial Ave.
Suite 329
Thunder Bay Ontario P7B 4A3
Canada

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

121 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-12-11 09:58:09
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-12-14 13:07:41
1A4 (100mesh)-Tbay	QOP AA-Au (Au-Fire Assay-Metallic Screen-500g)	2021-12-15 11:04:34

REPORT **A21-21079**

Notes:

A representative 500 gram split is seived at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

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

Footnote: Sample TOG21-065-029 and TOG21-065-089 were Insufficient for Further Analysis.

SCC Accredited LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG21-065-001	< 5								
TOG21-065-002	< 5								
TOG21-065-003	< 5								
TOG21-065-004	< 5								
TOG21-065-005	82								
TOG21-065-006	< 5								
TOG21-065-007	< 5								
TOG21-065-008	7								
TOG21-065-009	< 5								
TOG21-065-010	< 5								
TOG21-065-011	< 5								
TOG21-065-012	6								
TOG21-065-013	16								
TOG21-065-014	< 5								
TOG21-065-015	11								
TOG21-065-016	11								
TOG21-065-017	6								
TOG21-065-018	5								
TOG21-065-019	5								
TOG21-065-020	< 5								
TOG21-065-021	210								
TOG21-065-022	15								
TOG21-065-023	< 5								
TOG21-065-024	8								
TOG21-065-025	54								
TOG21-065-026	114								
TOG21-065-027	83								
TOG21-065-028	336								
TOG21-065-029	2960								
TOG21-065-030	> 5000	10.8	5.95	5.70	6.38	6.04	9.580	456.47	466.05
TOG21-065-031	1780	1.75							
TOG21-065-032	656								
TOG21-065-033	407								
TOG21-065-034	> 5000	8.54	8.66	2.15	2.15	2.42	14.66	338.38	353.04
TOG21-065-035	> 5000	7.86	8.35	2.79	2.62	3.37	19.15	143.22	162.37
TOG21-065-036	25								
TOG21-065-037	4180	4.82							
TOG21-065-038	> 5000	36.1	231	31.9	37.3	41.6	14.34	390.34	404.68
TOG21-065-039	2730	2.47							
TOG21-065-040	159								
TOG21-065-041	801								
TOG21-065-042	315								
TOG21-065-043	510								
TOG21-065-044	1210	1.19							
TOG21-065-045	1280	1.17							
TOG21-065-046	1010	1.16							
TOG21-065-047	568								
TOG21-065-048	12								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG21-065-049	115								
TOG21-065-050	5								
TOG21-065-051	63								
TOG21-065-052	16								
TOG21-065-053	25								
TOG21-065-054	30								
TOG21-065-055	< 5								
TOG21-065-056	< 5								
TOG21-065-057	112								
TOG21-065-058	6								
TOG21-065-059	4130	3.84							
TOG21-065-060	13								
TOG21-065-061	17								
TOG21-065-062	17								
TOG21-065-063	11								
TOG21-065-064	13								
TOG21-065-065	8								
TOG21-065-066	26								
TOG21-065-067	5								
TOG21-065-068	10								
TOG21-065-069	68								
TOG21-065-070	1940	1.85							
TOG21-065-071	2650	2.87							
TOG21-065-072	1650	1.58							
TOG21-065-073	18								
TOG21-065-074	26								
TOG21-065-075	46								
TOG21-065-076	< 5								
TOG21-065-077	34								
TOG21-065-078	103								
TOG21-065-079	10								
TOG21-065-080	188								
TOG21-065-081	42								
TOG21-065-082	246								
TOG21-065-083	64								
TOG21-065-084	120								
TOG21-065-085	36								
TOG21-065-086	7								
TOG21-065-087	8								
TOG21-065-088	33								
TOG21-065-089	1350								
TOG21-065-090	18								
TOG21-065-091	19								
TOG21-065-092	32								
TOG21-065-093	< 5								
TOG21-065-094	< 5								
TOG21-065-095	80								
TOG21-065-096	< 5								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG21-065-097	7								
TOG21-065-098	< 5								
TOG21-065-099	5								
TOG21-065-100	6								
TOG21-065-101	< 5								
TOG21-065-102	36								
TOG21-065-103	36								
TOG21-065-104	< 5								
TOG21-065-105	< 5								
TOG21-065-106	< 5								
TOG21-065-107	97								
TOG21-065-108	170								
TOG21-065-109	15								
TOG21-065-110	5								
TOG21-065-111	153								
TOG21-065-112	309								
TOG21-065-113	368								
TOG21-065-114	75								
TOG21-065-115	250								
TOG21-065-116	< 5								
TOG21-065-117	351								
TOG21-065-118	1040	1.15							
TOG21-065-119	3750	4.06							
TOG21-065-120	137								
TOG21-065-121	7								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OREAS 229b (Fire Assay) Meas		12.1				11.7			
OREAS 229b (Fire Assay) Cert		11.95				11.95			
OREAS 229b (Fire Assay) Meas		11.6							
OREAS 229b (Fire Assay) Cert		11.95							
OREAS 238 (Fire Assay) Meas	2920								
OREAS 238 (Fire Assay) Cert	3030								
OREAS 238 (Fire Assay) Meas	2900								
OREAS 238 (Fire Assay) Cert	3030								
OREAS 238 (Fire Assay) Meas	2930								
OREAS 238 (Fire Assay) Cert	3030								
OREAS 238 (Fire Assay) Meas	3000								
OREAS 238 (Fire Assay) Cert	3030								
OREAS 238 (Fire Assay) Meas	3030								
OREAS 238 (Fire Assay) Cert	3030								
OREAS 238 (Fire Assay) Meas	2990								
OREAS 238 (Fire Assay) Cert	3030								
OREAS 257b (Fire Assay) Meas		13.9				13.9			
OREAS 257b (Fire Assay) Cert		14.22				14.22			
OREAS 257b (Fire Assay) Meas		13.6							
OREAS 257b (Fire Assay) Cert		14.22							
Oreas E1336 (Fire Assay) Meas	491								
Oreas E1336 (Fire Assay) Cert	510.000								
Oreas E1336 (Fire Assay) Meas	496								
Oreas E1336 (Fire Assay) Cert	510.000								
Oreas E1336 (Fire Assay) Meas	494								
Oreas E1336 (Fire Assay) Cert	510.000								
Oreas E1336 (Fire Assay) Meas	519								
Oreas E1336 (Fire									

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Assay) Cert	510.000								
Oreas E1336 (Fire Assay) Meas	511								
Oreas E1336 (Fire Assay) Cert	510.000								
TOG21-065-010 Orig	< 5								
TOG21-065-010 Dup	< 5								
TOG21-065-020 Orig	< 5								
TOG21-065-020 Dup	< 5								
TOG21-065-030 Orig	> 5000		5.95	5.70	6.38	6.04	9.580	456.47	466.05
TOG21-065-030 Dup	> 5000								
TOG21-065-034 Orig			8.66	2.15	2.15	2.42	14.66	338.38	353.04
TOG21-065-035 Orig			8.35	2.79	2.62	3.37	19.15	143.22	162.37
TOG21-065-038 Orig			231	31.9	37.3	41.6	14.34	390.34	404.68
TOG21-065-045 Orig	1300								
TOG21-065-045 Dup	1250								
TOG21-065-050 Orig	5								
TOG21-065-050 Split PREP DUP	5								
TOG21-065-054 Orig	29								
TOG21-065-054 Dup	30								
TOG21-065-064 Orig	13								
TOG21-065-064 Dup	13								
TOG21-065-079 Orig	10								
TOG21-065-079 Dup	9								
TOG21-065-090 Orig	17								
TOG21-065-090 Dup	19								
TOG21-065-098 Orig	< 5								
TOG21-065-098 Dup	< 5								
TOG21-065-100 Orig	6								
TOG21-065-100 Split PREP DUP	10								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG21-065-106 Orig	< 5								
TOG21-065-106 Dup	< 5								
TOG21-065-113 Orig	382								
TOG21-065-113 Dup	353								
TOG21-065-121 Orig	7								
TOG21-065-121 Split PREP DUP	6								
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							
Method Blank						< 0.03			
Method Blank		< 0.03							
Method Blank	< 5								

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-19260**
Report Date: **27-Oct-21**
Date Submitted: **13-Oct-21**
Your Reference:

Metals Creek Resources
1100 Memorial Ave.
Suite 329
Thunder Bay Ontario P7B 4A3
Canada

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

105 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-10-19 21:18:06
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-10-22 20:22:02

REPORT **A21-19260**

Notes:

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

Footnote:Samples TOG-21-66-015 AND TOG-21-66-058 are missing. Samples TOG-21-67-029,TOG-21-68-018 insufficient standard for1A3.

