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ASSESSMENT REPORT

DIAMOND DRILLING

ON THE

OGDEN PROPERTY, TIMMINS

PORCUPINE MINING DISTRICT

NTS 42A/06

Submitted by:

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Summary

This report summarizes the drilling of ten diamond drill holes on the Ogden Property in Timmins Ontario. The drilling program was awarded to Norex Drilling out of Porcupine Ontario taking place between February 21st and March 26, 2018 totaling 2,382 meters. The program were carried out under supervision of geologist D.Heerema, an employee of Metals Creek Resources totaling 39 field days. The holes were designed to test or expand gold mineralization of four separate gold zones on the property; Thomas Ogden West, South Zone, North Zone and Porphyry Hill resulting in a best intercept of 2.31g/t Au over 4.80m from hole PH18-001. Five hundred and nineteen (519) core samples plus 23 additional blanks and 15 standards were sent to AGAT Laboratories and Activation Labs in Thunder Bay for gold analysis.

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 36 patent parcels, 13 leases and 53 unpatented 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. All exploration activities discussed occurred within patents thus not requiring an exploration permit.

Patents

PIN 65441-0370(LT), PIN 65441-0204(LT), PIN 65441-0369(LT) Parcel 14423SEC - Registered owners are Goldcorp Canada Ltd. 51 % and Goldcorp Inc. 49%
HR1007 now PAT-29055 and PAT-29053 (partially in Deloro Tp) P8555 (Deloro Tp) P8594 P8595

PIN 65441-0229(LT) - Parcel 14424SEC - Registered owners are Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
HR937 now PAT-29049 (partially in Deloro Tp) HR938 HR939

PIN 65441-0238(LT) - Parcel 8441 SEC - Registered owners are Goldcorp Canada Ltd. 51 % and Goldcorp Inc. 49%

HR1008 now PAT-29052

PIN 65441-0205(LT) - Parcel 4200SEC - Registered owners are Goldcorp Canada Ltd. 51 % and Goldcorp Inc. 49%
P8060 now PAT-29056

PIN 65441-0206(LT) - Parcel 4401 SEC - Registered owners are Goldcorp Canada Ltd. 51 % and Goldcorp Inc. 49%
P8061 now PAT-29057

PIN 65441-0203(LT) - Parcel 4402SEC - Registered owners are Goldcorp Canada Ltd. 51 % and Goldcorp Inc. 49%
P9852 now PAT-29059

PIN 65441-0190(LT) - Parcel 4114SEC - Registered owners are Goldcorp Canada Ltd. 51 % and Goldcorp Inc. 49%
P8948 now PAT-29059

PIN 65441-0189(LT) - Parcel 4115SEC - Registered owners are Goldcorp Canada Ltd. 51 % and Goldcorp Inc. 49%
P8949 now PAT-29060

PIN 65441-0187(LT) - Parcel 4116SEC - Registered owners are Goldcorp Canada Ltd. 51 % and Goldcorp Inc. 49%
P8044 now PAT-29

PIN 65441-0188(LT) - Parcel 4117SEC - Registered owners are Goldcorp Canada Ltd. 51 % and Goldcorp Inc. 49%
P11344 now PAT-29063

PIN 65441-0183(LT) - Parcel 4118SEC - Registered owners are Goldcorp Canada Ltd. 51 % and Goldcorp Inc. 49%
P11483 now PAT-29064

PIN 65441-0184(LT) - Parcel 4864SEC - Registered owners are Goldcorp Canada Ltd. 51 % and Goldcorp Inc. 49%
P16063 now PAT-28700

PIN 65441-0185(LT) - Parcel 3851SEC - Registered owners are Goldcorp Canada Ltd. 51 % and Goldcorp Inc. 49%
P8459 now PAT-28698

PIN 65441-0186(LT) - Parcel 4863SEC - Registered owners are Goldcorp Canada Ltd. 51 % and Goldcorp Inc. 49%
P16062 now PAT-28699

PIN 65441-0237(LT) - Parcel 3895SEC - Registered owners are Goldcorp Canada Ltd. 51 % and Goldcorp Inc. 49%
P6465 now PAT-28697

Claim #	Parcel #	Pin#	Previous Parcel #	Patent #	Recorded Holder
TRP 1995	221 SEC	65441-0172(LT)		6059 TEM now PAT-3682	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
TRP 1407	222 SEC	65441-0173(LT)		6060 TEM now PAT-3681	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
P 8795	41 23 SEC	65441-0177(LT)		923 Coch now PAT-3680	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
P 8381	4951 SEC	65441-0181(LT)		2011 Coch now PAT-3677	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
P 8383	4952 SEC	65441-0180(LT)		2012 Coch now PAT-3678	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%

P 8384	4953 SEC	65441-0179(LT)		2013 Coch now PAT-3679	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
ME 47/P 18122	5680 SEC SRO	65441-0182(LT)		2288 Coch now PAT-3676	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
HR 1135	5681 SEC	65441-0178(LT)		2289 Coch now PAT-3675	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
HR 1136	5681 SEC	65441-0178(LT)		2289 Coch now PAT-3675	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
P 8381/P 16751	6199 SEC MRO	65441-0335(LT)	4951 SEC	2011 Coch now PAT-3677	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
ME 47/P 18122	6199 SEC MRO	65441-0335(LT)	5680 SEC	2288 Coch now PAT-3676	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
P 19143	9871 SEC	65441-0166(LT)		4738 Coch now PAT-3418	Goldcorp Canada Ltd. 46% and Goldcorp Inc. 44%, Shirley Hamilton 10%
P 20073	9872 SEC	65441-0164(LT)		4739 Coch now PAT-3422	Goldcorp Canada Ltd. 46% and Goldcorp Inc. 44%, Shirley Hamilton 10%
P 26257	9873 SEC	65441-0165(LT)		4740 Coch now PAT-3424	Goldcorp Canada Ltd. 46% and Goldcorp Inc. 44%, Shirley Hamiton 10%
P 26258	9874 SEC	65441-0161(LT)		4741 Coch now PAT-3425	Goldcorp Canada Ltd. 46% and Goldcorp Inc. 44%, Shirley Hamiton 10%
P 26408	9875 SEC	65441-0170(LT)		4742 Coch now PAT-3427	Goldcorp Canada Ltd. 46% and Goldcorp Inc. 44%, Shirley Hamiton 10%
P 19144	9877 SEC	65441-0167(LT)		4747 Coch now PAT-3419	Goldcorp Canada Ltd. 46% and Goldcorp Inc. 44%, Shirley Hamiton 10%
P 19145	9878 SEC	65441-0171(LT)		4748 Coch now PAT-3420	Goldcorp Canada Ltd. 46% and Goldcorp Inc. 44%, Shirley Hamiton 10%
P 19147	9879 SEC	65441-0168(LT)		4749 Coch now PAT-3421	Goldcorp Canada Ltd. 46% and Goldcorp Inc. 44%, Shirley Hamiton 10%
P 20074	9880 SEC	65441-0159(LT)		4750 Coch now PAT-3423	Goldcorp Canada Ltd. 46% and Goldcorp Inc. 44%, Shirley Hamiton 10%
P 26259	9881 SEC	65441-0160(LT)		4751 Coch now PAT-3426	Goldcorp Canada Ltd. 46% and Goldcorp Inc. 44%, Shirley Hamiton 10%

Claim #	Parcel #	Pin #	MRO Previous Parcel #	Patent #	Recorded Holder
PP 22 (TRP 1782)	5496 SEC Firstly	65441-0345(LT)	1804 SND	730 SND now PAT-2684	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
PP 21 (TRP 1784)	5496 SEC Secondly	65441-0345(LT)	1826 SND	752 SND now PAT-2685	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
PP 23 (TRP 1783)	5496 SEC Thirdly	65441-0345(LT)	1827 SND	753 SND now PAT-2683	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
PP 24 (TRP 1785)	5496 SEC Fourthly	65441-0345(LT)	1828 SND	754 SND now PAT-2682	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
PP 25 (TRP 1786)	5496 SEC Fifthly	65441-0345(LT)	1829 SND	755 SND now PAT-2681	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
PP 26 (TRP 1787)	5496 SEC Sixthly	65441-0345(LT)	1830 SND	756 SND now PAT-2680	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%

Leases

PIN 65441-0373(LT) - Parcel 1615LC - Registered owners are Goldcorp Canada Ltd. 51 % and Goldcorp Inc. 49% now LEA-108841
P528812, P528813, P528814, P528815, P528816, P528817, P528915, P528916, P528917, P528918, P528919, P528920, P528921

PIN 65442-0686 (LT) - Parcel 58LC - Registered owners are Goldcorp Canada Ltd. 51 % and Goldcorp Inc. P37705 now LEA-19618

Unpatented Mining Cells

Cell #	Type	Anniversary Date	$ Work Due	Cell ID
339968	Single	September 26, 2021	400	42A06E011
160138	Single	September 26, 2021	400	42A06E031
116694	Single	September 26, 2021	400	42A06E032
232858	Boundary	September 26, 2021	200	42A06E050
120981	Single	September 26, 2021	200	42A06E030
213523	Single	September 26, 2021	200	42A06E010
281033	Boundary	September 26, 2021	200	42A06L390
162155	Boundary	September 26, 2021	200	42A06L391
126327	Single	September 26, 2021	200	42A06L392
221579	Boundary	September 26, 2021	200	42A06L371
144032	Boundary	September 26, 2021	200	42A06L351
257540	Single	September 26, 2021	400	42A06L372
162154	Single	September 26, 2021	400	42A06L373
162153	Boundary	September 26, 2021	200	42A06L352
144031	Boundary	September 26, 2021	200	42A06L353
126326	Boundary	September 26, 2021	200	42A06L354
201446	Boundary	September 26, 2021	200	42A06L374
100724	Boundary	September 26, 2021	200	42A06L394
288148	Single	September 26, 2021	200	42A06L393
225533	Single	September 26, 2021	200	42A06E012
213559	Single	September 26, 2021	200	42A06E013
160137	Single	September 26, 2021	200	42A06E033
160139	Boundary	September 26, 2021	200	42A06E051
225556	Boundary	September 26, 2021	200	42A06E052
281580	Boundary	September 26, 2021	200	42A06E053
194304	Single	June 26, 2021	200	42A06L398
165533	Single	June 26, 2021	200	42A06L399
340015	Single	April 28, 2021	200	42A06L340
225595	Single	April 28, 2021	200	42A06L360
120985	Boundary	April 28, 2021	200	42A06K301
160144	Boundary	April 28, 2021	200	42A06K321
261541	Boundary	April 28, 2021	200	42A06K341

287913	Boundary	October 23, 2021	200	42A06K361
128588	Boundary	October 23, 2021	200	42A06K362
323801	Boundary	October 23, 2021	200	42A06K363
324226	Boundary	December 10, 2021	200	42A06K364
324225	Boundary	December 10, 2021	200	42A06K344
221603	Single	March 25, 2021	200	42A06K345
209520	Single	October 23, 2021	200	42A06K365
281023	Single	June 23, 2021	200	42A06E020
276074	Single	June 23, 2021	200	42A06E040
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114912	Single	June 23, 2021	200	42A06E060
237936	Single	June 23, 2021	200	42A06F041
181987	Boundary	June 23, 2021	200	42A06F042
265977	Boundary	June 23, 2021	200	42A06F043
265976	Boundary	June 23, 2021	200	42A06F044
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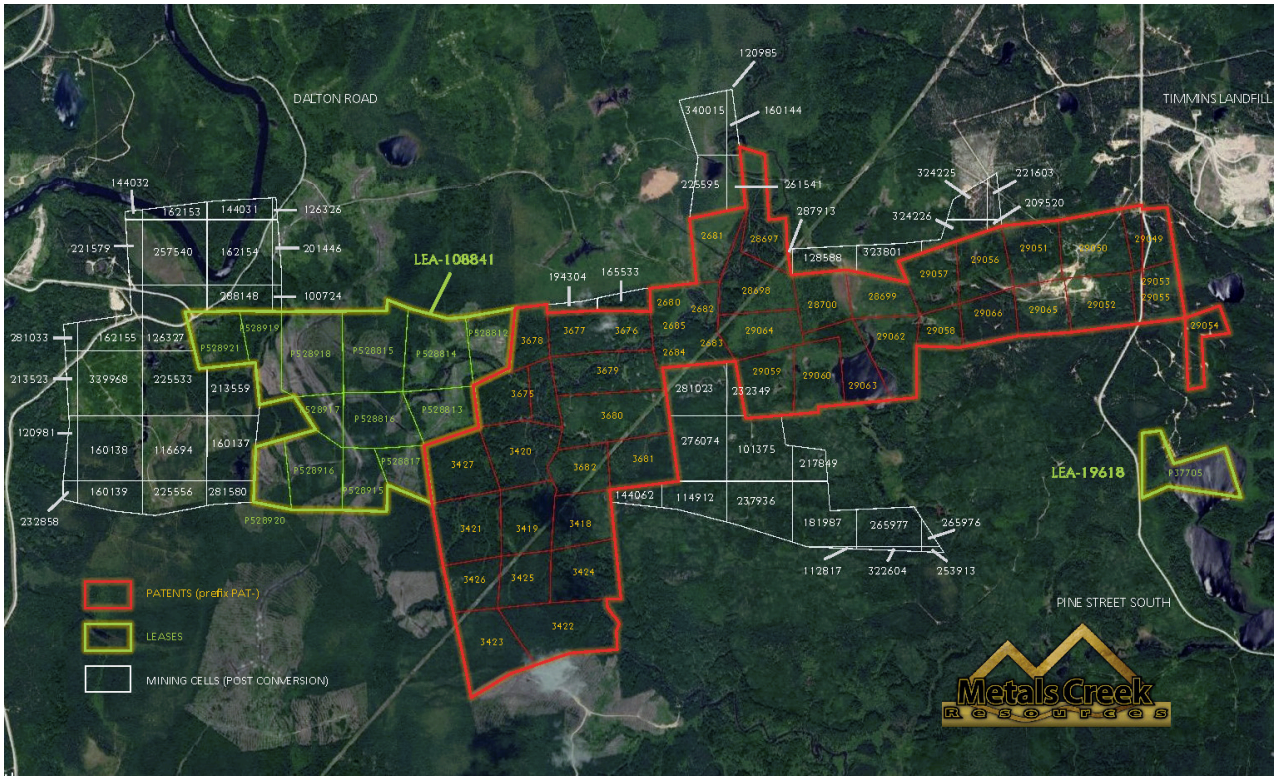


Property Location and Access

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 right hand side (west). Follow the well traveled road for approximately 6 kilometers to the powerline and turn left and follow the powerline for 300m. See figures 5 or 7.

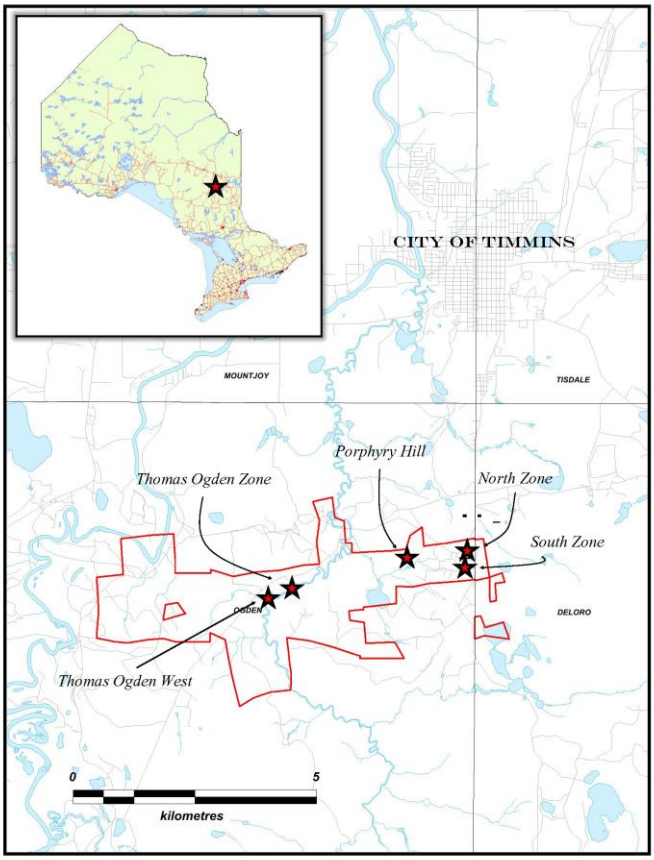


Figure 2: Property Location

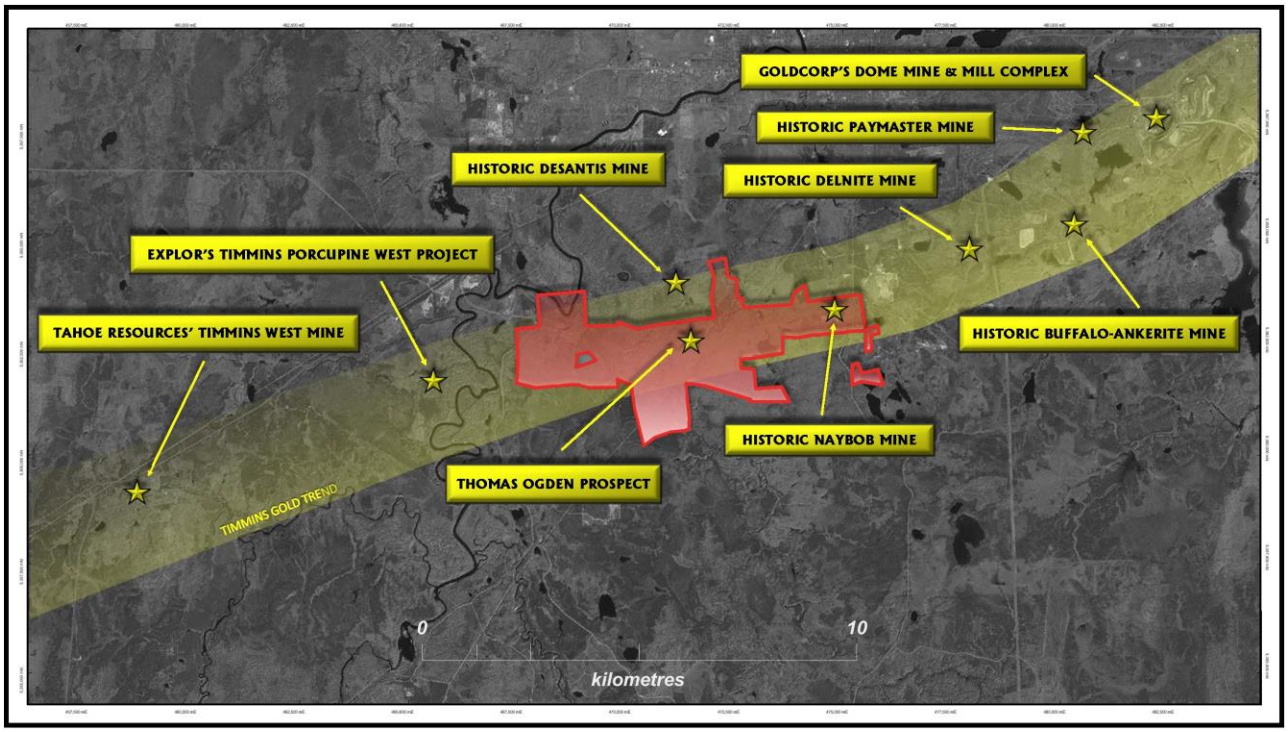


Figure 3: Timmins West Gold Trend

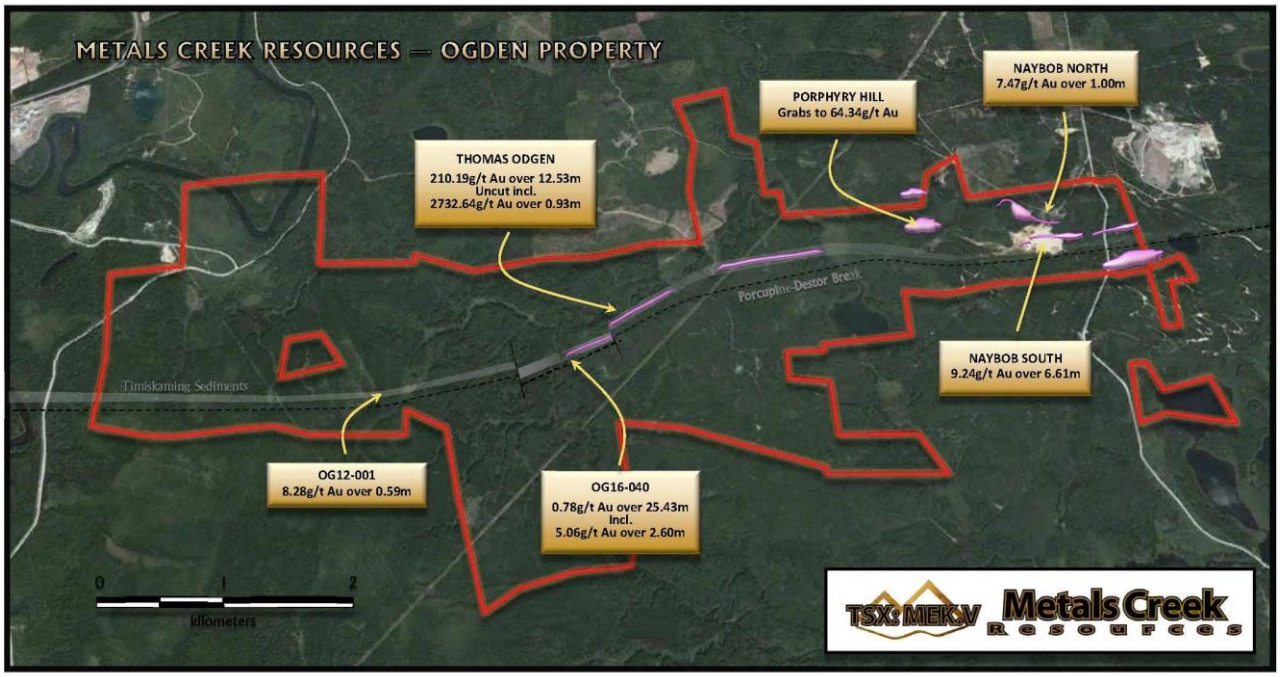


Figure 4: Ogden Historic Property Highlights

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 as well of 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.

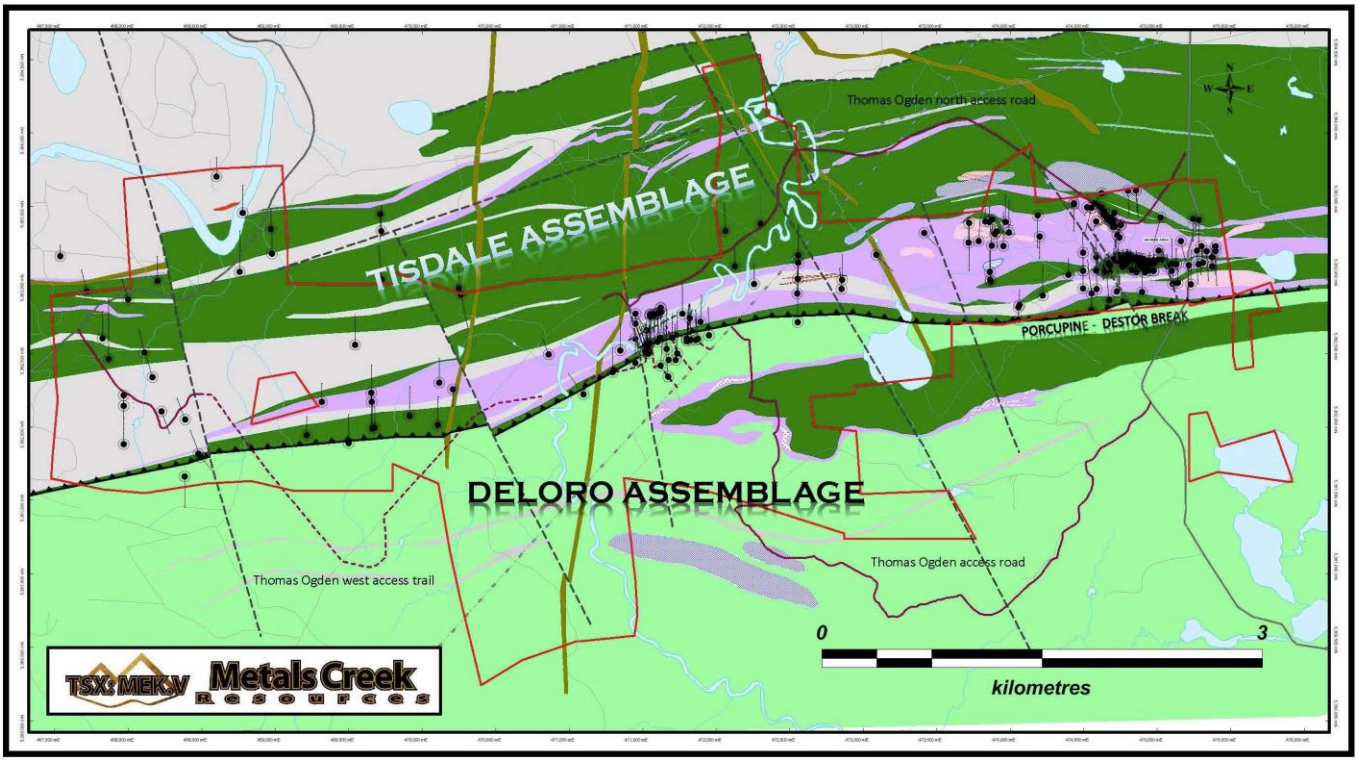


Figure 5: Ogden Property Geology

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

A felsic to intermediate fragmental/tuffacous 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. A younger and less strained package of ultramafics top the sediment package 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.

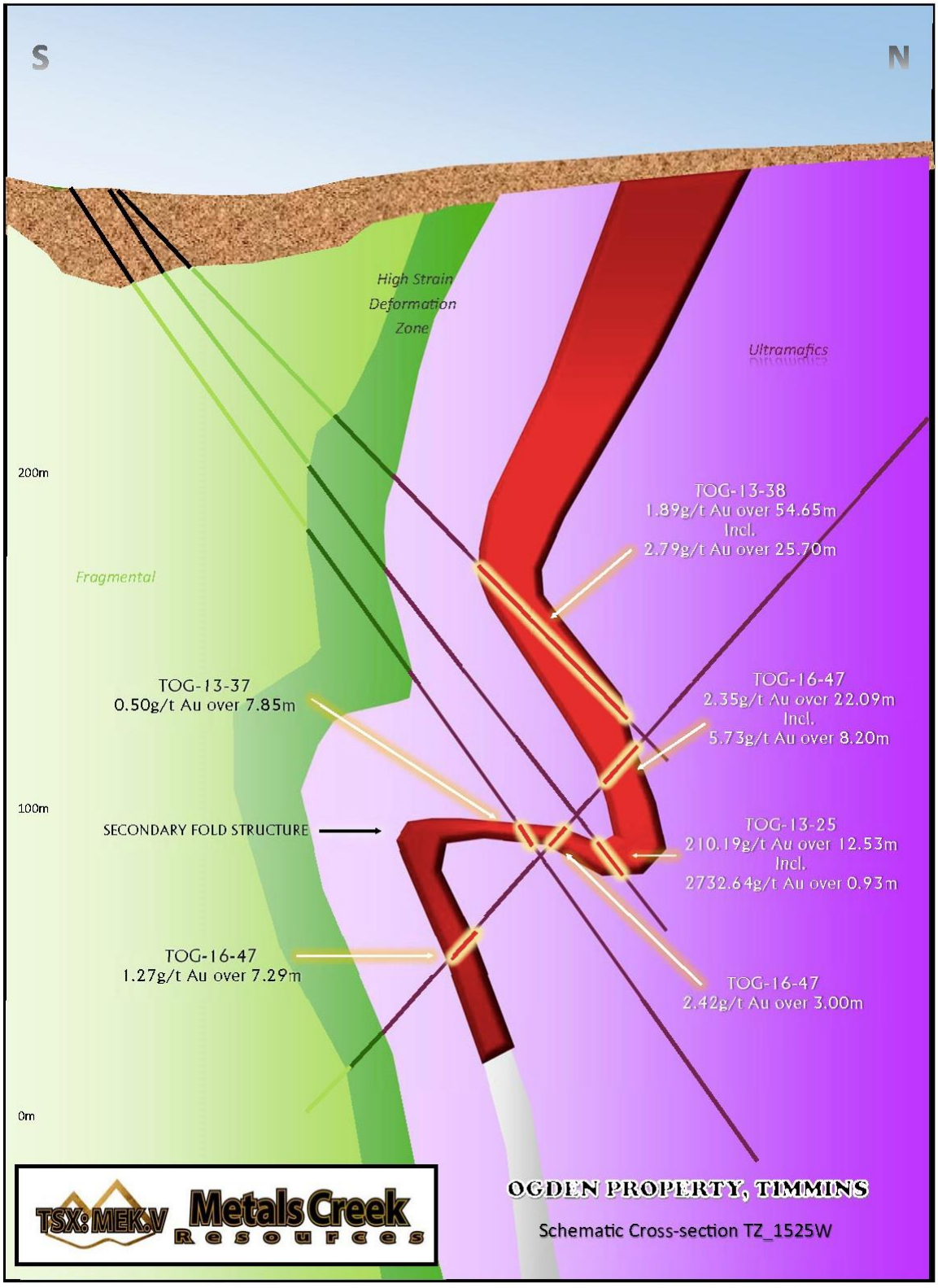
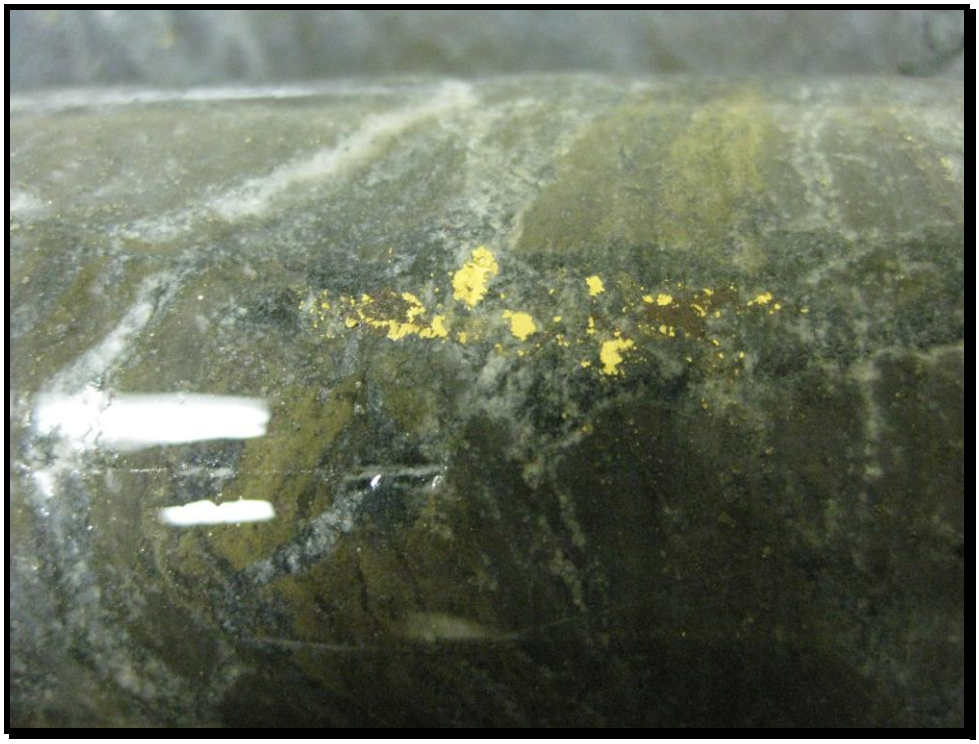
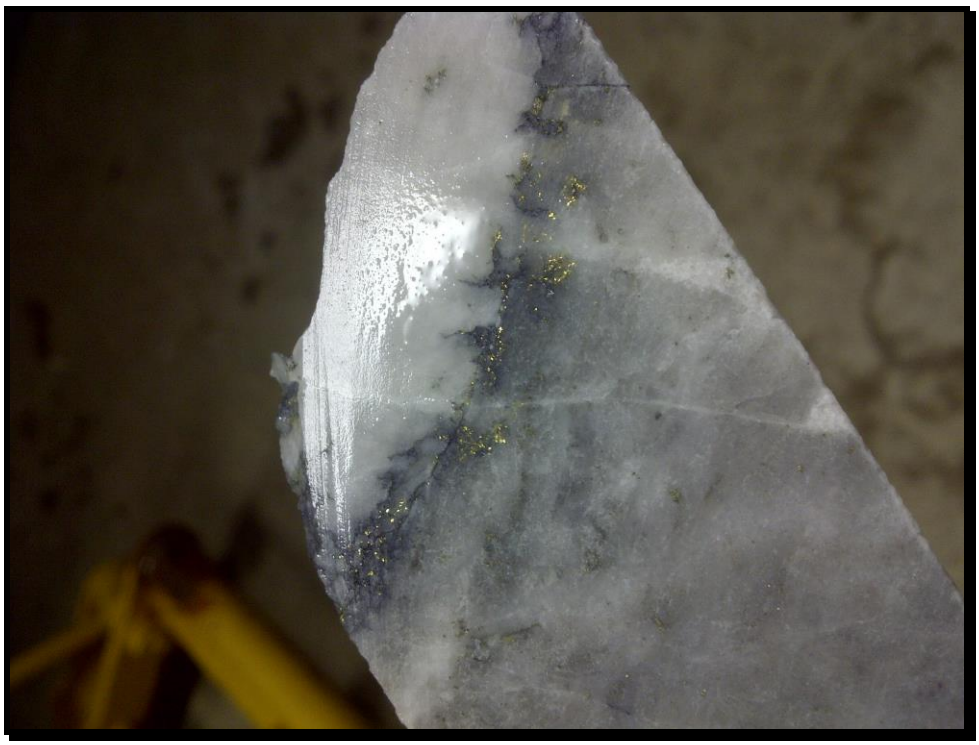


Figure 6: Thomas Ogden Schematic Cross Section

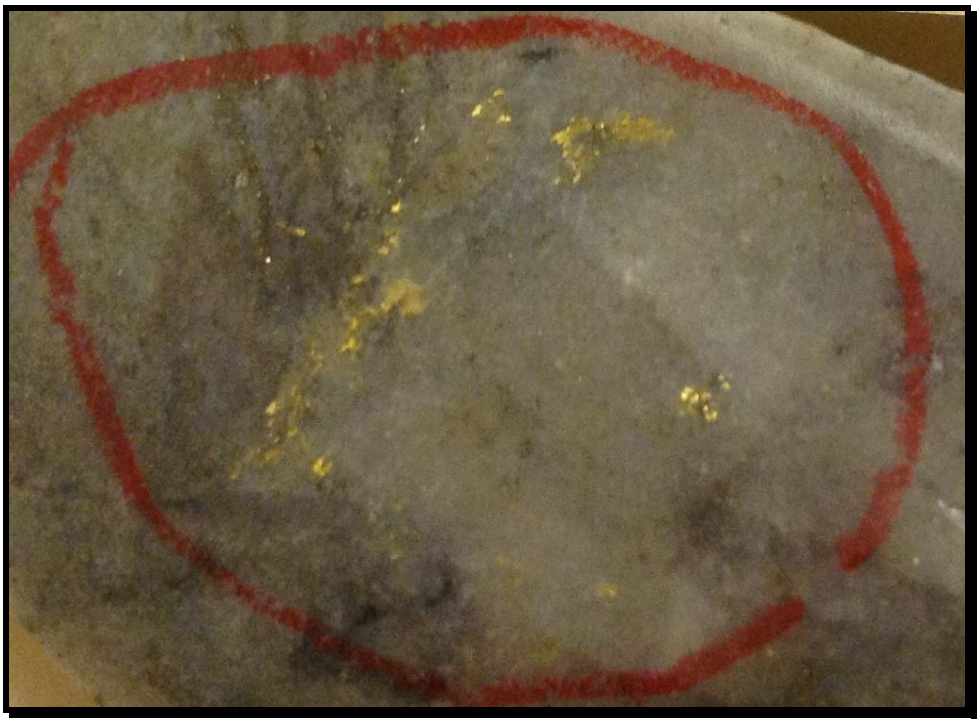
Gold within the Thomas Ogden Zone is commonly encountered in felsic dikes and altered pebble conglomerates but can certainly be located in altered wackes and argillites. The felsic dikes are extremely silicous with very little mafic content (<5%) and patchy albite alteration as well as local ankerite resulting in rusty patches and fractures. Alteration observed within the area of Thomas Ogden consists of variable amounts of silicification, albitization, sericitization as well as minor carbonate and fuchsite. The felsic dikes of TOZ are generally extremely silicous with clotty beige/peach colored albitization. Late quartz stringers and veinlets are often associated with the alteration.
The gold bearing sediments appear to be Timiskaming in age, containing occasional cherty jasperitic fragments. The gold bearing sediments are commonly well deformed and compressed with associated fuchsite, silicification, albitization and sulphides. Pyrite is the dominant sulphide with occasional arsenopyrite. Visible gold is not uncommon.