SCC Accredited LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
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Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA-GRA
TOG-21-66-01	20	
TOG-21-66-02	566	
TOG-21-66-03	204	
TOG-21-66-04	43	
TOG-21-66-05	49	
TOG-21-66-06	< 5	
TOG-21-66-07	< 5	
TOG-21-66-08	< 5	
TOG-21-66-09	10	
TOG-21-66-010	185	
TOG-21-66-011	52	
TOG-21-66-012	136	
TOG-21-66-013	334	
TOG-21-66-014	< 5	
TOG-21-66-016	15	
TOG-21-66-017	66	
TOG-21-66-018	10	
TOG-21-66-019	< 5	
TOG-21-66-020	16	
TOG-21-66-021	6	
TOG-21-66-022	112	
TOG-21-66-023	34	
TOG-21-66-024	1550	1.34
TOG-21-66-025	216	
TOG-21-66-026	62	
TOG-21-66-027	38	
TOG-21-66-028	37	
TOG-21-66-029	87	
TOG-21-66-030	62	
TOG-21-66-031	488	
TOG-21-66-032	1430	1.44
TOG-21-66-033	2240	2.56
TOG-21-66-034	1180	1.24
TOG-21-66-035	5	
TOG-21-66-036	1160	1.17
TOG-21-66-037	1750	1.92
TOG-21-66-038	296	
TOG-21-66-039	360	
TOG-21-66-040	127	
TOG-21-66-041	898	
TOG-21-66-042	5	
TOG-21-66-043	427	
TOG-21-66-044	416	
TOG-21-66-045	42	
TOG-21-66-046	532	
TOG-21-66-047	56	
TOG-21-66-048	9	
TOG-21-66-049	< 5	
TOG-21-66-050	< 5	
TOG-21-66-051	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA-GRA
TOG-21-66-052	14	
TOG-21-66-053	82	
TOG-21-66-054	8	
TOG-21-66-055	85	
TOG-21-66-056	371	
TOG-21-66-057	1150	0.92
TOG-21-67-01	17	
TOG-21-67-02	< 5	
TOG-21-67-03	56	
TOG-21-67-04	434	
TOG-21-67-05	20	
TOG-21-67-06	18	
TOG-21-67-07	980	
TOG-21-67-08	48	
TOG-21-67-09	64	
TOG-21-67-010	194	
TOG-21-67-011	338	
TOG-21-67-012	493	
TOG-21-67-013	115	
TOG-21-67-014	102	
TOG-21-67-015	262	
TOG-21-67-016	19	
TOG-21-67-017	2160	1.86
TOG-21-67-018	1180	0.89
TOG-21-67-019	5	
TOG-21-67-020	337	
TOG-21-67-021	518	
TOG-21-67-022	742	
TOG-21-67-023	112	
TOG-21-67-024	1790	1.80
TOG-21-67-025	3850	3.52
TOG-21-67-026	2480	2.87
TOG-21-67-027	3010	3.29
TOG-21-67-028	76	
TOG-21-67-029	3120	
TOG-21-68-01	6	
TOG-21-68-02	18	
TOG-21-68-03	10	
TOG-21-68-04	862	
TOG-21-68-05	229	
TOG-21-68-06	397	
TOG-21-68-07	646	
TOG-21-68-08	< 5	
TOG-21-68-09	< 5	
TOG-21-68-010	< 5	
TOG-21-68-011	13	
TOG-21-68-012	45	
TOG-21-68-013	69	
TOG-21-68-014	41	
TOG-21-68-015	11	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA-GRA
TOG-21-68-016	5	
TOG-21-68-017	< 5	
TOG-21-68-018	1420	

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 229b (Fire Assay) Meas		11.9
OREAS 229b (Fire Assay) Cert		11.9
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	2250	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2230	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2220	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2220	
Oreas 237 (Fire Assay) Cert	2210	
OREAS 257b (Fire Assay) Meas		14.9
OREAS 257b (Fire Assay) Cert		14.2
OREAS 257b (Fire Assay) Meas		13.5
OREAS 257b (Fire Assay) Cert		14.2
Oreas E1336 (Fire Assay) Meas	514	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	506	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	510	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	515	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	508	

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	514	
Oreas E1336 (Fire Assay) Cert	510	
TOG-21-66-010 Orig	169	
TOG-21-66-010 Dup	200	
TOG-21-66-020 Orig	9	
TOG-21-66-020 Dup	22	
TOG-21-66-031 Orig	511	
TOG-21-66-031 Dup	464	
TOG-21-66-046 Orig	530	
TOG-21-66-046 Dup	534	
TOG-21-66-050 Orig	< 5	
TOG-21-66-050 Split PREP DUP	< 5	
TOG-21-66-055 Orig	75	
TOG-21-66-055 Dup	94	
TOG-21-67-023 Orig	99	
TOG-21-67-023 Dup	124	
TOG-21-68-013 Orig	69	
TOG-21-68-013 Split PREP DUP	76	
TOG-21-68-015 Orig	11	
TOG-21-68-015 Dup	10	
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
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-21318**
Report Date: **21-Dec-21**
Date Submitted: **12-Nov-21**
Your Reference:

Metals Creek Resources
1100 Memorial Ave.
Suite 329
Thunder Bay Ontario P7B 4A3
Canada

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

18 Crushed Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-12-14 11:48:48

REPORT **A21-21318**

Notes:

SCC Accredited LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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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

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.03
Method Code	FA-GRA
TOG21-065-030	9.75
TOG21-065-031	1.54
TOG21-065-032	0.63
TOG21-065-033	0.33
TOG21-065-034	7.93
TOG21-065-035	7.86
TOG21-065-036	< 0.03
TOG21-065-037	4.46
TOG21-065-038	26.8
TOG21-065-039	0.53
TOG21-065-040	< 0.03
TOG21-065-041	0.26
TOG21-065-042	0.29
TOG21-065-043	0.63
TOG21-065-044	1.19
TOG21-065-045	1.45
TOG21-065-046	0.88
TOG21-065-047	0.56

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.03
Method Code	FA-GRA
OREAS 229b (Fire Assay) Meas	11.7
OREAS 229b (Fire Assay) Cert	11.9
OREAS 229b (Fire Assay) Meas	12.0
OREAS 229b (Fire Assay) Cert	11.9
OREAS 257b (Fire Assay) Meas	13.5
OREAS 257b (Fire Assay) Cert	14.2
OREAS 257b (Fire Assay) Meas	13.6
OREAS 257b (Fire Assay) Cert	14.2
TOG21-065-030 Orig	10.3
TOG21-065-030 Dup	9.22
TOG21-065-032 Dup	0.63
TOG21-065-034 Orig	7.93
TOG21-065-035 Orig	7.22
TOG21-065-035 Dup	8.49
TOG21-065-037 Orig	4.30
TOG21-065-037 Dup	4.61
TOG21-065-038 Orig	26.8
TOG21-065-039 Orig	0.50
TOG21-065-039 Dup	0.56
TOG21-065-041 Orig	0.26
TOG21-065-041 Dup	0.26
Method Blank	< 0.03
Method Blank	< 0.03
Method Blank	< 0.03

Quality Analysis ... *Innovative Technologies*

Report No.: **A22-03196**
Report Date: **16-May-22**
Date Submitted: **10-Mar-22**
Your Reference: **March 10/22**

Metals Creek Resources
1100 Memorial Ave.
Suite 329
Thunder Bay Ontario P7B 4A3
Canada

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

241 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins	QOP AA-Au (Au - Fire Assay AA)	2022-04-18 14:01:40
1A3-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2022-04-27 17:47:32
1A4 (100mesh)-Timmins	QOP AA-Au (Au-Fire Assay-Metallic Screen-500g)	2022-04-22 19:48:12

REPORT **A22-03196**

Notes:

A representative 500 gram split is seived at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

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

Footnote: Samples TOG-22-071-029, TOG-22-071-119, TOG-22-072-059, TOG-22-072-089 were Insufficient for further Analysis.