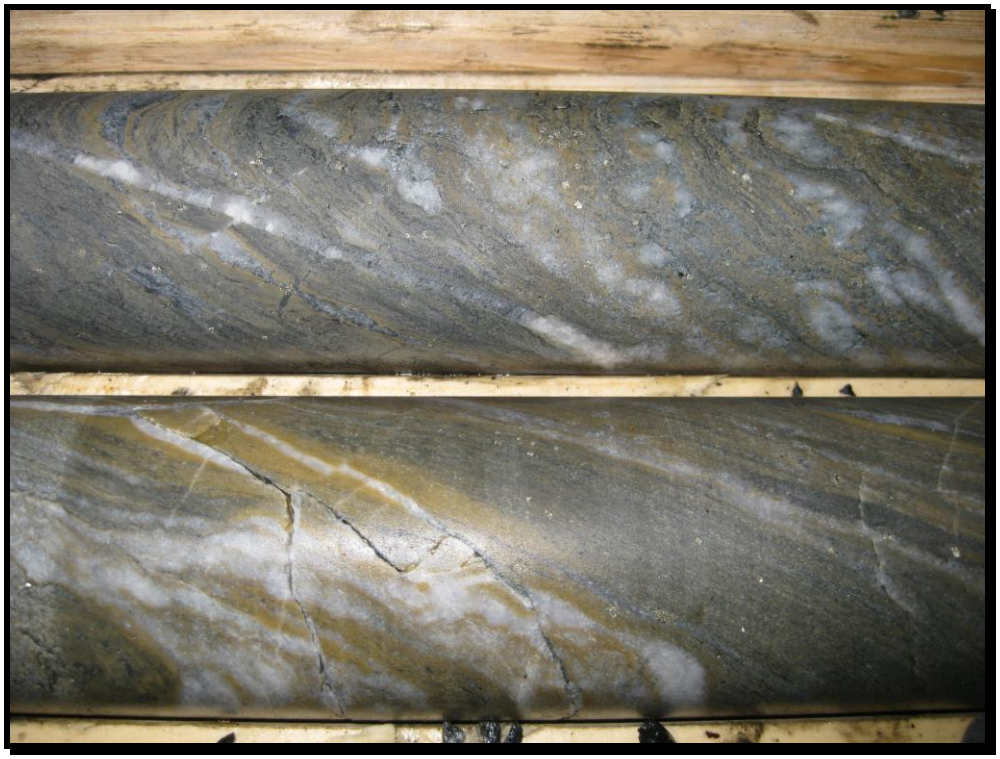
Visible gold in hole TOG-13-25 sample TOG-13-25-018 (2732.64g/t Au)



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)

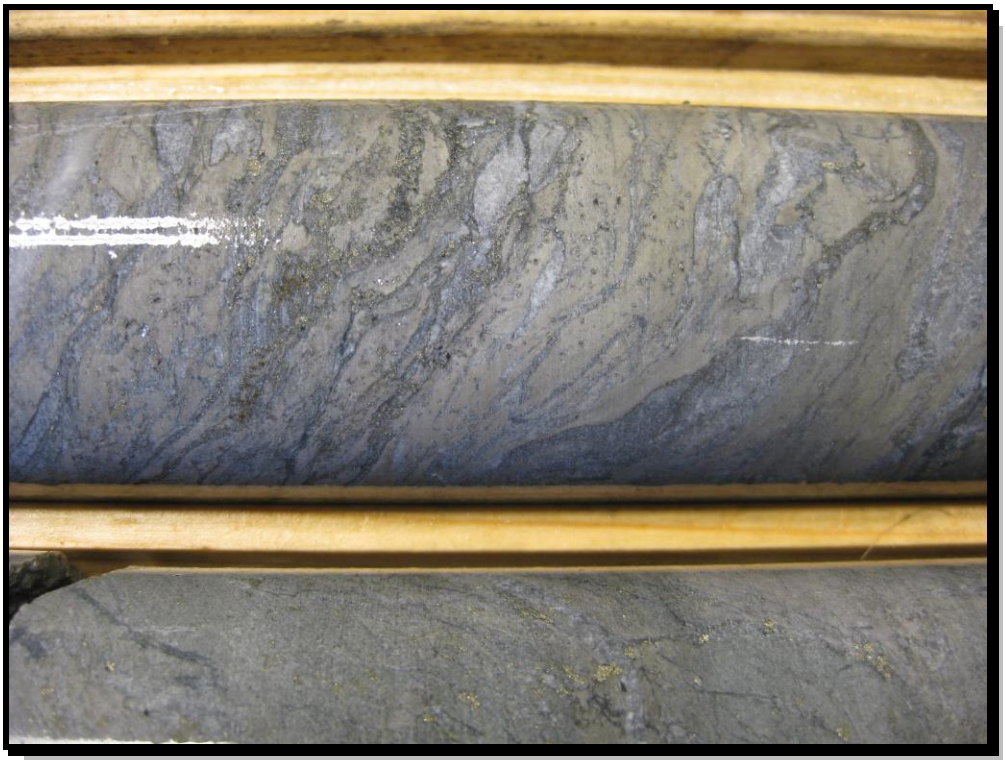


Albite-sericite-carbonate alteration typical of Thomas Ogden Zone

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 deictic-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 alteration 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.

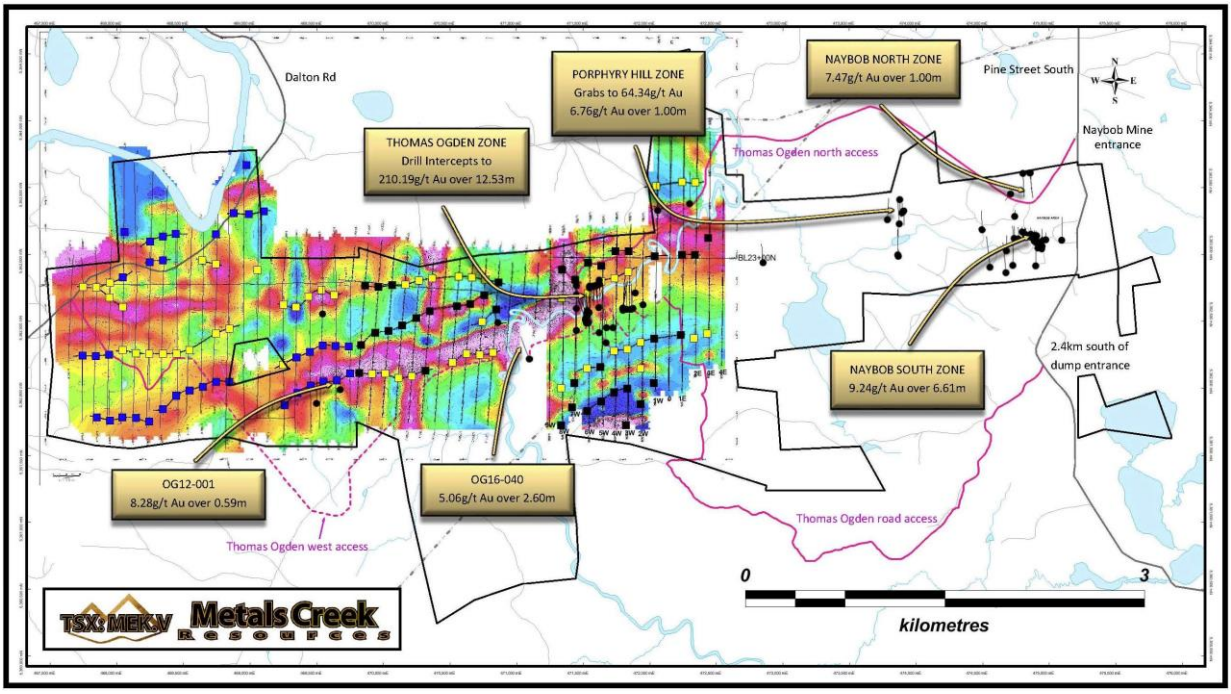


Figure 7: MEK 2009-2017 Ogden Work

Work Program 2018

This report summarizes the completion of ten (10) diamond drill holes totaling 2,382 meters of NQ diameter core that were drilled between February 21st and March 26th, 2018. Norex Drilling of Porcupine Ontario was awarded the drilling contract totaling 29 days on site. All drilling was overseen by geologist D.Heerema, an employee of MEK. Of the ten holes, two were carried out on the Thomas Ogden West Zone, five were drilled on South Zone, two drilled on North Zone, leaving one remaining hole that tested the Porphyry Hill area. The purpose of the drilling the variety of zones was to test for gold in different environments and host rocks; testing theories and to see where to focus efforts moving forward. All the drilling described in this report took place on patented ground. See sections and plan maps in Appendix I.

A bulk of MEK's drilling since 2011 has been on the ***Thomas Ogden Zone***, leading to the discovery of what is now called the Thomas Ogden West Zone; a parallel shoot of higher-grade mineralization associated with sulphidization within strongly altered sediments bound by ultramafics. Two holes were drilled on the Thomas Ogden West Zone in an attempt to try and delineate the orientation and size of the plunging mineralization as a follow-up to hole TOG-17-60 that returned 8.37g/t Au over 2.00m.

TOG-18-62: This hole was drilled on section TZ_2100W which is 100 meters east of hole TOG-17-60 designed to pierce the target stratigraphy down plunge. The sedimentary horizon was cut showing well altered conglomerates fining northward to argillites all cut by silicous felsite. Numerous anomalous zones were attained; 0.72g/t Au over 6.78m, 1.42g/t Au over 6.00m and 1.12g/t Au over 10.14m including 2.72g/t Au over 2.00m.

TOG-18-63: This 436m hole was designed to undercut hole TOG-17-60 mineralization approximately 100m vertically below. The targeted stratigraphy was pierced slightly further down hole than anticipated; showing evidence of folding. The hole cut moderate to strongly altered conglomerates as well as well mineralized felsite returning 1.16g/t Au over 9.50m including 1.47g/t Au over 4.78m.

MEK had conducted shallow drilling in 2009 and 2010 on the central and eastern portions of the ***Naybob South Zone*** which had seen limited mining in the early years of the mines existence. Three levels of development were completed with limited stoping. The drilling conducted in this round of exploration was concentrated on the western end of the shallow mineralization as well as slightly deeper in the central portion of the zone to test for plunges in higher-grade mineralization. Little drilling has been done on the western extents of the known mineralization and three of these holes were not only testing the main horizon of mineralization to the west but also hanging-wall zones albitization and arsenopyrite/gold mineralization. Holes OG18-042 and OG18-043 were

drilled to test higher-grade hanging-wall mineralization drilled from underground as well as the main horizon that saw limited mining. A total of 1,085 meters were completed on South Zone.

OG18-042: This 192m hole was designed to test hanging-wall mineralization as well as the main gold horizon that was drifted on. The hole was drilled to test mineralization between the 400 and 700 levels. Eleven separate zones of albitization and sulphide mineralization ranging between 0.21m and 4.03m were cut with intercepts of 1.69g/t Au over 2.17m, 5.54g/t Au over 0.4m, 0.85g/t Au over 4.03m and 0.85g/t Au over 2.90m were attained.

OG18-043: This 225m hole was designed to test hanging-wall mineralization as well as the main gold horizon that was drifted on. The hole was drilled to test mineralization between the 400 and 700 levels approximately 90m west of OG18-042. Eight separate zones of albitization and sulphide mineralization ranging between 0.20m and 3.75m with intercepts of 2.64g/t Au over 1.20m, 7.12g/t Au over 0.77m, 3.25g/t Au over 1.95m, 1.90g/t Au over 0.90m, 3.19g/t Au over 3.00m and 2.14g/t Au over 2.33m were attained.

OG18-044: This 387m hole was designed to test hanging-wall mineralization as well as the main gold horizon beneath MEK hole OG17-041 that had returned 4.16g/t Au over 3.29m. A thick package of conglomerate fining north to graphitc argillites hosting significant pyrite mineralization were cut before intersecting four separate zones of albitization and sulphide mineralization ranging between 0.38m and 1.90m. Intercepts of 2.90g/t Au over 1.7m and 3.01g/t Au over 1.30m were attained.

OG18-045: This hole was designed to test hanging-wall mineralization as well as the main gold horizon approximately 30m west of hole OG17-041 at approximately the same elevation. This hole cut extremely bad ground and three mineralized zones ranging from 0.24m to 0.72m before the hole was lost to jammed rods. The main horizon was not intercepted but a hanging-wall zone returned 3.35g/t Au over 0.72m.

OG18-045A: This hole was stepped back from OG18-045 and re-drilled with success. Again the hole cut extremely bad ground and three mineralized zones ranging from 0.23m to 1.17m with cuts of 1.71g/t Au over 0.96m, 2.03g/t Au over 0.23m and 0.95g/t Au over 1.17m.

Since MEK has started working the property in 2009, little work by MEK has taken place on the ***Naybob North Zone***. The historic MEK work consisted of two shallow holes and three deep holes beneath the mine workings. The rocks of the North Zone are heavily carbonate altered ultramafics cut by quartz veining with weak sulphidization and it quite different than South Zone. Two holes were designed to test between the 200 and 300

levels of development to get a better handle on geology and alteration as well as test for gold east of historic stoping. Much work is needed to adequately drill test the mine to outline what was not mined out historically. These two holes total 282m.

NZ18-001: This hole was drilled north between the 200 and 300 levels of the Naybob North Mine development. This hole was drilled approximately 30m east of OG09-014 that returned 2.74g/t Au over 4.00m but fully reaching what is now interpreted to be the main mineralization. Extremely strained and carbonate altered ultramafics with fuchsite zones, quartz veining and weak pyritization were encountered over a drilled width of 81.15m. Feldspar porphyry dikes were found straddling both sides of the alteration corridor. Only two narrow anomalous zones of 1.31g/t Au over 2.00m and 0.90g/t Au over 3.64m were returned, the latter from an intermediate dike.

NZ18-002: This hole was drilled north between the 200 and 300 levels of the Naybob North Mine development 30 meters east of NZ18-002. Extremely strained and carbonate altered ultramafics with fuchsite zones, quartz veining and weak pyritization were encountered over a narrower drilled width of 26.70m. Another narrow zone of anomalous gold was cut at 95m downhole for 0.94g/t Au over 3.00m.

Porphyry Hill is an area where prospecting grabs have returned to 64g/t. Drilling historically but MEK and others have hit sporadic gold values. ***PH18-001*** was designed to test 100m east of a historic hole from the 1960's that returned 3.09g/t Au over 1.52m as well as other anomalous gold values in porphyry. Intercepted was 11.30m of weakly mineralized porphyry returning a gold bearing center portion of 2.31g/t Au over 4.80m from 92.00 to 96.80m.

Table 1: 2018 Diamond Drill Collar Data

Hole-ID	Easting (m)	Northing (m)	Elevation	Length (m)	Azimuth	Dip
TOG-18-62	471096	5362155	282	381	320	-45
TOG-18-63	471002	5362073	280	436	330	-45
OG18-042	474796	5363023	300	192	0	-50
OG18-043	474736	5363064	300	225	359	-59
OG18-044	474676	5362914	299	387	358	-59
OG18-045	474646	5363011	299	98	0	-47
OG18-045A	474646	5363007.5	299	183	0	-49
NZ18-001	474760	5363278	308	144	0	-45
NZ18-002	474794	5363278	309	138	0	-47
PH18-001	474029	5363365	290	198	180	-59

Table 2: 2018 Drill hole Intercepts

Hole-ID	From(m)	To(m)	Au (g/t)	Length(m)
TOG-18-62	286.77	293.55	0.719	6.78
and	298.00	304.00	1.423	6.00
and	314.00	324.14	1.124	10.14
incl.	314.00	316.00	2.72	2.00
TOG-18-63	383.00	392.50	1.163	9.50
incl.	387.00	391.78	1.468	4.78
OG18-042	106.35	106.56	1.49	0.21
and	110.90	111.20	2.38	0.30
and	114.33	116.50	1.690	2.17
and	124.00	124.40	5.54	0.40
and	134.05	138.08	0.851	4.03
and	180.35	183.25	0.845	2.90
OG18-043	83.63	84.83	2.64	1.20
and	105.68	106.45	7.12	0.77
and	114.25	116.20	3.250	1.95
and	139.20	140.10	1.90	0.90
and	144.55	147.55	3.186	3.00
and	175.82	178.15	2.138	2.33
OG18-044	282.53	284.25	2.903	1.72
and	313.60	314.90	3.01	1.30
OG18-045	55.05	55.77	3.35	0.72
OG18-045A	120.73	121.69	1.71	0.96
and	145.22	145.45	2.03	0.23
and	171.10	172.27	0.95	1.17
NZ18-001	48.00	50.00	1.305	2.00
and	111.50	115.14	0.906	3.64
NZ18-002	95.00	98.00	0.936	3.00
PH18-001	92.00	96.80	2.307	4.80

Figure 8: Drill Plan

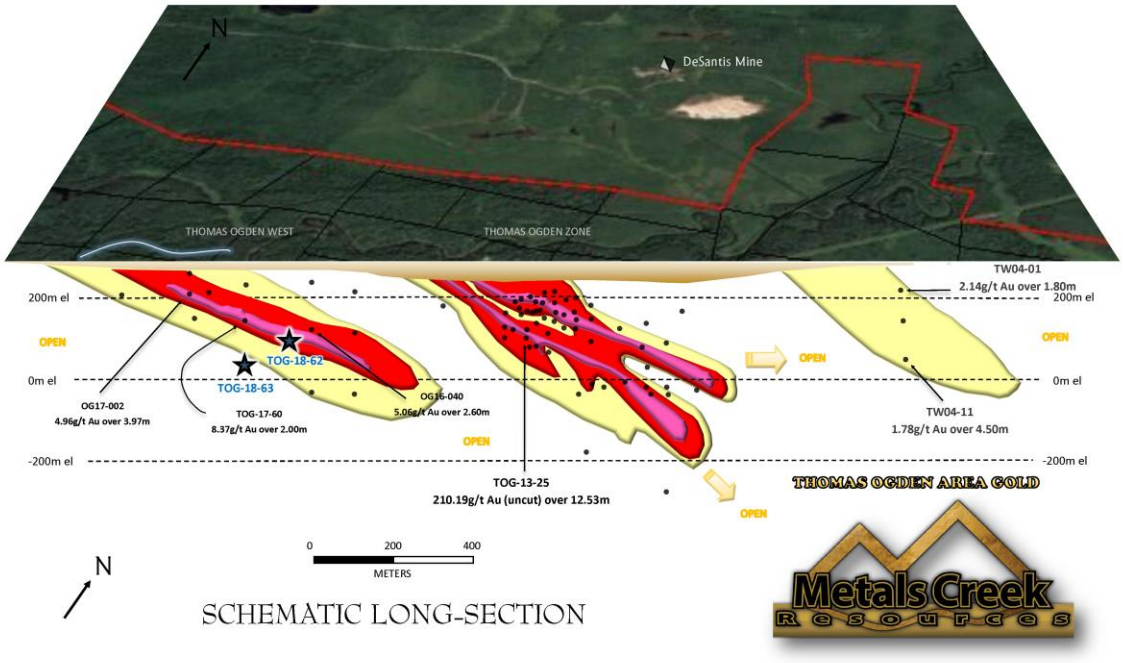


Figure 9: Thomas Ogden Schematic Longsection

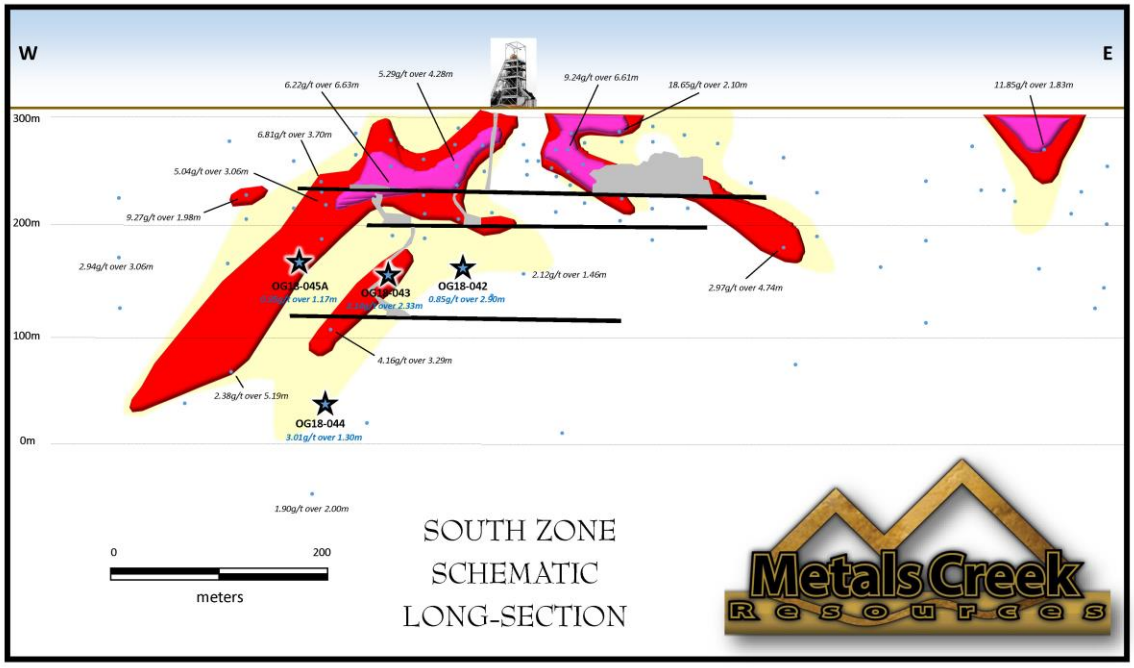


Figure 10: South Zone Schematic Longsection

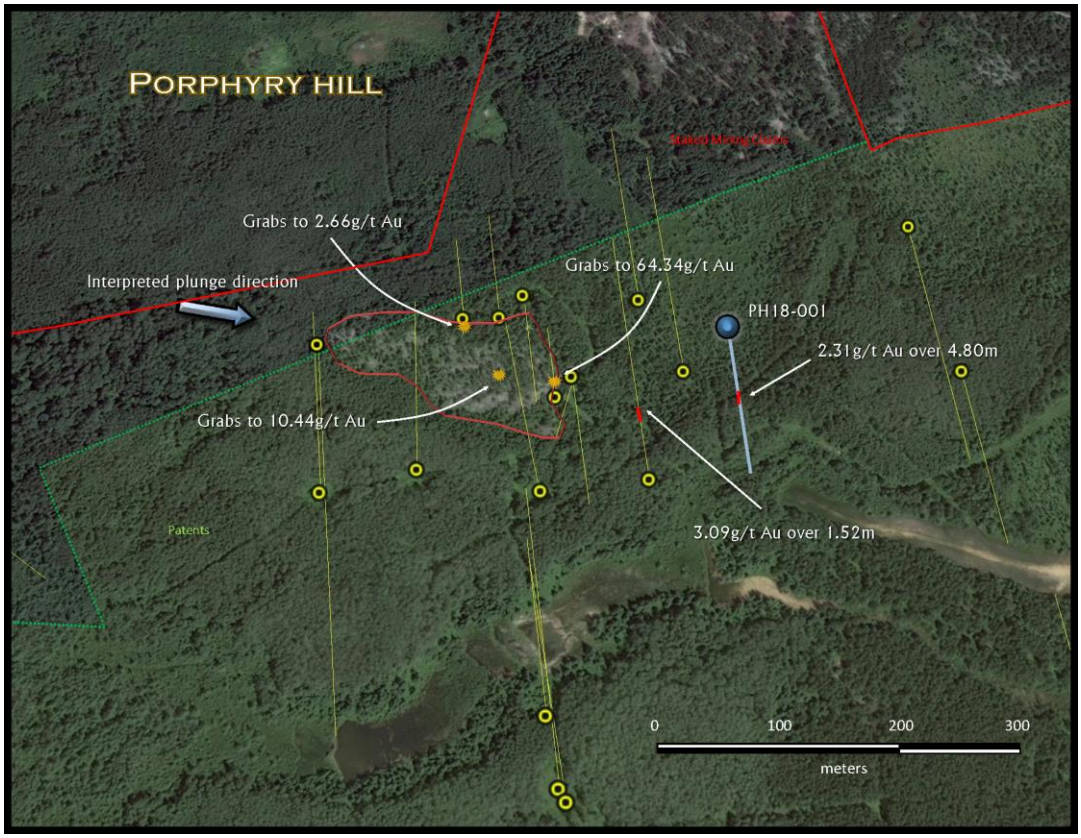


Figure 11: Porphyry Hill Area Drilling Plan

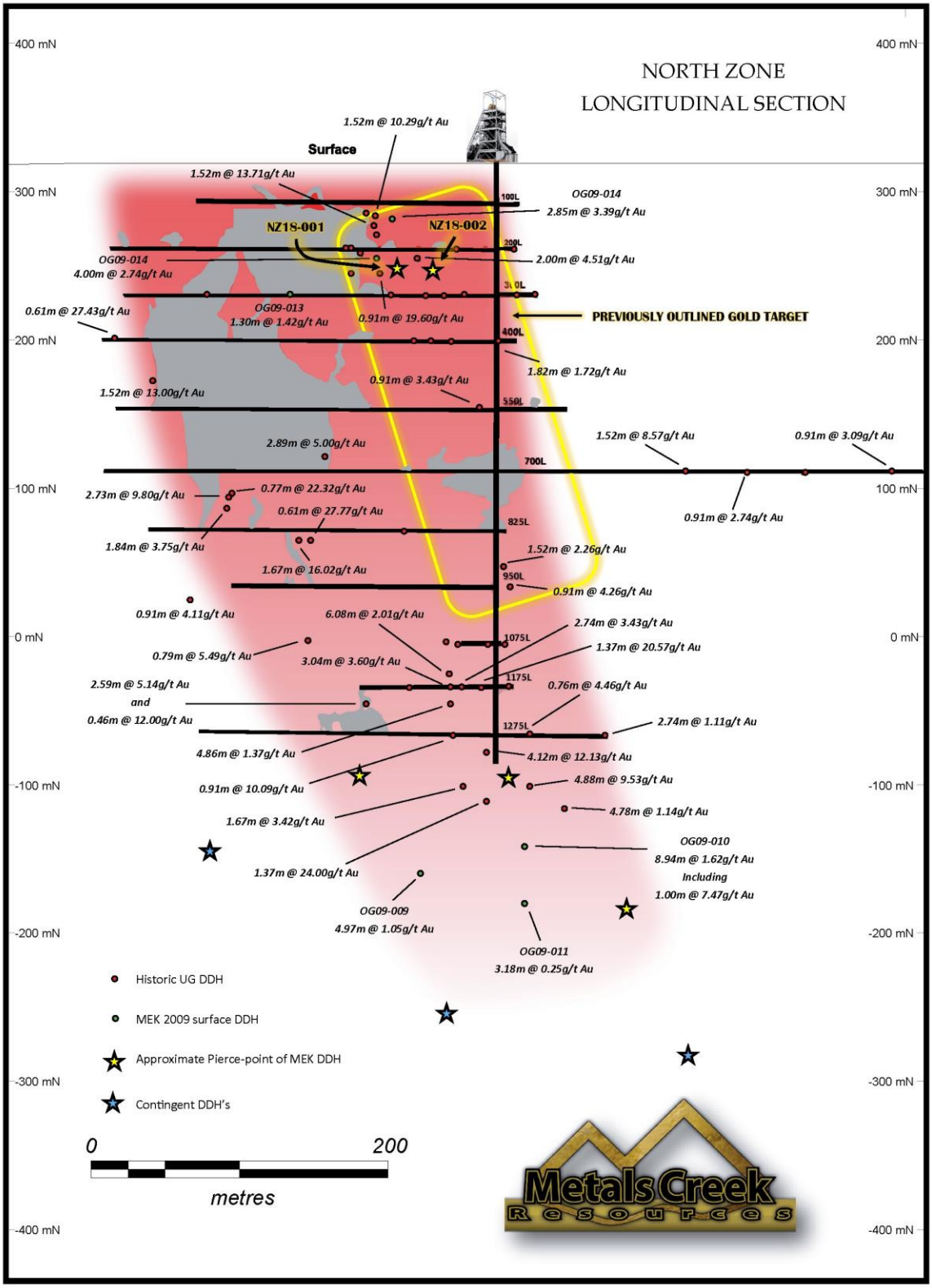


Figure 12: North Zone Schematic Longsection

MEK Sampling, Analytical Techniques and QAQC

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.

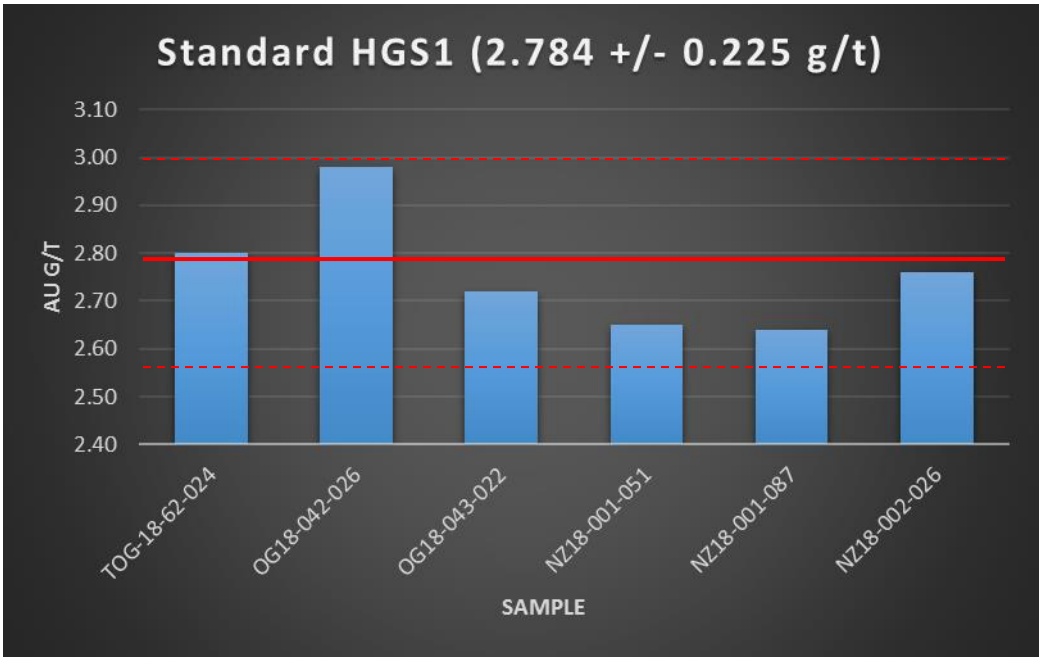
As a means of sample quality control, blank and standard samples were randomly inserted into the sampling series. Blank samples were inserted into the continuous sampling series and random positions were chosen within each set of 20 samples (e.g. 1 blank sample within samples 1 to 20, another blank sample within samples 21 to 40, etc). 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. Three different standards were used: HGS1, CDM-CN-2 and CDN-GS-3H. Five hundred and nineteen (519) core samples plus 23 additional blanks and 15 standards were sent to AGAT Laboratories and Activation Labs in Thunder Bay for gold analysis.

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

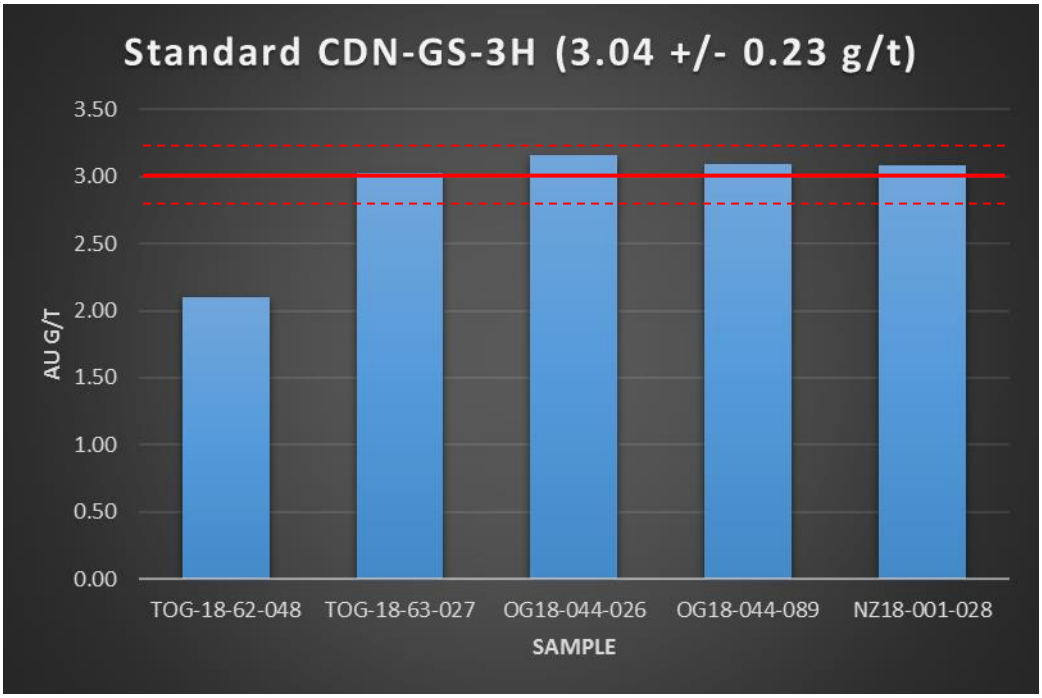
The re-assay protocol for drill core was as follows; any sample that assayed over 1g/t Au was to be re-run using gravimetrics and samples greater than 5.0g/t Au were re-assayed using coarse metallics. This re-run policy was put in place to ensure that checks were run on all anomalous samples as a check to see if any coarse gold grains were not making it through to the fire assay portion and 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.