SCC Accredited LAB Accrédité CCN TM

LabID: 709

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-22-071-001	14								
TOG-22-071-002	< 5								
TOG-22-071-003	< 5								
TOG-22-071-004	< 5								
TOG-22-071-005	< 5								
TOG-22-071-006	< 5								
TOG-22-071-007	37								
TOG-22-071-008	< 5								
TOG-22-071-009	< 5								
TOG-22-071-010	17								
TOG-22-071-011	20								
TOG-22-071-012	194								
TOG-22-071-013	5								
TOG-22-071-014	47								
TOG-22-071-015	13								
TOG-22-071-016	23								
TOG-22-071-017	< 5								
TOG-22-071-018	6								
TOG-22-071-019	< 5								
TOG-22-071-020	223								
TOG-22-071-021	17								
TOG-22-071-022	14								
TOG-22-071-023	< 5								
TOG-22-071-024	< 5								
TOG-22-071-025	< 5								
TOG-22-071-026	< 5								
TOG-22-071-027	< 5								
TOG-22-071-028	15								
TOG-22-071-029	1450								
TOG-22-071-030	5								
TOG-22-071-031	< 5								
TOG-22-071-032	< 5								
TOG-22-071-033	< 5								
TOG-22-071-034	< 5								
TOG-22-071-035	< 5								
TOG-22-071-036	5								
TOG-22-071-037	78								
TOG-22-071-038	< 5								
TOG-22-071-039	< 5								
TOG-22-071-040	< 5								
TOG-22-071-041	12								
TOG-22-071-042	5								
TOG-22-071-043	< 5								
TOG-22-071-044	< 5								
TOG-22-071-045	13								
TOG-22-071-046	11								
TOG-22-071-047	372								
TOG-22-071-048	16								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-22-071-049	32								
TOG-22-071-050	> 5000	12.3	2.68	1.10	1.22	1.25	28.35	461.08	489.43
TOG-22-071-051	306								
TOG-22-071-052	266								
TOG-22-071-053	27								
TOG-22-071-054	667								
TOG-22-071-055	297								
TOG-22-071-056	677								
TOG-22-071-057	94								
TOG-22-071-058	14								
TOG-22-071-059	2990	3.32							
TOG-22-071-060	< 5								
TOG-22-071-061	< 5								
TOG-22-071-062	20								
TOG-22-071-063	< 5								
TOG-22-071-064	< 5								
TOG-22-071-065	5								
TOG-22-071-066	5								
TOG-22-071-067	< 5								
TOG-22-071-068	< 5								
TOG-22-071-069	< 5								
TOG-22-071-070	< 5								
TOG-22-071-071	< 5								
TOG-22-071-072	< 5								
TOG-22-071-073	11								
TOG-22-071-074	16								
TOG-22-071-075	21								
TOG-22-071-076	37								
TOG-22-071-077	28								
TOG-22-071-078	219								
TOG-22-071-079	71								
TOG-22-071-080	81								
TOG-22-071-081	< 5								
TOG-22-071-082	39								
TOG-22-071-083	34								
TOG-22-071-084	> 5000	5.01	3.65	2.25	2.36	2.41	39.19	448.15	487.34
TOG-22-071-085	26								
TOG-22-071-086	51								
TOG-22-071-087	80								
TOG-22-071-088	36								
TOG-22-071-089	1450	1.62							
TOG-22-071-090	24								
TOG-22-071-091	82								
TOG-22-071-092	165								
TOG-22-071-093	160								
TOG-22-071-094	101								
TOG-22-071-095	131								
TOG-22-071-096	342								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-22-071-097	196								
TOG-22-071-098	749								
TOG-22-071-099	969								
TOG-22-071-100	564								
TOG-22-071-101	< 5								
TOG-22-071-102									
TOG-22-071-103									
TOG-22-071-104		6.81	7.18	5.12	5.78	5.59	39.85	453.06	492.91
TOG-22-071-105									
TOG-22-071-106									
TOG-22-071-107		1.22	1.41	0.63	0.66	0.70	32.70	398.84	431.54
TOG-22-071-108	14								
TOG-22-071-109		1.57							
TOG-22-071-110									
TOG-22-071-111									
TOG-22-071-112									
TOG-22-071-113									
TOG-22-071-114									
TOG-22-071-115									
TOG-22-071-116		2.79	2.32	1.24	1.39	1.33	19.85	2008.7	2028.6
TOG-22-071-117									
TOG-22-071-118									
TOG-22-071-119	2930								
TOG-22-071-120	17								
TOG-22-071-121	< 5								
TOG-22-071-122	84								
TOG-22-071-123	375								
TOG-22-071-124	223								
TOG-22-071-125	233								
TOG-22-071-126	26								
TOG-22-071-127	78								
TOG-22-071-128	7								
TOG-22-071-129	< 5								
TOG-22-071-130	10								
TOG-22-071-131	7								
TOG-22-071-132	< 5								
TOG-22-071-133	7								
TOG-22-071-134	17								
TOG-22-071-135	< 5								
TOG-22-071-136	< 5								
TOG-22-071-137	710								
TOG-22-071-138	484								
TOG-22-071-139	8								
TOG-22-071-140	23								
TOG-22-071-141	< 5								
TOG-22-071-142	218								
TOG-22-071-143	197								
TOG-22-071-144	240								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-22-071-145	308								
TOG-22-071-146	10								
TOG-22-072-001	16								
TOG-22-072-002	< 5								
TOG-22-072-003	18								
TOG-22-072-004	8								
TOG-22-072-005	58								
TOG-22-072-006	< 5								
TOG-22-072-007	7								
TOG-22-072-008	24								
TOG-22-072-009	8								
TOG-22-072-010	10								
TOG-22-072-011	8								
TOG-22-072-012	< 5								
TOG-22-072-013	9								
TOG-22-072-014	14								
TOG-22-072-015	9								
TOG-22-072-016	18								
TOG-22-072-017	16								
TOG-22-072-018	6								
TOG-22-072-019	< 5								
TOG-22-072-020	10								
TOG-22-072-021	51								
TOG-22-072-022	81								
TOG-22-072-023	68								
TOG-22-072-024	52								
TOG-22-072-025	64								
TOG-22-072-026	> 5000	12.0	17.7	13.6	12.5	13.5	46.46	443.56	490.02
TOG-22-072-027	292								
TOG-22-072-028	742								
TOG-22-072-029	1440	1.49							
TOG-22-072-030	189								
TOG-22-072-031	< 5								
TOG-22-072-032	59								
TOG-22-072-033	159								
TOG-22-072-034	84								
TOG-22-072-035	16								
TOG-22-072-036	70								
TOG-22-072-037	< 5								
TOG-22-072-038	< 5								
TOG-22-072-039	< 5								
TOG-22-072-040	< 5								
TOG-22-072-041	90								
TOG-22-072-042	< 5								
TOG-22-072-043	< 5								
TOG-22-072-044	< 5								
TOG-22-072-045	< 5								
TOG-22-072-046	< 5								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-22-072-047	243								