Tracking of standard assay results is undertaken to ensure the quality of the assays is within the measureable limits set forth by the accredited lab producing the standards. The upper and lower limits of the standards are set at 2 standard deviations. Below are graphs for each standard used depicting results against where the values should be. One problematic result for sample TOG-18-62-048 can be seen on graph 2 that lies outside the 2 standard deviations. (Graphs 1,2 and 3)

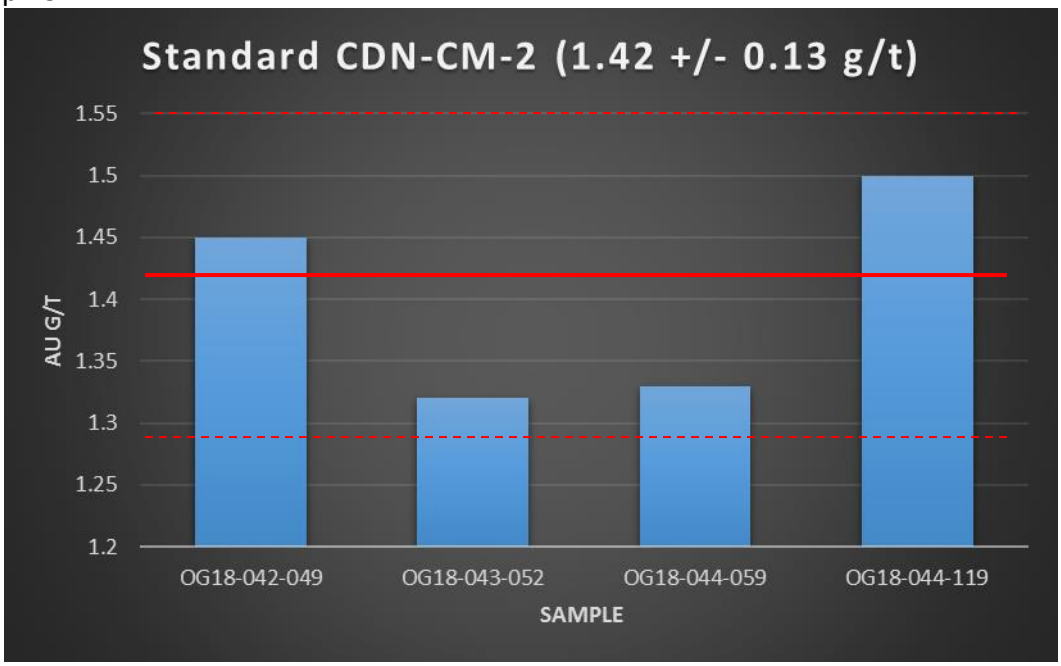
Graph 1



Graph 2

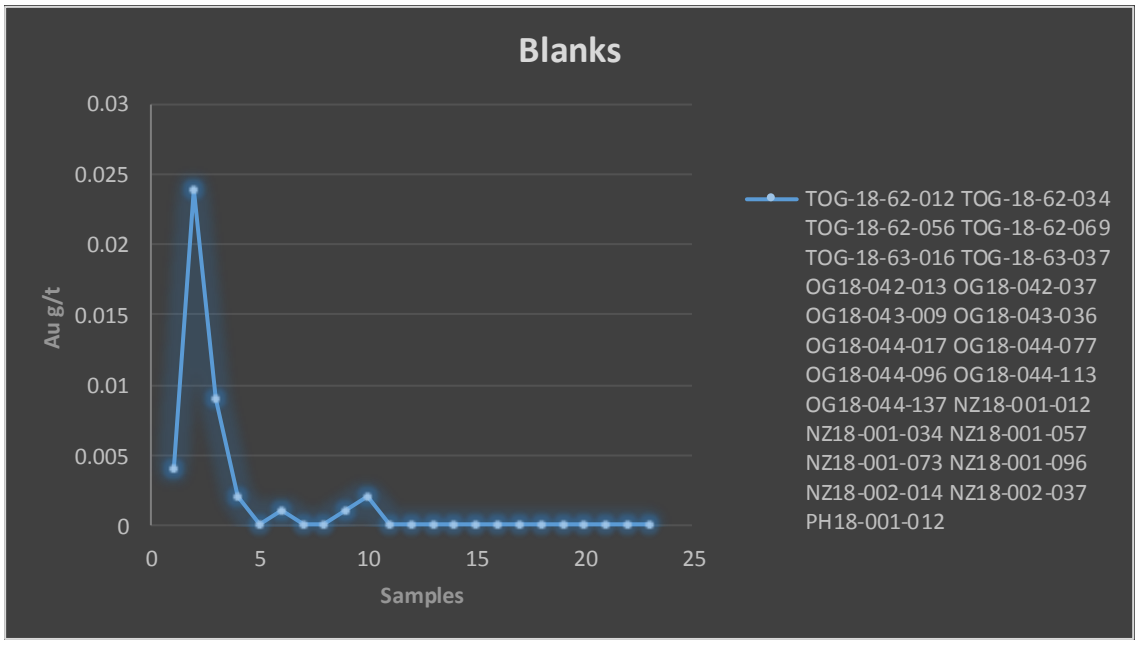


Graph 3



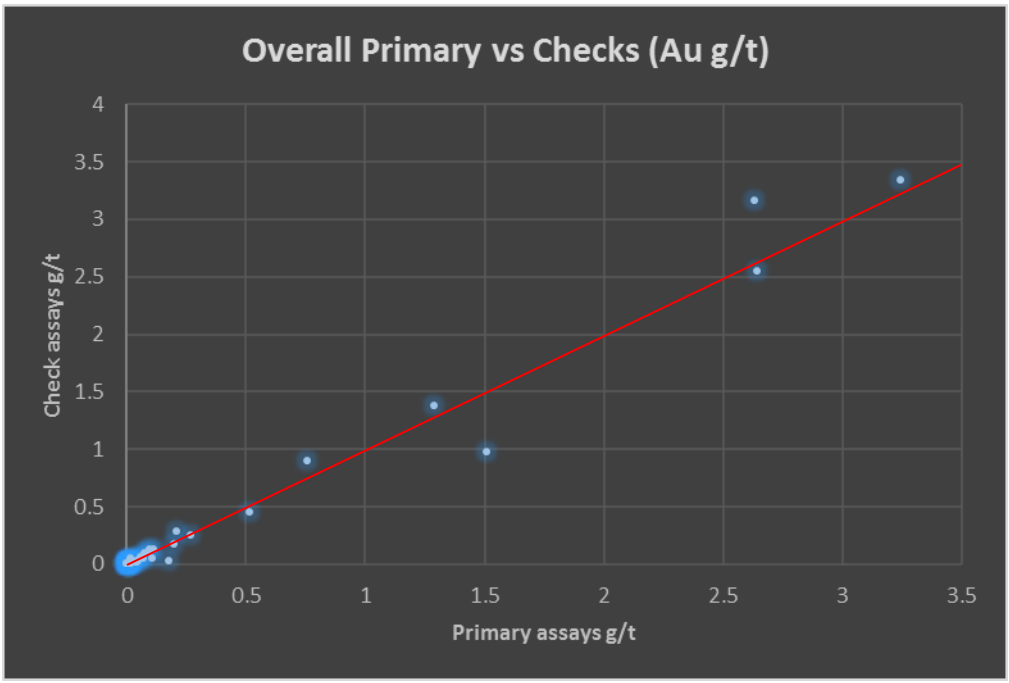
Pre-packaged silica fluor was purchased from an accredited laboratory and used as blanks with the assumption that the assays returned would be below 5ppb or 0.005g/t. As can see on the graph below, two samples returned assays above 0.005g/t, both from hole TOG-18-62. A problem appears to exist with hole TOG-18-62 assays, with one low standard and two high blanks coming from the same hole. (Graph 4)

Graph4



Approximately 10% or 57 of original samples were split as a reject and sent to a second lab for check assays to compare to the original assays to verify the accuracy of the fire assays. Statistics show that overall the results are very good with an R^2 value of 0.9853. The primary samples averaged 0.2548g/t versus 0.2586g/t for the check assays including 2 outlying samples that deviate away from the red line. (Graph 5)

Graph 5

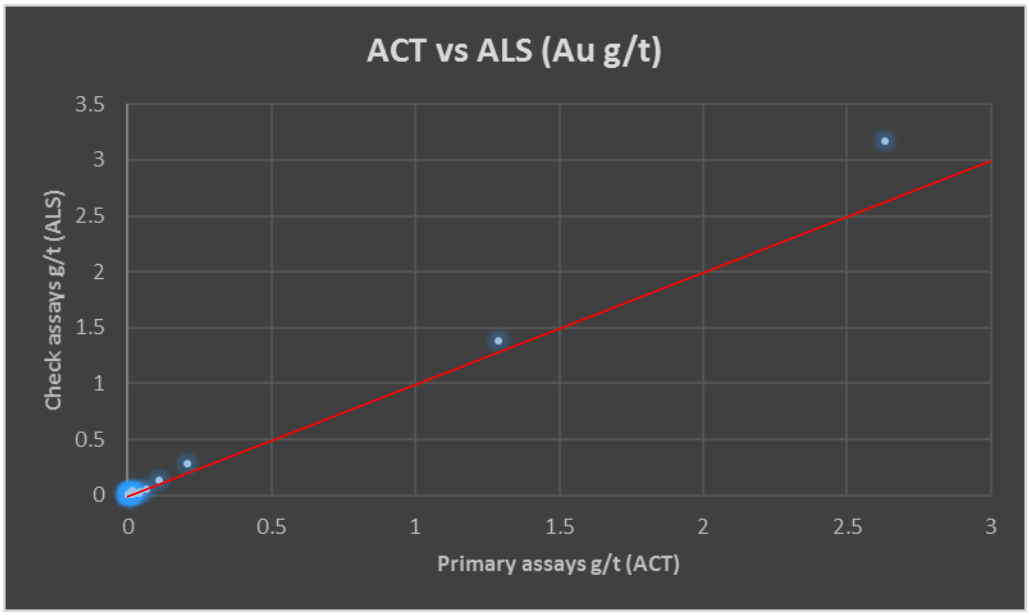


Graphing was done to chart primary Actlab assays versus check fire assays by ALS and found that consistently the ALS assays are higher in gold grade but certainly within reason. The Actlabs results average 0.1406g/t against 0.1630g/t for ALS resulting in an R^2 value of 0.8625 including the outlier, but by omitting the outlier, the averages are 0.0628g/t for Actlabs and 0.0690g/t for ALS resulting in an R^2 value of 0.9101. (Graph 6)

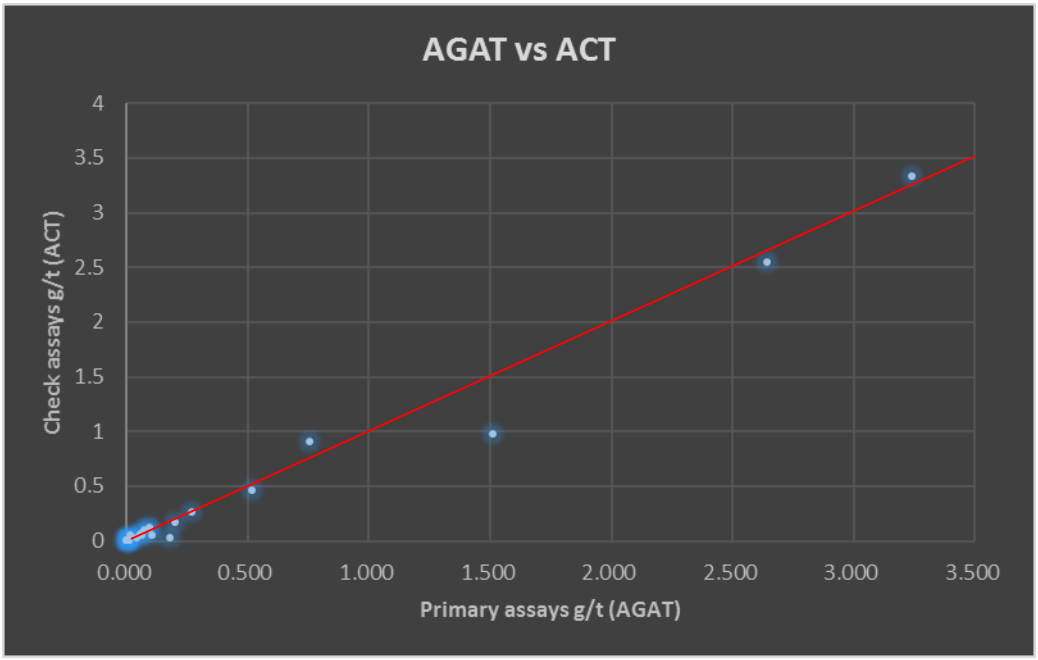
Graphing was also done to chart primary AGAT assays versus check fire assays by ACT (Graph 7) and found that the assays are essentially identical and average the same excluding one outlier sample (TOG-18-62-025). The AGAT results average 0.412g/t against 0.39g/t for Actlabs resulting in an R^2 value of 0.9466 including the outlier.

Since the outlier samples are generally higher in gold grade and samples are from reject split, it might be concluded that a slight nugget effect and inhomogeneity in the reject is present.

Graph 6



Graph 7



Below are AGAT Laboratories descriptions of analytical procedures…

Sample Preparation

The rock samples are first entered into AGAT Laboratories' Local Information Management System (LIMS). The samples are dried, if necessary, and then jaw crushed to 85% <10 mesh and a 250 to 500 gram sub-sample is normally taken for analysis. For pulp metallic analysis, a 1000 gram sub-sample, or the entire sample in cases where less than 1000 grams is available, is taken. The sub-sample is pulverized to 85% <200 mesh and then matted to ensure homogeneity. The homogeneous sample is then sent to the fire assay laboratory or the wet chemistry laboratory depending on the analysis required. For pulp metallic analysis, the sample is pulverized and screened with the >150 mesh material being re-pulverized and re-screened until approximately 50 grams remains. Samples of the <150 mesh pulp and all of the >150 mesh metallics portion are sent for fire assay (or acid digestion). Non-silica based sand is used to clean out the pulverizing dishes between each sample to prevent cross contamination.

Precious Metal Analysis

For the analysis of precious metals (gold, platinum, palladium and/or rhodium), each sample is mixed with a lead based flux and fused for one hour and fifteen minutes. Each sample has a silver solution added to it prior to fusion which allows each sample to produce a precious metal bead after cupellation. The fusing process results in lead buttons that contains all of the precious metals from the samples as well as the silver that is added. The buttons are then placed in a cupelling furnace where all of the lead is absorbed by the cupels and a silver bead, which contains any gold, platinum, palladium and rhodium, is left in each cupel. The cupels are removed from the furnace and allowed to cool. Once the cupels have cooled sufficiently, the silver bead from each is placed in an appropriately labeled test tube and digested using aqua regia. The samples are allowed to cool and are bulked up to 5 ml with distilled de-ionized water (a 1% digested lanthanum solution is used when precious metals other than gold are being determined). They are then mixed to ensure proper homogeneity of the solutions. Once the samples have settled, they are analyzed for gold (as well as platinum, palladium and rhodium as the case may be) using atomic absorption (air-acetylene flame) or ICP spectroscopy. The atomic absorption or ICP instrument is calibrated for each element using the appropriate ISO 9002 certified standards. The results for the instrumental analysis are checked by the technician and then forwarded to data entry by means of electronic transfer and a certificate is produced. The Laboratory Manager checks the data and validates the certificates and issues the results in the client requested format.

Gravimetric Analysis

For the gravimetric analysis of gold, each pulp sample (after processing in sample preparation, if required) is mixed with a lead based flux. An inquart of silver solution is added prior to fusion for one hour and fifteen minutes at 1050 C.

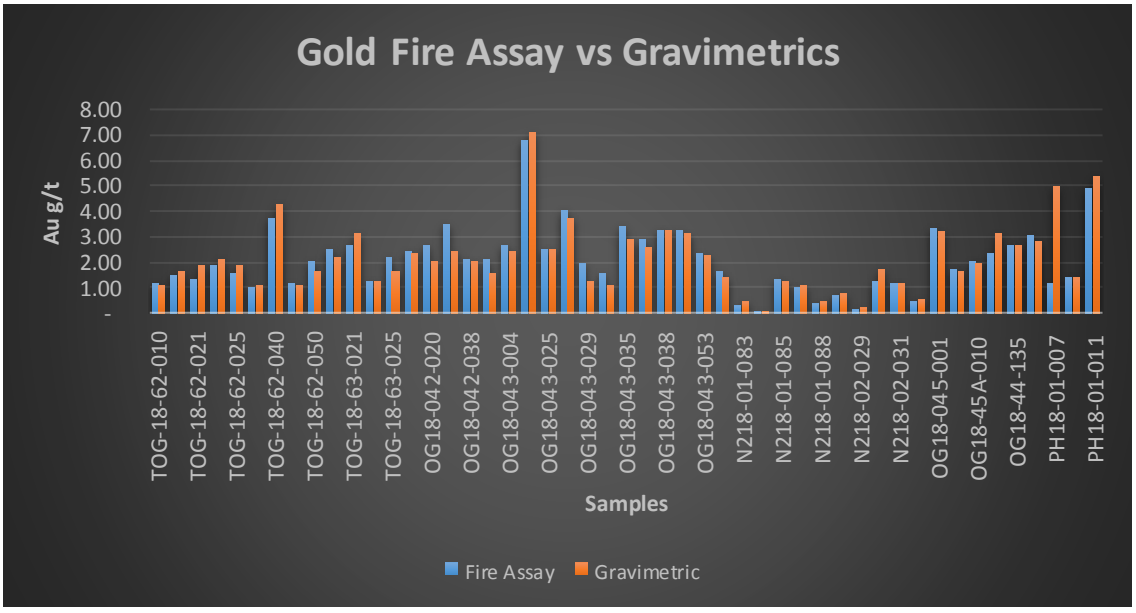
The lead buttons which result from the fusion process contain all of the gold from the samples as well as the silver that was added. The buttons are placed in a cupeling furnace at 950 C where all of the lead is either volatilized or absorbed by the cupels. This generates a prill or dore bead for each sample consisting of the silver plus any gold present.

Once the cupels have cooled sufficiently, the bead from each is placed in an appropriately labeled test tube. The dore bead is then transferred to a porcelain crucible and the silver is dissolved with dilute nitric acid, at around 90 C. The remaining gold is washed, removing the silver solution from the crucible. The residual wash material is then removed using both decanting and evaporation. The resulting gold flakes are annealed into a gold bead and weighed using a micro balance. A simple weight comparison is used to mathematically calculate the amount of gold in the sample. Note: This method is restricted to samples which contain sufficient gold to allow an accurate weight to be determined, generally samples above 1 g/t.

Quality Control

AGAT Laboratories employs an internal quality control system that tracks certified reference materials and in-house quality assurance standards. AGAT Laboratories uses reference materials purchased from other suppliers. Should any of the standards fall outside the warning limits (+/- 2SD); reassays will be performed on 10% of the samples analyzed in the same batch and the reassay values are compared with the original values. If the values from the reassays match original assays the data is certified, if they do not match the entire batch is reassayed. Should any of the standards fall outside the control limit (+/- 3SD) all assay values are rejected and all of the samples in that batch will be re-assayed.

Graph 8



When comparing the results of 49 samples for fire assay versus gravimetics as in graph 8, the results are very comparable on average and the difference for the most part is fairly insignificant. Of the 49 samples run with gravimetircs, 29 samples decreased in grade by an average of 0.27g/t Au, 19 samples increased by an average of 0.28g/t Au excluding anomalous sample PH18-001-007 that increased from 1.17g/t to 5.0g/t. One sample yielded an identical assay from both methods. An overall average grade for all 49 fire assays returned 2.08g/t and an average grade of 2.10g/t including the said anomalous sample. Excluding sample PH18-001-007 drops the gravimetric average to 2.04g/t Au. Interesting to note is the gravimetric results of the South Zone and North Zone holes generally decrease with increased sulphides and less visible gold in the core. Thomas Ogden and Porphyry Hill that are more silicous with generally less sulphides tend to have gravimetric assays increase.

Conclusions and Recommendations

Although the grades were not of economic values in all of the holes, theories were tested and the geological information gained was invaluable. The TOZ holes to the west show the alteration and sulphidization within the sediments to continue. As a result of hole TOG-18-63, it is evident that the folding within the Thomas Ogden West is more complex than first thought. The plunge of the higher-grade gold shoot(s) in Thomas Ogden West are likely steeper than the anticipated 20-25^{o}. Oriented core is highly recommended to get a feel for orientation of structures; in particular late quartz structures that often carry free visible gold. A detailed three-dimensional model of stratigraphy should continue to take place before further drilling is conducted.

The South Zone drilling has shown numerous hanging-wall zones of mineralization in addition to the main zone that was the original focus of mining. These features are narrow shear zones of weak to strong pervasive albitization/arsenopyritization dipping steeply south like the main zone. The hanging-wall zones are fairly extensive and can be traced section to section but pinch and swell considerably with inconsistent gold grades.

Little work has taken place on North Zone by MEK and as a result it still remains unclear what the ore-grade material in this zone looks like definitively. The two shallow holes drilled in 2018 cut both green and fe-carbonates with quartz veining but failed to produce economic grades close to historic workings; perhaps all economic material has been mined out near surface. It is recommended that future work on this zone consist of deeper drilling beneath historic mining.

Previous prospecting of the large outcropping of porphyry at Porphyry Hill has produced high-grade grab samples to 64.34g/t Au from narrow shears of alteration but drilling has not been successful in returning any significant intercepts for grade or width there. MEK drilled hole PH18-001 east of the large hill stepping out 100m east of historic intercept 3.09g/t Au over 1.52m and returned 2.31g/t Au over 4.80m from silicous and fractured porphyry bound by immensely strained ultramafics. Although not of significant width near surface, the gold grades make this area an interesting target. Magnetic inversions are recommended for this area to perhaps determine orientations to the porphyry body and if the porphyry increases in width at depth.

Expenditures

Expenditures incurred for the 2018 diamond drilling program

Applicant: **Metals Creek Resources**
Project: **OGDEN**

Category	Invoice #	Invoice Date (mm/dd/yyyy)	Supplier	Description	Total Expenditures	
Drill Contractor	5716-22	February 28, 2018	Norex Drilling Ltd.	Diamond Drilling	$	61,593.99
	5746-22	March 15, 2018	Norex Drilling Ltd.	Diamond Drilling	$	64,918.07
	5765-22	March 31, 2018	Norex Drilling Ltd.	Diamond Drilling	$	82,640.41
	5766	March 31, 2018	Norex Drilling Ltd.	Downnhole survey tool rental	$	2,204.00
				Subtotal	**$**	**211,356.47**
Assays	18465036M	March 29, 2018	AGAT Laboratories	75 Au fire assays	$	1,949.25
	18471054M	April 24, 2018	AGAT Laboratories	42 Au fire assays + 4 grav	$	1,141.30
	18471057M	April 24, 2018	AGAT Laboratories	53 Au fire assays + 5 grav	$	1,437.46
	18471059M	April 24, 2018	AGAT Laboratories	55 Au fire assays + 11 grav	$	1,604.60
	A18-03888	April 19, 2018	Actlabs	332 Au fire assay + 20 grav	$	6,391.28
	A18-02798	March 16, 2018	Actlabs	8 check Au fire assays	$	144.64
	A18-04273	April 19, 2018	Actlabs	16 check Au fire assays	$	293.80
	4255752	April 23, 2018	ALS	33 check Au fire assays	$	846.67
				Subtotal	**$**	**13,809.00**
Core Shack	2018-425	March 25, 2018	Polk Geological Services	Core Shack rental	$	4,135.44
				Subtotal	**$**	**4,135.44**
Labour	N/A	Feb 19-Mar 27, 2018	Don Heerema	drilling supervision/logging	$	11,165.00
	N/A	Feb 24-Mar 2, 2018	Sandy Stares	core cutting/management	$	4,305.00
	N/A	Mar 06-Mar 27,2018	Mike MacIsaac	core cutting/management	$	5,380.00
				Subtotal	**$**	**20,850.00**
Accommodations	73882	March 2, 2018	Travelodge Timmins	11 night stay	$	1,515.58
	73883	March 2, 2018	Travelodge Timmins	6 night stay	$	826.68
	74161	March 15, 2018	Travelodge Timmins	7 night stay	$	741.02
	74370	March 27,2018	Travelodge Timmins	16 night stay	$	1,701.76
	74371	March 27, 2018	Travelodge Timmins	3 night stay	$	319.50
				Subtotal	**$**	**5,104.54**
				Total	**$**	**255,255.45**

References

Brown, P.
2005: Porcupine Joint Venture Report on the 2005 Exploration Program Timmins West Project Ogden and Thorneloe Twps. Timmins, Ont.

Heerema, D.
2017: Ogden 2016 JEAP Final Report

Heerema, D.
2018: Ogden 2017 JEAP Final Report

Kirwin, L, J.
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:

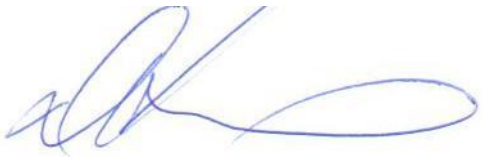
1. I am a practicing geologist in Thunder Bay, Ontario and reside at 26 Burriss Street, Thunder Bay, Ontario, P7A 3C9.

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.
7. 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 22, 2019

APPENDIX I

PLAN MAP AND DRILL SECTIONS

S

N

patent parcel # 9878 SEC

patent parcel # 5681 SEC

1.13g/t Au over 21.60m
including
8.37g/t Au over 2.00m

1.21g/t Au over 24.80m
including
2.19g/t Au over 6.80m

1.16g/t Au over 9.50m

TOG-17-61

TOG-17-60

TOG-18-63

TOG-18-63
471002mE, 5362073mN
Azi = 330°, dip -45°
Length = 436m

Geological Legend

I.DK = late masive intermediate dikes

F.DK = silicous felsic dikes

FP12 = feldspar porphyry

FP10 = massive and porphyritic felsite

ST8 = argillites

ST6 = interbeded greywackes and argillites

ST7 = greywackes

ST2 = pebble conglomerates

SS = silicous metasediments

UM = ultramafic flows (extremely strained)

VM = chlorite schist (extremely strained)

VI1 = fragmentals and tuffs (Deloro)

FZ = fault zone

THOMAS OGDEN ZONE

Section TZ_2200W

-50 0 50

Scale 1:1000

Metals Creek Resources

0.0 X
100.0 X
200.0 X
300.0 X
400.0 X

S
N

300.0 Y
200.0 Y
100.0 Y
0.0 Y
-100.0 Y
-200.0 Y
-300.0 Y
-400.0 Y

patent parcel # 4123 SEC
patent parcel # 5681 SEC

Geological Legend

I.DK = late masive intermediate dikes
F.DK = silicous felsic dikes
FP12 = feldspar porphyry
FP10 = massive and porphyritic felsite
ST8 = argillites
ST6 = interbeded greywackes and argillites
ST7 = greywackes
ST2 = pebble conglomerates
SS = silicous metasediments
UM = ultramafic flows (extremely strained)
VM = chlorite schist (extremely strained)
VI1 = fragmentals and tuffs (Deloro)

FZ = fault zone

0.72g/t Au over 6.78m

1.42g/t Au over 6.00m

1.12g/t Au over 10.14m

lost hole

TOG-17-55

TOG-18-62

TOG-18-62
471096mE, 5362155mN
Azi = 320°, Dip -45°
Length = 381m

THOMAS OGDEN ZONE

Section TZ_2100W

-50 0 50
Scale 1:1000

Metals Creek Resources

S

N

patent parcel #
14424 SEC

South Zone

1.31g/t Au over 2.00m

0.91g/t Au over 3.64m

NZ18-001
474760mE, 5363278mN
Azi = 0°, Dip = -45°
Length = 144m

Geological Legend

I.DK = late masive intermediate dikes

F.DK = silicous felsic dikes

FP12 = feldspar porphyry

FP10 = massive and porphyritic felsite

ST8 = argillites

ST6 = interbeded greywackes and argillites

ST7 = greywackes

ST2 = pebble conglomerates

SS = silicous metasediments

UM = ultramafic flows (extremely strained)

VM = chlorite schist (extremely strained)

VI1 = fragmentals and tuffs (Deloro)

FZ = fault zone

NORTH ZONE

Section NZ18-001

-50 0 50

Scale 1:1000

Metals Creek Resources

-100.0 X 0.0 X 100.0 X 200.0 X 300.0 X

300.0 Y 200.0 Y 100.0 Y 0.0 Y -100.0 Y -200.0 Y -300.0 Y

S

N

patent parcel #
14424 SEC

South Zone

0.94g/t Au over 3.00m

NZ18-002
474794mE, 5363278mN
Azi = 0°, Dip = -47°
Length = 138m

Geological Legend

I.DK = late masive intermediate dikes

F.DK = silicous felsic dikes

FP12 = feldspar porphyry

FP10 = massive and porphyritic felsite

ST8 = argillites

ST6 = interbeded greywackes and argillites

ST7 = greywackes

ST2 = pebble conglomerates

SS = silicous metasediments

UM = ultramafic flows (extremely strained)

VM = chlorite schist (extremely strained)

VI1 = fragmentals and tuffs (Deloro)

FZ = fault zone

NORTH ZONE

Section NZ18-002

-50 0 50

Scale 1:1000

Metals Creek Resources

S

N

patent parcel #
4200 SEC

2.31g/t Au over 4.8m

Geological Legend

I.DK = late masive intermediate dikes

F.DK = silicous felsic dikes

FP12 = feldspar porphyry

FP10 = massive and porphyritic felsite

ST8 = argillites

ST6 = interbeded greywackes and argillites

ST7 = greywackes

ST2 = pebble conglomerates

SS = silicous metasediments

UM = ultramafic flows (extremely strained)

VM = chlorite schist (extremely strained)

VI1 = fragmentals and tuffs (Deloro)

FZ = fault zone

PH18-001

PH18-001
474029mE, 5363365mN
Azi = 180°, Dip = -59°
Length = 198m

PORPHYRY HILL ZONE

Section PH_125E

-50 0 50

Scale 1:1000

Metals Creek Resources

500.0 X 600.0 X 700.0 X 800.0 X 900.0 X

300.0 Y 200.0 Y 100.0 Y 0.0 Y -100.0 Y -200.0 Y -300.0 Y

S

N

patent parcel #
14423 SEC

patent parcel #
8441 SEC

OG18-045A
474646mE, 5363011mN
Azi = 0°, Dip = -47°
Length = 98m

OG18-045

1.71g/t Au over 0.96m

8613

8614

OG18-045A

OG18-045A
474646mE, 5363007.5mN
Azi = 0°, Dip = -49°
Length = 183m

Geological Legend

I.DK = late masive intermediate dikes

F.DK = silicous felsic dikes

FP12 = feldspar porphyry

FP10 = massive and porphyritic felsite

ST8 = argillites

ST6 = interbeded greywackes and argillites

ST7 = greywackes

ST2 = pebble conglomerates

SS = silicous metasediments

UM = ultramafic flows (extremely strained)

VM = chlorite schist (extremely strained)

VI1 = fragmentals and tuffs (Deloro)

FZ = fault zone

SOUTH ZONE

Section SZ_810W

-50 0 50

Scale 1:1000

Metals Creek Resources

100.0 X 200.0 X 300.0 X 400.0 X 500.0 X

300.0 Y 200.0 Y 100.0 Y 0.0 Y -100.0 Y -200.0 Y -300.0 Y

S

N

100.0 X

200.0 X

300.0 X

400.0 X

500.0 X

patent parcel #
8441 SEC

300.0 Y

200.0 Y

100.0 Y

0.0 Y

-100.0 Y

-200.0 Y

-300.0 Y

Geological Legend

I.DK = late masive intermediate dikes

F.DK = silicous felsic dikes

FP12 = feldspar porphyry

FP10 = massive and porphyritic felsite

ST8 = argillites

ST6 = interbeded greywackes and argillites

ST7 = greywackes

ST2 = pebble conglomerates

SS = silicous metasediments

UM = ultramafic flows (extremely strained)

VM = chlorite schist (extremely strained)

VI1 = fragmentals and tuffs (Deloro)

FZ = fault zone

8619

8844

8843

OG15-039

OG17-041

2.90g/t Au over 1.72m

3.01g/t Au over 1.30m

OG18-044

OG10-002

OG18-044
474676mE, 5362914mN
Azi = 358°, Dip = -59°
Length = 387m

SOUTH ZONE

Section SZ_780W

-50 0 50

Scale 1:1000

Metals Creek Resources

S

N

patent parcel # 8441 SEC

patent parcel # 14424 SEC

3.25g/t Au over 1.95m

3.19g/t Au over 3.00m

2.14g/t Au over 2.33m

8610

TW04-08

OG11-002

OG09-014

8846

OG18-043

OG18-043
474736mE, 5363064mN
Azi = 359°, Dip = -59°
Length = 225m

Geological Legend

I.DK = late masive intermediate dikes

F.DK = silicous felsic dikes

FP12 = feldspar porphyry

FP10 = massive and porphyritic felsite

ST8 = argillites

ST6 = interbeded greywackes and argillites

ST7 = greywackes

ST2 = pebble conglomerates

SS = silicous metasediments

UM = ultramafic flows (extremely strained)

VM = chlorite schist (extremely strained)

VI1 = fragmentals and tuffs (Deloro)

FZ = fault zone

SOUTH ZONE

Section SZ_720W

-50 0 50

Scale 1:1000

Metals Creek Resources

200.0 X 300.0 X 400.0 X 500.0 X 600.0 X

300.0 Y 200.0 Y 100.0 Y 0.0 Y -100.0 Y -200.0 Y -300.0 Y

S

N

patent parcel #
8441 SEC

Geological Legend

I.DK = late masive intermediate dikes
F.DK = silicous felsic dikes
FP12 = feldspar porphyry
FP10 = massive and porphyritic felsite
ST8 = argillites
ST6 = interbeded greywackes and argillites
ST7 = greywackes
ST2 = pebble conglomerates
SS = silicous metasediments
UM = ultramafic flows (extremely strained)
VM = chlorite schist (extremely strained)
VI1 = fragmentals and tuffs (Deloro)

FZ = fault zone

1.69g/t Au over 2.17m

0.85g/t Au over 4.03m

0.85g/t Au over 2.90m

OG10-032
8847
8848
8617
TW04-09
8618
NZ18-0
OG18-042

OG18-042
474796mE, 5363023mN
Azi = 359°, Dip = -50°
Length = 192m

200.0 Y
300.0 Y
100.0 Y
0.0 Y
-100.0 Y
-200.0 Y
-300.0 Y

200.0 X
300.0 X
400.0 X
500.0 X
600.0 X

SOUTH ZONE

Section SZ_660W

-50 0 50
Scale 1:1000

Metals Creek Resources

NORTH

TOG-18-63

1.16g/t Au over 9.50m

TOG-18-62

1.24g/t Au over 10.14m

1.43g/t Au over 6.00m

PATENT 5681 SEC

PATENT 4123 SEC

PATENT 9878 SEC

TOG-18-62
471096mE, 5362155mN
Azi = 320º, Dip = -45º
Length = 381m

TOG-18-63
471002mE, 5362073mN Azi = 330º, Dip = -45º
Length = 436m

-100 0 100
Scale 1:500

-1000 0 1000
Scale 1:25000

5362200.00 Y

5362200.00

NORTH

Metals Creek Resources

PH18-001
474029mE, 5363365mN
Azi = 180°, Dip = -59°
Length = 198m

2.31g/t Au over 4.80m

PATENT 4200 SEC

PATENT 14424 SEC

NZ18-001
474760mE, 5363278mN
Azi = 0°, Dip = -45°
Length = 144m

0.91g/t Au over 3.64m

1.31g/t Au over 2.00m

NZ18-002
474794mE, 5363278mN
Azi = 0°, Dip = -47°
Length = 138m

0.94g/t Au over 3.00m

OG18-043
474736mE, 5363064mN
Azi = 359°, Dip = -59°
Length = 225m

2.14g/t Au over 2.33m

3.19g/t Au over 3.00m

3.25g/t Au over 1.95m

OG18-042
474796mE, 5363023mN
Azi = 0°, Dip = -50°
Length = 192m

0.86g/t Au over 2.90m

0.85g/t Au over 4.03m

1.69g/t Au over 2.17m

OG18-045 (lost)
474646mE, 5363011mN
Azi = 0°, Dip = -47°
Length = 98m

OG18-045A
474646mE, 5363007.5mN
Azi = 0°, Dip = -49°
Length = 183m

OG18-044
474676mE, 5362914mN
Azi = 358°, Dip = -59°
Length = 387m

2.90g/t Au over 1.72m

PATENT 14423 SEC

PATENT 8441 SEC

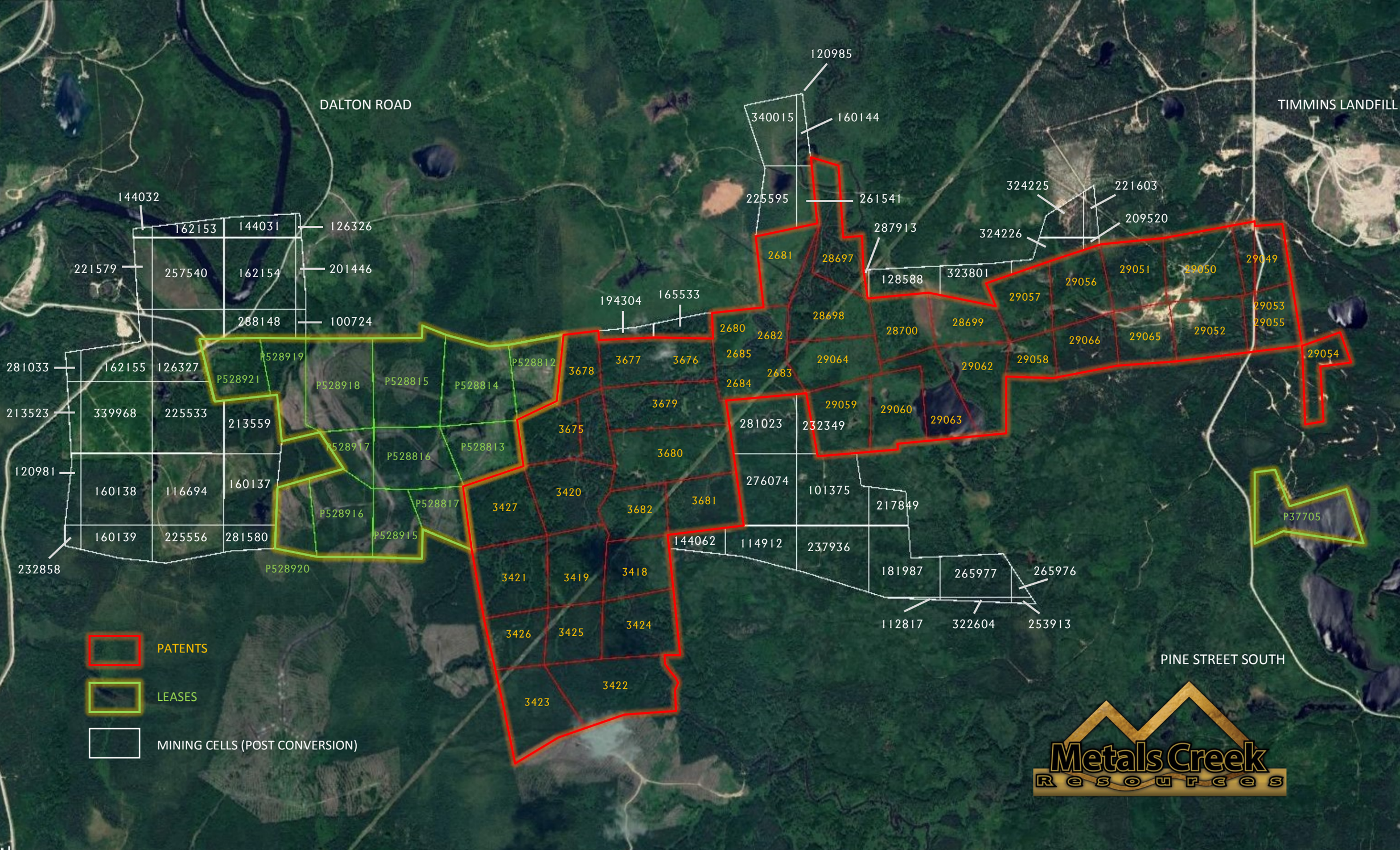
-100 0 100
Scale 1:1000

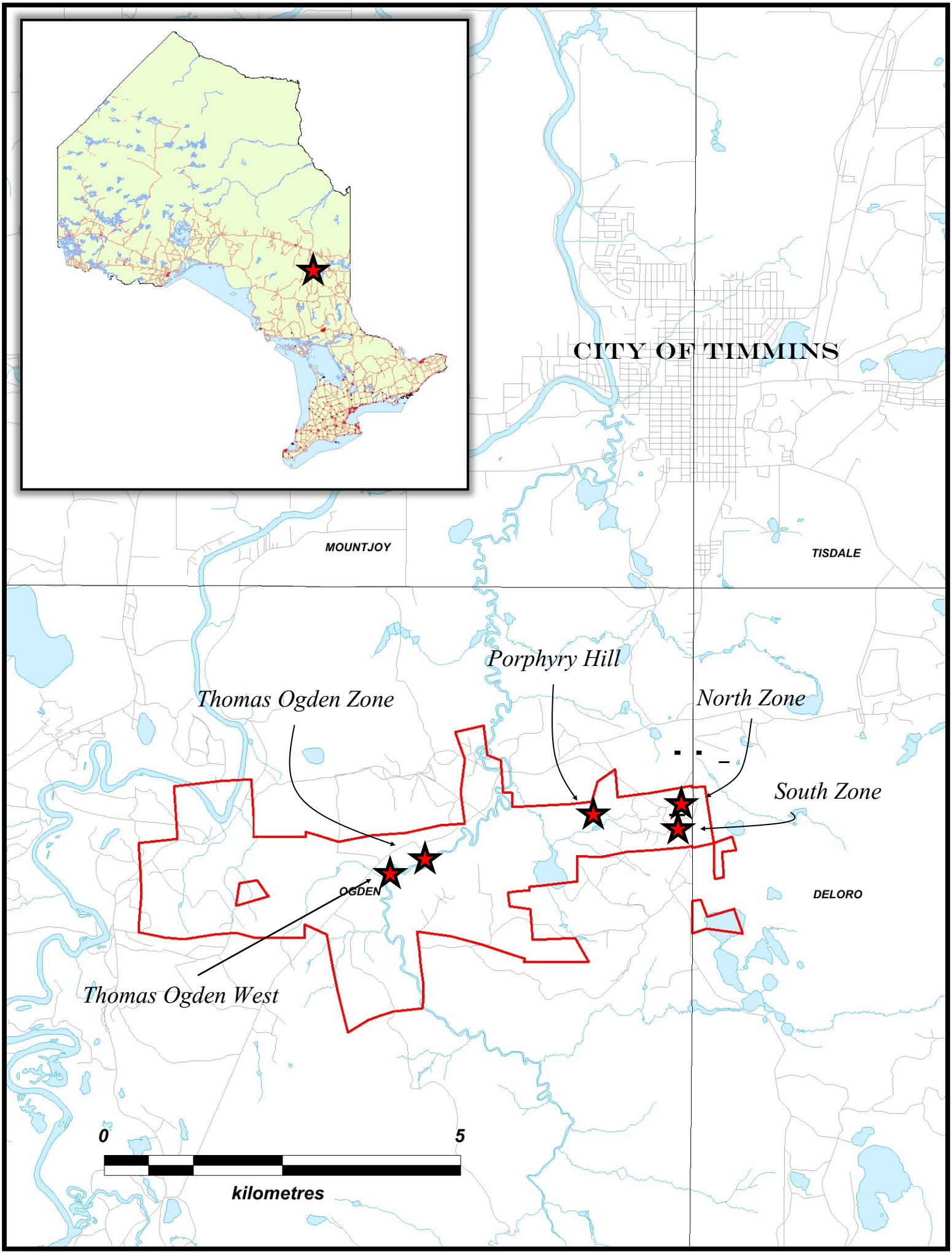
-1000 0 1000
Scale 1:25000

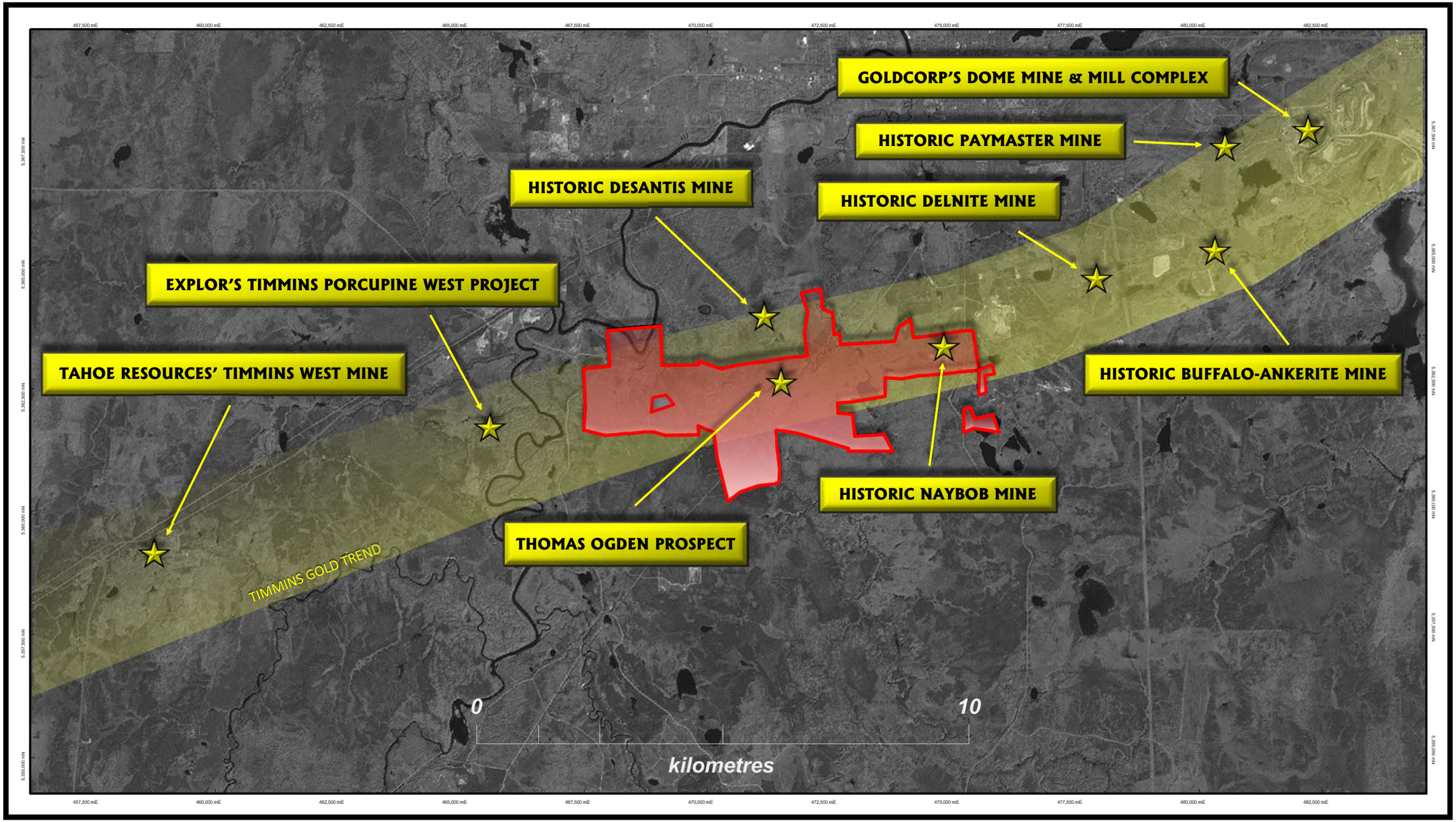
5363400.00 Y
5363200.00 Y
5363000.00 Y
5362800.00 Y
474000.0 X
474200.0 X
474400.0 X
474600.0 X
474800.0 X

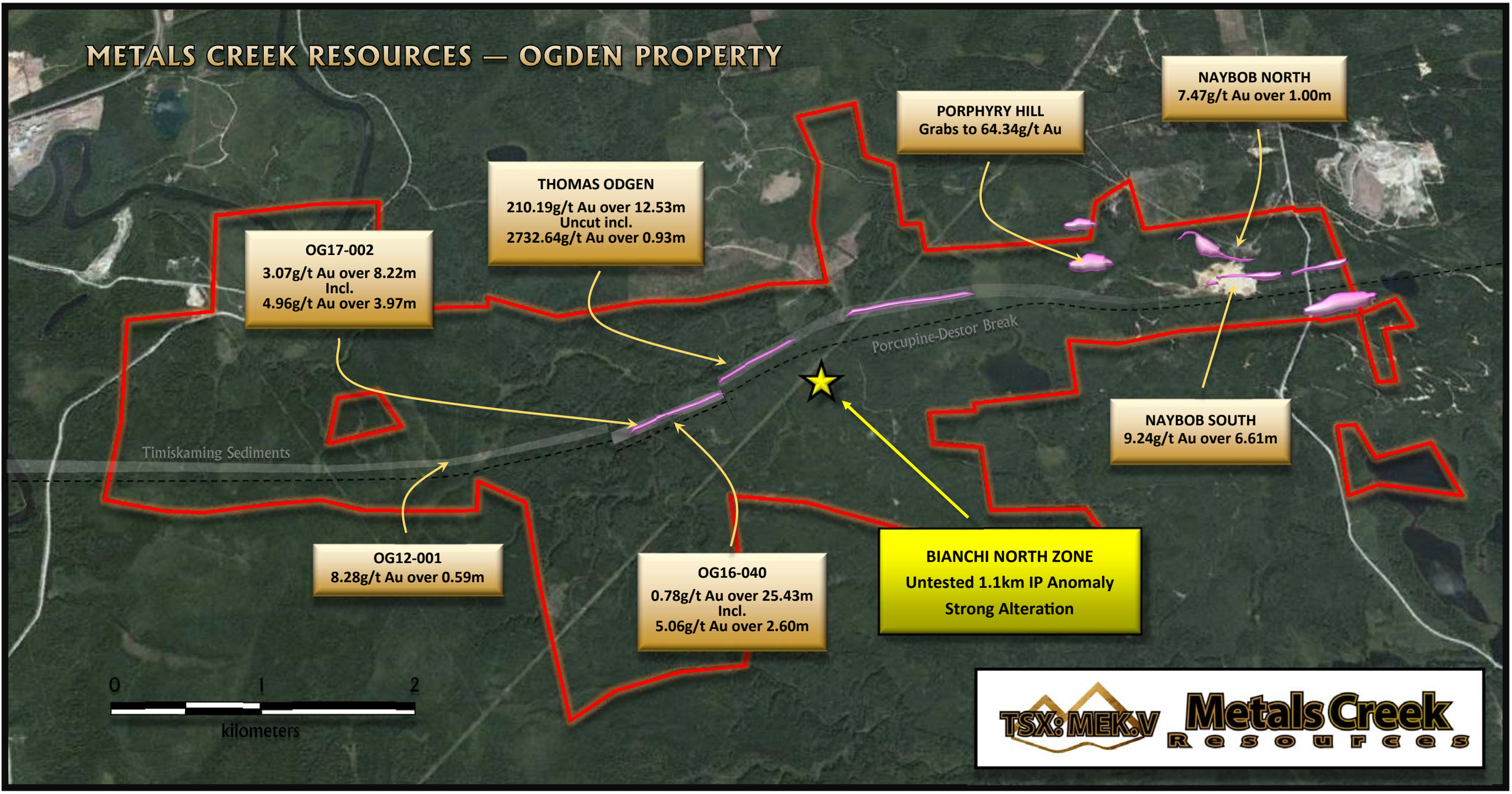
APPENDIX II

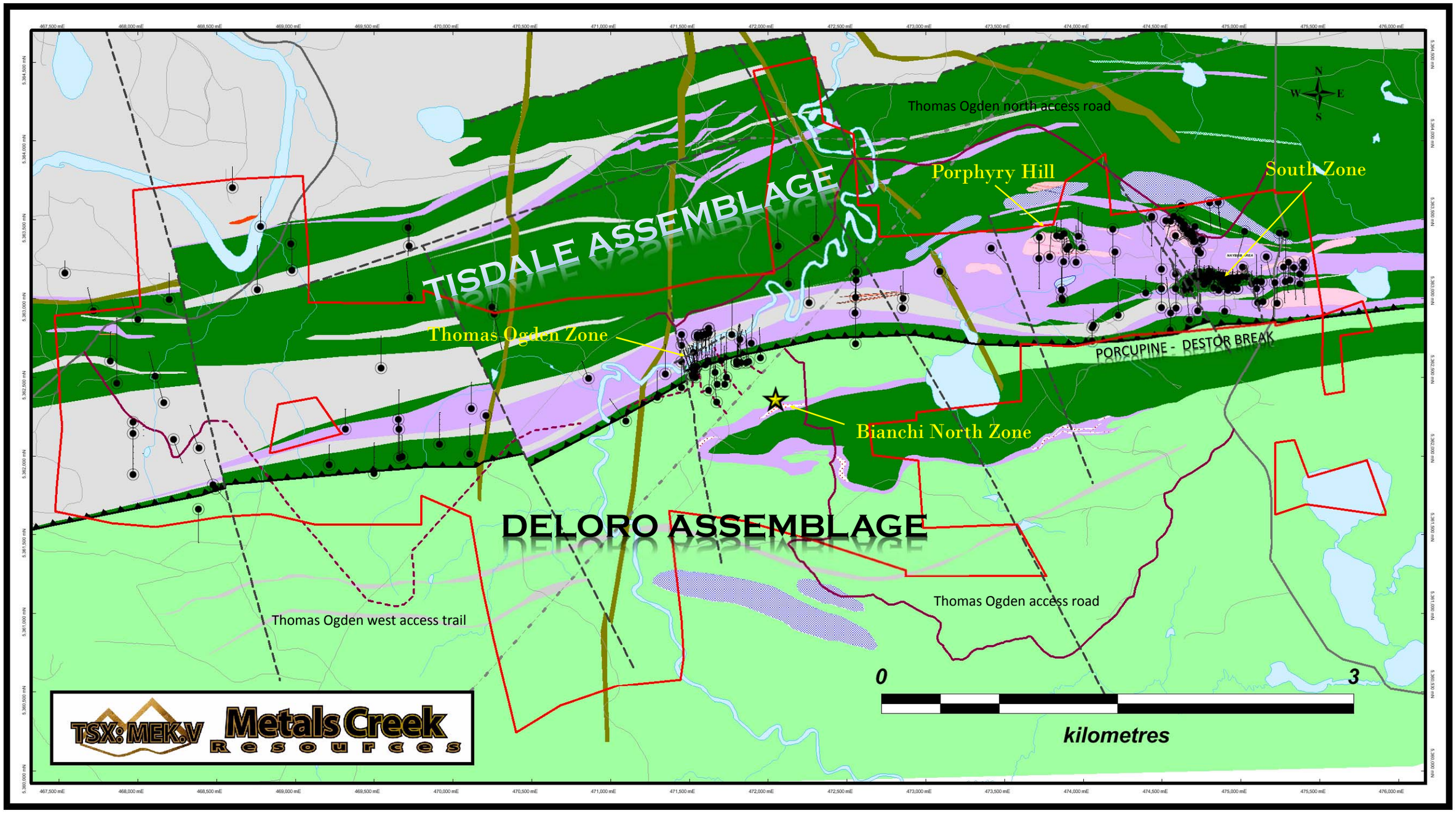
MAPS

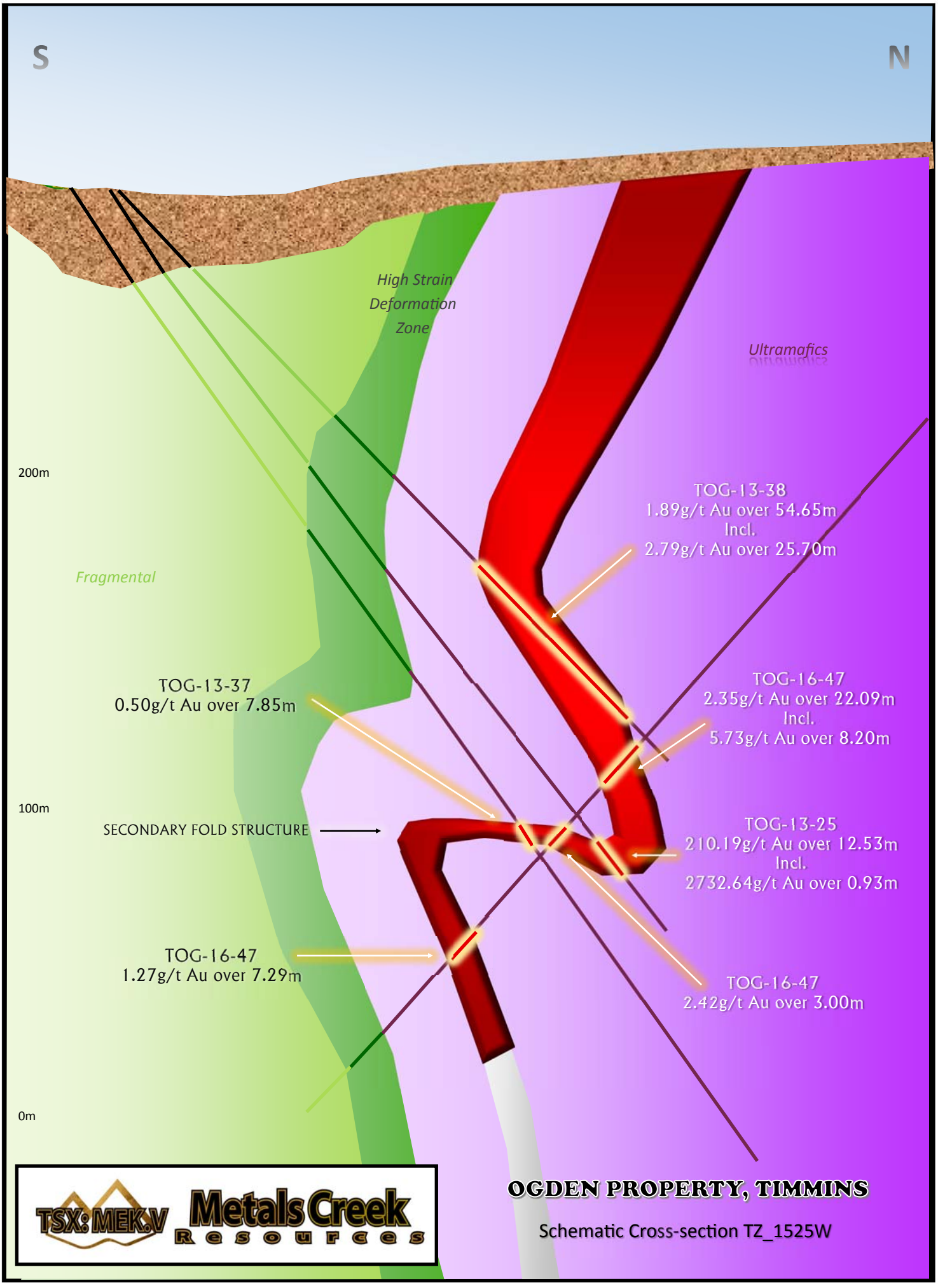

DALTON ROAD
TIMMINS LANDFILL
PINE STREET SOUTH
120985
340015
160144
225595
261541
287913
324225
221603
209520
324226
144032
162153
144031
126326
221579
257540
162154
201446
288148
100724
194304
165533
281033
162155
126327
213523
339968
225533
213559
120981
160138
116694
160137
160139
225556
281580
232858
P528919
P528921
P528918
P528815
P528814
P528812
P528917
P528816
P528813
P528916
P528817
P528915
P528920
2681
28697
128588
323801
29057
29056
29051
29050
29049
29053
29055
2680
2682
28698
28700
28699
29066
29065
29052
29054
2685
3678
3677
3676
29064
29062
29058
2683
2684
3679
29059
29060
29063
3675
281023
232349
3680
276074
101375
217849
3420
3427
3682
3681
144062
114912
237936
181987
265977
265976
3421
3419
3418
3426
3425
3424
3422
3423
112817
322604
253913
P37705
PATENTS
LEASES
MINING CELLS (POST CONVERSION)
Metals Creek
Resources

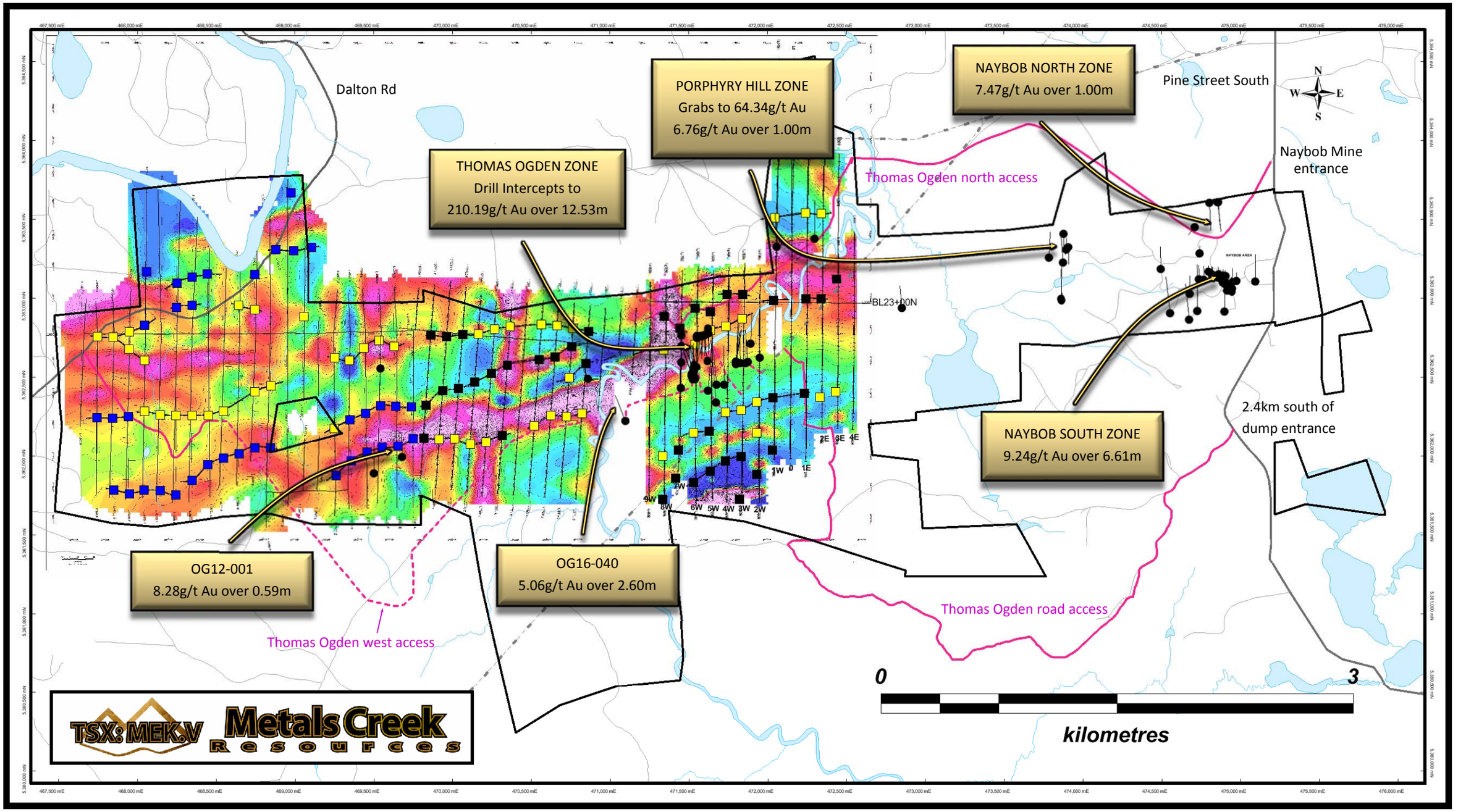

CITY OF TIMMINS
MOUNTJOY
TISDALE
Porphyry Hill
Thomas Ogden Zone
North Zone
South Zone
OGDEN
DELORO
Thomas Ogden West
0
5
kilometres


GOLDCORP'S DOME MINE & MILL COMPLEX
HISTORIC PAYMASTER MINE
HISTORIC DESANTIS MINE
HISTORIC DELNITE MINE
EXPLOR'S TIMMINS PORCUPINE WEST PROJECT
TAHOE RESOURCES' TIMMINS WEST MINE
HISTORIC BUFFALO-ANKERITE MINE
HISTORIC NAYBOB MINE
THOMAS OGDEN PROSPECT
TIMMINS GOLD TREND
0
10
kilometres


METALS CREEK RESOURCES — OGDEN PROPERTY
NAYBOB NORTH
7.47g/t Au over 1.00m
PORPHYRY HILL
Grabs to 64.34g/t Au
THOMAS ODGEN
210.19g/t Au over 12.53m
Uncut incl.
2732.64g/t Au over 0.93m
OG17-002
3.07g/t Au over 8.22m
Incl.
4.96g/t Au over 3.97m
Porcupine-Destor Break
Timiskaming Sediments
NAYBOB SOUTH
9.24g/t Au over 6.61m
OG12-001
8.28g/t Au over 0.59m
OG16-040
0.78g/t Au over 25.43m
Incl.
5.06g/t Au over 2.60m
BIANCHI NORTH ZONE
Untested 1.1km IP Anomaly
Strong Alteration
0
1
2
kilometers
TSX: MEK.V
Metals Creek
Resources


TISDALE ASSEMBLAGE
DELORO ASSEMBLAGE
Thomas Ogden north access road
Porphyry Hill
South Zone
Thomas Ogden Zone
PORCUPINE - DESTOR BREAK
Bianchi North Zone
Thomas Ogden access road
Thomas Ogden west access trail
N
W
E
S
0
3
kilometres
TSX: MEK.V
Metals Creek
Resources


S
N
High Strain
Deformation
Zone
Ultramafics
Fragmental
200m
TOG-13-38
1.89g/t Au over 54.65m
Incl.
2.79g/t Au over 25.70m
TOG-13-37
0.50g/t Au over 7.85m
TOG-16-47
2.35g/t Au over 22.09m
Incl.
5.73g/t Au over 8.20m
100m
SECONDARY FOLD STRUCTURE
TOG-13-25
210.19g/t Au over 12.53m
Incl.
2732.64g/t Au over 0.93m
TOG-16-47
1.27g/t Au over 7.29m
TOG-16-47
2.42g/t Au over 3.00m
0m
TSX:MEK.V
Metals Creek
Resources
OGDEN PROPERTY, TIMMINS
Schematic Cross-section TZ_1525W


Dalton Rd
PORPHYRY HILL ZONE
Grabs to 64.34g/t Au
6.76g/t Au over 1.00m
NAYBOB NORTH ZONE
7.47g/t Au over 1.00m
Pine Street South
N
W
E
S
Naybob Mine
entrance
THOMAS OGDEN ZONE
Drill Intercepts to
210.19g/t Au over 12.53m
Thomas Ogden north access
BL23+00N
NAYBOB SOUTH ZONE
9.24g/t Au over 6.61m
2.4km south of
dump entrance
OG12-001
8.28g/t Au over 0.59m
OG16-040
5.06g/t Au over 2.60m
Thomas Ogden road access
Thomas Ogden west access
0
3
kilometres
TSX:MEK.V
Metals Creek
Resources

Metals Creek Resources

PORPHYRY HILL

NORTH ZONE

SOUTH ZONE

THOMAS OGDEN ZONE

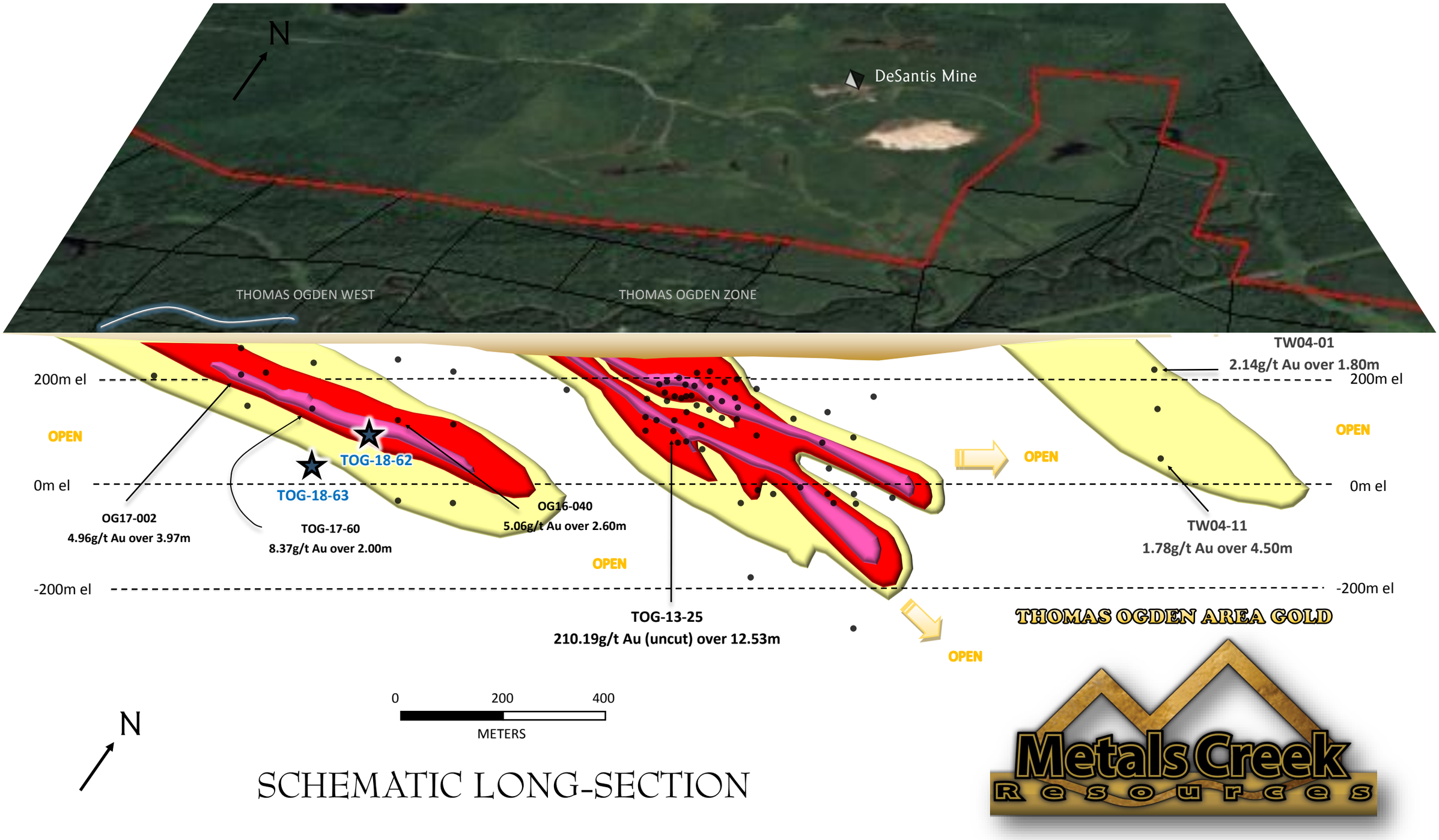
THOMAS OGDEN WEST

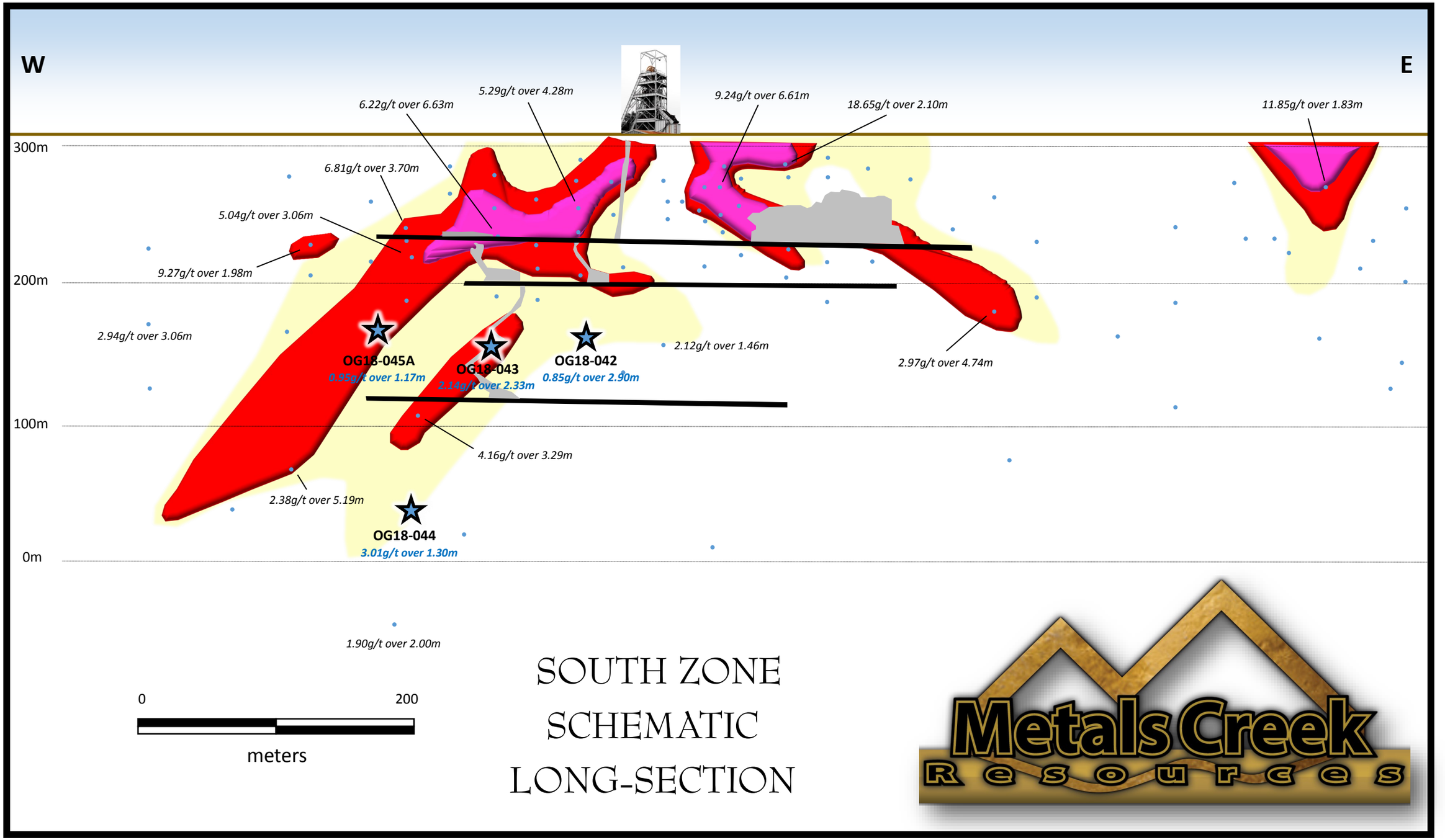
PORCUPINE-DESTOR BREAK

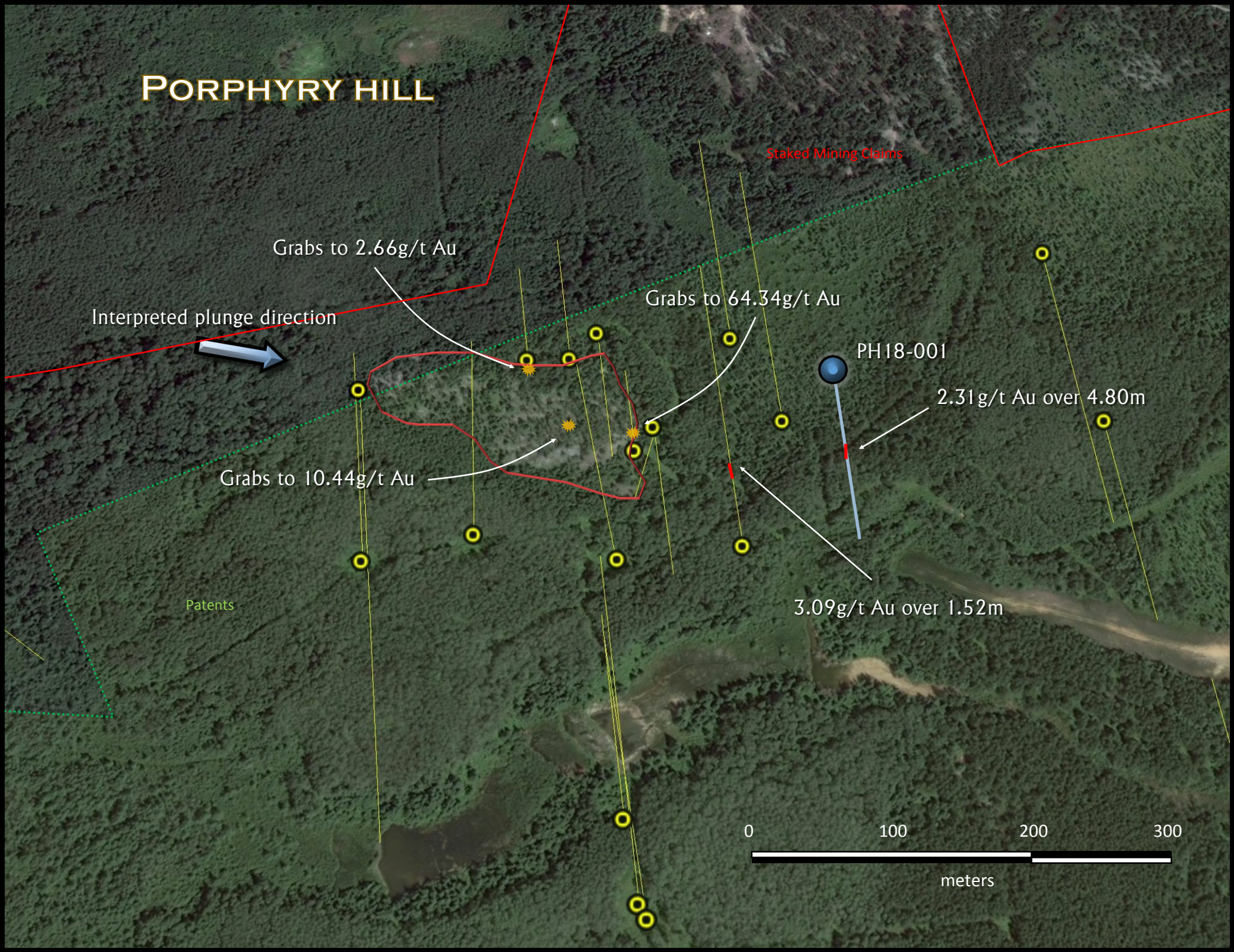
patents

0 1 2

kilometers


N
DeSantis Mine
THOMAS OGDEN WEST
THOMAS OGDEN ZONE
TW04-01
2.14g/t Au over 1.80m
200m el
200m el
OPEN
OPEN
OPEN
0m el
0m el
TOG-18-62
TOG-18-63
OG17-002
4.96g/t Au over 3.97m
TOG-17-60
8.37g/t Au over 2.00m
OG16-040
5.06g/t Au over 2.60m
TW04-11
1.78g/t Au over 4.50m
OPEN
-200m el
-200m el
TOG-13-25
210.19g/t Au (uncut) over 12.53m
OPEN
THOMAS OGDEN AREA GOLD
0
200
400
METERS
N
SCHEMATIC LONG-SECTION
Metals Creek
Resources


W
E
300m
200m
100m
0m
6.22g/t over 6.63m
5.29g/t over 4.28m
9.24g/t over 6.61m
18.65g/t over 2.10m
11.85g/t over 1.83m
6.81g/t over 3.70m
5.04g/t over 3.06m
9.27g/t over 1.98m
2.94g/t over 3.06m
OG18-045A
0.95g/t over 1.17m
OG18-043
2.14g/t over 2.33m
OG18-042
0.85g/t over 2.90m
2.12g/t over 1.46m
2.97g/t over 4.74m
4.16g/t over 3.29m
2.38g/t over 5.19m
OG18-044
3.01g/t over 1.30m
1.90g/t over 2.00m
0
200
meters
SOUTH ZONE
SCHEMATIC
LONG-SECTION
Metals Creek
Resources


Porphyry Hill
Staked Mining Claims
Grabs to 2.66g/t Au
Grabs to 64.34g/t Au
Interpreted plunge direction
PH18-001
2.31g/t Au over 4.80m
Grabs to 10.44g/t Au
Patents
3.09g/t Au over 1.52m
0
100
200
300
meters