TOG-22-072-048	32								
TOG-22-072-049	< 5								
TOG-22-072-050	< 5								
TOG-22-072-051	5								
TOG-22-072-052	26								
TOG-22-072-053	950								
TOG-22-072-054	210								
TOG-22-072-055	2980	2.60							
TOG-22-072-056	2370	2.30							
TOG-22-072-057	< 5								
TOG-22-072-058	< 5								
TOG-22-072-059	3300								
TOG-22-072-060	5								
TOG-22-072-061	< 5								
TOG-22-072-062	< 5								
TOG-22-072-063	5								
TOG-22-072-064	< 5								
TOG-22-072-065	14								
TOG-22-072-066	< 5								
TOG-22-072-067	< 5								
TOG-22-072-068	19								
TOG-22-072-069	< 5								
TOG-22-072-070	< 5								
TOG-22-072-071	< 5								
TOG-22-072-072	< 5								
TOG-22-072-073	< 5								
TOG-22-072-074	< 5								
TOG-22-072-075	< 5								
TOG-22-072-076	< 5								
TOG-22-072-077	< 5								
TOG-22-072-078	< 5								
TOG-22-072-079	< 5								
TOG-22-072-080	< 5								
TOG-22-072-081	< 5								
TOG-22-072-082	< 5								
TOG-22-072-083	< 5								
TOG-22-072-084	< 5								
TOG-22-072-085	< 5								
TOG-22-072-086	83								
TOG-22-072-087	673								
TOG-22-072-088	683								
TOG-22-072-089	3050								
TOG-22-072-090	9								
TOG-22-072-091	< 5								
TOG-22-072-092	87								
TOG-22-072-093	189								
TOG-22-072-094	215								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-22-072-095	53								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OREAS 239 (Fire Assay) Meas	3610								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3570								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3450								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3570								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3610								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3660								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3630								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3710								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3500								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3480								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 257b (Fire Assay) Meas		13.6				14.1			
OREAS 257b (Fire Assay) Cert		14.220				14.22			
OREAS 257b (Fire Assay) Meas		14.6							
OREAS 257b (Fire Assay) Cert		14.220							
OREAS 257b (Fire Assay) Meas		13.9							
OREAS 257b (Fire Assay) Cert		14.220							
Oreas E1336 (Fire Assay) Meas	510								
Oreas E1336 (Fire	510								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Assay) Cert									
Oreas E1336 (Fire Assay) Meas	503								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	513								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	530								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	521								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	528								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	530								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	528								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	514								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	498								
Oreas E1336 (Fire Assay) Cert	510								
OREAS 216b Meas		6.64							
OREAS 216b Cert		6.66							
OREAS 216b Meas		6.79							
OREAS 216b Cert		6.66							
OREAS 216b Meas		6.83							
OREAS 216b Cert		6.66							
OREAS 216b Meas		6.53							
OREAS 216b Cert		6.66							
TOG-22-071-007 Orig	36								
TOG-22-071-007 Dup	37								
TOG-22-071-017	< 5								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Orig									
TOG-22-071-017 Dup	< 5								
TOG-22-071-027 Orig	< 5								
TOG-22-071-027 Dup	< 5								
TOG-22-071-050 Split PREP DUP	> 5000	13.7							
TOG-22-071-050 Orig			2.68	1.10	1.22	1.25	28.35	461.08	489.43
TOG-22-071-050 Orig	> 5000	12.3							
TOG-22-071-056 Orig	697								
TOG-22-071-056 Dup	656								
TOG-22-071-066 Orig	5								
TOG-22-071-066 Dup	5								
TOG-22-071-071 Orig	< 5								
TOG-22-071-071 Dup	6								
TOG-22-071-084 Orig			3.65	2.25	2.36	2.41	39.19	448.15	487.34
TOG-22-071-086 Orig	51								
TOG-22-071-086 Dup	51								
TOG-22-071-096 Orig	366								
TOG-22-071-096 Dup	318								
TOG-22-071-100 Split PREP DUP	499								
TOG-22-071-100 Orig	564								
TOG-22-071-104 Orig			7.18	5.12	5.78	5.59	39.85	453.06	492.91
TOG-22-071-107 Orig			1.41	0.63	0.66	0.70	32.70	398.84	431.54
TOG-22-071-109 Orig	1710								
TOG-22-071-109 Dup	1600								
TOG-22-071-116 Orig			2.32	1.24	1.39	1.33	19.85	2008.7	2028.6
TOG-22-071-134 Orig	17								
TOG-22-071-134 Dup	16								
TOG-22-071-139 Orig	8								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-22-071-139 Dup	7								
TOG-22-072-004 Split PREP DUP	< 5								
TOG-22-072-004 Orig	8								
TOG-22-072-017 Orig	19								
TOG-22-072-017 Dup	12								
TOG-22-072-026 Orig			17.7	13.6	12.5	13.5	46.46	443.56	490.02
TOG-22-072-033 Orig	158								
TOG-22-072-033 Dup	159								
TOG-22-072-043 Orig	< 5								
TOG-22-072-043 Dup	< 5								
TOG-22-072-054 Split PREP DUP	244								
TOG-22-072-054 Orig	210								
TOG-22-072-057 Orig	5								
TOG-22-072-057 Dup	< 5								
TOG-22-072-070 Orig	8								
TOG-22-072-070 Dup	< 5								
TOG-22-072-080 Orig	< 5								
TOG-22-072-080 Dup	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank		< 0.03							
Method Blank		< 0.03							
Method Blank	< 5								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank		< 0.03							
Method Blank		< 0.03							
Method Blank						< 0.03			
Method Blank						< 0.03			
Method Blank		< 0.03							
Method Blank		< 0.03							
Method Blank						< 0.03			
Method Blank	< 5								
Method Blank	< 5								
Method Blank		< 0.03							
Method Blank		< 0.03							