NORTH ZONE
LONGITUDINAL SECTION

Surface

400 mN
300 mN
200 mN
100 mN
0 mN
-100 mN
-200 mN
-300 mN
-400 mN

100L
200L
300L
400L
550L
700L
825L
950L
1075L
1175L
1275L

NZ18-001
NZ18-002

PREVIOUSLY OUTLINED GOLD TARGET

1.52m @ 10.29g/t Au
1.52m @ 13.71g/t Au
OG09-014
2.85m @ 3.39g/t Au
OG09-014
4.00m @ 2.74g/t Au
2.00m @ 4.51g/t Au
0.61m @ 27.43g/t Au
OG09-013
1.30m @ 1.42g/t Au
0.91m @ 19.60g/t Au
1.82m @ 1.72g/t Au
1.52m @ 13.00g/t Au
0.91m @ 3.43g/t Au
2.89m @ 5.00g/t Au
1.52m @ 8.57g/t Au
0.91m @ 3.09g/t Au
2.73m @ 9.80g/t Au
0.77m @ 22.32g/t Au
0.61m @ 27.77g/t Au
0.91m @ 2.74g/t Au
1.84m @ 3.75g/t Au
1.67m @ 16.02g/t Au
1.52m @ 2.26g/t Au
0.91m @ 4.26g/t Au
0.91m @ 4.11g/t Au
6.08m @ 2.01g/t Au
2.74m @ 3.43g/t Au
0.79m @ 5.49g/t Au
3.04m @ 3.60g/t Au
1.37m @ 20.57g/t Au
2.59m @ 5.14g/t Au
and
0.46m @ 12.00g/t Au
0.76m @ 4.46g/t Au
2.74m @ 1.11g/t Au
4.86m @ 1.37g/t Au
4.12m @ 12.13g/t Au
0.91m @ 10.09g/t Au
4.88m @ 9.53g/t Au
1.67m @ 3.42g/t Au
4.78m @ 1.14g/t Au
OG09-010
8.94m @ 1.62g/t Au
Including
1.00m @ 7.47g/t Au
1.37m @ 24.00g/t Au
OG09-009
4.97m @ 1.05g/t Au
OG09-011
3.18m @ 0.25g/t Au

Historic UG DDH

MEK 2009 surface DDH

Approximate Pierce-point of MEK DDH

0 200

metres

Metals Creek Resources

APPENDIX III

DRILL LOGS

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	4123 SEC			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Original casing snapped so moved drill back 1m and restarted. Lost water return around 63m. Started drilling with 2 hex core barrels then went to one round around 296m.
HOLE NO.:	TOG-18-62	LENGTH (m):	381.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362155.000	EASTING:	471096.000	COLLAR SURVEY BY: Don (GPS)	
SECTION:	TZ_2100W	ZONE:	Thomas Ogden	ELEVATION (m):	282.000	DRILLING COMPANY: Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	320. / -45.0	SURVEYED:	1.000 / -1.000	DATE LOGGED: Feb. 23, 2018 TO Feb. 27, 2018	Core Storage: Norex compound
HOLE STARTED:	February 21, 2018	HOLE FINISHED:	February 26, 2018	MAG:	11º w	LOGGED BY: D.Heerema	Page 1 of 11

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	36.00	**OVERBURDEN** Downhole surveys… 45m 321.1 azi, -44.3 dip 96m 321.5 azi, -43.1 dip 147m 322.7 azi, -43.2 dip 198m 322.6 azi, -41.8 dip 249m 323.0 azi, -41.5 dip 300m 326.4 azi, -40.8 dip 351m 328.7 azi, -40.2 dip 381m 328.8 azi, 40.5 dip																			
36.00	69.28	**TUFF** Upper section to 47.70m is extremely blocky and pitted with strong evidence of groundwater and dissolved minerals. Deep green colouration of pervasive chlorite alteration. Lower 1.5m of this broken section has what might be remnant coarse fault gouge. From 47.70 to 57.20m is a massive and undissolved section with a moderate to strong fabric at 50 degrees tca From 57.20 to 65.55m is a section of increased fracturing and strong pitting from dissolved minerals; pervasive green chlorite alt with pitting most prevalent in what might be more felsic fragments; narrow sections of possible brittle faulting																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TOG-18-62

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)
		68.31 to 69.28m: purple hematization of core as a halo surrounding qtz/carb stringers; the stringers are hairline to 1cm in width cross-cutting the foliation; deep purple hematite halos from 0.5mm to 4mm along stringer contacts that bleed out into surrounding core; unmineralized																			
69.28	157.20	**FRAGMENTAL** pervasively chloritized groundmass with a moderate speckled texture hosting cream to orange coloured felsic fragments; frags range from 1cm to 8cm in diameter and often have an elongate but irregular shape (not rounded). Occasional qtz/pink calcite veinlet with weak hematization halo associated; also not uncommon are irregular yellow/green epidote stringers. Well foliated unit from 55-75 degrees to ca that varies throughout the unit. Hematitic fractures over local sections. 39.20m: 3cm quartz veinlet at 20 deg tca 105.45 to 110.95m is a section with 6 narrow semi-transparent quartz veinlets from 0.7 to 3,5cm in true width; barren; slight increase in fracturing here also																			
157.20	204.40	**ALTERED TUFF/SCHIST** This unit has undergone much stronger deformation and alteration. Very strong foliation with banding and evidence of boudinaging as well as weak mylonitic texture. White felsic/carb veinlets <1cm showing discontinuous folds, crenulations and knots. Banding consists of ribbons of chlorite, sericite and pinkish k-spar? Causing a soft pinkish hue to the rock. Local breaks with a very rusty fe-carb alteration halos as much as 1m in core length. Foliation angle of 43 deg tca steepening downhole. End of unit based upon the loss of																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TOG-18-62

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)
		schistocity and emergence of clasts. Brittle break at 187.50 to 187.85m with tremendous fe-carb alt as a hole																			
204.40	258.75	**FRAGMENTAL** Upper section of the unit to 210m is a deep green colour with tiny white carb specks at approx 20% and purple hematized fragments. Below 210m the fragments become a cream colour to light green colour set in the dark chloritic groundmass. Well foliated. Clasts are felsic with green chlorite grains causing a speckled appearance. 241.80 - 246.00m is a section containing section of immense sericitization as pervasive patches and prolific banding with a brilliant yellow/green colouration. Banding at 75-80 degrees tca 246.50 to 258.75m is a section of the unit that appears as a separate flow with a green fine-grained groundmass hosting approximately 25-30% subrounded and elongate clasts greyish in colour with moderate to sharp boundaries																			
258.75	267.80	**CHLORITE SCHIST** Deep green chlorite-rich unit with a strong fabric and discontinuous and sub-rounded felsic/carb stringers. Appears to be ultramafic protolith or perhaps a flow top breccia. Foliation consistent at 70 deg tca. Occasional semi-massive to massive pyrite stringers with the most prominent section from 264.60 - 264.64m within a smokey quartz vein with trace hematite; 50% pyrite																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TOG-18-62

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)
267.80	285.77	**ULTRAMAFICS** From 267.80 to 279.50m are the typical tectonically deformed 'zebra looking' ultramafics. The unit is soft and very dark green/black with 40-65% off-white carb/felds wisps to bands. Immense strain with evidence of serp slips that show mm-scale offsets. Crenulations and folding evident. Below 279.50m are gradational patches of pervasive grey and green carbonate alteration with occasional semi-transparent quartz veinlets. Weak silicification near bottom contact with trace disseminated.	um	2	0	1	0	001	279.77	280.77	1.00	-	-			0.010					
			um	2	0	1	0	002	280.77	281.77	1.00	-	-			0.003					
			um	2.5	0	1	0	003	281.77	282.77	1.00	tr	-			0.004					
			um	1	0	2	0	004	282.77	283.77	1.00	tr	-			0.002					
			um	1	0	2	0	005	283.77	284.77	1.00	tr	-			0.007					
			um	1	0.5	1	0	006	284.77	285.77	1.00	tr	-			0.217					
285.77	288.80	**SILICIFIED CONGLOMERATE** Extremely foliated and altered assemblage with only a few discernible pebbles. The rock is a white/cream to beige/brown; immense albitization and silicification. The unit has undergone deformation resulting in stretched clasts and fine banding. Very fine pervasive albitization has basically overprinted any original textures of the silty/sand groundmass. Associated with the alteration is disseminated pyrite mineralization throughout from trace to 4% locally. The unit has been intruded by minor late semi-transparent quartz stringer and veinlets that show small-scale folds and barren of sulphides. Thin hairline white carb and dark chlorite stringers cross-cut the foliation and said quartz features. The youngest tectonic event appears to be a healed brittle fault at 287.90m @ 15-20 deg tca with a wavy nature (true width of 6cm); the host conglomerate material has been broken up and shards are now sub-rounded and within a black chlorite/silicous matrix. Local vugginess with transparent quartz crystal growth. Narrow healed breccia seams of approx 1cm evident elsewhere	sil cong	0	3	0	1	007	285.77	286.77	1.00	0.5	-			0.354					
			sil cong	0	3	0.5	2	008	286.77	287.77	1.00	2	-			0.765					
			sil cong	0	3	1	1	009	287.77	288.80	1.03	1	-			0.691					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TOG-18-62

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)
		in unit. 287.73 - 287.79m: felsic dike @ 65 deg tca -violet colouration; vf-grained -sharp contacts -thin white quartz stringers off-set along slip planes -very fine disseminated pyrite 6% pyrite																			
288.80	291.85	**FELSITE** Typical fine-grained and extremely silicous dike; textureless grey with a locally marbled appearance; cross-cut by hairline carb; disseminated pyrite throughout at approx 3% and strongest over last 30cm. 289.00 - 289.25m fault with black chlorite and quartz crystal growth along open fractures; carb filled fractures 289.90 - 290.45m: altered conglomerate 291.56m is a 0.8cm pyrite seam	fel	0	1	0	0	010	288.80	289.80	1.00	2	-				1.130				
			fel	0	1	0	0	011	289.80	290.80	1.00	2	-				0.124				
			fel	0	1	0	0	013	290.80	291.85	1.05	3	-				0.328				
			Blank					012	291.85	291.85	0.00						0.002				
291.85	293.55	**ARGILITE** Deep green finely laminated unit with core angles ranging from 15 to 30 deg tca. Deeper brown albite wisps and weak bands within the chlorite alteration. Minor silicification locally as well as quartz/carb flooding is irregular stringers in a weak mylonitic texture. Occasional hairline carb stringer cutting unit. A white 2cm quartz veinlet @ 55 deg tca cuts obliquely across bedding/foliation located at 293.17m hosting coarse pyrite; veinlet has been cut by a thin chlorite slip exhibiting mm-scale offset in a dextral fashion. Minor graphite present around 293.20m	arg	1	2	1	0	014	291.85	292.70	0.85	2	-				0.516				
			arg	1	2	3	0	015	292.70	293.55	0.85	1.5	-				1.600				

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TOG-18-62

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)
		Pyritization throughout as fine disseminations but mainly as large irregular blebs showing elongation parallel to bedding/foliation. Averaging approx 2% associated with quartz/carb flooding.																			
293.55	313.00	**FELSITE** This unit is somewhat homogenous but not entirely. Starts off as a grey well foliated and gritty textures with what appear as the occasional elongate pebble; foliation very strong and parallel tca by 294m. Starting at 295.5m the rock increases in pervasive with colouration to groundmass with an increase in cream/beige coloured albitization and the presence of darker brown wisps. Local specks of dull gold coloured carb. The foliation decreases slightly becoming more irregular. The unit is cut by thin dark chlorite stringers that are cut again by younger extensional quartz veinlets to 1cm. Disseminated pyrite throughout with needles of arsenopyrite as well. Occasional pyrrhotite. 297.20m: a deep green chloritic clot; irregular in shape; approx 3cm x 6cm with immense arsenopyrite at 15% 297.40 to 299.10m is a section of disrupted argillite sub-parallel tca with a waviness or undulations to bedding. The argillite horizon has been clipped as sections of the core contain half argillite and half wacke with core angles parallel tca. Well mineralized with coarser blebby pyrite like unit above. A well mineralized section exists from 298.30 to 298.70m with pyrite and wispy dark brown carbonate at approx 5%. Within is a super silicous knot from 295.72 to 295.90m containing disseminated pyrite, patches of subhedral arsenopyrite and hairline stringers of sphalerite?	fel	1	1	1	0	016	293.55	294.30	0.75	1	tr	0.028							
			fel	1	1	0	0	017	294.30	295.00	0.70	1	tr	0.029							
			fel	1	2	0	0	018	295.00	296.00	1.00	1.25	tr	0.013							
			fel	1	2	2	0	019	296.00	297.00	1.00	2.5	tr	0.134							
			fel	1	2	4	0	020	297.00	298.00	1.00	1	1	0.214							
			fel	2	2	1	0	021	298.00	299.00	1.00	3	tr	1.840							
			fel	1	2	0	0	022	299.00	300.00	1.00	1	tr	2.100							
			fel	0	1	0	0	023	300.00	301.00	1.00	1	tr	0.991							
			Standard					024	301.00	301.00	0.00			2.800							
			fel	0	1	0	0	025	301.00	302.00	1.00	0.75	tr	1.890							
			fel	0	1	0	0	026	302.00	303.00	1.00	0.5	tr	1.100							
			fel	0	1	1	0	027	303.00	304.00	1.00	2	0.25	0.616							
			fel	0	0	0	0	028	304.00	305.00	1.00	2	0.25	0.394							
			fel	0	0	3	0	029	305.00	306.00	1.00	3	0.25	0.212							
			fel	0	0	0	0	030	306.00	307.00	1.00	4	tr	0.159							
			fel	0	0	12	0	031	307.00	308.00	1.00	4	tr	0.172							
			fel	0	0	2	0	032	308.00	309.00	1.00	2	tr	0.071							
			fel	0	0	2	0	033	309.00	310.00	1.00	2	tr	0.062							
			Blank					034	310.00	310.00	0.00			0.024							
			fel	0	0	5	0	035	310.00	311.00	1.00	1.5	tr	0.081							
			fel	0	1	1	0	036	311.00	312.00	1.00	1	tr	0.054							
			fel	0	2	1	0	037	312.00	313.00	1.00	4	tr	0.123							

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TOG-18-62

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)
		Standard 024 used HGS1 Below 299.10m the unit is a more massive with an intrusive texture. Rock is a mottled white feldspar groundmass of 40% with approx 40% anhedral to subhedral grey quartz, 10% black chlorite and 10% sulphides + local fuchsite + local epidotization. Dark grey/black chlorite stringers and thin hairline carb stringers common throughout. Unit increases in silicousness downhole. Pyrite throughout averaging approx 3-4% as fine to 2mm rounded disseminations. Arsenopyrite present but found mainly in clusters associated with grey chlorite clots. The arseno grains are more cubic than needle form. 307.00 - 309.10m is a section containing semi-transparent extensional quartz veinlets from 1cm to 15cm that contain coarse calcite, irregular blebs of pyrite as well as red clots of sphalerite; random orientations Last 1.10m of the unit contains some darker brown wispy albite alteration. Moderate to sharp lower contact at 20 deg tca																			
313.00	323.30	**CONGLOMERATE** Unit starts off as a dark well foliated unit with well stretched felsic clasts at 20 deg tca; by 313.35m the unit is increasing in more pervasive beige to brown albitization and silicification to approx 314.50m where the unit becomes intensely sericite altered to a soft yellow colour. From 314.50 to 323.30m the unit is so overprinted by sericitization that most original textures are overprinted leaving ribbons and thin clots of fuchsite and occasional stretched pebble. Occasional areas of minor chlorite stringers. Approximately 5-6% clear to smokey quartz	congl	1	2	2	0	038	313.00	314.00	1.00	1.5	tr								0.171
			congl	1	2	0	2	039	314.00	315.00	1.00	0.5	tr								1.170
			congl	1	2	2	2	040	315.00	316.00	1.00	2.5	0.5								4.270
			congl	1	0	0	3	041	316.00	317.00	1.00	0.5	tr								0.456
			congl	1	0	0	3	042	317.00	317.50	0.50	0.5	tr								0.057
			congl	1	2	10	1	043	317.50	318.00	0.50	3.5	0.5								0.684
			congl	1	0	0	3	044	318.00	319.00	1.00	0.5	tr								0.120
			congl	1	0	0	3	045	319.00	320.00	1.00	0.5	tr								0.105
			congl	1	0	0	3	046	320.00	321.00	1.00	0.5	tr								1.180
			congl	1	0	0	3	047	321.00	322.15	1.15	0.5	<0.25								0.774

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TOG-18-62

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)
		porphyroblasts. Disseminated anhedral pyrite from trace to 2.0% with minor arsenopyrite with arseno found mainly along chloritic fractures. VG as a cluster of greater than 10 individual flakes over an area of 2mm x 2mm found at 315.17m within albite/silica flooding @ 24 degrees tca 317.50 - 318.00m is a section of stronger silicification and albitization associated with quartz flooding; stronger pyrite and arsenopyrite at approx 3:1 and 5% over this interval Standard 048 used CDN-GS-3H	Standard					048	322.15	322.15	0.00					2.100					
			congl	1	0	0	3	049	322.15	323.30	1.15	0.5	<0.25			0.859					
323.30	324.14	**WACKE** A finer unit with no evident clasts that starts as pale sericite altered that quickly becomes silicified and albitized to a dark grey/brown colouration with minor green chlorite by 323.55m. Bedding/foliation ranges from sub-parallel to 25 deg tca. Some late irregular quartz/carb veinlets present between 323.58 and 323.82m parallel to fol/bedding. Strong pyrite at approx 6-7% with trace arsenopyrite.	wacke	1	2	9	1	050	323.30	324.14	0.84	6	tr			2.200					
324.14	333.00	**FELSITE** Extremely hard, competent and non-magnetic. Grey and silicous at approx 75% quartz. Typical marbled appearance with local areas of slight beige/brown albitization. Localized quartz flooding/veinlets of semi-transparent quartz often associated with coarse calcite growth. Well mineralized with disseminated pyrite at approximately 4% average. Lower contact discernable against adjacent silicous conglomerate at 18 degrees tca.	fel	0	0	2	0	051	324.14	325.00	0.86	4	-			0.173					
			fel	0	0	0	0	052	325.00	326.00	1.00	4	tr			0.136					
			fel	0	0	0	0	053	326.00	327.00	1.00	4	tr			0.139					
			fel	0	0	3	0	054	327.00	328.00	1.00	4	tr			0.197					
			fel	0	0	12	0	055	328.00	329.00	1.00	2.5	tr			0.099					
			Blank					056	329.00	329.00	0.00					0.009					
			fel	0	0	3	0	057	329.00	330.00	1.00	1.5	-			0.192					
			fel	0	0	2	0	058	330.00	331.00	1.00	4	tr			0.266					
			fel	0	0.5	0	0	059	331.00	332.00	1.00	5	tr			0.272					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TOG-18-62

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)
			fel	0	1.5	0	0	060	332.00	333.00	1.00	5	tr			0.153					
		326.50 - 326.80m section with tremendous quartz flooding as coarse white calcite growth 329.90 to 330.55m: badly broken but might be drill induced as a result of very shallow jointing																			
333.00	337.30	**WACKE** Unit actually starts off with an altered conglomerate to 333.64m with strong albitization, silicification and fuchsite. Tight foliation with stretched and ribboned pebbles; cream coloured felsic clasts are stretched 10:1 and ultramafic clasts are now ribboned fuchsite; rock is a buff grey/beige colour with yellow carb with and bands locally; well mineralized with approx 4% finely disseminated pyrite and trace arsenopyrite 333.64 to 333.95m: felsite dike with sharp upper and lower contacts @ 20 and 40 deg tca respectively -contains a xenolith of conglomerate within -soft pinkish/grey colouration with a weak fish scale texture -very finely disseminated pyrite at 4-5% From 333.95 to 337.30m is an homogenous section of gritty wacke, grey in colour with dark brown wisps/bands @ 40 degrees tca; variable albite/sericite/chlorite alt; weak pyrite 336.32 to 336.46m: felsic/felsite dike @ 48 degrees tca -similar to dike noted above but far less pyrite	cong/dike	1	2	2	0	061	333.00	333.95	0.95	5	tr			0.269						
			wacke	1	1	0	0	062	333.95	335.10	1.15	tr	-			0.124					
			wacke	1	1	0	1	063	335.10	336.20	1.10	tr	-			0.013					
			wacke	1	1	0	1	064	336.20	337.30	1.10	tr	-			0.032					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TOG-18-62

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)
337.30	343.65	**ARGILLITE** Finely bedded silts to mudstones. Unit is grey to black with repetitive bedding from grey silts to aphanitic black tops. Younging appears to be downhole or in a northerly direction. Silty beds are as large as 16cm true width or 35cm core length and exhibit weak albitization. Bedding angles start off at 25 degrees tca but steepen to 60 degrees tca by base of unit. Narrow 1-15mm white quartz/carb extensional stringers/veinlets cut obliquely across the bedding at generally 30 deg tca. Pyrite mineralization found within the quartz structures as well as within the bedding itself as secondary mineralization. A late cleavage is developed and evident cutting obliquely across bedding at 65 degrees tca. The last 1.3m of the unit has tremendous dark green chlorite growth causing a speckled/pitted texture.	arg	0	0	2	0	065	337.30	338.30	1.00	2	-			0.080						
			arg	0	0	2	0	066	338.30	339.30	1.00	1.5	-			0.029						
			arg	0	0	5	0	067	339.30	340.30	1.00	1	-			0.005						
			arg	0	0	3	0	068	340.30	341.30	1.00	1	-			0.007						
			Blank					069	341.30	341.30	0.00					0.002						
			arg	0	0	1	0	070	341.30	342.40	1.10	0.5	-			0.011						
			arg	0	0	0	0	071	342.40	343.65	1.25	0.25	-			0.013						
343.65	345.55	**MAFIC DIKE** Very fine-grained grey/green/purplish colour; generally massive and textureless. Fine green chlorite alt and approx 10% fine white plag; cut by semi-transparent quartz/white to locally rose calcite stringers and veinlets to 3cm width; late structures have coarse blebby pyrite mineralization within. The dike itself is well mineralized by fine disseminated pyrite at approx 3-4%. Upper and lower contacts @ 60 and 18 degrees respectively Non-magnetic 343.65 to 343.79m is a section of quartz flooding and strong albitization with pyrite	M.dk	1	1	6	0	072	343.65	344.65	1.00	3	-			0.035						
			M.dk	1	0	2	0	073	344.65	345.55	0.90	4	-			0.039						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TOG-18-62

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)
345.55	381.00	**ULTRAMAFICS** Slightly harder uphole but increases in serp/talc alteration downhole becoming softer and much more fractured and blocky. Very little carb stringers. 346.41 - 346.55m: mafic dike like above 364.80 - 366.45m: mafic dike @ 80 deg tca -darker and less mineralized than above -non-magnetic	um	0	0	0	0	074	345.55	346.55	1.00	0.5	-			0.024					
			um	0	0	2	0	075	346.55	347.55	1.00	tr	-			0.008					

Printed: April-27-18

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	9878 SEC			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Started drilling with double hex core barrel and switched to one round with long reaming shell @ 105m. Casing remains and capped.
HOLE NO.:	TOG-18-63	LENGTH (m):	436.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362073.000	EASTING:	471002.000	COLLAR SURVEY BY: Don (GPS)	
SECTION:	TZ_2200W	ZONE:	Thomas Ogden	ELEVATION (m):	280.000	DRILLING COMPANY: Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	330. / -45.0	SURVEYED:	1.000 / -1.000	DATE LOGGED: Feb. 27, 2018 TO Mar. 09, 2018	Core Storage: Norex compound
HOLE STARTED:	February 26, 2018	HOLE FINISHED:	March 02, 2018	MAG:	11º w	LOGGED BY: D.Heerema	Page 1 of 9

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	42.50	**OVERBURDEN** Downhole surveys… 51m 328.2 azi, -42.6 dip 102m 329.9 azi, -41.9 dip 153m 330.5 azi, -40.6 dip 204m 331.7 azi, -39.6 dip 255m 333.5 azi, -39.7 dip 306m 336.7 azi, -39.4 dip 357m 339.0 azi, -39.0 dip 408m 339.6 azi, -38.8 dip																			
42.50	118.20	**TUFF** Slightly hematized to 54.55m with a soft purplish hue. Well foliated and cut by a few pinkish quartz/carb veinlets to 1.3cm. The unit for the most part is green chlorite altered with a moderate to strong fabric, speckled texture and local qtz/carb porphyroblasts. Fabric @ 50 deg tca. Unit is fairly competent with moderate jointing. 57.97 - 59.00m: intermediate dike?? -sharp contacts @ 58 degrees tca -grey with a weak fabric parallel to fabric of tuff 99.55m: 1cm carb veinlet @ 12 deg tca hosting coarse pyrite -clotty rust																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TOG-18-63

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)
118.20	188.80	**FRAGMENTAL** Groundmass is fine-grained and deep green chlorite altered hosting light green fragments that are elongate and generally pointy at the tips. Contacts are not extremely sharp for the most part. Occasional hematitic fracture; thin epidote stringers locally; thin hairline cream carb stringers cut the unit also. Between 173.15 and 179.20m has undergone patchy and gradational hematization; between 176.37 and 177.60m are numerous thin hematite stringers with minor carb associated; 176.40 - 176.46m is a quartz vein with strong hematite growth along contacts																			
188.80	208.50	**TUFF** Similar to tuff logged above; speckled chlorite in a light green/grey groundmass with a fabric. 189.90 - 189.97m: healed fault/shear @ 30 deg tca that has been re-activated																			
208.50	217.25	**ALTERED TUFF/SCHIST** This unit has undergone slightly stronger deformation and alteration. Foliation with banding and evidence of boudinaging as well as weak mylonitic texture @ 40-65 deg tca. White as well as white/red qtz/carb/hematite veinlets <1cm showing discontinuous folds, crenulations and knots. Banding consists of ribbons of chlorite, sericite and hematization causing a soft pinkish hue to the rock. Few breaks, a few with brown fe-carb staining and carb growth.																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TOG-18-63

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)
217.25	266.70	**TUFF** Heterogeneous unit of chlorite speckled tuff with variable alteration type and intensities. Well foliated to approx 252m before is looses some intensity. Non-magnetic and barren of sulphides. The upper portion to 227.50m is green/grey with some quartz/carb stringers and veinlets generally parallel to foliation. 221.70 - 221.87m: 65% white to white/pink quartz veining/flooding showing tight folding with associated sericite/hem/chl banding and wisps From 227.50 to 234.40m is a section of fairly pervasive hematization causing a pinking of core; weak mylonitic texture From 234.40 to 252.70m is a deep green strongly foliated chloritic section; foliation @ 40 degrees tca From 252.70 to 266.70 the unit appears less foliated and contains sericite/epidote stringers cross-cutting at random angles tca; occasional semi-transparent quartz veinlet																			
266.70	311.70	**FRAGMENTAL** Fragment poor unit with small fragments set in a green chloritic and speckled groundmass; the fragments are sub-rounded and range from 4mm to 4cm well elongated; fragments vary from cream to orange coloured. Non-magnetic; barren of sulphides and very competent. Deeper in the unit the fragment sizes increase slightly and undergo hematization for the most part. 282.50 - 283.40m: increased fracturing with deep red hematite fracture faces and minor red hematite stringers; slight																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TOG-18-63

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)
		hematization of host tuff 284.90m: 3.5cm extensional semi-transparent quartz/pink calcite veinlet @ 47 deg tca 296.80 - 297.72m: sericite schist @ 43 deg tca -weak chlorite and hematization amidst the sericite From 297.72 to 311.70m weak pervasive hematization with local patches of stronger intensity; fragments appear to have undergone stronger hematization than groundmass																			
311.70	344.90	**TUFF** Green/grey unit of chlorite specked rock that has patchy epidotization and weak hematization to 327m before turning dark green. The upper section has been cut by thin carb stringers and occasional veinlets; local weak mylonitic texture. Below 327m the unit is a deep green chlorite-rich section with speckled texture and hosts few dark green/black shards; unit has been intruded moderately by late quartz/carb stringers and veinlets as well as fine epidote veinlets. 334.50 and 338.25m are locations of small scale en-echelon extensional vein arrays only 5cm and 12cm long respectively; thin veins of the arrays are oriented 22 degs tca; filled with quartz and green epidote																			
344.90	360.45	**CHLORITE SCHIST/FRAGMENTAL**																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TOG-18-63

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)
		Deep green chlorite-rich unit with a strong fabric and discontinuous and sub-rounded felsic/carb stringers. Has a similar appearance to the ultramafic below but contains areas of what appear as fragments or perhaps a flow top breccia. The fragments are elongate and look like 4-5cm jelly beans aligned parallel to foliation at 60 deg tca. Light to moderate green fragments in dark green deformed groundmass. Strain increases downhole with weak mylonitic texture. Occasional white qtz/carb veinlet.																			
360.45	372.40	**ULTRAMAFICS** The unit starts off with a strongly hematized section to 362.55m that has a more massive and speckled appearance; common at base of the ultramafics. Below 362.55 the unit becomes the typically well strained and carbonate banded unit; dark green/black serpentine/talc altered with approx 40% white bands and veinlets causing the 'zebra texture'; weak fuchsite alteration evident becoming more evident near the contact with adjacent sediments. Local pyrite. Sharp contact at 45 degrees tca 369.05m: 1cm carb seam with coarse cubic pyrite at 5% 370.28 - 370.50m: section of approx 15% fuchsite 371.60 - 372.40m increasing in sericite/albite and silicification causing a soft buff brownish colouration; well foliated @ 45 deg tca with a gentle 's' fold over 10cm at 372.05m.	um	1	0	10	0	001	368.40	369.40	1.00	0.5	-			0.009					
			um	1	0	2	0	002	369.40	370.40	1.00	tr	tr			0.003					
			um	1	0	2	0	003	370.40	371.40	1.00	tr	-			0.002					
			um	1	1	5	1	004	372.40	372.40	0.00	tr	-			0.005					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TOG-18-63

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)
372.40	381.00	**ALTERED CONGLOMERATE** Heterogeneous unit of variable alteration and composition; the unit starts off as moderately pebble-rich unit with stronger chlorite/sericite alteration with weak silicification; grey to yellow colouration with ghostly discernable pebbles; silicification and albitization alteration increasing downhole to 376.40m; foliation angles at 46 deg tca; trace pyrite mineralization as well as fine local sphalerite 374.67 to 374.72m: thin interbedded argillite seam with minor white carb stringers and pyritization VG at 374.75m as one 0.5mm x 0.5mm fleck in a very silicous section From 376.40 to 379.90m is a very clast poor section of more wacke material with far less silicification, sericite or albite alteration; a green to grey colour with occasional cream/beige pebble; local minor pyrite mineralization	congl	1	1	3	1	005	372.40	373.40	1.00	tr	-			0.014						
			congl	1	1	0	2	006	373.40	374.40	1.00	tr	-			0.022						
			congl	1	2	0	1	007	374.40	375.40	1.00	0.25	-			0.199						
			congl	1	2	0	1	008	375.40	376.40	1.00	0.25	-			0.250						
			wacke	1	0	0	0	009	376.40	377.40	1.00	tr	-			0.004						
			wacke	1	0	0	0	010	377.40	378.40	1.00	tr	-			0.012						
			wacke	1	0	0	1	011	378.40	379.40	1.00	tr	-			0.091						
			congl	1	0	0	2	012	379.40	380.40	1.00	tr	-			0.027						
			congl	1	0	5	2	013	380.40	381.00	0.60	tr	-			0.071						
381.00	391.78	**FELSITE** Extremely silicous unit with abundant quartz flooding and veining with a marbled texture; the unit is a buff grey/beige colour, fine-grained with a weak porphyritic texture containing white plag phenos; massive texture; hosts shards of brown albitization; wisps of local green fuchsite, tiny clots of gold coloured carbonate as well as wispy stringers to thin bands of sericite upto 15% locally causing a more yellowish tinge. Occasional discontinuous grey chlorite stringers present. Alteration of all types (fuchsite; sericite; albitization) all associated with pyrite and local arsenopyrite that has been cut by later stringers and veinlets of quartz; there appear to be	fel	0	2	20	1	014	381.00	382.00	1.00	3	0.5			0.386						
			fel	0	1	6	2	015	382.00	383.00	1.00	tr	tr			0.280						
			Blank					016	383.00	383.00	0.00					0.002						
			fel	1	2	10	1	017	383.00	384.00	1.00	2	tr			2.520						
			fel	0	2	3	1	018	384.00	385.00	1.00	2	tr			0.514						
			fel	0	1	2	2	019	385.00	386.00	1.00	1	tr			0.214						
			fel	1	2	2	2	020	386.00	387.00	1.00	3	tr			0.444						
			fel	0	2	2	1	021	387.00	388.00	1.00	3	tr			3.110						
			fel	0	2	8	1	022	388.00	389.00	1.00	2.5	tr			0.223						
			fel	0	1	8	2	023	389.00	390.00	1.00	2.5	tr			0.755						
			fel	0	2.5	6	1	024	390.00	391.00	1.00	4	tr			1.230						
			fel	0	2.5	20	1	025	391.00	391.78	0.78	4	tr			2.180						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TOG-18-63

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)

multiple ages of crosscutting features; a flooding event has disrupted alteration; cut by younger barren steeper angled semi-transparent quartz/white carb extensional veinlets approx 0.5cm wide. These features have been cut by yet younger and mineralized semi-transparent to smokey grey quartz veinlets at shallow core angles of approx 20 to 45 deg tca. Thin white carb stringers appear to cross-cut all features. Strongest quartz veining present over first 50cm and last 70cm of unit at approx 35% and 15% respectively associated with fine pervasive albitization and stronger mineralization.
Within the dike unit are sections of conglomerate material that is partially digested with diffuse and subjective contacts for the most part. Conglomerate sections...381.90 to 382.10m, 382.60 to 383.04m, 387.00 to 387.48m, 390.46 to 390.74m. These sections are generally very sericite-rich with remnant beige pebbles and far less mineralization with exception of the last congl patch that contains strong fuchsite banding as well as 3% pyrite + 1% arsenopyrite
Lower contact extremely sharp @ 77 deg tca

381.29m: 8x8mm clot of sphalerite with trace cpy in quartz veinlet

387.48 to 387.61m: healed fault @ 75 degrees tca
-sub-rounded to rounded mineralized grey quartz shards set in a cream carbonate matrix that has healed the structure
-one narrow black tourmaline stringer with pyrite within

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TOG-18-63

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)
391.78	394.50	**CONGLOMERATE** Pebble poor conglomerate; chlorite + sericite alteration dominates with minor fuchsite. Unit is well stretched making pebbles very elongate or ribbon-like; felsic pebbles are slightly more resistant to the stretching. Foliation angle of 65 deg tca. Strong pyrite + aspy mineralization over first 8cm but quickly diminishes to sporadic pyrite blebs Standard 027 used CDN-GS-3H	cong	1	0	0	2	026	391.78	392.50	0.72	1	<0.5			0.473						
			Standard					027	392.50	392.50	0.00					3.030						
			congl	1	0	2	1	028	392.50	393.50	1.00	tr	-			0.043						
			congl	1	0	0	1	029	393.50	394.50	1.00	tr	-			0.019						
394.50	397.25	**WACKE** The unit is a fining of the adjacent conglomerates to a well banded and generally textureless chlorite + sericite schist. Quartz porphyroblasts present over the first 45cm. Trace pyrite as fine blebs.	wacke	0	1	3	2	030	394.50	395.50	1.00	tr	-			0.011						
			wacke	0	0	1	1	031	395.50	396.50	1.00	tr	-			0.002						
			wacke	1	0	3	0	032	396.50	397.25	0.75	tr	-			0.002						
397.25	405.65	**ARGILLITE** Dark finely bedded silts to muds; slightly siltier but becoming darker and more pervasive mudstone downhole. The bedding angles are 60 deg tca @ 399m and 45 deg tca @ 405m. Beds show a little waviness but nothing too crenulated or folded. Few carb stringers throughout with an exception from 404.60 to 405.35m that is cross-cut by approximately 45% white quartz/carb stringers and veinlets from 2mm to 8mm in width. These features are extensional gash fractures @ 63-65 deg tca and cross-cut bedding at almost perpendicular angles. Barren of mineralization. Pyrite mineralization throughout averaging approx 0.5% as fine blebs parallel to bedding generally associated with carbonate. Extremely sharp lower contact @ 65 deg tca.	arg	0	0	4	0	033	397.25	398.25	1.00	tr	-			0.011						
			arg	0	0	3	0	034	398.25	399.25	1.00	tr	-			0.004						
			arg	0	0	2	0	035	399.25	400.25	1.00	tr	-			0.004						
			arg	0	0	2	0	036	400.25	401.25	1.00	0.5	-			0.011						
			Blank					037	401.25	401.25	0.00					0.001						
			arg	0	0	4	0	038	401.25	402.25	1.00	0.5	-			0.010						
			arg	0	0	1	0	039	402.25	403.25	1.00	0.5	-			0.018						
			arg	0	0	2	0	040	403.25	404.35	1.10	0.75	-			0.014						
			arg	0	0	8	0	041	404.35	405.65	1.30	tr	-			0.104						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TOG-18-63

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)
		400.60 to 401.17m; ground section that likely represents a fault -gravel type material with shards hosting significant pyrite (ground pyrite seam)																			
405.65	436.00	**ULTRAMAFICS** Typical softer unit of serp/talc altered ultramafics; more competent and slightly harder to 425.50m becoming very blocky. The unit has a pillow appearance below 414m but is likely an alteration effect. Anastomosing serp seams become more prevalent below 419m with alteration halos.	um	0	0	0	0	042	405.65	406.65	1.00	-	-			0.092					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	HR938			DOWNHOLE SURVEY METHOD:	EZ Shot	REMARKS: Lost water return very early near top of hole. Hole plugged with rubber plug and casing remains, capped.
HOLE NO.:	NZ18-001	LENGTH (m):	144.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY:	Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5363278.000	EASTING:	474760.000	COLLAR SURVEY BY:	Don (GPS)	
SECTION:	N/A	ZONE:	North Zone	ELEVATION (m):	308.000	DRILLING COMPANY:	Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	360. / -45.0	SURVEYED:	1.000 / -1.000	DATE LOGGED:	Mar. 13, 2018 TO Mar. 14, 2018	Core Storage: Norex compound
HOLE STARTED:	March 12, 2018	HOLE FINISHED:	March 13, 2018	MAG:	11º w	LOGGED BY:	D.Heerema	Page 1 of 9

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	4.20	**OVERBURDEN** Downhole surveys 18m 2.3 azi, -44.9 dip 69m 3.0 azi, -45.0 dip 120m 5.2 azi, -45.1 dip																			
4.20	35.50	**ULTRAMAFICS** Black, soft, serp/talc altered unit with has been strained comprised of approx 30% white carbonate/serp stringers and veinlets at random but generally conform to foliation @ approx 70 deg tca. The carb material often contains clots of soft mint green serpentine within; the carb content slowly increases downhole as does deformation. Weak pervasive magnetism in upper portion of unit that appears to diminish as carb increases. At approx 28m is the first sign of rusty ankerite associated with breaks/seams. Numerous rusty natural fractures present below 2.93m. Due to the softness and weak nature of the serp rich rock, breaks are abundant. Upper section to 12m is extremely faulted with numerous seams of fine clay to sand gouge @ 45 degrees tca 17.10 - 17.15m: gouge seam @ 60 deg tca 27.93m and 28.08m: rusty ankerite altered fractures that might reflect groundwater movement	um	2	0	0	0	001	34.50	35.50	1.00	-	-			0.002					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: North Zone HOLE NO.: NZ18-001

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)
		28.97m: 1cm gouge seam @ 50 deg tca with coarse ankerite growth forming a 15cm halo bounding the structure																			
35.50	40.70	**PORPHYRY** Extremely silicous intrusive with approx 15-25% white feldspar phenocrysts that for the most part are overprinted by alteration. A soft rusty/green/yellowish colouration throughout. Green chlorite as fine flecks within the unit that decrease downhole. Occasional green chlorite stringers and clots. Pervasive rusty colouration in areas of breaks as ankerite alteration halos; clotty ankerite growth in carb filled fractures as well in some quartz veinlets. White quartz flooding as irregular knots in upper 80m; white quartz veinlets from 1 to 4mm wide throughout unit with thin tourmaline centers that are in areas of pervasive ankerite alteration. Disseminated pyrite throughout as fine to 1mm blebs averaging approx 0.5%. Upper and lower contacts @ 55 and 62 deg tca respectively	por	2	1	8	1	002	35.50	36.60	1.10	0.5	-			0.002						
			por	2	1	3	1	003	36.60	37.70	1.10	0.5	-			0.016						
			por	2	1	1	1	004	37.70	38.70	1.00	0.5	-			0.024						
			por	1	0	4	0	005	38.70	39.70	1.00	0.5	-			0.014						
			por	1	0	1	0	006	39.70	40.70	1.00	0.5	-			0.012						
40.70	41.10	**ULTRAMAFIC** Extremely ankerite altered to 80% brown/rusty colouration; with white calcite; cut by late white quartz veinlets exhibiting 'z' folds; well foliated @ 65 deg tca. No visible sulphides.	um	3	0	4	0	007	40.70	41.10	0.40	-	-			0.002						
41.10	41.75	**QUARTZ VEIN**	qv	0	0	90	0	008	41.10	41.75	0.65	-	-			0.002						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: North Zone HOLE NO.: NZ18-001

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 10cm is porphyry material followed by white quartz veining containing irregular xenoliths of ankerite altered ultramafics as well as xenoliths of grey carb altered ultramafics from mid way down veining. Lower contact is irregular with no distinct orientation.																			
41.75	58.00	**CARBONATE ALTERED ULTRAMAFICS** Intensely strained ultramafics that exhibit a highly variable foliation as well as folds, kinks and crenulations that have been cut by late mm-scale slip planes. Grey carbonate alteration dominates with sections of more yellowish/green sericite as well as minor green fuchsite locally. Slight increase in silicification between 41.75 and 44.50m. Unit has the zebra type striping as a result of carb stringers and veinlets that become grossly deformed and mangled below 51.20m. Pyrite found locally; at 44.70m as coarse cubes to 5mm; also at 50.90m as tiny blebs in sericite rich alteration adjacent to late quartz veinlet. Late white quartz veinlets and knots not uncommon throughout at random orientations; larger structures below... 44.88 - 44.91m: 3cm quartz veinlet @ 3 deg tca 50.54m: a natural break with very strong ankerite alt halo of 10cm 57.08m: white quartz vein @ 10 degrees tca with minor clotty ankerite along contact and 0.5% green wispy fuchsite within the vein; barren	carb um	3	0	3	0	009	41.75	43.00	1.25	-	-			0.002					
			carb um	3	0	0	0	010	43.00	44.00	1.00	-	-			0.002					
			carb um	3	0	3	0	011	44.00	45.00	1.00	tr	-			0.039					
			Blank					012	45.00	45.00	0.00					0.002					
			carb um	3	0	1	1	013	45.00	46.00	1.00	-	-			0.135					
			carb um	3	0	1	1	014	46.00	47.00	1.00	-	-			0.024					
			carb um	3	0	1	1	015	47.00	48.00	1.00	-	-			0.208					
			carb um	3	0	2	1	016	48.00	49.00	1.00	-	-			1.660					
			carb um	3	0	2	1	017	49.00	50.00	1.00	-	-			0.947					
			carb um	3	0	2	1	018	50.00	51.00	1.00	tr	-			0.097					
			carb um	3	0	2	0	019	51.00	52.00	1.00	-	-			0.018					
			carb um	3	0	2	0	020	52.00	53.00	1.00	-	-			0.022					
			carb um	3	0	2	0	021	53.00	54.00	1.00	-	-			0.216					
			carb um	3	0	2	0	022	54.00	55.00	1.00	-	-			0.008					
			carb um	3	0	2	0	023	55.00	56.00	1.00	-	-			0.002					
			carb um	3	0	2	0	024	56.00	57.00	1.00	-	-			0.002					
			carb um	3	0	12	0	025	57.00	58.00	1.00	-	-			0.039					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: North Zone HOLE NO.: NZ18-001

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)
58.00	63.00	**FELSIC/INTERMEDIATE DIKING** Sharp contacts with dark grey to black chill margins of 1-3cm. The dike is massive with a fish scale texture; composed of 35% interstitial chlorite around 50% grey quartz phenos and 15% very fine interstitial albite. Cut by minor quartz stringers to 3mm as well as some larger extensional quartz/carb veinlets to 3cm in width with white carb contacts and semi-transparent to white quartz. Late quartz flooding increasing in abundance downhole with associated yellow/gold coloured carbonate. Disseminated pyrite throughout at approx 0.5% with an increase locally associated with late quartz veining. 59.70m: irregularly oriented transecting quartz/carb veining that cross core @ 55 and 5 deg tca. The boundaries of these structures has a thin 1-3mm rind of chlorite and locally brown carb. Strong disseminated pyrite within the chlorite and carb rind but not in the veining itself. Standard 028 used CDN-GS-3H 62.00 - 62.44m: ultramafic with ankerite alteration and late quartz/carb veining	dk	1	0	2	0	026	58.00	59.00	1.00	0.5	-			0.026					
			dk	1	0	8	0	027	59.00	60.00	1.00	1	-			0.283					
			Standard					028	60.00	60.00	0.00					3.080					
			dk	1	0	4	0	029	60.00	61.00	1.00	0.5	-			0.022					
			dk	1	0	10	0	030	61.00	62.00	1.00	0.5	-			0.143					
			um	3	0	5	0	031	62.00	62.44	0.44	-	-			0.032					
			dk	1	0	15	0	032	62.44	63.00	0.56	0.5	-			0.014					
63.00	111.50	**CARBONATE ALTERED ULTRAMAFICS** Quite variable unit of deformed and altered ultramafics ranging from soft serp/talc to harder pervasively olive green/fuchsite altered material with sections of rusty ankerite alteration. Upper 1.3m is more typical serp/talc altered material that has 75% carbonate banding (zebra texture) before becoming olive green carbonate altered with weak to moderate silicification locally showing evidence of strong deformation. Numerous dark slip planes at approx 80 deg tca showing upto 5mm movement as	um	2	0	1	0	033	63.00	64.10	1.10	tr	-			0.002					
			Blank					034	64.10	64.10	0.00					0.002					
			carb um	2	0	9	0	035	64.10	65.20	1.10	-	-			0.002					
			carb um	3	0	0	0	036	65.20	66.30	1.10	-	-			0.007					
			um/qv	2	0	80	0	037	66.30	66.85	0.55	-	-			0.002					
			carb um	3	0	10	0	038	66.85	67.60	0.75	-	-			0.002					
			um/qv	2	0	85	0	039	67.60	68.70	1.10	-	-			0.017					
			carb um	3	0		0	040	68.70	69.70	1.00		1			0.002					
			carb um	3	0	5	0	041	69.70	70.85	1.15	-	-			0.002					
			carb um	3	0	0	0	042	70.85	72.00	1.15	-	-			0.002					

DIAMOND DRILL CORE LOGGING SHEET

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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)
		seen by truncated and offset quartz veinlets between 64.20 and 69m. Best exposure around 66.15m. Between the slip planes is small scale folding of alteration (drag folds?). Foliation of the unit is @ 80 deg tca at 66m, @ 30 deg tca by 69.30m, parallel tca @ 72m and 60 deg tca @ 81m. 64.57 - 64.73m: irregular quartz/carb flooding; moderate ankerite 66.50 - 66.85m: white quartz veining with irregular contacts; hosting 2% clotty ankerite and irregular shards of ultramafics; barren of sulphides 67.60 - 67.90m: quartz/ankerite vein; lower 6cm is 30% coarse ankerite; upper section contains xenoliths of extremely silicous um's 68.20 - 68.70m: white quartz veining @ approx 70 deg tca; wavy contacts; approx 4% fine to clotty ankerite; local crenulated hairline tourmaline fracture; barren Below 68.70m the unit consists mainly of olive green and grey carbonate with minor chlorite; intruded heavily by late white quartz/carb stringers to veinlets ranging from 2mm to 5cm in width; thinner veinlets are generally subparallel to foliation where as the larger features are at random orientations; extensional fractures with a coulombs texture within; occasional break with approx 10cm rusty halos; strong deformation Trace pyrite at best with exception of 75.74 to 76.38m that contains approx 1.5% finely disseminated pyrite; the sulphide bearing material is truncated by slips and late quartz veinlets. Weak pyrite mineralization in the area of 77.60m. From 83.45 to 90.57m is a fuchsite zone of basically 50-70% fuchsite with minor grey carb, minor sericite locally and	carb um	3	0	0	0	043	72.00	73.00	1.00	-	-			0.002						
			carb um	3	0	0	0	044	73.00	74.00	1.00	-	-			0.002						
			carb um	3	0	0	0	045	74.00	75.00	1.00	-	-			0.002						
			carb um	3	0	3	0	046	75.00	76.00	1.00	0.25	-			0.022						
			carb um	3	0	3	0	047	76.00	77.00	1.00	<0.5	-			0.002						
			carb um	3	0	7	0	048	77.00	78.00	1.00	tr	-			0.007						
			carb um	3	0	2	0	049	78.00	79.00	1.00	-	-			0.032						
			carb um	3	0	5	0	050	79.00	80.00	1.00	-	-			0.138						
			Standard					051	80.00	80.00	0.00					2.650						
			carb um	3	0	13	0	052	80.00	81.00	1.00	-	-			0.002						
			carb um	3	0	8	0	053	81.00	82.20	1.20	0.25	-			0.121						
			carb um	3	0	4	0	054	82.20	83.45	1.25	tr	-			0.110						
			fuch	3	0	50	0	055	83.45	84.45	1.00	-	-			0.007						
			fuch	3	0	10	0	056	84.45	85.45	1.00	-	-			0.175						
			Blank					057	85.45	85.45	0.00					0.002						
			fuch	3	0	10	0	058	85.45	86.45	1.00	-	-			0.513						
			fuch	3	0	12	0	059	86.45	87.45	1.00	-	-			0.022						
			fuch	3	0	15	0	060	87.45	88.45	1.00	-	-			0.091						
			fuch	3	0	4	0	061	88.45	89.45	1.00	tr	-			0.006						
			fuch	3	0	6	0	062	89.45	90.45	1.00	-	-			0.023						
			carb um	3	0	11	0	063	90.45	91.45	1.00	tr	-			0.002						
			carb um	3	0	2	0	064	91.45	92.45	1.00	-	-			0.008						
			carb um	2	0	3	1	065	92.45	93.45	1.00	-	-			0.028						
			carb um	2	0	1	2	066	93.45	94.45	1.00	-	-			0.093						
			carb um	2	0	3	2	067	94.45	95.45	1.00	-	-			0.833						
			carb um	2	0	2	2	068	95.45	96.45	1.00	-	-			0.059						
			carb um	2	0	1	2	069	96.45	97.45	1.00	tr	-			0.002						
			carb um	2	0	10	2	070	97.45	98.45	1.00	-	-			0.077						
			carb um	2	0	0	3	071	98.45	99.45	1.00	tr	-			0.002						
			carb um	2	0	5	1	072	99.45	100.45	1.00	-	-			0.193						
			Blank					073	100.45	100.45	0.00					0.002						
			carb um	3	0	5	0	074	100.45	101.45	1.00	tr	-			0.009						
			carb um	3	0	2	0	075	101.45	102.45	1.00	tr	-			0.005						
			carb um	3	0	2	0	076	102.45	103.45	1.00	tr	-			0.038						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: North Zone HOLE NO.: NZ18-001

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)
		abundant quartz veining. Dark green coarser-grained clots of fuchsite in areas of quartz flooding; and a soft green in areas of less quartz. Quartz veining as semi-transparent to white quartz with white carbonate along boundaries. Quartz anastomosing but generally at shallow angles tca. The fuchsite has a direct relationship to the quartz/silica flooding. Quartz veining as high as 50% over intervals to 1m. Extremely foliated with local waviness. Trace pyrite within a quartz veinlet at 88.88m. Grey carb/weak sericite section from 84.26 to 86.80m with two 20cm patches of fuchsite. Silica flooded section from 89.30 to 89.60m with a break and ankerite alteration. 90.45 -90.57m: quartz vein From 90.57 to 100.00m is a section of stronger sericite alteration with a soft yellow/soft beige colouration to most of the unit. Minor green fuchsite as well as grey carb and minor chlorite; well foliated to banded @ 35-40 deg tca; the sericite alteration is fairly pervasive cut by bands and seams of fuchsite and grey carb; slips planes evident; late quartz as thin crenulated veinlets to 4mm and larger more linear veinlets to 9cm. Pyrite mineralization present in trace quantities slight increase locally. Below 100.00m the unit is mainly olive green carbonate with gradational sericitic patches; unit contains the highly contorted and irregular white carb stringers and veinlets to 45% of unit. Well formed and variable foliation. Pyrite mineralization in trace quantity with exception of a few short intervals with upto 1% fine disseminations associated with more sericitic patches; 104.10 - 104.50m approx 1% fine pyrite	carb um	3	0	3	1	077	103.45	104.45	1.00	0.25	-			0.149						
			carb um	2	0	2	1	078	104.45	105.45	1.00	tr	-			0.002						
			carb um	3	0	0	0	079	105.45	106.45	1.00	-	-			0.002						
			carb um	2	0	7	2	080	106.45	107.45	1.00	tr	-			0.002						
			carb um	3	0	1	0	081	107.45	108.45	1.00	tr	-			0.002						
			carb um	3	0	2	0	082	108.45	109.45	1.00	tr	-			0.009						
			carb um	3	0	6	1	083	109.45	110.45	1.00	tr	-			0.291						
			carb um	3	0	5	0	084	110.45	111.50	1.05	tr	-			0.038						

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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)
111.50	115.14	**INTERMEDIATE DIKE?** Grey hard quartz-rich unit consisting of 45-50% fine grey quartz phenos with approx 25% fine interstitial albite and 25% fine chlorite. A weak fabric to the unit with a weak fish scale texture. Sharp upper and lower contacts @ 32 and 47 deg tca respectively. Weak to moderate yellow carb alteration locally. Unit cut by approx 7-8% quartz/carb stringers and veinlets ranging from mm to 2cm in size and 35 to 45 deg tca. Locally boudined. Fine to locally blebby pyrite throughout at approx 2%. Standard 087 used HGS1	dk	1	1	4	0	085	111.50	112.50	1.00	2	-			1.290						
			dk	1	1	10	0	086	112.50	113.50	1.00	2	-			1.040						
			Standard					087	113.50	113.50	0.00					0.460						
			dk	1	1	1	0	088	113.50	114.40	0.90	2	-			0.750						
			dk	1	1	3	0	089	114.40	115.14	0.74	2.5	-			0.002						
115.14	122.90	**CARBONATE ALTERED ULTRAMAFICS** Similar to uphole with olive green carbonate and blonder sericitic patches; evidence of stronger deformation here with tighter folding and slip planes with left-lateral mm-scale offsets; strong presence of thin white carb bands within the darker carb alteration; sericitic sections are slightly more silicous and contain far less carb stringers. Very strong foliation that is quite variable and shallows to sub-parallel tca by 120m. Pyrite mineralization associated with stronger sericite patches to 1%. Section from 116.60 to 117.00m contains approx 1% pyrite Late anastomosing white quartz/carb veining present and more abundant deeper in unit to 45% between 120.10 and 122.90m. 120.60 to 121.00m: quartz/carb vein @ approx 70 deg tca -white to rusty coloured containing 25% clotty ankerite -weak porphyritic texture -cut by late semi-transparent quartz 121.35 to 121.87m: 80% quartz with angular xenoliths of carb	carb um	3	0	1	0	090	115.14	116.00	0.86	-	-			0.072						
			carb um	2	0	2	2	091	116.00	117.00	1.00	0.5	-			0.002						
			carb um	2	0	4	2	092	117.00	118.00	1.00	0.25	-			0.010						
			carb um	2	0	3	2	093	118.00	119.00	1.00	tr	-			0.002						
			carb um	2	0	2	2	094	119.00	120.00	1.00	-	-			0.002						
			carb um	3	0	6	0	095	120.00	120.60	0.60	-	-			0.002						
			Blank					096	120.60	120.60	0.00					0.002						
			qv	1	0	98	0	097	120.60	121.00	0.40	-	-			0.002						
			carb um	3	0	50	0	098	121.00	122.00	1.00	-	-			0.002						
			carb um	3	0	20	0	099	122.00	122.90	0.90	-	-			0.011						

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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)
		um																			
122.90	123.87	**PORPHYRY** Extremely silicous with a moderate porphyry texture hosting approximately 25% white plag phenos; very soft pinkish hue; fine dust like chlorite and black hairline filled fractures. Weak pyritization. Cut by few semi-transparent quartz with white carb forming a coulombs texture. 123.25 - 123.36m: foliated ultramafics	por	0	0	2	0	100	122.90	123.87	0.97	0.25	-			0.002					
123.87	124.47	**ULTRAMAFICS** Green carb and chlorite altered ultramafics. 124.00 - 124.20m: quartz/carb vein with strong beige/brown albitization	um	2	0	45	0	101	123.87	124.47	0.60	-	-			0.030					
124.47	124.95	**INTERMEDIATE DIKE** Same as dike above. Sharp contacts @ 52 and 20 deg tca.	dk	0	0	1	0	102	124.47	124.95	0.48	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)
124.95	144.00	**ULTRAMAFICS** Darker and softer unit of serpentine/talc alteration; serp/talc increases downhole; well foliated from 25 to 45 deg tca. White carbonate stringers and bands common with local boudins. 136.33 to 136.87m: felsic diking squeezed in basically parallel to foliation; irregular and wavy contact with evidence of boudinaging; very fine-grained, silicous with a purplish/beige colouration; hosts approx 1-1.5% fine disseminated pyrite; true width approx 3cm.	um	0	0	2	0	103	124.95	126.00	1.05	-	-			0.307					
			f.dk	0	1	0	0	104	136.33	136.87	0.54	1	-								

Printed: April-27-18

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	HR938			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Hole plugged with a rubber plug. Casing remains and capped.
HOLE NO.:	NZ18-002	LENGTH (m):	138.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5363278.000	EASTING:	474794.000	COLLAR SURVEY BY: Don (GPS)	
SECTION:	N/A	ZONE:	North Zone	ELEVATION (m):	310.000	DRILLING COMPANY: Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	360. / -47.0	SURVEYED:	1.000 / -1.000	DATE LOGGED: Mar. 19, 2018 TO Mar. 20, 2018	Core Storage: Norex compound
HOLE STARTED:	March 14, 2018	HOLE FINISHED:	March 15, 2018	MAG:	11º w	LOGGED BY: D.Heerema	Page 1 of 5

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	6.50	**OVERBURDEN** Downhole surveys 15m 358.8 azi, -46.1 dip 66m 0.2 azi, -46.6 dip 120m 0.7 azi, -46.8 dip																			
6.50	9.85	**INTERMEDIATE DIKE** Fine-grained, massive grey to locally pink dike hosting approximately 1% fine disseminated to locally blebby pyrite. The dike is mainly greyish/pink in colour composed of approx 50-55% green chlorite; very fine-grained pink felsic patches with moderately sharp contacts are silicous, range in size from 3cm to 30cm in length and contain coarser sulphides. Unit has been cut by late white quartz veinlets (<1cm) that have subsequently cut and offset by chloritic slip planes (right lateral movement).	I.Dk		2			001	6.50	7.50	1.00	1	-			0.016					
			I.Dk		3			002	7.50	8.60	1.10	1.25	-			0.034					
			I.Dk		2			003	8.60	9.85	1.25	1	-			0.185					
9.85	71.30	**ULTRAMAFICS** Dark green/bluish unit of serp/talc altered ultramafics, soft and showing moderate strain that increases over the last 6m of unit. The rocks contain approx 35% white carb/serp stringers generally oriented parallel to foliation but locally anastomosing. Extremely soft mint green serp present as clots and knots within the carb stringers. For the most part the rocks are fairly competent with only local																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: North Zone HOLE NO.: NZ18-002

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)

areas of faulting.
Trace pyrite mineralization.
Local patches of strong magnetism in upper 12m of unit.

15.00 to 29.35m: increased fracturing with sections of definitive faulting

15.00 to 19.45m: fault @ approx 45-55 deg tca
-6cm of remnant clay gouge at 18m and drillers note 2.6ft of ground and washed rock

20.30 to 20.60m: fault with minor gouge

23.15 to 23.60m: fault @ 60 deg tca

28.40 to 28.55m: fault @ 75 deg tca

29.07 to 29.30m: fault @ 65 deg tca

57.00 to 57.85m: fault @ 90 deg tca?? Fine poker chip material that might be drill induced

59.30 to 59.43m: quartz/carb vein

62.35 to 62.46m: quartz/carb vein

65.00 to 65.07m: quartz/carb vein

69.63 and 69.73m: breaks with rusty ankerite staining

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: North Zone HOLE NO.: NZ18-002

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)
71.30	82.93	**PORPHYRY** Massive unit of silicous quartz-rich porphyry. Unit consists of approximately 40% quartz, 35% white plag phenocrysts, 20% amphiboles and approx 5% carb + pyrite. The unit starts off as a dull pervasive rusty/orange colour before gradationally becoming a soft green colouration (saussuritization?). Dark grey/black chlorite stringers/fractures. Occasional late quartz veinlet. Fine to 2mm subhedral to euhedral pyrite throughout averaging approx 0.5%. Very blocky unit becoming slightly more competent as it becomes greener in colour. Sharp contacts at approx 15 and 80 deg tca.	por			2		004	71.30	72.30	1.00	0.5	-			0.002					
			por			2		005	72.30	73.30	1.00	0.5	-			0.002					
			por			3		006	73.30	74.30	1.00	0.5	-			0.254					
			por			1		007	74.30	75.30	1.00	0.5	-			0.592					
			por			3		008	75.30	76.30	1.00	0.5	-			0.191					
			por			1		009	76.30	77.30	1.00	0.5	-			0.009					
			por			1		010	77.30	78.30	1.00	0.5	-			0.117					
			por			1		011	78.30	79.30	1.00	0.5	-			0.022					
			por			1		012	79.30	80.30	1.00	0.5	-			0.030					
			por			1		013	80.30	81.30	1.00	0.5	-			0.450					
			Blank					014	81.30	81.30	0.00					0.002					
			por			1		015	81.30	82.30	1.00	0.5	-			0.017					
			por			1		016	82.30	82.93	0.63	0.5	-			0.040					
82.93	109.65	**CARBONATE ALTERED ULTRAMAFICS** Extremely strained unit with immense shortening with evidence of tight crenulations and numerous slip planes. The unit consists of variable amounts of fuchsite, olive green carb, chlorite, sericite and local ankerite. Entire unit has been cut or flooded by variable amounts of late white quartz veining also. 82.93 to approx 84.75m is a section of darker chlorite alteration gaining some fuchsite deeper into the interval. From 83.20 to 83.60m is a section of 60% white quartz hosting small angular shards of chlorite as well as some clotty brown ankerite. From 84.75 to 88.20m is a fuchsite-rich interval cut by approx 35% quartz; sections of the interval are less deformed and show pervasive fuchsite and a moderate fabric and slightly more pyrite mineralization where as other sections of the interval show tremendous strain and moderate mylonitic fabric; 85.75 to 86.36m is 85% quartz flooding with a massive vein	carb um	3	0	50	0	017	82.93	84.00	1.07	tr	-			0.002					
			carb um	3	0	10	0	018	84.00	85.00	1.00	tr	-			0.073					
			carb um	3	0	20	0	019	85.00	86.00	1.00	tr	-			0.031					
			carb um	3	0	22	0	020	86.00	87.00	1.00	tr	-			0.002					
			carb um	3	0	8	1	021	87.00	88.00	1.00	<0.25	-			0.182					
			carb um	3	0	5	2	022	88.00	89.00	1.00	<0.25	-			0.328					
			carb um	3	0	5	2	023	89.00	90.00	1.00	tr	-			0.153					
			carb um	3	0	1	2	024	90.00	91.00	1.00	tr	-			0.007					
			carb um	3	0	2	2	025	91.00	92.00	1.00	tr	-			0.002					
			Standard					026	92.00	92.00	0.00					2.760					
			carb um	3	0	0.5	2	027	92.00	93.00	1.00	tr	-			0.032					
			carb um	3	0	0.5	2	028	93.00	94.00	1.00	tr	-			0.066					
			carb um	3	0	2	2	029	94.00	95.00	1.00	0.25	-			0.200					
			carb um	3	0	4	2	030	95.00	96.00	1.00	0.5	-			1.680					
			carb um	3	0	8	2	031	96.00	97.00	1.00	tr	-			1.130					
			carb um	3	0	60	1.5	032	97.00	98.00	1.00	tr	-			0.420					
			carb um	3	0	13	0	033	98.00	99.00	1.00	-	-			0.019					
			carb um	3	0	4	0	034	99.00	100.00	1.00	-	-			0.002					
			carb um	3	0	4	0	035	100.00	101.00	1.00	tr	-			0.015					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: North Zone HOLE NO.: NZ18-002

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)
		from 86.08 to 86.36m;	carb um	3	0	2	0	036	101.00	102.00	1.00	<0.25	-			0.002					
			Blank					037	102.00	102.00	0.00					0.002					
		87.37m: a break with strong rusty halo and pervasive yellowish sericite/carb alteration over next 20cm	carb um	3	0	0	0	038	102.00	103.00	1.00	0.25	-			0.010					
			carb um	3	0	2	0	039	103.00	104.00	1.00	0.25	-			0.002					
			carb um	3	0	2	0	040	104.00	105.00	1.00	tr	-			0.005					
		From 88.20 to 97.37m the unit consists mainly of dark green/black chlorite and light brown/yellowish sericite/carbonate; approx 85% sericite/carb with 15% black stringers and bands parallel to foliation; immense squeezing as seen in the tight crenulations and folds throughout as well as numerous slip planes showing mm to 1cm scale slips; tight foliation at approx 90 degrees tca with slips often parallel tca as seen best between 95.40 and 96.00m. Pyrite mineralization throughout as fine disseminations as well as local areas of poorly formed pyrite stringers. Quartz veinlets present but strongest from 88.20 to 90.00m before becoming very occasional to 96.30m.	carb um	3	0	3	1	041	105.00	106.00	1.00	tr	-			0.010					
			carb um	3	0	2	1	042	106.00	107.00	1.00	-	-			0.002					
			carb um	3	0	4	0	043	107.00	108.00	1.00	-	-			0.006					
			carb um	3	0	14	0	044	108.00	108.85	0.85	-	-			0.002					
			carb um	3	0	8	0	045	108.85	109.65	0.80	-	-			0.066					
		97.37 to 97.55m: quartz vein with irregular contacts containing 10% xenoliths of sericite/carb altered material																			
		From 97.55 to 109.65m is a section of dark olive green and grey carbonate; occasional patches of yellower carb/sericite; <1mm specks of gold coloured carbonate speckled upto 2-3% locally; well foliated with dark chloritic slip planes; folds and crenulations present; fine to coarser cubic pyrite random; white quartz/carb veinlets strongest to 100m at approx 25% of interval. From there they are sporadic. Foliation generally shallowing downhole.																			
		108.04 to 108.14m: white quartz/carb vein @ 55 deg tca																			
		Standard 026 used HGS1																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: North Zone HOLE NO.: NZ18-002

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)
109.65	138.00	**ULTRAMAFICS** Softer unit of foliated and serp/talc altered; dark green/black colour with 20-25% white carb stringers and knots; well foliated at very shallow core angles at top of unit but slowly steepens downhole. Occasional fold evident as well as areas of slight mylonitic fabric. 110.73 to 110.87m: fine-grained porphyry dike @ 28 deg tca -fine-grained with a beige colouration -cubic pyrite throughout at 2% 111.60m: a tiny piece of porphyry material (8cm x 3cm) -appears the hole just nicked the edge of the dike as its only on one side of the core	um					046	109.65	110.65	1.00	-	-			0.002						
			dk						047	110.65	110.90	0.25	2	-			0.054					

Printed: April-27-18

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	HR1008			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Casing remains and capped. Rubber plug pushed to 33m.
HOLE NO.:	OG18-042	LENGTH (m):	192.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5363023.000	EASTING:	474796.000	COLLAR SURVEY BY: Don (GPS)	
SECTION:	SZ_660W	ZONE:	South Zone	ELEVATION (m):	300.000	DRILLING COMPANY: Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	359. / -50.0	SURVEYED:	1.000 / -1.000	DATE LOGGED: Mar. 09, 2018 TO Mar. 10, 2018	Core Storage: Norex compound
HOLE STARTED:	March 08, 2018	HOLE FINISHED:	March 09, 2018	MAG:	11º w	LOGGED BY: D.Heerema	Page 1 of 8

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	22.50	**OVERBURDEN** Dowhnhole surveys… 33m 1 azi, -51.3 dip 84m 1.6 azi, -51.6 dip 135m 3.8 azi, -51.1 dip 186m 5.6 azi, -51.3 dip																			
22.50	76.63	**ULTRAMAFICS** Deep green serp/talc altered unit with sections of more olive green carbonate; soft to scratch; strong shallow foliation that steepens downhole from approx 25-40 deg tca to 65-70 deg tca by bottom of unit; local med-grained spinifex evident. White to rusty coloured carbonate stringers, veinlets and seams throughout at variable angles; often showing folds, strong crenulations and boudins; approx 50:50 white and rusty carb; some apple green serp along contacts with these features; comprise approx 25% of the unit. Fairly fractured unit with some faulting 22.50 to 24.00m: fault at 10 degrees tca -essentially all gouge 26.85 to 27.00m: fault gouge with shards of um 35.30 to 36.70m: narrow 0.5 to 2cm seams of serpentine as shears at 5-10 degrees tca	um	2	0	10	1	001	75.63	77.63	2.00	0.25	-			0.087					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-042

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)
		Last 8cm is well carbonate altered to a beige colouration with trace pyrite; a 3cm section adjacent to it has minor quartz flooding with fine pyrite mineralization at 3%.																			
76.63	80.60	**FELSIC DIKE** Very fine-grained unit with a soft pink to dull grey colouration; slight brownish hue locally; mineralized by fine-grained to 2mm cubic pyrite averaging approximately 2% throughout. The slightly more silicous sections are pinker and contain slightly more pyrite. Unit cross-cut by thin to 2cm semi-transparent to white quartz/carb stringers and veinlets; thin chloritic slips appear to truncate and off-set the quartz features on a mm-scale. Upper and lower contacts extremely sharp @ 60 and 32 deg tca respectively A few breaks with fe-carb staining 77.40 to 77.75m: ground core that have been drill induced -angular shards 2 to 4cm in size -Fe-carb staining on 60% of material	f.dk	0	1	3	1	002	76.63	77.63	1.00	2.5	-			0.096						
			f.dk	0	1	2	1	003	77.63	78.63	1.00	1.5	-			0.064						
			f.dk	0	1	3	1	004	78.63	79.63	1.00	2	-			0.199						
			f.dk	0	1	6	1	005	79.63	80.60	0.97	2.5	-			0.160						
80.60	82.50	**ULTRAMAFICS** Olive green carbonate with minor fuchsite; well foliated; intruded by white qtz/carb veinlets over upper 1.10m showing evidence of folds; trace rustiness associated with the carbonate; remnant spinifex at 81.65m. Trace pyrite at best Rubbly lower contact	um	2	0	27	0	006	80.60	81.60	1.00	tr	-			0.009						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-042

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)
82.50	148.10	**AMYGDULOIDAL BASALTS** Light green very fine-grained volcanics that appear to be possible pillows. The unit contains cream coloured/dark grey quartz amygdules from 3mm to 6mm in true width. Some of the amygdules have quartz centers rimmed with the fine cream cementation. Thin darker amygdule free areas likely represent pillow selvages. Extensional gash fractures forming small scale quartz arrays quite common throughout over 15cm areas; filled with grey smokey quartz; generally @ 65-75 deg tca; locally contain pyrrhotite Several mineralized/alteration zones exist and are broken out separately below; some of these zones have poorly developed alteration but consist more of strong pyrite +/- arsenopyrite; alteration generally consists of bleaching and extremely fine-grained cream coloured albitization 90.80 to 90.90m: intermediate dike @ 50 deg tca 97.70m: irregular semi-transparent quartz veinlet @ 40 deg tca -chlorite along contacts with cubic pyrite -clotty calcite -cut by hairline carb stringers 99.36 to 100.04m: intermediate dike @ 42 and 5 degrees tca resp -lower contact shows extensional dilation that has been filled by rimmed by orange k-spar and filled by quartz -angular shard of host vol within the quartz and rimmed by orange k-spar 101.88 to 102.07m: intermediate dike @ 45 and 25 deg tca resp -similar appearance and texture as dike above	vol	0	0	2	0	007	105.35	106.35	1.00	tr	-			0.017						
			min z	0	1	10	0	008	106.35	106.56	0.21	10	1			1.490						
			vol	0	0	2	0	009	106.56	107.56	1.00	tr	-			0.005						
			vol	0	0	5	0	010	107.56	108.56	1.00	tr	-			0.004						
			vol	0	0	1.5	0	011	108.56	109.56	1.00	tr	-			0.010						
			vol	0	0	1	0	012	109.56	110.08	0.52	0.5	tr			0.300						
			Blank					013	110.08	110.08	0.00					0.002						
			vol	0	0	2	0	014	110.08	110.90	0.82	tr	-			0.379						
			min z	0	2	10	1	015	110.90	111.20	0.30	5	1			2.380						
			vol	0	0	0	0	016	111.20	112.20	1.00	tr	-			0.040						
			vol	0	0	0	0	017	112.00	113.25	1.25	tr	-			0.045						
			vol	0	0	0	0	018	113.25	114.33	1.08	tr	-			0.004						
			min z	0	1	12	1	019	114.33	115.40	1.07	4	0.5			0.684						
			min z	0	2	10	1	020	115.40	116.50	1.10	7	1.5			2.670						
			vol	0	0	8	0	021	116.50	117.50	1.00	0.5	tr			0.101						
			vol	0	0	2	0	022	117.50	119.00	1.50	-	-			0.015						
			vol	0	0	1	0	023	119.00	120.50	1.50	-	-			0.177						
			vol	0	0	5	0	024	120.50	122.00	1.50	tr	-			0.002						
			vol	0	0	2	0	025	122.00	123.00	1.00	tr	-			0.015						
			Standard					026	123.00	123.00	0.00					2.980						
			vol	0	0	3	0	027	123.00	124.00	1.00	0.25	-			0.050						
			min z	0	1	8	1	028	124.00	124.40	0.40	6	1			5.540						
			vol	0	0	1	0	029	124.40	125.00	0.60	0.5	-			0.044						
			vol	0	0	1	0	030	125.00	126.50	1.50	tr	-			0.007						
			vol	0	0	1	0	031	126.50	128.00	1.50	tr	-			0.004						
			vol	0	0	1	0	032	128.00	129.50	1.50	tr	-			0.006						
			vol	0	0	1	0	033	129.50	131.00	1.50	tr	-			0.008						
			vol	0	0	0	0	034	131.00	132.00	1.00	tr	-			0.005						
			vol	0	0	0	0	035	132.00	133.00	1.00	1	-			0.008						
			vol	0	0	0	0	036	133.00	134.05	1.05	tr	-			0.025						
			Blank					037	134.05	134.05	0.00					0.001						
			min z	0	2	6	1	038	134.05	134.52	0.47	2.5	tr			2.060						
			vol	0	0	0	0	039	134.52	135.10	0.58	tr	-			0.040						
			min z	0	1	8	1	040	135.10	135.90	0.80	4.5	1			1.250						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-042

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)
		-massive pyrite stringer 1-6mm wide at upper contact -brecciated and healed fault structure at upper contact	vol	0	0	0	0	041	135.90	137.30	1.40	tr	-			0.092					
			min z	0	1	2	1	042	137.30	138.08	0.78	1.5	tr			1.680					
			vol	0	0	0	0	043	138.08	139.00	0.92	tr	-			0.019					
		106.35 to 106.56m: mineralized zone @ 52 deg tca -soft mauve/brownish colour -mod albitization containing 10% pyrite + 1-2% arsenopyrite -sharp contacts -contains a 3cm quartz veinlet with fine brown carb stringer along upper contact of veinlet	vol	0	0	0	0	044	139.00	140.00	1.00	-	-			0.010					
		109.96 to 110.08m: weakly altered and mineralized -gradational contacts with approximately 2% pyrite + trace aspy																			
		110.90 to 111.20m: mineralized zone @ 70 deg tca -center 10cm is mod to strongly albitized with weak sericite hosting 5% pyrite and 1% arsenopyrite -upper 10cm is heavily quartz flooded -lower 10cm the alteration decreases gradationally and mineralization bleeds out																			
		114.33 to 116.50m: altered/mineralized zone -upper 45cm has more patchy alteration and mineralized seams before becoming a pervasive albitized and mineralized zone; extremely fine albite/sericite alt to a soft creamy colour that has been brecciated and intruded by thin mm-scale grey/white smokey quartz and carb veinlets; unit has been cut by late quartz/carb veinlets that post-date other quartz and are generally larger in width; all quartz/carb material barren of mineralization; the mineralization is located with the brecciated alteration consisting of pyrite and arsenopyrite at approx 5:1 ratio; averaging approx 5% pyrite and 1% arsenopyrite with sections as high as 15% Late quartz/chlorite veining from 114.99 to 115.16m as well 116.50 to 116.55m (5cm true width @ 15 deg tca.																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-042

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)
		124.00 to 124.40m: mineralized zone @ 70 deg tca -center 10cm is moderately ser/alb altered hosting 6% pyrite and 1% arsenopyrite with alteration and mineralization decreasing away -narrow 5cm quartz veinlet from 124.34 to 124.34m 134.05 to 134.52m: mineralized zone @ 70 deg tca -moderate albitization to a soft cream/mauve locally -approx 2-3% pyrite + trace arsenopyrite -alteration increases throughout zone downhole to sharp contact 135.10 to 135.90m: mineralized/alteration zone @ 65 deg tca -moderately developed alteration zone with moderate contacts; grey/beige colouration; fine albitization hosting approximately 4-5% fine pyrite and ~1% arsenopyrite 137.30 to 137.46, 137.66 to 137.81 and 137.97 to 138.08m: mineralized zones with weak to moderate albitization and weaker pyrite and arsenopyrite mineralization averaging approximately 2% Standard 026 used HGS1																			
148.10	152.45	**ANDESITE** Darker green and slightly coarser-grained; foliated; a narrow section of flow top breccia between 150.98 and 151.07m. Weak tuffacous texture downhole from this breccia																			
152.45	167.45	**ULTRAMAFICS**																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-042

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)
		Deep green/bluish/black soft unit of well foliated and strained serp/talc altered ultramafics; strong presence of white and rust carb stringers and bands at approx 20-25% of unit. Unit non-magnetic except for a strongly magnetic section from 157.80 to 159.45m where strong pervasive magnetism exists 156.93 to 157.80m and 159.45 to 159.70m: intermediate diking -approx 50% mafics and 50% pinkish feldspar -disseminated pyrite																				
167.45	180.35	**ANDESITE** Moderate to dark green; massive and unfoliated; cut by approx 5-7% thin white quartz/carb extensional fractures; sharp contact adjacent mineralized zone.	and	0	0	0	0	045	179.35	180.35	1.00	-	-			0.057					
180.35	183.25	**MINERALIZED ZONE** This mineralized is heterogeneous and covers four different protoliths; andesite, graphitic argillite, greywacke and ultramafics. Below is a breakdown in better detail... 180.35 to 180.90m is a section of sericite/albite and yellow brown carbonate alteration that has been tremendously quartz flooded with local clotty pink k-spar; sudden appearance of foliation at 60-65 deg tca as seen in the wisps and bands of sericite/albite and carbonate material. Fine quartz stringers and tiny veinlets flood the unit brecciating the alteration; extremely mineralized with pyrite at 10% and arsenopyrite at approx 1%. Occasional 1-2mm clot of chalcopyrite	min z	2	0	30	2	046	180.35	180.90	0.55	10	1			2.070					
			min z	0	0	8	0	047	180.90	181.35	0.45	12	-			1.390					
			min z	1	3	3	0	048	181.35	182.35	1.00	13	tr			0.335					
			Standard					049	182.35	182.35	0.00					1.450					
			min z	3	0.5	35	-	050	182.35	183.25	0.90	10	2			0.393					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-042

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)

180.90 to 181.35m is a mineralized graphitic argillite with core angles of 70 deg tca; extremely fine-grained; upper 23cm is very silicous with buff grey silica flooding amongst the black unit; lower 22cm contains silicous/albitized and mineralized xenoliths of adjacent downhole unit; xenoliths are of all shapes up to 2cm in diameter with foliation warping around them. Late barren white qtz/carb veining cutting center 2-3cm of interval Extremely pyritized unit of argillite hosting approximately 12% as fine disseminations.