Quality Analysis ... *Innovative Technologies*

Report No.: **A22-03916**
Report Date: **09-Jun-22**
Date Submitted: **25-Mar-22**
Your Reference: **March 25/22**

Metals Creek Resources
1100 Memorial Ave.
Suite 329
Thunder Bay Ontario P7B 4A3
Canada

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

190 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins	QOP AA-Au (Au - Fire Assay AA)	2022-05-09 11:29:23
1A3-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2022-05-27 06:30:31
1A4 (100mesh)-Timmins	QOP AA-Au (Au-Fire Assay-Metallic Screen-500g)	2022-05-12 20:04:55

REPORT **A22-03916**

Notes:

A representative 500 gram split is seived at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

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

SCC Accredited LAB Accrédité CCN TM

LabID: 709

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-22-070-001	< 5								
TOG-22-070-002	< 5								
TOG-22-070-003	< 5								
TOG-22-070-004	< 5								
TOG-22-070-005	5								
TOG-22-070-006	< 5								
TOG-22-070-007	< 5								
TOG-22-070-008	5								
TOG-22-070-009	7								
TOG-22-070-010	8								
TOG-22-070-011	7								
TOG-22-070-012	16								
TOG-22-070-013	25								
TOG-22-070-014	68								
TOG-22-070-015	32								
TOG-22-070-016	8								
TOG-22-070-017	54								
TOG-22-070-018	21								
TOG-22-070-019	5								
TOG-22-070-020	19								
TOG-22-070-021	61								
TOG-22-070-022	237								
TOG-22-070-023	162								
TOG-22-070-024	134								
TOG-22-070-025	41								
TOG-22-070-026	1970	1.85							
TOG-22-070-027	213								
TOG-22-070-028	164								
TOG-22-070-029	2860	2.64							
TOG-22-070-030	142								
TOG-22-070-031	116								
TOG-22-070-032	205								
TOG-22-070-033	649								
TOG-22-070-034	313								
TOG-22-070-035	66								
TOG-22-070-036	62								
TOG-22-070-037	164								
TOG-22-070-038	63								
TOG-22-070-039	< 5								
TOG-22-070-040	37								
TOG-22-070-041	1490	1.50							
TOG-22-070-042	1290	1.54							
TOG-22-070-043	3620	3.26							
TOG-22-070-044	1270	1.93							
TOG-22-070-045	1680	1.40							
TOG-22-070-046	67								
TOG-22-070-047	20								
TOG-22-070-048	32								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-22-070-049	20								
TOG-22-070-050	12								
TOG-22-070-051	8								
TOG-22-070-052	9								
TOG-22-070-053	7								
TOG-22-070-054	7								
TOG-22-070-055	6								
TOG-22-070-056	5								
TOG-22-070-057	11								
TOG-22-070-058	1050	1.37							
TOG-22-070-059	< 5								
TOG-22-070-060	757								
TOG-22-070-061	3020	2.97							
TOG-22-070-062	6								
TOG-22-070-063	88								
TOG-22-070-064	< 5								
TOG-22-070-065	< 5								
TOG-22-070-066	< 5								
TOG-22-070-067	< 5								
TOG-22-070-068	< 5								
TOG-22-070-069	15								
TOG-22-070-070	7								
TOG-22-070-071	9								
TOG-22-070-072	9								
TOG-22-070-073	17								
TOG-22-070-074	17								
TOG-22-070-075	9								
TOG-22-070-076	10								
TOG-22-070-077	7								
TOG-22-070-078	6								
TOG-22-070-079	6								
TOG-22-070-080	10								
TOG-22-070-081	10								
TOG-22-070-082	34								
TOG-22-070-083	71								
TOG-22-070-084	49								
TOG-22-070-085	10								
TOG-22-070-086	97								
TOG-22-070-087	61								
TOG-22-070-088	1040	1.17							
TOG-22-070-089	188								
TOG-22-070-090	10								
TOG-22-070-091	> 5000	9.72							
TOG-22-070-092	51								
TOG-22-070-093	79								
TOG-22-070-094	756								
TOG-22-070-095	37								
TOG-22-070-096	29								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-22-070-097	61								
TOG-22-070-098	715								
TOG-22-070-099	< 5								
TOG-22-070-100	> 5000	12.7	25.9	9.99	11.4	12.0	43.10	444.10	487.20
TOG-22-070-101	26								
OG22-047A-001	15								
OG22-047A-002	12								
OG22-047A-003	< 5								
OG22-047A-004	< 5								
OG22-047A-005	< 5								
OG22-047A-006	< 5								
OG22-047A-007	33								
OG22-047A-008	19								
OG22-047A-009	6								
OG22-047A-010	< 5								
OG22-047A-011	< 5								
OG22-047A-012	< 5								
OG22-047A-013	< 5								
OG22-047A-014	< 5								
OG22-047A-015	< 5								
OG22-047A-016	< 5								
OG22-047A-017	< 5								
OG22-047A-018	< 5								
OG22-047A-019	< 5								
OG22-047A-020	< 5								
OG22-047A-021	< 5								
OG22-047A-022	< 5								
OG22-047A-023	< 5								
OG22-047A-024	7								
OG22-047A-025	< 5								
OG22-047A-026	< 5								
OG22-047A-027	< 5								
OG22-047A-028	< 5								
OG22-047A-029	1470	1.40							
OG22-047A-030	< 5								
OG22-047A-031	< 5								
OG22-047A-032	6								
OG22-047A-033	< 5								
OG22-047A-034	< 5								
OG22-047A-035	9								
OG22-047A-036	< 5								
OG22-047A-037	9								
OG22-047A-038	< 5								
OG22-047A-039	< 5								
OG22-047A-040	< 5								
OG22-047A-041	< 5								
OG22-047A-042	< 5								
OG22-047A-043	< 5								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OG22-047A-044	< 5								
OG22-047A-045	< 5								
OG22-047A-046	< 5								
OG22-047A-047	< 5								
OG22-047A-048	< 5								
OG22-047A-049	< 5								
OG22-047A-050	< 5								
OG22-047A-051	< 5								
OG22-047A-052	< 5								
OG22-047A-053	< 5								
OG22-047A-054	< 5								
OG22-047A-055	< 5								
OG22-047A-056	5								
OG22-047A-057	< 5								
OG22-047A-058	< 5								
OG22-047A-059	3320	3.38							
OG22-047A-060	< 5								
OG22-047A-061	< 5								
OG22-047A-062	< 5								
OG22-047A-063	< 5								
OG22-047A-064	9								
OG22-047A-065	< 5								
OG22-047A-066	< 5								
OG22-047A-067	< 5								
OG22-047A-068	6								
OG22-047A-069	6								
OG22-047A-070	< 5								
OG22-047A-071	< 5								
OG22-047A-072	< 5								
OG22-047A-073	< 5								
OG22-047A-074	< 5								
OG22-047A-075	< 5								
OG22-047A-076	6								
OG22-047A-077	< 5								
OG22-047A-078	6								
OG22-047A-079	< 5								
OG22-047A-080	< 5								
OG22-047A-081	< 5								
OG22-047A-082	< 5								
OG22-047A-083	< 5								
OG22-047A-084	< 5								
OG22-047A-085	< 5								
OG22-047A-086	< 5								
OG22-047A-087	7								
OG22-047A-088	< 5								
OG22-047A-089	1290	1.39							

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OREAS 239 (Fire Assay) Meas	3530								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3570								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3670								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3650								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3560								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3420								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3550								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 257b (Fire Assay) Meas						13.7			
OREAS 257b (Fire Assay) Cert						14.22			
Oreas E1336 (Fire Assay) Meas	517								
Oreas E1336 (Fire Assay) Cert	510.000								
Oreas E1336 (Fire Assay) Meas	514								
Oreas E1336 (Fire Assay) Cert	510.000								
Oreas E1336 (Fire Assay) Meas	521								
Oreas E1336 (Fire Assay) Cert	510.000								
Oreas E1336 (Fire Assay) Meas	502								
Oreas E1336 (Fire Assay) Cert	510.000								
Oreas E1336 (Fire Assay) Meas	510								
Oreas E1336 (Fire Assay) Cert	510.000								
Oreas E1336 (Fire Assay) Meas	517								
Oreas E1336 (Fire									

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Assay) Cert	510.000								
OREAS 216b Meas		6.65							
OREAS 216b Cert		6.66							
OREAS 216b Meas		6.64							
OREAS 216b Cert		6.66							
TOG-22-070-003 Orig	< 5								
TOG-22-070-003 Dup	< 5								
TOG-22-070-024 Orig	123								
TOG-22-070-024 Dup	144								
TOG-22-070-044 Orig	1280								
TOG-22-070-044 Dup	1260								
TOG-22-070-050 Split PREP DUP	9								
TOG-22-070-050 Orig	12								
TOG-22-070-053 Orig	7								
TOG-22-070-053 Dup	6								
TOG-22-070-063 Orig	99								
TOG-22-070-063 Dup	77								
TOG-22-070-084 Orig	47								
TOG-22-070-084 Dup	51								
TOG-22-070-100 Split PREP DUP	> 5000	10.6							
TOG-22-070-100 Orig			25.9	9.99	11.4	12.0	43.10	444.10	487.20
TOG-22-070-100 Orig	> 5000	12.7							
OG22-047A-002 Orig	8								
OG22-047A-002 Dup	16								
OG22-047A-005 Orig	< 5								
OG22-047A-005 Dup	< 5								
OG22-047A-018 Orig	< 5								
OG22-047A-018 Dup	< 5								
OG22-047A-030 Orig	< 5								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OG22-047A-030 Dup	< 5								
OG22-047A-046 Orig	< 5								
OG22-047A-046 Dup	< 5								
OG22-047A-049 Split PREP DUP	< 5								
OG22-047A-049 Orig	< 5								
OG22-047A-060 Orig	< 5								
OG22-047A-060 Dup	< 5								
OG22-047A-070 Orig	< 5								
OG22-047A-070 Dup	< 5								
OG22-047A-075 Orig	< 5								
OG22-047A-075 Dup	< 5								
OG22-047A-085 Orig	6								
OG22-047A-085 Dup	< 5								
Method Blank	5								
Method Blank	< 5								
Method Blank	5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank						< 0.03			
Method Blank						< 0.03			
Method Blank		< 0.03							
Method Blank		< 0.03							
Method Blank		< 0.03							
Method Blank		< 0.03							

Quality Analysis ... *Innovative Technologies*

Report No.: **A22-04150**
Report Date: **13-May-22**
Date Submitted: **29-Mar-22**
Your Reference: **March 29/22**

Metals Creek Resources
1100 Memorial Ave.
Suite 329
Thunder Bay Ontario P7B 4A3
Canada

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

74 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins	QOP AA-Au (Au - Fire Assay AA)	2022-05-03 17:58:02
1A3-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2022-05-05 13:50:16
1A4 (100mesh)-Timmins	QOP AA-Au (Au-Fire Assay-Metallic Screen-500g)	2022-05-12 18:59:22

REPORT **A22-04150**

Notes:

A representative 500 gram split is seived at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