181.35 to 182.35m is a pervasively albitized wacke unit to a peachy/greyish colour to 181.85m where more silicification becomes prominent; upper 20cm is cut by finely crystalized quartz/carb veining containing rafts of mineralized argillite. Unit cut by few off-white carb stringers; well mineralized interval of approximately 12-15% pyrite with minor arsenopyrite

182.25 to 183.35m is a carbonate-rich portion of ultramafic prololith with upper contact @ 30 deg tca; upper 40cm is sericite/fuchsite altered to a fine olive green colouration cut by approx 5-6% fine grey quartz veinlets; mineralized with 7-8% pyrite and approx 0.5% arsenopyrite. Lower 50cm is brilliant green fuchsite with approx 50% fine grey quartz veining with 3cm beige albitization clot at 182.85m. Extremely mineralized with pyrite and arsenopyrite at approx 10% and 2% respectively.

Standard 049 used CDM-CN-2

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-042

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)
183.25	185.30	**ULTRAMAFICS** Well foliated ultramafics with olive green to grey carbonate alteration; carbonate stringers and banding at approx 15%; late white quartz flooding locally, especially over the last 45cm. Pyrite mineralization disseminated throughout at approximately 1.5% with trace to minor arsenopyrite.	um	2	0	2	0	051	183.25	184.25	1.00	1.5	tr			0.039					
			um	2	0	10	0	052	184.25	185.30	1.05	1.5	tr			0.068					
185.30	188.40	**FELDSPAR POPRHYRY** Medium-grained, massive pinkish porphyry with approx 40% subhedral white plag phenocrysts and 10% grey chlorite wisps. Black chlorite along moderate fracturing. 1% finely disseminated pyrite throughout. Sharp upper contact @ 60 deg tca. Lower contact rubbly.	por	0	0	0	0	053	185.30	186.30	1.00	1	-			0.101					
188.40	192.00	**ULTRAMAFICS** Soft, dark and blocky. Serpentine/talc altered. Non-magnetic. Well foliated.																			

Printed: April-27-18

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	HR1008			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Hole plugged and casing remains capped.
HOLE NO.:	OG18-043	LENGTH (m):	225.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5363064.000	EASTING:	474736.000	COLLAR SURVEY BY: Don (GPS)	
SECTION:	SZ_720W	ZONE:	South Zone	ELEVATION (m):	300.000	DRILLING COMPANY: Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	359. / -59.0	SURVEYED:	1.000 / -1.000	DATE LOGGED: Mar. 11, 2018 TO Mar. 12, 2018	Core Storage: Norex compound
HOLE STARTED:	March 09, 2018	HOLE FINISHED:	March 11, 2018	MAG:	11º w	LOGGED BY: D.Heerema	Page 1 of 8

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	25.80	**OVERBURDEN** Downhole surveys… 36m 358.6 azi, -58.7 dip 87m 359.2 azi, -59.3 dip 138m 0.8 azi, -59.2 dip 189m 1.9 azi, -58.7 dip																			
25.80	33.00	**AMYGDULOIDAL DACITES** Moderate green colouration with a slightly more felsic composition; approx 10% creamy felds filled amygdules. Very blocky unit showing strong pitting as a result of dissolved minerals. Last 40cm appear to be in a brittle fault.																			
33.00	57.90	**ANDESITE** More mafic composition with a deeper green chloritic alteration; fairly massive texture; extremely broken/blocky/faulted unit at very shallow angle tca. Strong pitting as well as fine cream/green felds/epi stringers. 32.60 - 34.50m: brittle fault with gravel material locally; shallow fracture angles of 5-20 deg tca 38.40 - 41.40m: extremely fractured to 3-5cm lengths of core with gravel material locally; fracturing @ approx 40-45 deg tca																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-043

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)
		43.44 - 43.87m: fault @ 65 degree tca -rusty with gravel gouge 45.30 - 47.97m is a section of increased silicification with increased secondary quartz veinlets; extensional veining forming weak vein arrays; trace pyrite 47.97 - 48.07m: white quartz vein @ 45 deg tca 49.30 - 49.83m: brittle fault with gravel to angular shards to 3cm 51.30 - 51.75m: brittle fault @ 43 deg tca with angular gravel material 53.65 - 53.70m: white quartz veinlet @ 60 deg tca																			
57.90	106.45	**AMYGDULOIDAL PILLOWS** Light green more dacitic composition with darker green/black chloritic selvages and vesicles now filled with quartz and cream/green felds/carb. The amygdules range from 4-15% in abundance and 4mm to 1cm in true width. Local selvages contain late quartz with associated pyrrhotite. Thin felds/carb stringers cut the unit and locally (good example at 69.60m) show 5mm left lateral offsetting of original textures. Unit starts off blockier and faulted but below 69.05m the rocks are much more competent. Mineralized alteration zones within consisting of fine cream/beige albitization and quartz flooding hosting pyrite and arsenopyrite. These features are broken out below. 57.73 - 58.00m: brittle fault 61.00 - 61.30m: brittle fault	m.dk	0	0	0	0	001	70.50	71.85	1.35	1	-			0.032					
			m.dk	0	0	0	0	002	71.85	73.20	1.35	1	-			0.005					
			vol	0	0	0	0	003	82.63	83.63	1.00	-	-			0.003					
			min z	0	2	3	0	004	83.63	84.83	1.20	8	0.5			2.640					
			vol	0	0	1	0	005	84.83	85.83	1.00	tr	-			0.208					
			vol	0	0	2	0	006	85.83	87.00	1.17	tr	-			0.004					
			vol	0	0	2	0	007	87.00	88.50	1.50	tr	-			0.003					
			vol	0	0	4	0	008	88.50	90.00	1.50	tr	-			0.006					
			Blank					009	90.00	90.00	0.00					0.001					
			vol	0	0	0	0	010	90.00	91.00	1.00	-	-			0.004					
			vol	0	0	4	0	011	91.00	92.04	1.04	tr	-			0.027					
			min z	0	1	1	0	012	92.04	92.24	0.20	1	1			0.737					
			vol	0	0	1	0	013	92.24	93.24	1.00	-	-			0.008					
			vol	0	0	0	0	014	104.68	105.68	1.00	-	-			0.021					
			min z	0	3	20	0	015	105.68	106.45	0.77	15	2			7.120					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-043

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)

63.68 - 64.30m: brittle fault @ approx 65 deg tca with gravel size shards

67.00 - 67.80m: brittle fault @ approx 70 deg tca
-minor rustiness and strong pitting

68.35 to 68.60m is a poorly developed alteration zone with weak albitization and pyrite + arsenopyrite mineralization at approx 1% combined; foliation @ 40 deg tca

68.60 - 69.05m: brittle fault with coarse sand to tiny gravel material within

70.50 to 73.20m is a fine-grained and massive mafic (Diabase) dike with sharp upper and lower contacts @ 28 deg tca
-classic salt and pepper texture of unit
-50% mafics (actinolite) and 50% dark purplish coloured felsics
-homogenous with disseminated cubes of pyrite to 2mm averaging approximately 1%
-non-magnetic

83.63 - 84.85m: mineralized/altered zone; foliated and very finely albitized to a creamy/mauve colouration; foliation starts off @ 65 deg tca but shallows and becomes more contorted near base of interval to 10 deg tca; the alteration and strongest mineralization is truncated at a thin carb slip with bleaching forming a halo; late semi-transparent quartz flooding present as local knots and irregular veinlets; barren mineralization consists of very finely disseminated pyrite at approx 8% with minor to 0.5% arsenopyrite

92.04 - 92.24m: weakly altered and mineralized zone; slight albitization with gradational contacts; slightly coarser pyrite with

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-043

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 needle arsenopyrite forming weak stringers 105.68 - 106.45m: strongly altered and mineralized zone; sharp alteration contacts; foliated @ 62 deg tca; intense albitization to mauve/beige colour and pyritization that has been intruded and brecciated by thin grey quartz stringers and veinlets; unit composed of approx 20% quartz; pyrite averaging approximately 15-20% with 1-2% fine arsenopyrite needles																			
106.45	113.65	**ULTRAMAFICS** Carbonate altered and cut by late quartz with pyrite mineralization. The upper 35cm of the unit is a beige banded section of more sericite alteration with dark chlorite seams and minor fuchsite; coarser blebs of pyrite at approx 1.5% over this interval. From 106.80 to 107.25m is a section of pervasive brilliant green fuchsite now intruded by quartz flooding/veinlets showing deformation; pyrite and arsenopyrite mineralization at approx 3-4% and 1% respectively 107.25 - 108.90m is a section with olive green carb, minor fuchsite and sections of beige carbonate that has been intruded by late semi-transparent quartz veins ranging from 1cm to 8cm. Minor pyrite with trace arsenopyrite 108.20 - 108.28m: white quartz vein @ 60 deg tca below 108.90m the unit is basically olive green carbonate altered with trace fuchsite 109.40 - 110.14m and 112.45 - 112.85m: mafic dikes @ 40 and 60 degrees tca respectively	um	3	0	4	1	016	106.45	107.45	1.00	2	0.5			0.660					
			um	3	0	10	0	017	107.45	108.45	1.00	0.5	-			0.017					
			um	3	0	4	0	018	108.45	109.45	1.00	tr	-			0.004					
			um	3	0	1	0	019	109.45	110.45	1.00	tr	-			0.008					
			um	3	0	2	0	020	110.45	111.45	1.00	tr	-			0.020					
			um	3	0	2	0	021	111.45	112.45	1.00	tr	-			0.012					
			Standard					022	112.45	112.45	0.00					2.720					
			um	3	0	0	0	023	112.45	113.65	1.20	tr	-			0.016					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-043

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)
		Standard 022 used HGS1																			
113.65	143.80	**AMYGDULOIDAL VOLCANICS** Dacitic unit of amygduloidal volcanics that appear to be pillows with darker narrow selvages. Unit is same as above the ultramafics; very competent with few breaks. Unit contains alteration/mineralized zones like above and are broken out below. 114.25 - 116.20m: alteration/mineralized zone; weak to moderate albitization with few late quartz veinlets; fine pyrite mineralization averaging approx 3% with minor arsenopyrite 139.20 - 140.10m: alteration/mineralized zone with more pervasive albitization; soft green/cream/beige colour; stronger mineralization in center of interval decreasing toward the contacts; thin grey quartz and chlorite material cutting alteration; pyrite mineralization as fine disseminations to 2mm blebs averaging 3%.	vol	0	0	0	0	024	113.65	114.25	0.60	0.25	-								0.888
			min z	0	1.5	2	0	025	114.25	115.25	1.00	3	tr								2.520
			min z	0	1.5	2	0	026	115.25	116.20	0.95	3	tr								4.020
			vol	0	0	2	0	027	116.20	117.20	1.00	tr	-								0.017
			vol	0	0	0	0	028	138.20	139.20	1.00	-	-								0.007
			min z	0	2	2	0	029	139.20	140.10	0.90	3	tr								1.910
			vol	0	0	0	0	030	140.10	141.10	1.00	-	-								0.017
			vol	0	0	0	0	031	141.10	142.10	1.00	-	-								0.007
			vol	0	0	0	0	032	142.10	143.10	1.00	-	-								0.008
			vol	0	0	25	0	033	143.10	143.80	0.70	0.5	-								0.062
143.80	147.55	**MINERALIZED ZONE** Pervasively albitized to a dull cream/greyish colour with a hint of soft mint green. The alteration has been intruded by thin grey quartz stringers and veinlets at averaging approx 5%. Alteration and mineralization strongest where quartz material is greatest. Very fine pyrite and arsenopyrite throughout at approx 5:1 ratio or approx 13% and 2%. The lower 90cm has slightly less albite and a more brecciated texture and stronger foliation with coarser pyrite as 1-2mm cubes. Contacts of alteration zone are fairly pronounced at 70 deg tca.	min z	0	3	5	0	034	143.80	144.55	0.75	8	1.5								1.550
			min z	0	3	2	0	035	144.55	145.55	1.00	12	2								3.390
			Blank					036	145.55	145.55	0.00										0.002
			min z	0	3	5	0	037	145.55	146.55	1.00	15	3								2.870
			min z	0	3	6	0	038	146.55	147.55	1.00	13	2								3.300

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-043

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)
147.55	166.23	**AMYGDULOIDAL VOLCANICS** Heterogeneous unit of amygduloidal volcanics; heterogeneous by alteration as the upper portion to 161m is more chlorite altered and weakly brecciated by late quartz and dark chlorite breaks; coarse blebby pyrite found within the chlorite/quartz matrix reaching as much as 0.75% over a meter. Amygdules present but far less abundant. From 161 to 166.23m the unit has the more typical lighter green colour, no brecciation and more pronounced creamy coloured amygdules. 154.03 - 154.13m: narrow alteration/mineralized seam @ 58 deg tca; albitized and mineralized with 4% pyrite and minor arsenopyrite	vol	0	0	0	0	039	147.55	148.55	1.00	tr	-			0.085						
			vol	0	0	2	0	040	148.55	149.55	1.00	tr	-			0.006						
			vol	0	0	2	0	041	149.55	151.00	1.45	0.75	-			0.094						
			vol	0	0	0	0	042	165.23	166.23	1.00	tr	-			0.118						
166.23	166.73	**MINERALIZED ZONE** Moderately developed alteration zone of albitization and associated mineralization; contacts are slightly more gradational than the stronger alteration zones; mineralization is weaker consisting of approx 2% pyrite and trace to minor arsenopyrite.	min z	0	1	0	0	043	166.23	166.73	0.50	2	tr			1.130						
166.73	175.82	**ANDESITE** Darker, more mafic and more massive with occasional amygdule. Unit has been cut by numerous thin 1-2mm white quartz/carb stringers strongest in the central portion of the unit. Extensional fracturing filled with late semi-transparent quartz and minor green chlorite present also.	vol	0	0	0	0	044	166.73	167.73	1.00	tr	-			0.130						
			vol	0	0	1	0	045	167.75	169.25	1.50	tr	-			0.097						
			vol	0	0	1	0	046	169.25	170.75	1.50	-	-			0.005						
			vol	0	0	1	0	047	170.75	172.25	1.50	-	-			0.031						
			vol	0	0	1	0	048	172.25	173.75	1.50	-	-			0.005						
			vol	0	0	1	0	049	173.75	174.82	1.07	-	-			0.104						
			vol	0	0	0	0	050	174.82	174.82	0.00	-	-			0.255						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-043

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)
175.82	178.15	**MINERALIZED ZONE** This mineralized zone appears to be within three protoliths; the andesitic volcanics, graphitic argillite and ultramafics. The upper section of the unit to 177.55m is interpreted to be altered volcanics but may be altered sediments; contact with argillites drawn based upon the sudden presence of black finely laminated mudstones. From 175.82 to 177.55m is very finely albitized/sericitized to a light cream/beige colour that gradationally darkens to a darker brown/grey colouration; unit cut by approx 5-6% anastomosing thin 0.5 to 3mm dark grey quartz stringers/veinlets. Extremely mineralized by pyrite and arsenopyrite; strongest below 176.40m. Very fine to fine pyrite averaging approx 15% with approx 2% arsenopyrite with sulphide grains often grown with long axis parallel to moderate foliation @ 60-65 deg tca. From 177.55 to 178.00m is what is likely the graphitic argillite horizon; upper 22cm is very dark finely bedded mudstones; graded bedding showing south younging; bedding @ 60 deg tca; weakly silicified and cut by semi-transparent quartz veinlets; well mineralized with 8% pyrite, trace arsenopyrite and minor sphalerite the lower 23cm is strongly sericite/albite altered to more pervasive bands with local quartz flooding and weak brecciation; approx 2% pyrite and minor arsenopyrite The last 15cm of mineralized interval from 178.00 to 178.15m is extremely and quartz flooded that likely represents an ultramafic protolith. Approximately 4% pyrite and minor arsenopyrite. Standard 052 used CDN-CM-2	min z	0	2	5	1	051	175.82	176.55	0.73	8	1			3.240						
			Standard					052	176.55	176.55	0.00					1.320					
			min z	0	3	6	1	053	176.55	177.55	1.00	15	2			2.350					
			min z	1	2	9	1	054	177.55	178.15	0.60	7	1			0.447					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-043

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)
178.15	225.00	**ULTRAMAFICS** Deep green/black unit with strong white carb stringers and bands showing moderate deformation at top of the unit (south) that gradationally decreases to a massive generally undeformed unit with only occasional carb structures below 190m. Very local and weak magnetism to 196.75m where is becomes strong and pervasive. Deeper in unit the rock generates a slightly bluish hue.	um	1	0	0	0	055	178.15	179.15	1.00	tr	-			0.029					

Printed: April-27-18

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	HR1008			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Drilling below hole OG17-041 starting with 2 hex corebarrels. Hole plugged beneath casing and casing remains.
HOLE NO.:	OG18-044	LENGTH (m):	387.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362914.000	EASTING:	474676.000	COLLAR SURVEY BY: Don (GPS)	
SECTION:	SZ_780W	ZONE:	South Zone	ELEVATION (m):	298.000	DRILLING COMPANY: Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	358. / -59.0	SURVEYED:	1.000 / -1.000	DATE LOGGED: Mar. 21, 2018 TO Mar. 24, 2018	Core Storage: Norex compound
HOLE STARTED:	March 20, 2018	HOLE FINISHED:	March 24, 2018	MAG:	11º w	LOGGED BY: D.Heerema	Page 1 of 12

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	5.00	**OVERBURDEN** Downhole surveys… 15m 357.2 azi, -58.1 dip 66m 358.1 azi, -57.7 dip 117m 359.5 azi, -56.8 dip 168m 0.4 azi, -56.8 dip 219m 1 azi, -55.7 dip 270m 1 azi, -55.2 dip 321m 1.1 azi, -55.1 dip 372m 2.8 azi, -54.9 dip																			
5.00	147.00	**CONGLOMERATE** Gritty unit of pebble conglomerate; coarse silt to sandy groundmass hosting pebbles ranging from felsic to ultramafic. Clast abundance changes but generally increases downhole. Higher in the unit the clasts are smaller and less abundant. Deeper in the unit the dominant clasts are ultramafic. The unit is well foliated with pebble elongation; ultramafic pebbles showing more elongation than the felsic. Chlorite, sericite and carbonate alteration throughout; sericite as thin wisps to bands; the carbonate alteration mainly of ultramafic clasts to an olive green and locally fuchsite. Silicification locally present also. Quartz porphyroblasts throughout from trace to 15% as glassy round to subangular. Pyrite mineralization as fine blebs within bedding locally; or as mineralized pebbles. Local enrichment in pyrite noted below.	congl	2	0	2	0	001	48.00	49.50	1.50	4	-			0.038					
			congl	2	0	2	0	002	49.50	51.00	1.50	4	-			0.002					
			congl	2	0	0	0	003	51.00	52.50	1.50	0.75	-			0.011					
			congl	2	0	0	0	004	52.50	54.00	1.50	3	-			0.030					
			congl	2	0	1	0	005	54.00	55.50	1.50	tr	-			0.022					
			congl	2	0	0	0	006	55.50	57.00	1.50	0.5	-			0.023					
			congl	2	0	0	0	007	57.00	58.50	1.50	tr	-			0.006					
			congl	2	0	0	0	008	58.50	60.00	1.50	tr	-			0.002					
			congl	2	0	0	0	009	60.00	61.50	1.50	2	-			0.002					
			congl	2	0	2	0	010	61.50	63.00	1.50	2	-			0.043					
			congl	2	0	0	0	011	63.00	64.50	1.50	tr	-			0.002					
			congl	2	0	1	0	012	64.50	66.00	1.50	0.25	-			0.034					
			congl	2	0	3	0	013	66.00	67.50	1.50	5	-			0.071					
			congl	2	0	0	0	014	67.50	69.00	1.50	2	-			0.022					
			congl	2	0	2	0	015	69.00	70.65	1.65	2	-			0.045					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-044

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)
		30.00 to 30.70m: ground rock; fault or drill induced?	congl	2	0	1.5	0	016	70.65	72.36	1.71	1	-			0.048					
			Blank					017	72.36	72.36	0.00					0.002					
			I.Dk			3		018	72.36	73.40	1.04	0.5	-			0.002					
		36.13 to 47.85m is a section of pebble poor conglomerate that is more of a wacke. Strong glassy quartz porphyroblasts throughout at 15%. A few thin quartz veinlets between 43.85 and 45.00m.	I.Dk			3		019	73.40	74.55	1.15	0.5	-			0.002					
			congl	2	0	0	0	020	74.55	76.00	1.45	5	-			0.080					
			congl	2	0	0	0	021	76.00	77.50	1.50	5	-			0.082					
			congl	2	0	8	0	022	77.50	79.00	1.50	4	-			0.010					
			congl	2	0	0	0	023	79.00	80.50	1.50	1	-			0.030					
		41.40 to 41.66m: semi-transparent to white quartz veining as numerous 4-5cm veins with irregular contacts; associated sericite alteration with trace pyrite	congl	2	0	4	0	024	80.50	82.00	1.50	3	-			0.011					
			congl	2	0	5	0	025	82.00	83.50	1.50	4	-			0.111					
			Standard					026	83.50	83.50	0.00					3.160					
			congl	2	0	3	0	027	83.50	85.00	1.50	3	-			0.068					
		From 47.85 to 147m the conglomerate changes to a very ultramafic pebble-rich unit with approx 80% ultramafic pebbles, 10% felsic pebbles and 10% gritty groundmass. Well foliated and elongate pebbles with the more mafic pebbles often stretched to ribbons and the harder felsic to silicous pebbles retaining a slightly rounder shape. Pyrite found within felsic/silicous clasts with appears to associated with carbonate; pyrite not primary or from source of pebble but has grown into subhedral-euhdral cubes from dust-like to 3mm in size as possible replacement. Pyrite content can reach to 90% in a pebble and average mineralized pebble per meter is approx 4. From approx 113m to 147m is a slight increase in sericite alteration and variable clast types. Minor fuchsite alteration locally. From 126.60 to 130.20m is an influx of quartz flooding as irregular and anastomosing quartz veinlets with 60% quartz over 40cm intervals. Semi-transparent to white quartz; barren of sulphides	congl	2	0	12	0	028	85.00	86.50	1.50	3	-			0.019					
			congl	2	0	0	0	029	86.50	88.00	1.50	tr	-			0.011					
			congl	2	0	0	0	030	88.00	89.50	1.50	0.25	-			0.007					
			congl	2	0	0	0	031	89.50	91.00	1.50	0.25	-			0.081					
			congl	2	0	2	0	032	91.00	92.27	1.27	tr	-			0.002					
			congl	2	0	1	0	033	92.27	93.27	1.00	tr	-			0.002					
			I.dk			3		034	93.27	94.70	1.43	0.5	-			0.002					
			I.dk			10		035	94.70	96.20	1.50	0.5	-			0.002					
			I.dk			10		036	96.20	97.70	1.50	0.5	-			0.002					
			congl	2	0	1	0	037	97.70	99.00	1.30	3.5	-			0.050					
			congl	2	0	0	0	038	99.00	100.50	1.50	tr	-			0.009					
			congl	2	0	0	0	039	100.50	102.00	1.50	0.5	-			0.027					
			congl	2	0	1	0	040	102.00	103.50	1.50	tr	-			0.009					
			congl	2	0	0	0	041	103.50	105.00	1.50	0.5	-			0.007					
			congl	2	0	2	0	042	105.00	106.50	1.50	1	-			0.020					
			congl	2	0	2	0	043	106.50	108.00	1.50	0.5	-			0.021					
			congl	2	0	3	0	044	108.00	109.50	1.50	4	-			0.079					
			congl	2	0	1	0	045	109.50	111.00	1.50	<1	-			0.010					
		69.48 to 69.72m: purplish silicous dike @ 30 deg tca -grey and purplish with approx 15% black tourmaline specks -sharp contacts and 2% fine cubic pyrite	congl	2	0	0.5	0	046	111.00	112.50	1.50	tr	-			0.002					
			congl	2	0	0	0	047	112.50	114.00	1.50	1	-			0.010					
			congl	2	0	0	0.5	048	114.00	115.00	1.00	2	-			0.005					
			congl	2	0	0	0.5	049	115.00	116.00	1.00	4	-			0.034					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-044

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)
		72.36 to 74.55m: intermediate dike with a moderate fabric @ 45 deg tca -moderate to sharp contacts -a fine-grained dike within the dike from 72.75 to 73.07m @ 30 deg tca parallel to initial dike; aphanitic sericitic chill margins 76.68 to 76.82m: purplish silicous dike/vein @ 32 deg tca -darker purple with cubic pyrite along contacts 80.95 to 81.01m: white quartz veinlet @ 70 deg tca 85.22 to 85.51m: semi-transparent quartz veining with irregular contacts; minor pyrite over last 5cm 93.27 to 97.70m: fine-grained massive intermediate dike with sharp upper and lower contacts @ 60 and highly irregular; grey with weak hematization of plag; unit but by white quartz/chlorite veinlets from 2mm to 9cm. Some of the features are discontinuous filling cracks and healing hairline slip planes. Minor disseminated pyrite at approx 1% throughout. 98.32 to 98.60m: brittle fault with fractured and ground core; dark staining as well as strong pitting 120.77 to 125.45m: intermediate dike with a weak to moderate fabric; tuffacous texture; cut by numerous white quartz veinlets at approx 10% of unit; 1mm to 1cm in width Standard 026 used CDN-GS-3H Standard 059 used CDN-CM-2 Foliation angles... 75m @ 45 deg, 87m @ 30 deg, 99m @ 20 deg, 103m @ 40	congl	2	0	0	0.5	050	116.00	117.00	1.00	0.5	-			0.005						
			congl	2	0	0	0.5	051	117.00	118.00	1.00	0.5	-			0.007						
			congl	2	0	0	0.5	052	118.00	119.00	1.00	2	-			0.019						
			congl	2	0	5	0.5	053	119.00	120.00	1.00	1.5	-			0.026						
			congl	2	0	0	1	054	120.00	120.77	0.77	tr	-			0.002						
			l.dk			10		055	120.77	122.27	1.50	-	-			0.002						
			l.dk			10		056	122.27	123.77	1.50	-	-			0.002						
			l.dk			10		057	123.77	125.45	1.68	-	-			0.002						
			congl	1	0	8	0	058	125.45	126.60	1.15	tr	-			0.002						
			Standard					059	126.60	126.60	0.00					1.330						
			congl	2	1	35	0	060	126.60	127.80	1.20	tr	-			0.015						
			congl	2	1	12	0	061	127.80	129.00	1.20	0.5	-			0.002						
			congl	2	0	25	0	062	129.00	130.00	1.00	0.5	-			0.005						
			congl	2	0	7	0	063	130.00	131.00	1.00	0.25	-			0.005						
			congl	2	0	1	0.5	064	131.00	132.00	1.00	1	-			0.002						
			congl	2	0	3	0	065	132.00	133.00	1.00	0.25	-			0.007						
			congl	2	0	1	0	066	133.00	134.00	1.00	0.25	-			0.014						
			congl	2	0	0	0	067	134.00	135.00	1.00	tr	-			0.002						
			congl	2	0	0	0	068	135.00	136.00	1.00	0.25	-			0.011						
			congl	2	0	0	1	069	136.00	137.00	1.00	0.5	-			0.002						
			congl	2	0	4	1.5	070	137.00	138.00	1.00	0.5	-			0.002						
			congl	2	0	3	1	071	138.00	139.00	1.00	1.5	-			0.002						
			congl	2	0	0	0.5	072	139.00	140.00	1.00	0.25	-			0.028						
			congl	2	0	0	0	073	140.00	141.00	1.00	0.5	-			0.002						
			congl	2	0	0	0	074	141.00	142.00	1.00	0.25	-			0.002						
			congl	2	0	1	0	075	142.00	143.00	1.00	0.25	-			0.002						
			congl	2	0	0	0.5	076	143.00	144.00	1.00	tr	-			0.002						
			Blank					077	144.00	144.00	0.00					0.002						
			congl	2	0	0	0.5	078	144.00	145.00	1.00	1.5	-			0.002						
			congl	2	0	11	0	079	145.00	146.00	1.00	0.5	-			0.002						
			congl	2	0	1	2	080	146.00	147.00	1.00	0.5	-			0.002						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-044

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)
		deg, 114m @ 45 deg, 120m @ 20 deg, 133m @ parallel, 135m @ 10 deg, 141m @ parallel, 144m @ 10 deg, 147m @ 25 deg																			
147.00	156.25	**GREYWACKE** Gritty silt to sandy material with no evidence of pebbles. Grey-green with yellowish wisps and bands of sericite. Fairly homogenous unit. Moderate local silicification. Trace to minor pyrite. Lower contact @ 40 deg tca																			
156.25	182.24	**ARGILLITE** Finely bedded and black; local evidence of graded bedding with fine grey silty bases that fine to aphanitic black tops. Beds vary from <1mm to dm scale. Hard to distinguish younging as it appears different in different locations. Bedding angles vary starting @ 40 deg tca shallowing to parallel tca at 173.5m and steepening to 40 deg tca by 180m and 90 deg tca at 180.50m. Rocks fine and become graphitic at end of unit. Unit cut by irregular and contorted quartz/carb stringers and veinlets at random orientations tca. These structures are healing thin fractures strongest from 156.25 to 164.25m. Generally clotty pyrite found in minor quantities within the stringers/veinlets and not in the argillite itself. Minor chalcopyrite locally associated with galena. Galena and orange sphalerite present within the stringers also. Sphalerite more common than galena. Galena + chalcopyrite present along fracture at 176m. 180.60 to 182.24: fault zone with extremely fractured and ground core	arg		8			081	156.25	157.00	0.75	tr	-			0.006						
			arg		3			082	157.00	158.00	1.00	tr	-			0.012						
			arg		2			083	158.00	159.00	1.00	tr	-			0.002						
			arg		12			084	159.00	160.00	1.00	tr	-			0.006						
			arg		6			085	160.00	161.00	1.00	tr	-			0.002						
			arg		7			086	161.00	162.00	1.00	tr	-			0.002						
			arg		0.5			087	168.00	169.00	1.00	tr	-			0.002						
			arg		0.5			088	169.00	170.00	1.00	tr	-			0.002						
			Standard					089	170.00	170.00	0.00					3.090						
			arg		2			090	170.00	171.00	1.00	tr	-			0.002						
			arg		1			091	171.00	172.00	1.00	tr	-			0.002						
			arg		4			092	172.00	173.00	1.00	tr	-			0.002						
			arg		2			093	173.00	174.00	1.00	tr	-			0.002						
			arg		2.5			094	174.00	175.00	1.00	tr	-			0.002						
			arg		0			095	175.00	176.00	1.00	tr	-			0.008						
			Blank					096	176.00	176.00	0.00					0.002						
			arg		3			097	176.00	177.00	1.00	tr	-			0.002						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-044

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)
		Standard 089 used CDN-GS-3H																			
182.24	184.65	**ULTRAMAFICS** Strong olive green carbonate alteration with approx 30% white wispy to stringer carbonate; upper 0.90m weakly silicified with trace to minor pyrite. Foliated @ approx 90 deg tca.	um			0		098	182.24	183.45	1.21	tr	-			0.002					
			um			0		099	183.45	184.65	1.20	tr	-			0.002					
184.65	188.05	**SILICIFIED ZONE** Original textures are overprinted by strong silicification as well as fine albitization, chloritization and wispy yellow carbonate; the green chlorite and cream albitization has a weak brecciated texture; yellow wispy carbonate present from 185.75 to 186.35m; areas of strongest silicification are aphanitic with a cherty appearance. Unit moderately flooded by white quartz to 186.35m as well as thin white to grey veinlets from 186.75 to 187.45m. Quartz generally as veinlets but also as knots that cut and brecciate the alteration. A thin 1cm veinlet from 186.70 to 186.93m runs parallel tca showing tight folds and crenulations with clotty pyrite along the contacts and occasional fold nose. Pyrite mineralization as fine disseminations strongest in yellow carbonate altered section at approx 1% with approx 0.25 to 0.5% throughout the rest.	sil zone			30		100	184.65	185.35	0.70	0.25	-			0.002					
			sil zone			3		101	185.35	186.35	1.00	0.5	-			0.002					
			sil zone			3		102	186.35	187.35	1.00	0.5	-			0.002					
			sil zone			3		103	187.35	188.05	0.70	0.25				0.023					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-044

METERAGE		DESCRIPTION
FROM	TO	
188.05	217.00	**ARGILLITE** Finely bedded grey silts to black mudstones; Graded bedding present showing waviness and crenulations. Unit moderately disturbed by thin white carb stringers predominantly between 195 and 205m. Thin semi-transparent quartz stringers and veinlets with minor white carb cut the unit also; hosting minor clotty pyrite as well as local orange sphalerite and lesser galena. The quartz veinlets are filling extensional fractures. Approx 0.25% pyrite throughout the unit with exception of pyrite stringers located between 216.56 and 216.87m. Sphalerite as clots as well as thin stringers present between 211.85 and 214.20m. Galena clots of 12x4mm between 212.30 and 212.46m. 200.95 to 201.04m: irregular semi-transparent quartz vein with trace sphalerite 210.87 to 211.10m: bodied quartz veining at approx 40% over interval hosting coarse blebby pyrite within quartz From 212.80 to 213.60m is a section of tremendous grey to white quartz flooding leading to strong wispy brown carb, chlorite, albite, fuchsite, sericite and silicification to a cherty texture; the flooding has resulted in wisps and bands contorted and brecciated; brecciation present from 213.13 to 213.17m possible as a healed fault. Few thin cross-cutting carb stringers present with minor sphalerite. Trace to minor pyrite mineralization associated with the alteration/quartz system.
217.00	222.95	**AMYGDULOIDAL PILLOWS**