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

SCC Accredited LAB Accrédité CCN TM

LabID: 709

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-22-074A-001	5								
TOG-22-074A-002	< 5								
TOG-22-074A-003	6								
TOG-22-074A-004	554								
TOG-22-074A-005	12								
TOG-22-074A-006	11								
TOG-22-074A-007	36								
TOG-22-074A-008	27								
TOG-22-074A-009	< 5								
TOG-22-074A-010	< 5								
TOG-22-074A-011	< 5								
TOG-22-074A-012	< 5								
TOG-22-074A-013	< 5								
TOG-22-074A-014	20								
TOG-22-074A-015	8								
TOG-22-074A-016	59								
TOG-22-074A-017	19								
TOG-22-074A-018	50								
TOG-22-074A-019	< 5								
TOG-22-074A-020	93								
TOG-22-074A-021	> 5000	35.8	695	10.8	11.0	16.4	3.945	488.00	491.95
TOG-22-074A-022	< 5								
TOG-22-074A-023	260								
TOG-22-074A-024	325								
TOG-22-074A-025	3160	3.40							
TOG-22-074A-026	5								
TOG-22-074A-027	711								
TOG-22-074A-	2570	2.34							

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
028									
TOG-22-074A-029	1370	1.58							
TOG-22-074A-030	619								
TOG-22-074A-031	2460	2.32							
TOG-22-074A-032	1040	0.97							
TOG-22-074A-033	656								
TOG-22-074A-034	2870	2.59							
TOG-22-074A-035	407								
TOG-22-074A-036	1050	1.00							
TOG-22-074A-037	2000	2.15							
TOG-22-074A-038	439								
TOG-22-074A-039	5								
TOG-22-074A-040	992								
TOG-22-074A-041	> 5000	15.4	185	15.1	13.2	15.5	3.835	491.00	494.83
TOG-22-074A-042	< 5								
TOG-22-074A-043	> 5000	7.75	138	3.91	3.59	5.06	4.799	486.00	490.80
TOG-22-074A-044	1160	1.00							
TOG-22-074A-045	1820	1.61							
TOG-22-074A-046	> 5000	5.73	110	4.39	3.39	4.40	2.380	496.00	498.38
TOG-22-074A-047	6								
TOG-22-074A-048	2610	2.35							
TOG-22-074A-049	128								
TOG-22-074A-050	7								
TOG-22-074A-051	395								
TOG-22-074A-052	133								
TOG-22-074A-053	161								
TOG-22-074A-054	484								
TOG-22-074A-055	121								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-22-074A-056	22								
TOG-22-074A-057	14								
TOG-22-074A-058	53								
TOG-22-074A-059	> 5000	9.49							
TOG-22-074A-060	29								
TOG-22-074A-061	< 5								
TOG-22-074A-062	6								
TOG-22-074A-063	290								
TOG-22-074A-064	514								
TOG-22-074A-065	1280	1.06							
TOG-22-074A-066	111								
TOG-22-074A-067	277								
TOG-22-074A-068	96								
TOG-22-074A-069	371								
TOG-22-074A-070	164								
TOG-22-074A-071	3770	3.79							
TOG-22-074A-072	69								
TOG-22-074A-073	511								
TOG-22-074A-074	14								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OREAS 239 (Fire Assay) Meas	3650								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3670								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3710								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 239 (Fire Assay) Meas	3710								
OREAS 239 (Fire Assay) Cert	3550								
OREAS 257b (Fire Assay) Meas		13.5				13.9			
OREAS 257b (Fire Assay) Cert		14.220				14.22			
OREAS 257b (Fire Assay) Meas		13.6							
OREAS 257b (Fire Assay) Cert		14.220							
Oreas E1336 (Fire Assay) Meas	520								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	529								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	529								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	515								
Oreas E1336 (Fire Assay) Cert	510								
OREAS 216b Meas		6.75							
OREAS 216b Cert		6.66							
OREAS 216b Meas		6.61							
OREAS 216b Cert		6.66							
TOG-22-074A-017 Orig	19								
TOG-22-074A-017 Dup	18								
TOG-22-074A-021 Orig			695	10.8	11.0	16.4	3.945	488.00	491.95
TOG-22-074A-027 Orig	685								
TOG-22-074A-	737								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
027 Dup									
TOG-22-074A-041 Orig			185	15.1	13.2	15.5	3.835	491.00	494.83
TOG-22-074A-043 Orig			138	3.91	3.59	5.06	4.799	486.00	490.80
TOG-22-074A-046 Orig			110	4.39	3.39	4.40	2.380	496.00	498.38
TOG-22-074A-050 Split PREP DUP	7								
TOG-22-074A-050 Orig	7								
TOG-22-074A-057 Orig	13								
TOG-22-074A-057 Dup	14								
TOG-22-074A-067 Orig	297								
TOG-22-074A-067 Dup	256								
TOG-22-074A-072 Orig	64								
TOG-22-074A-072 Dup	74								
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							
Method Blank		< 0.03							
Method Blank		< 0.03							
Method Blank						< 0.03			
Method Blank						< 0.03			

Quality Analysis ... *Innovative Technologies*

Report No.: **A22-04692**
Report Date: **23-Jun-22**
Date Submitted: **08-Apr-22**
Your Reference: **April 7/22**

Metals Creek Resources
1100 Memorial Ave.
Suite 329
Thunder Bay Ontario P7B 4A3
Canada

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

81 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins	QOP AA-Au (Au - Fire Assay AA)	2022-05-06 11:57:30

REPORT **A22-04692**

Notes:

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

Footnote: Insufficient material for 1A3 analysis on the following samples: OG22-046-029 and OG22-046-059.

SCC Accredited LAB Accrédité CCN TM

LabID: 709

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OG22-046-001	< 5
OG22-046-002	< 5
OG22-046-003	< 5
OG22-046-004	< 5
OG22-046-005	< 5
OG22-046-006	5
OG22-046-007	5
OG22-046-008	< 5
OG22-046-009	10
OG22-046-010	< 5
OG22-046-011	< 5
OG22-046-012	< 5
OG22-046-013	14
OG22-046-014	13
OG22-046-015	30
OG22-046-016	51
OG22-046-017	513
OG22-046-018	< 5
OG22-046-019	344
OG22-046-020	688
OG22-046-021	168
OG22-046-022	215
OG22-046-023	96
OG22-046-024	213
OG22-046-025	234
OG22-046-026	225
OG22-046-027	220
OG22-046-028	455
OG22-046-029	1470
OG22-046-030	663
OG22-046-031	234
OG22-046-032	180
OG22-046-033	724
OG22-046-034	113
OG22-046-035	6
OG22-046-036	24
OG22-046-037	22
OG22-046-038	14
OG22-046-039	< 5
OG22-046-040	15
OG22-046-041	16
OG22-046-042	29
OG22-046-043	20
OG22-046-044	30
OG22-046-045	44
OG22-046-046	18
OG22-046-047	19
OG22-046-048	26
OG22-046-049	6
OG22-046-050	< 5
OG22-046-051	16

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OG22-046-052	< 5
OG22-046-053	< 5
OG22-046-054	< 5
OG22-046-055	< 5
OG22-046-056	< 5
OG22-046-057	< 5
OG22-046-058	< 5
OG22-046-059	> 5000
OG22-046-060	< 5
OG22-046-061	< 5
OG22-046-062	37
OG22-046-063	< 5
OG22-046-064	< 5
OG22-046-065	< 5
OG22-046-066	51
OG22-046-067	< 5
OG22-046-068	< 5
OG22-046-069	< 5
OG22-046-070	< 5
OG22-046-071	< 5
OG22-046-072	17
OG22-046-073	< 5
OG22-046-074	10
OG22-046-075	< 5
OG22-046-076	< 5
OG22-046-077	< 5
OG22-046-078	126
OG22-046-079	854
OG22-046-080	< 5
OG22-046-081	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 239 (Fire Assay) Meas	3620
OREAS 239 (Fire Assay) Cert	3550
OREAS 239 (Fire Assay) Meas	3590
OREAS 239 (Fire Assay) Cert	3550
OREAS 239 (Fire Assay) Meas	3570
OREAS 239 (Fire Assay) Cert	3550
Oreas E1336 (Fire Assay) Meas	507
Oreas E1336 (Fire Assay) Cert	510.000
Oreas E1336 (Fire Assay) Meas	509
Oreas E1336 (Fire Assay) Cert	510.000
Oreas E1336 (Fire Assay) Meas	514
Oreas E1336 (Fire Assay) Cert	510.000
OG22-046-009 Orig	10
OG22-046-009 Dup	10
OG22-046-036 Orig	25
OG22-046-036 Dup	22
OG22-046-048 Orig	24
OG22-046-048 Dup	27
OG22-046-050 Split PREP DUP	5
OG22-046-050 Orig	< 5
OG22-046-058 Orig	< 5
OG22-046-058 Dup	14
OG22-046-074 Orig	10
OG22-046-074 Dup	9
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5

Quality Analysis ... *Innovative Technologies*

Report No.: **A22-04709**
Report Date: **20-May-22**
Date Submitted: **08-Apr-22**
Your Reference: **Ogden**

Metals Creek Resources
1100 Memorial Ave.
Suite 329
Thunder Bay Ontario P7B 4A3
Canada

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

120 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2022-05-12 20:06:40
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2022-05-16 15:50:31
1A4 (100mesh)-Tbay	QOP AA-Au (Au-Fire Assay-Metallic Screen-500g)	2022-05-19 12:49:54

REPORT **A22-04709**

Notes:

A representative 500 gram split is seived at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

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

Footnote: no material for TOG-22-073-039.

SCC Accredited LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-22-073-001	5								
TOG-22-073-002	< 5								
TOG-22-073-003	< 5								
TOG-22-073-004	15								
TOG-22-073-005	6								
TOG-22-073-006	< 5								
TOG-22-073-007	12								
TOG-22-073-008	8								
TOG-22-073-009	7								
TOG-22-073-010	< 5								
TOG-22-073-011	< 5								
TOG-22-073-012	< 5								
TOG-22-073-013	54								
TOG-22-073-014	416								
TOG-22-073-015	121								
TOG-22-073-016	120								
TOG-22-073-017	210								
TOG-22-073-018	23								
TOG-22-073-019	< 5								
TOG-22-073-020	112								
TOG-22-073-021	> 5000	38.9	362	25.4	25.5	36.1	16.65	507.80	524.45
TOG-22-073-022	< 5								
TOG-22-073-023	4440	4.39							
TOG-22-073-024	79								
TOG-22-073-025	69								
TOG-22-073-026	274								
TOG-22-073-027	471								
TOG-22-073-028	374								
TOG-22-073-029	> 5000	9.92							
TOG-22-073-030	674								
TOG-22-073-031	118								
TOG-22-073-032	75								
TOG-22-073-033	54								
TOG-22-073-034	57								
TOG-22-073-035	796								
TOG-22-073-036	22								
TOG-22-073-037	36								
TOG-22-073-038	761								
TOG-22-073-040	32								
TOG-22-073-041	12								
TOG-22-073-042	51								
TOG-22-073-043	96								
TOG-22-073-044	140								
TOG-22-073-045	353								
TOG-22-073-046	931								
TOG-22-073-047	181								
TOG-22-073-048	64								
TOG-22-073-049	6								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
TOG-22-073-050	118								
TOG-22-073-051	5								
TOG-22-073-052	< 5								
TOG-22-073-053	19								
TOG-22-073-054	< 5								
TOG-22-073-055	271								
TOG-22-073-056	95								
TOG-22-073-057	7								
TOG-22-073-058	176								
TOG-22-073-059	2940	3.50							
TOG-22-073-060	175								
TOG-22-073-061	< 5								
TOG-22-073-062	7								
TOG-22-073-063	5								
TOG-22-073-064	444								
TOG-22-073-065	625								
TOG-22-073-066	221								
TOG-22-073-067	28								
TOG-22-073-068	< 5								
OG22-048-001	< 5								
OG22-048-002	18								
OG22-048-003	143								
OG22-048-004	18								
OG22-048-005	36								
OG22-048-006	33								
OG22-048-007	191								
OG22-048-008	238								
OG22-048-009	10								
OG22-048-010	21								
OG22-048-011	< 5								
OG22-048-012	6								
OG22-048-013	< 5								
OG22-048-014	< 5								
OG22-048-015	< 5								
OG22-048-016	< 5								
OG22-048-017	< 5								
OG22-048-018	2700	2.87							
OG22-049-001	< 5								
OG22-049-002	< 5								
OG22-049-003	< 5								
OG22-049-004	< 5								
OG22-049-005	< 5								
OG22-049-006	180								
OG22-049-007	22								
OG22-049-008	6								
OG22-049-009	< 5								
OG22-049-010	5								
OG22-049-011	< 5								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OG22-049-012	< 5								
OG22-049-013	< 5								
OG22-049-014	< 5								
OG22-049-015	< 5								
OG22-049-016	< 5								
OG22-049-017	< 5								
OG22-049-018	< 5								
OG22-049-019	< 5								
OG22-049-020	< 5								
OG22-049-021	< 5								
OG22-049-022	< 5								
OG22-049-023	< 5								
OG22-049-024	< 5								
OG22-049-025	< 5								
OG22-049-026	< 5								
OG22-049-027	< 5								
OG22-049-028	5								
OG22-049-029	1360	1.86							
OG22-049-030	< 5								
OG22-049-031	< 5								
OG22-049-032	< 5								
OG22-049-033	< 5								
OG22-049-034	< 5								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OREAS 229b (Fire Assay) Meas		12.0				11.9			
OREAS 229b (Fire Assay) Cert		11.95				11.95			
OREAS 229b (Fire Assay) Meas		11.5							
OREAS 229b (Fire Assay) Cert		11.95							
OREAS 238 (Fire Assay) Meas	3130								
OREAS 238 (Fire Assay) Cert	3030								
OREAS 238 (Fire Assay) Meas	3030								
OREAS 238 (Fire Assay) Cert	3030								
OREAS 238 (Fire Assay) Meas	3090								
OREAS 238 (Fire Assay) Cert	3030								
OREAS 238 (Fire Assay) Meas	3050								
OREAS 238 (Fire Assay) Cert	3030								
OREAS 238 (Fire Assay) Meas	3010								
OREAS 238 (Fire Assay) Cert	3030								
OREAS 257b (Fire Assay) Meas		14.1				13.8			
OREAS 257b (Fire Assay) Cert		14.220				14.22			
OREAS 257b (Fire Assay) Meas		14.6							
OREAS 257b (Fire Assay) Cert		14.220							
Oreas E1336 (Fire Assay) Meas	490								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	505								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	492								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	507								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	495								
Oreas E1336 (Fire	510								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Assay) Cert									
TOG-22-073-009 Orig	6								
TOG-22-073-009 Dup	7								
TOG-22-073-021 Orig		40.6	362	25.4	25.5	36.1	16.65	507.80	524.45
TOG-22-073-021 Dup		37.3							
TOG-22-073-023 Orig	4440								
TOG-22-073-045 Orig	364								
TOG-22-073-045 Dup	341								
TOG-22-073-050 Orig	118								
TOG-22-073-050 Split PREP DUP	115								
TOG-22-073-054 Orig	< 5								
TOG-22-073-054 Dup	< 5								
TOG-22-073-058 Orig	174								
TOG-22-073-058 Dup	177								
OG22-048-011 Orig	< 5								
OG22-048-011 Dup	7								
OG22-049-003 Orig	< 5								
OG22-049-003 Dup	< 5								
OG22-049-007 Orig	25								
OG22-049-007 Dup	19								
OG22-049-014 Orig	< 5								
OG22-049-014 Split PREP DUP	< 5								
OG22-049-027 Orig	< 5								
OG22-049-027 Dup	< 5								
OG22-049-034 Orig	< 5								
OG22-049-034 Split PREP DUP	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
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							
Method Blank						< 0.03			
Method Blank		< 0.03							

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www.alsglobal.com/geochemistry

To: METALS CREEK RESOURCES
945 COBALT CRESCENT
THUNDER BAY ON P7B 5Z4

Finalized Date: 29-DEC-2021
Account: MECRRE

CERTIFICATE TB21315484

This report is for 62 samples of Reject submitted to our lab in Thunder Bay, ON, Canada on 4-NOV-2021.

The following have access to data associated with this certificate:

DON HEEREMA	MIKE MACISAAC	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
DISP-01	Disposal of all sample fractions
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

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To: METALS CREEK RESOURCES
945 COBALT CRESCENT
THUNDER BAY ON P7B 5Z4

Finalized Date: 29-DEC-2021
Account: MECRRE

CERTIFICATE OF ANALYSIS TB21315484

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	Au-GRA21 Au ppm 0.05
DL-21-08-05		[redacted]		
DL-21-08-015				
DL-21-08-025				
DL-21-010-005				
DL-21-010-015				
DL-21-010-025				
DL-21-010-035				
DL-21-010-045				
DL-21-010-055				
DL-21-010-065				
DL21-011-005				
DL21-011-015				
DL21-011-025				
DL21-011-035				
DL21-011-045				
DL21-011-055				
DL21-011-065				
DL21-011-075				
DL21-011-085				
DL21-011-091				
DL21-012-006				
DL21-012-016				
DL21-012-026				
DL21-012-036				
DL21-012-046				
DL21-012-056				
DL21-012-066				
DL21-012-076				
DL21-012-086				
DL21-014-005				
DL21-014-015				
DL21-014-025				
DL21-014-035				
DL21-014-045				
DL21-014-055				
DL21-014-065				
DL21-014-075				
DL21-014-085				
DL21-014-095				
DL21-016-005				

***** See Appendix Page for comments regarding this certificate *****

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To: METALS CREEK RESOURCES
945 COBALT CRESCENT
THUNDER BAY ON P7B 5Z4

Finalized Date: 29-DEC-2021
Account: MECRRE

CERTIFICATE OF ANALYSIS TB21315484

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	Au-GRA21 Au ppm 0.05
DL21-016-015		[redacted]		
DL21-016-025				
DL21-016-035				
DL21-017-005				
DL21-017-015				
DL21-017-025				
DL21-017-035				
DL21-017-045				
DL21-017-055				
DL21-017-065				
DL21-017-075				
TOG-21-66-05		0.29	0.001	
TOG-21-66-016		0.22	0.007	
TOG-21-66-025		0.26	0.182	
TOG-21-66-036		0.26	1.005	
TOG-21-66-045		0.30	0.040	
TOG-21-66-055		0.27	0.122	
TOG-21-67-07		0.27	0.126	
TOG-21-67-017		0.26	2.23	
TOG-21-67-027		0.33	3.41	
TOG-21-068-08		0.35	0.002	
TOG-21-68-017		0.28	0.005	

***** See Appendix Page for comments regarding this certificate *****

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To: METALS CREEK RESOURCES
945 COBALT CRESCENT
THUNDER BAY ON P7B 5Z4

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 29-DEC-2021
Account: MECRRE

CERTIFICATE OF ANALYSIS TB21315484

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:			
DISP-01	LOG-22	PUL-31	PUL-QC
SPL-21	WEI-21		

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	
Au-GRA21	Au-ICP21

AGAT Laboratories

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CLIENT NAME: METALS CREEK RESOURCES
945 COBALT CRES
THUNDER BAY , ON P7B5Z4
(807) 345-4990

ATTENTION TO: MICHAEL MACISAAC

PROJECT:

AGAT WORK ORDER: 22B904108

SOLID ANALYSIS REVIEWED BY: Xunjia Liang, Lab Analyst

DATE REPORTED: Jul 11, 2022

PAGES (INCLUDING COVER): 9

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

Notes

Disclaimer:

- *All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.*
- *All samples will be disposed of within 90 days following analysis, unless expressly agreed otherwise in writing. Please contact your Client Project Manager if you require additional sample storage time.*
- *AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.*
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Certificate of Analysis

AGAT WORK ORDER: 22B904108

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

DATE SAMPLED: Jun 05, 2022 | **DATE RECEIVED: Jun 06, 2022** | **DATE REPORTED: Jul 11, 2022** | **SAMPLE TYPE: Other**

Sample ID (AGAT ID)	Analyte:	Au
	Unit:	ppm
	RDL:	0.001
TOG21-065-005 (3942038)		0.008
TOG21-065-015 (3942039)		0.024
TOG21-065-025 (3942040)		0.083
TOG21-065-035 (3942041)		8.184
TOG21-065-045 (3942042)		1.429
TOG21-065-055 (3942043)		0.014
TOG21-065-065 (3942044)		0.004
TOG21-065-075 (3942045)		0.008
TOG21-065-085 (3942046)		0.043
TOG21-065-095 (3942047)		0.003
TOG21-065-105 (3942048)		0.001
TOG21-065-115 (3942049)		0.404

[redacted]

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 22B904108

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

DATE SAMPLED: Jun 05, 2022 | **DATE RECEIVED: Jun 06, 2022** | **DATE REPORTED: Jul 11, 2022** | **SAMPLE TYPE: Other**

Sample ID (AGAT ID)	Analyte:	Au
	Unit:	ppm
	RDL:	0.001
[redacted]		

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 22B904108

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

DATE SAMPLED: Jun 05, 2022 | **DATE RECEIVED: Jun 06, 2022** | **DATE REPORTED: Jul 11, 2022** | **SAMPLE TYPE: Other**

Sample ID (AGAT ID)	Analyte: Au Unit: ppm RDL: 0.001
[redacted]	
TOG-22-073-005 (3942114)	0.003
TOG-22-073-015 (3942115)	0.035
TOG-22-073-025 (3942116)	0.056
TOG-22-073-035 (3942117)	2.239
TOG-22-073-045 (3942118)	0.216
TOG-22-073-055 (3942119)	0.419
TOG-22-073-065 (3942120)	0.141
OG22-048-005 (3942121)	0.048
OG22-048-015 (3942122)	0.002
OG22-049-005 (3942123)	0.007
OG22-049-015 (3942124)	0.005
OG22-049-025 (3942125)	0.019

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 22B904108

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-564) Fire Assay - Au Ore Grade, Gravimetric finish (50g charge)

DATE SAMPLED: Jun 05, 2022 | **DATE RECEIVED: Jun 06, 2022** | **DATE REPORTED: Jul 11, 2022** | **SAMPLE TYPE: Other**

	Analyte:	Au-Grav
	Unit:	g/t
Sample ID (AGAT ID)	RDL:	0.5
[redacted]		

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 22B904108

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Jun 05, 2022 | **DATE RECEIVED: Jun 06, 2022** | **DATE REPORTED: Jul 11, 2022** | **SAMPLE TYPE: Other**

	Analyte:	Pul-Pass %
	Unit:	%
Sample ID (AGAT ID)	**RDL:**	0.01
TOG21-065-005 (3942038)		90.7
TOG21-065-015 (3942039)		91.8
DL21-022-035 (3942078)		88.2
DL22-023-5 (3942079)		89.2
TOG-22-073-045 (3942118)		91.9
TOG-22-073-055 (3942119)		88.6

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By:

AGAT Laboratories

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Quality Assurance - Replicate

AGAT WORK ORDER: 22B904108

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-564) Fire Assay - Au Ore Grade, Gravimetric finish (50g charge)

	REPLICATE #1															
Parameter	**Sample ID**	**Original**	**Replicate**	**RPD**												
Au-Grav	3942061	16.0	19.1	17.6%												

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 22B904108

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

	CRM #1 (ref.GSP5H)				CRM #2 (ref.ME2105)				CRM #3 (ref.GS1Z)				CRM #4 (ref.PGMS27)			
Parameter	**Expect**	**Actual**	**Recovery**	**Limits**	**Expect**	**Actual**	**Recovery**	**Limits**	**Expect**	**Actual**	**Recovery**	**Limits**	**Expect**	**Actual**	**Recovery**	**Limits**
Au	0.50	0.49			3.88	3.79			1.16	1.15			4.80	4.56		
	CRM #5 (ref.GSP5H)				**CRM #6 (ref.ME2105)**											
Parameter	**Expect**	**Actual**	**Recovery**	**Limits**	**Expect**	**Actual**	**Recovery**	**Limits**								
Au	0.50	0.46			3.88	3.65										

(202-564) Fire Assay - Au Ore Grade, Gravimetric finish (50g charge)

	CRM #1 (ref.GS20)															
Parameter	**Expect**	**Actual**	**Recovery**	**Limits**												
Au-Grav	19.6	18.9														

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Method Summary

CLIENT NAME: METALS CREEK RESOURCES

AGAT WORK ORDER: 22B904108

PROJECT:

ATTENTION TO: MICHAEL MACISAAC

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Au	MIN-221-12006	BUGBEE, E;A Textbook of Fire Assay	ICP/OES
Au-Grav	MIN-12004	BUGBEE, E: A Textbook of Fire Assaying	GRAVIMETRIC
Pul-Pass %			BALANCE