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			2		104	188.05	189.00	0.95	tr	-			0.002					
arg			4		105	211.00	212.00	1.00	0.5	-			0.002					
arg		0.5	1	0.5	106	212.00	213.00	1.00	0.5	-			0.002					
arg	1	1	25	1	107	213.00	214.00	1.00	0.5	-			0.002					
arg			1		108	214.00	215.00	1.00	0.5	-			0.002					
arg			4		109	215.00	216.00	1.00	0.5	-			0.002					
arg			0.5		110	216.00	217.00	1.00	1	-			0.008					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-044

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)
		Light to dull olive green coloured pillows with dark irregular selvages and trace to 3% amydgules; pillows are very fine-grained closer to selvages with slightly coarser centers; well fractured, now healed by felds/carb material; occasional younger quartz/carb veinlet cutting unit. Late carbonate veinlets between 222.42 and 222.95m that contain coarser orange sphalerite and galena at approx 4:1 ratio respectively. One tiny speck of cpy with sph and gn in veinlet @ 222.42. Trace pyrite within the pillowed unit.																			
222.95	235.65	**GRAPHITIC ARGILLITE** Very dark and fine-grained mudstones; bedding for the most part is well preserved but shows more deformation downhole; bedding angles start off at 53 deg tca and steepen to 60 deg by 228m before shallowing again to 25 deg tca at end of unit. Much stronger pyrite mineralization in this unit than uphole; pyrite most common as stringers, fine disseminations forming weak stringers, nodules and dust-like grains; the pyrite is secondary and grown in association with fine white carbonate; pyrite nodules as porphyroblasts; pyrite content averages approx 4-5%. 223m: discontinuous carbonate veinlet filling a gash fracture with coarse orange sphalerite + galena cutting across bedding; oriented @ 15 deg tca 228.26 to 228.60m: fracturing with a healed fault @ 55 deg tca -228.48 to 228.60m consists of a healed fault consisting of square calcite growths from 1 to 3mm within a fine mesh of dirty graphitic material; speckled appearance as a result of the calcite growths; approx 90% calcite 229.10 to 230.72m is a section of olive green carbonate altered	arg			1		111	222.95	224.00	1.05	5	-			0.048						
			arg			1		112	224.00	225.00	1.00	4	-			0.018						
			Blank					113	225.00	225.00	0.00					0.002						
			arg			0		114	225.00	226.00	1.00	6	-			0.027						
			arg			0		115	226.00	227.00	1.00	3	-			0.014						
			arg			1		116	227.00	228.00	1.00	3.5	-			0.023						
			arg			10		117	228.00	229.10	1.10	4	-			0.020						
			um	3	0	3	0	118	229.10	230.72	1.62	0.25	-			0.002						
			Standard					119	230.72	230.72	0.00					1.500						
			arg			0		120	230.72	231.72	1.00	7	-			0.007						
			arg			1		121	231.72	232.72	1.00	4	-			0.022						
			arg			0		122	232.72	233.72	1.00	4	-			0.032						
			arg			0		123	233.72	234.72	1.00	3.5	-			0.026						
			arg			0		124	234.72	235.65	0.93	3	-			0.022						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-044

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)
		ultramafics; well foliated with strong fracturing and minor late quartz/carb veinlets Standard 119 used CDN-CM-2																			
235.65	236.55	**GREYWACKE** Massive with weak to moderate pervasive yellow carbonate alteration to a mauve colour. Last 5cm of the unit is foliated with stronger carb alt; unit hosts 3% disseminated pyrite. Sharp upper and lower contacts @ 25 and 33 deg tca respectively. Cross-cutting quartz veinlets @ 336.40 and 336.46m that have been cut and displaced by late slips; clotty orange sphalerite and chalcopyrite within quartz	wacke	1	1	0	1	125	235.65	236.55	0.90	3	-			0.002					
236.55	272.80	**ULTRAMAFICS** Well foliated; olive green to soft beige carbonate alteration throughout with a speckled texture; trace fuchsite; approx 30% soft white carbonate stringers and thin bands; occasional late quartz/carb veinlet. Pyrite mineralization as coarser blebs to 241.50m before becoming finer cubes at minor quantities. Unit cut by numerous intermediate dikes. 242.90 to 243.73m: dike @ 58 deg tca -pervasive beige colouration with 0.5% pyrite 245.85 to 246.10m: dike @ 65 deg tca -pinkish-grey with 1.5% pyrite 246.80 to 248.93m: dike @ 40 deg tca -slightly coarser grained with a moderate fabric; 0.5% diss pyrite	l.dk					126	250.70	251.90	1.20	2.5	-			0.018					
			l.dk					127	256.00	257.40	1.40	2	-			0.133					
			l.dk					128	260.80	261.70	0.90	2	-			0.007					
			F.dk					129	261.70	262.45	0.75	0.5	-			0.063					
			l.dk					130	263.45	263.85	0.40	2.5	-			0.002					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-044

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)
		250.70 to 251.90m: dike @ 30 uct and lct 45 deg tca -grey and pinkish; weakly zoned; finer grained mafic chill margins -2-3% disseminated pyrite 256.00 to 257.40m: dike @ 55 deg tca -slightly finer-grained; cut by late quartz/carb stringers and associated with these structures is silicification and bleached halos to a peach/pink colour; approx 1% pyrite 260.80 to 262.45m: dike @ 60 deg tca -unit fine-grained and grey to 261.70m with 2% disseminated pyrite -261.70 to 262.25m is extremely felsic and silicous with only 5% mafics and a pervasive peach colouration; cherty texture; hosts 0.25% pyrite -262.25 to 262.45m: more mafic chill margin 263.40 to 263.85m: dike @ 85 deg tca -darker and more mafic with felsic patches; approx 2.5% pyrite																			
272.80	314.90	**AMYGDULOIDAL PILLOWS** Light green dacitic volcanics with dark (almost black) aphanitic selvages and variable amygdule content. Amygdules like uphole are a cream colour and likely cemented by fine feldspar. Unit moderately fractured. Small scale sigmoidal fracturing locally filled with grey smokey quartz. Occasional hematitic fracture; and quartz/carb veinlet with a slight pinkish colouration. Mineralization in the form of very fine pyrite and arsenopyrite associated with albitized and weakly quartz flooded zones. From 372.80 to 275.10m is an interval of weak to moderate albitization but lacks mineralization; occasional thin quartz	vol	0	1	1	0	131	273.00	274.00	1.00	-	-								0.145
			vol	0	2	2	0	132	274.00	275.00	1.00	0.25	tr								0.167
			vol	0	0.5	1	0	133	281.43	282.43	1.00	tr	-								0.083
			min	0	3	6	0	134	282.53	283.53	1.00	4	0.5								3.100
			min	0	3	7	0	135	283.53	284.25	0.72	4	0.5								2.630
			vol	0	0		0	136	284.25	285.25	1.00	tr	-								0.043
			Blank					137	301.50	301.50	0.00										0.002
			vol	0	0	2	0	138	301.50	302.50	1.00	tr	-								0.061
			min	0	1	4	0	139	302.50	302.88	0.38	2	tr								0.691
			vol	0	0	0	0	140	302.88	303.88	1.00	-	-								0.150
			vol	0	0	1	0	141	310.82	311.82	1.00	-	-								0.005
			min	0	2	15	0	142	311.82	312.20	0.38	2.5	tr								0.062

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-044

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 showing folding and crenulations; approx 2% pyrite and trace arsenopyrite present from 374.40 to 374.47m associated with albitization	vol	0	1	0	0	143	312.20	313.60	1.40	tr	-			0.518					
			min	0	3	4	0	144	313.60	314.90	1.30	3	1.5			3.010					

276.30 to 276.50m white quartz vein nicked by hole at approx 5 deg tca; stringer pyrite found in surrounding volcanics close to contact

282.53 to 284.25: strongly mineralized/alteration zone @ 85 deg tca; pervasive albitizaiton to a tan/beige colouration cut by very thin white to grey quartz stringers and veinlets; an insitu breccia-like texture to 283m; from there the unit is basically thinly banded albite wisps and bands with some carbonate alteration parallel to orientation of quartz flooding; specks of fuchsite not uncommon to 283m; well mineralized by fine pyrite and arsenopyrite averaging approx 4% at an approx pyrite to arsenopyrite ratio of 10:1. Sharp upper and lower contacts.

302.50 to 302.88m: weak to moderate mineralized/alteration zone with more diffuse contacts; interval somewhat bound by 0.5cm quartz veinlets on each side; weak pervasive albitization to a slightly browner hue; approximately 2% very finely disseminated pyrite + minor arsenopyrite

311.82 to 312.20m; moderately mineralized zone with weak to moderate albitization and quartz veining; a semi-transparent to white quartz vein present from 311.82 to 311.95m; barren; approx 3% pyrite + arsenopyrite outside of vein; fracturing throughout interval with a ground lower contact

313.60 to 314.90m: mineralized/alteration zone @ 87-90 deg tca -tan/mauve/beige colour as weak wisps and bands parallel to foliation; locally intruded by narrow 1-2mm semi-transparent to white quartz stringers/veinlets at only approx 4% of entire

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-044

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 Well mineralized with a consistent pyrite and arsenopyrite content at approx 5% and a ratio of 2:1 respectively. Extremely blocky unit with only piece of core exceeding 10cm throughout the interval; unit broken parallel to foliation.																			
314.90	317.30	**ULTRAMAFICS** Well foliated; olive green carb altered and weakly to moderately silicified; hard; unit cut by carb stringers to bands that show kinks and crenulations. Very blocky unit with a 6mm gouge seam at 315.40m. Local subhedral blebs of pyrite.	um	3	0	0	0	145	314.90	316.10	1.20	tr	-			0.017					
			um	3	0	0	0	146	316.10	317.20	1.10	tr	-			0.005					
317.30	347.30	**FELDSPAR PORPHYRY** Massive and silicous unit containing 35-45% white subhedral to euhedral plag phenocrysts; Unit composed of approx 40% phenos, 40% interstitial semi-transparent quartz and 20% fine amphibole or more locally cream/yellowish sericite causing a fairly pervasive tan colour to the rock associated with areas of late quartz flooding. For the most part the rock is dull grey/tan colour. Black chlorite fractures cut the unit. Extensional veinlets strongest between 326.60 and 328.60m filled with semi-transparent quartz and minor white calcite. This is the area of the strongest yellowish colouration. Disseminated pyrite throughout at approx 0.5 to 0.75% with slight local increases. Upper section to 318.40m cut by increase quartz flooding hosting black tourmaline. Slight increase in pyrite content. 339.64 to 344.62m: mafic dike @ 42 deg tca with sharp dark contacts with 1.5cm chill margins; the dike is dark grey in colour; composed of approx 60% coarser hornblende + 5%	por	0	0	15	0	147	317.30	318.30	1.00	0.75	-			0.155					
			por	0	0	2	0	148	318.30	319.30	1.00	0.5	-			0.080					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-044

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)
		green actinolite with interstitial plag; gabbroic texture; non-magnetic																			
347.30	349.20	**MAFIC DIKE** Similar to dike noted above in porphyry but this one has a weak fabric as well as weak magnetism; barren of sulphides. Upper and lower contacts @ 67 and 35 deg tca respectively.																			
349.20	387.00	**ULTRAMAFICS** Very dark and soft unit of serp/talc altered ultramafics with a weak pillowed appearance as a result of 35% anastomosing serp/carb seams; very soft with a waxy feel. Carbonate stringers often found within the anastomosing seams. Below 359.50m the ultramafic material amongst the anastomosing serp/carb becomes strongly magnetic; the serp/carb material is non-magnetic. 349.70 to 349.90m: fault @ 50 deg tca -serp-rich gouge 354.90 to 355.10m is a less altered section with spinifex texture																			

Printed: April-27-18

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	P8594			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Rods got jammed at 99m and could not be freed. Tried to reduce but the BQ would not go through. Put rubber plug below casing and pulled the casing. Retrieved 30m of rods. Remainder stuck in hole.
HOLE NO.:	OG18-045	LENGTH (m):	98.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5363011.000	EASTING:	474646.000	COLLAR SURVEY BY: Don (GPS)	
SECTION:	SZ_810W	ZONE:	South Zone	ELEVATION (m):	298.000	DRILLING COMPANY: Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	360. / -47.0	SURVEYED:	1.000 / -1.000	DATE LOGGED: Mar. 20, 2018 TO Mar. 20, 2018	Core Storage: Norex compound
HOLE STARTED:	March 15, 2018	HOLE FINISHED:	March 18, 2018	MAG:	11 w	LOGGED BY: D.Heerema	Page 1 of 3

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	24.40	**OVERBURDEN** Downhole surveys… 33m 359 azi, -46.5 dip 84m 0.4 azi, -46.6 dip																			
24.40	60.80	**AMYGDULOIDAL VOLCANICS** Fine-grained green chloritic groundmass containing amgdules anywhere from trace to 30%. Amygdules are a light green/cream colour. The rock is generally featureless with thinner dark seams that appear to be pillow selvages. Generally competent rock with moderate fracturing except for the brittle fault zones. Some natural breaks exhibiting groundwater movement with pitting and rusty staining. 30.60 - 31.10m: brittle fault with strong evidence of groundwater -oriented @ approx 20 deg tca 53.20m: ground seam with minor remnant gouge @ 45 deg tca 55.05 to 55.77m: mineralized alteration zone @ 30 deg tca -upper 10cm is flooded by 90% semi-transparent quartz followed by moderate albitization with needles of arsenopyrite to 3%. From 55.28 to 55.57m is a rubbly fault with strong rustiness and some weathered sulphides	min					001	55.05	55.77	0.72	1	2			3.350					
			min					002	57.92	58.16	0.24	1	0.5			0.537					
			min					003	59.70	60.40	0.70	2	2			0.584					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-045

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)
		57.92 to 58.16m: 4cm quartz vein @ 45 deg tca with strong yellow sericite/carb and moderate cream/beige albitization; sericite/carb alt has been weakly brecciated by late quartz veinlets -minor pyrite and arsenopyrite 59.70 to 60.40m: mineralized alteration zone @ 35-45 deg tca -strongly albitized cream/beige patches with gradational contacts bleeding into the green chloritic material; strong pyrite and arsenopyrite at approx 4% within albitized material; unit intruded by late quartz veining and later broken by fracturing/brittle faulting within; rustiness of fracturing																			
60.80	98.00	**ANDESITE** Darker green more mafic unit with no visible amygdules. The unit is well foliated with sections of wisping and gradational alteration as actinolite. Waves and weak folds evident in the foliation. Cubic and irregular blebs of pyrite upto 0.5% locally. Slight increase in fracturing versus uphole. Evidence of groundwater movement at local breaks with rustiness and strong pitting. 65.45 to 66.05m: heavily fractured with dark rustiness -drillers note losing water return here 71.55m, 72.75m, 73.10m, 75.90m, 81.13m, 87.60m, 88.10m and 88.40m are natural breaks with dark staining and pitting due to groundwater movement; narrow brittle faults? 88.70 to 89.02m: brittle fault @ 30 deg tca -extremely fractured with dark staining and trace gouge																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-045

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)
		94.80 to 95.00m: fracture zone with pitting 95.55 to 95.84m: brittle fault zone with angular shards of rock -pitting evident 97.30 to 98.00m: brittle fault that jammed the rods																			

Printed: April-27-18

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	P8594			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Stepped back 4m from OG18-045 to try again. Drilled with one round corebarrel and long reaming shell. Hole plugged by rubber plug and casing remains.
HOLE NO.:	OG18-045A	LENGTH (m):	183.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5363007.500	EASTING:	474646.000	COLLAR SURVEY BY: Don (GPS)	
SECTION:	SZ_810W	ZONE:	South Zone	ELEVATION (m):	299.000	DRILLING COMPANY: Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	360. / -49.0	SURVEYED:	1.000 / -1.000	DATE LOGGED: Mar. 20, 2018 TO Mar. 21, 2018	Core Storage: Norex compound
HOLE STARTED:	March 19, 2018	HOLE FINISHED:	March 20, 2018	MAG:	11º w	LOGGED BY: D.Heerema	Page 1 of 5

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	25.80	**OVERBURDEN** Downhole surveys 36m 1.1 azi, -49.7 dip 90m 4 azi, -49.8 dip 141m 5.4 azi, -50.4 dip 183m 8.4 azi, -50.9 dip																			
25.80	31.68	**ULTRAMAFICS** Well foliated unit of grey carbonate altered ultramafics, harder with minor silicification; carbonate stringers and banding common with local rustiness. Minor fuchsite over the first 65cm. Well fractured with fault seams. 26.36m: narrow brittle seam 26.60 to 27.33m: intermediate grey dike @ approx 40 deg tca -weak fabric containing approx 1% disseminated pyrite 28.95 to 29.63m: well fractured with ground ends with rustiness																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-045a

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)
31.68	35.55	**FELSIC DIKE** Very fine-grained silicous dike with a lite pink to greyish colour; approx 5-10% fine black specks of chlorite within; unit cut by white quartz/carb veinlets to 1.2cm. Well fractured unit healed by white quartz and thin black chlorite. Late hairline black chlorite slips showing left lateral movements. Pyrite mineralization throughout as fine to moderate disseminations averaging approx 1% found both within the dike material as well as in the healed fractures.	F.dk			10		001	31.68	32.55	0.87	0.5	-			0.014					
			F.dk			1		002	32.55	33.55	1.00	0.5	-			0.002					
			F.dk			0.5		003	33.55	34.55	1.00	0.5	-			0.008					
			F.dk			2		004	34.55	35.55	1.00	0.5	-			0.002					
35.55	36.77	**ULTRAMAFICS** Olive green carbonate altered with a strong foliation @ 70 deg tca; tight crenulations evident at 35.90m hosting fine pyrite mineralization; trace fuchsite at lower contact	um	3		0		005	35.55	36.77	1.22	tr	-			0.002					
36.77	88.85	**AMYGDULOIDAL VOLCANICS** Light to darker green unit of what appear to be pillowed volcanics with thin dark selvages and pillows hosting cream coloured amygdules. The rocks appear to vary from dacitic to andesitic. Minor quartz stringers and hairline carb. Occasional areas of small scale extensional gashes filled with quartz carb material. Unit starts off very competent but becomes much blockier below 65m. 67.00 to 67.34m: well fractured with strong pitting 68.65 to 72.00m: fault zone with tremendous fracturing as well as gouge to gravel size material; drillers note 4ft of wash and grinding																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-045a

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)
		74.70 to 75.00m: brittle fault 75.95 to 76.10m: brittle fault with pitting and extreme fracturing 77.85 to 77.93m: gravel type material 80.85 to 81.20m: rusty fracturing with abundant pitting 86.80 to 87.00m: hematized and folded dike of 4cm (true width) oriented at approx 42 deg tca; deep blood red colour																			
88.85	114.20	**ANDESITE/DACITE** This unit is a dacite to andesite unit with a slightly more massive texture; does not appear pillowed and does not contain amygdules. Appears to be a slight gradational increase in mafic content downhole. Unit is cut by localized quartz stringers and veinlets often with minor carbonate; local hematization of fractures common from 93 to 101m. Minor orange k-spar present at 100.30 to 100.90m. Local areas of weak to moderate cubic pyrite. One 2x4mm bleb of chalcopyrite found within a quartz/carb veinlet at 100.50m. Unit is well fractured with occasional rusty breaks																			
114.20	159.75	**AMYGDULOIDAL VOLCANICS** Similar to the amygduloidal unit above with a light green groundmass hosting a variable amygdule content; pillow selvages are quite distinct as irregular black bands with associated pyrrhotite mineralization locally; Unit cut by quartz/carb stringers and veinlets at random orientations; some with a pinkish hue. The unit is also cut by some intermediate diking as noted below.	vol	0	0	2	0	006	119.73	120.73	1.00	-	-			0.040						
			min	0	2	0	0	007	120.73	121.69	0.96	6	<1			1.710						
			vol	0	0	0	0	008	121.69	122.69	1.00	-	-			0.049						
			vol	0	0	0	0	009	144.22	145.22	1.00	tr	-			0.035						
			min	0	1	0	0	010	145.22	145.45	0.23	2	-			2.030						
			vol	0	0	2	0	011	145.45	146.45	1.00	-	-			0.047						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-045a

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 arsenopyrite present associated with poorly to moderately developed albitized zones. 120.73 to 121.69m: alteration/mineralized zone @ 80 deg tca -cream coloured albite amongst chlorite to form moderate banding showing evidence of crenulations and small scale drag folds along slips; pyrite and arsenopyrite associated directly with albitization upto approx 6-7% sulphides overall with strongest mineralization over the upper 50cm and lowest 15cm of interval. Pyrite to arsenopyrite ratio of approx 10:1. 123.55 to 123.65m: intermediate dike @ 40 deg tca Between 123.65 and 133.00m are numerous sections of breccia that appear to be shards of pillows within the next pillow during formation of the pillows; subangular shards upto 1cm in diameter. 140.85 to 142.65m: intermediate dike with upper and lower contacts at 30 and 20 deg tca respectively; approx 50% hematized plag; massive; hosting 1.5% cubic pyrite with cubes to 5mm. 145.22 to 145.45m: shear zone with minor albite and pyrite mineralization of approx 4%. No visible arsenopyrite Orientation of 65 deg tca																			
159.75	183.00	**ANDESITE** Darker green more mafic unit with a weak foliation; competent unit with few breaks and cut by fewer quartz veinlets. 171.10 to 172.27m: a mineralized section with little alteration except for zones of weak to moderate albitization and	vol	0	0	1	0	012	170.10	171.10	1.00	-	-			0.023					
			min	0	0.5	0	0	013	171.10	172.27	1.17	0.5	0.5			0.950					
			vol	0	0	2	0	014	172.27	173.27	1.00	tr	-			0.024					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: South Zone HOLE NO.: OG18-045a

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)
		silicification from 171.60 to 171.65 and 171.90 to 172.12m. These more altered zones contain coarse blebby pyrite, minor pyrrhotite and coarse arsenopyrite. Outside of the altered zones the mineralization bleeds out as 0.25% coarse arsenopyrite with trace to 0.25% pyrrhotite and pyrite. The interval marks the extents of the visual mineralization.																			

Printed: April-27-18

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	P8060			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Using one round core barrel. Casing pulled out. Drilled east of the large outcroping (hill).
HOLE NO.:	PH18-001	LENGTH (m):	198.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5363365.000	EASTING:	474029.000	COLLAR SURVEY BY: Don (GPS)	
SECTION:	N/A	ZONE:	Porphyry Hill	ELEVATION (m):	290.000	DRILLING COMPANY: Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	180. / -59.0	SURVEYED:	1.000 / -1.000	DATE LOGGED: Mar. 25, 2018 TO Mar. 26, 2018	Core Storage: Norex compound
HOLE STARTED:	March 24, 2018	HOLE FINISHED:	March 26, 2018	MAG:	11º w	LOGGED BY: D.Heerema	Page 1 of 3

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	36.00	**OVERBURDEN** Downhole surveys 45m 180.5 azi, -58.0 dip 96m 180.3 azi, -59.2 dip 150m 185.4 azi, -59.2 dip 198m 187.8 azi, -59.2 dip																			
36.00	43.00	**ULTRAMAFICS** Extremely fractured unit representing a fault system of serpentine/talc altered dark material; serpentine slips throughout with almost fibrous greenish/blue serp. Only 5% of interval contains core lengths exceeding 10cm in length. Strong magnetism and minor pyrite along slips																			
43.00	46.55	**MAFIC DIKE** Dark fine-grained, brownish/black unit with moderate magnetism; contacts somewhat hard to distinguish; lower is rubbly; approx 30% fine white plag; unit cut by random and often discontinuous white carb stringers.																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Porphyry Hill HOLE NO.: PH18-001

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)
46.55	88.30	**ULTRAMAFICS** Similar to uphole, extremely blocky and easily fractured unit as a result of immense anastomosing serp/carb slips forming a pseudo breccia; serp is green/blueish in colour often containing minor white carb material; the 'clasts' are strongly magnetic amongst the non-magnetic serp/carb seams; unit becomes slightly more competent moving downhole. From 85.90 to 88.30m is an alteration halo as a result of the adjacent porphyry unit; the alteration zone is more competent; with a biotite/hbl alteration and weak leopard texture; a bladed shimmering mineral present (actinolite?); pyrite on fractures 68.50: 3cm white calcite veinlet @ 70 deg tca 86.10 to 86.20m: white calcite vein with inverted upper and lower contacts @ 75 and 70 deg tca respectively	um					001	86.30	87.30	1.00	tr	-			0.002						
			um					002	87.30	88.30	1.00	tr	-			0.002						
88.30	99.65	**PORPHYRY** Fine to medium-grained and massive, this dike consists of approximately 40% white plag phenos from 1-3mm; 30% semi-transparent quartz, 29% green chlorite/amphiboles plus 0.5% disseminated pyrite. The unit has a grey/green/pinkish hue with a slight heterogeneity; weak quartz veinlets present from 88.00 to 88.30m with associated albitization and decrease in chlorite/amphiboles. Well fractured unit with half healed by black chlorite. Aside from the minor quartz veinlets noted from 88 to 88.3m there is no other quartz veining. A section from 94.80 to 96.50m has fine biotite at 10-12% resulting in a slightly darker brownish colouration; increase in pyrite mineralization also to approx 1.5% as fine disseminations Sharp upper and lower contacts @ 30 and 42 deg tca respectively	por		2			003	88.30	89.00	0.70	0.5	-			0.053						
			por		3			004	89.00	90.00	1.00	tr	-			0.002						
			por		0			005	90.00	91.00	1.00	tr	-			0.011						
			por		0			006	91.00	92.00	1.00	tr	-			0.016						
			por		0			007	92.00	93.00	1.00	0.5	-			5.000						
			por		0			008	93.00	94.00	1.00	0.5	-			1.410						
			por		0			009	94.00	95.00	1.00	0.75	-			0.221						
			por		0			010	95.00	96.00	1.00	1.5	-			0.131						
			por		0			011	96.00	96.80	0.80	1	-			5.390						
			Blank					012	96.80	96.80	0.00					0.002						
			por		0			013	96.80	97.60	0.80	tr	-			0.197						
			um		0			014	97.60	98.70	1.10	-	-			0.058						
			por		0			015	98.70	99.65	0.95	tr	-			0.017						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Porphyry Hill HOLE NO.: PH18-001

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)
		97.60 to 98.70m is a cooked up interval of ultramafics as described above with biotite and leopard texture																			
99.65	198.00	**ULTRAMAFICS** Upper 1.3m altered as a halo adjacent to porphyry unit. Below 101.30m to 111.00m is a fault zone with immense fracturing and slips and local patches of gouge. Slips appear to be at relatively shallow angles tca generally around 40 deg. Strong presence of green/blue serpentine. Below 111.00 to 139.00m the unit is moderately competent with more localized fracture zone and potential faults with far less anastomosing serp seams. Seams range from 2cm to 50cm and far too many to note. More localized carb stringers; dark textureless with local spinifex from 122.30 to 123.60m. Strong pervasive magnetism. Drillers note that core breaks easy when emptying the tube. 125.20 to 126.20m: fault zone? 127.40 to 131.00m contains multiple fracture/slip/fault zones Below 139m the unit becomes extremely fractured with an abundance of anastomosing serp slips causing weakness. Numerous serp gouge seams as the rocks show strong evidence of squeezing. This interval of unit contains approx only 25% core exceeding 10cm in length.	um					016	99.65	100.65	1.00	-	-			0.002					

Printed: April-27-18

APPENDIX IV

ASSAY CERTIFICATES

AGAT Laboratories

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
http://www.agatlabs.com

CLIENT NAME: METALS CREEK RESOURCES
945 COBALT CRES
THUNDER BAY , ON P7B5Z4
(807) 345-4990

ATTENTION TO: MICHAEL MACISAAC

PROJECT: TOG18

AGAT WORK ORDER: 18T316586

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Apr 17, 2018

PAGES (INCLUDING COVER): 12

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 18T316586

PROJECT: TOG18

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Mar 01, 2018 | DATE RECEIVED: Mar 02, 2018 | DATE REPORTED: Apr 17, 2018 | SAMPLE TYPE: Drill Core

Analyte:	Au	Au-Grav
Unit:	ppm	g/t
Sample ID (AGAT ID) RDL:	0.001	0.5
TOG18-62 1 (9098348)	0.010	
TOG18-62 2 (9098349)	0.003	
TOG18-62 3 (9098350)	0.004	
TOG18-62 4 (9098351)	0.002	
TOG18-62 5 (9098352)	0.007	
TOG18-62 6 (9098353)	0.217	
TOG18-62 7 (9098354)	0.354	
TOG18-62 8 (9098355)	0.765	
TOG18-62 9 (9098356)	0.691	
TOG18-62 10 (9098357)	1.13	1.1
TOG18-62 11 (9098358)	0.124	
TOG18-62 12 (9098359)	0.004	
TOG18-62 13 (9098360)	0.328	
TOG18-62 14 (9098361)	0.516	
TOG18-62 15 (9098362)	1.44	1.6
TOG18-62 16 (9098363)	0.028	
TOG18-62 17 (9098364)	0.029	
TOG18-62 18 (9098365)	0.013	
TOG18-62 19 (9098366)	0.134	
TOG18-62 20 (9098367)	0.214	
TOG18-62 21 (9098368)	1.28	1.84
TOG18-62 22 (9098369)	1.84	2.1
TOG18-62 23 (9098370)	0.991	
TOG18-62 24 (9098371)	2.80	
TOG18-62 25 (9098372)	1.51	1.89
TOG18-62 26 (9098373)	1.03	1.1
TOG18-62 27 (9098374)	0.616	
TOG18-62 28 (9098375)	0.394	
TOG18-62 29 (9098376)	0.212	
TOG18-62 30 (9098377)	0.159	
TOG18-62 31 (9098378)	0.172	
TOG18-62 32 (9098379)	0.071	

Certified By: Sherin Moussa

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AGAT WORK ORDER: 18T316586

PROJECT: TOG18

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Mar 01, 2018 | DATE RECEIVED: Mar 02, 2018 | DATE REPORTED: Apr 17, 2018 | SAMPLE TYPE: Drill Core

Analyte:	Au	Au-Grav
Unit:	ppm	g/t
Sample ID (AGAT ID) RDL:	0.001	0.5
TOG18-62 33 (9098380)	0.062	
TOG18-62 34 (9098381)	0.024	
TOG18-62 35 (9098382)	0.081	
TOG18-62 36 (9098383)	0.054	
TOG18-62 37 (9098384)	0.123	
TOG18-62 38 (9098385)	0.171	
TOG18-62 39 (9098386)	0.15	
TOG18-62 40 (9098387)	3.73	4.27
TOG18-62 41 (9098388)	0.456	
TOG18-62 42 (9098389)	0.057	
TOG18-62 43 (9098390)	0.684	
TOG18-62 44 (9098391)	0.120	
TOG18-62 45 (9098392)	0.105	
TOG18-62 46 (9098393)	1.18	1.1
TOG18-62 47 (9098394)	0.774	
TOG18-62 48 (9098395)	2.10	
TOG18-62 49 (9098396)	0.859	
TOG18-62 50 (9098397)	2.03	1.65
TOG18-62 51 (9098398)	0.173	
TOG18-62 52 (9098399)	0.136	
TOG18-62 53 (9098400)	0.139	
TOG18-62 54 (9098401)	0.197	
TOG18-62 55 (9098402)	0.099	
TOG18-62 56 (9098403)	0.009	
TOG18-62 57 (9098404)	0.192	
TOG18-62 58 (9098405)	0.266	
TOG18-62 59 (9098406)	0.272	
TOG18-62 60 (9098407)	0.153	
TOG18-62 61 (9098408)	0.269	
TOG18-62 62 (9098409)	0.124	
TOG18-62 63 (9098410)	0.013	
TOG18-62 64 (9098411)	0.032	

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 18T316586
PROJECT: TOG18

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Mar 01, 2018 | DATE RECEIVED: Mar 02, 2018 | DATE REPORTED: Apr 17, 2018 | SAMPLE TYPE: Drill Core

Analyte:	Au	Au-Grav
Unit:	ppm	g/t
Sample ID (AGAT ID) RDL:	0.001	0.5
TOG18-62 65 (9098412)	0.080	
TOG18-62 66 (9098413)	0.029	
TOG18-62 67 (9098414)	0.005	
TOG18-62 68 (9098415)	0.007	
TOG18-62 69 (9098416)	0.002	
TOG18-62 70 (9098417)	0.011	
TOG18-62 71 (9098418)	0.013	
TOG18-62 72 (9098419)	0.035	
TOG18-62 73 (9098420)	0.039	
TOG18-62 74 (9098421)	0.024	
TOG18-62 75 (9098422)	0.008	

Comments: RDL - Reported Detection Limit

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 18T316586

PROJECT: TOG18

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

Sieving - % Passing (Crushing)

DATE SAMPLED: Mar 01, 2018 | DATE RECEIVED: Mar 02, 2018 | DATE REPORTED: Apr 17, 2018 | SAMPLE TYPE: Drill Core

Analyte:	Over 2mm	Under 2mm	Total	Pass %
Unit:	g	g	g	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01
TOG18-62 2 (9098349)	113.4	506.6	620	81.7
TOG18-62 31 (9098378)	128.3	454.9	583.2	78
TOG18-62 60 (9098407)	141.5	424.5	566	75

Comments: RDL - Reported Detection Limit

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 18T316586

PROJECT: TOG18

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Mar 01, 2018 | DATE RECEIVED: Mar 02, 2018 | DATE REPORTED: Apr 17, 2018 | SAMPLE TYPE: Drill Core

Analyte:	Over 75um	Under 75um	Total	Pass %
Unit:	g	g	g	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01
TOG18-62 1 (9098348)	5	95	100	95
TOG18-62 31 (9098378)	11.5	88.5	100	88.5
TOG18-62 38 (9098385)	6.7	93.3	100	93.3
TOG18-62 64 (9098411)	14.8	85.2	100	85.2

Comments: RDL - Reported Detection Limit

Certified By: Sherin Moussa

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Quality Assurance - Replicate

AGAT WORK ORDER: 18T316586

PROJECT: TOG18

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	9098348	0.010	< 0.001		9098358	0.124	0.108	13.8%	9098383	0.054	0.071	27.2%	9098398	0.173	0.126	31.4%
	REPLICATE #5															
Parameter	Sample ID	Original	Replicate	RPD												
Au	9098408	0.269	0.253	6.1%												
Au-Grav					9098397	1.65	1.42	15.0%								

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 18T316586

PROJECT: TOG18

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

	CRM #1 (ref.GS6E)				CRM #2 (ref.GSP7L)				CRM #3				CRM #4			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	6.06	6.01	99%	90% - 110%	0.709	0.668	94%	90% - 110%	0.709	0.71	100%	90% - 110%	0.709	0.69	97%	90% - 110%
	CRM #5															
Parameter	Expect	Actual	Recovery	Limits												
Au-Grav	14.9	14.9	100%	95% - 105%												

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: 18T321741

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Apr 24, 2018

PAGES (INCLUDING COVER): 10

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 18T321741

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Mar 19, 2018 | DATE RECEIVED: Mar 16, 2018 | DATE REPORTED: Apr 24, 2018 | SAMPLE TYPE: Drill Core

Analyte:	Au	Au-Grav
Unit:	ppm	g/t
Sample ID (AGAT ID) RDL:	0.001	0.5
TOG18-63-1 (9138763)	0.009	
TOG18-63-2 (9138764)	0.003	
TOG18-63-3 (9138765)	<0.001	
TOG18-63-4 (9138766)	0.005	
TOG18-63-5 (9138767)	0.014	
TOG18-63-6 (9138768)	0.022	
TOG18-63-7 (9138769)	0.199	
TOG18-63-8 (9138770)	0.250	
TOG18-63-9 (9138771)	0.004	
TOG18-63-10 (9138772)	0.012	
TOG18-63-11 (9138773)	0.091	
TOG18-63-12 (9138774)	0.027	
TOG18-63-13 (9138775)	0.071	
TOG18-63-14 (9138776)	0.386	
TOG18-63-15 (9138777)	0.280	
TOG18-63-16 (9138778)	<0.001	
TOG18-63-17 (9138779)	2.52	2.20
TOG18-63-18 (9138780)	0.514	
TOG18-63-19 (9138781)	0.214	
TOG18-63-20 (9138782)	0.444	
TOG18-63-21 (9138783)	2.67	3.11
TOG18-63-22 (9138784)	0.223	
TOG18-63-23 (9138785)	0.755	
TOG18-63-24 (9138786)	1.23	1.20
TOG18-63-25 (9138787)	2.18	1.60
TOG18-63-26 (9138788)	0.473	
TOG18-63-27 (9138789)	3.03	
TOG18-63-28 (9138790)	0.043	
TOG18-63-29 (9138791)	0.019	
TOG18-63-30 (9138792)	0.011	
TOG18-63-31 (9138793)	0.002	
TOG18-63-32 (9138794)	<0.001	

Certified By: Sherin Moussa

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AGAT WORK ORDER: 18T321741

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Mar 19, 2018 | DATE RECEIVED: Mar 16, 2018 | DATE REPORTED: Apr 24, 2018 | SAMPLE TYPE: Drill Core

Analyte:	Au	Au-Grav
Unit:	ppm	g/t
Sample ID (AGAT ID) RDL:	0.001	0.5
TOG18-63-33 (9138795)	0.011	
TOG18-63-34 (9138796)	0.004	
TOG18-63-35 (9138797)	0.004	
TOG18-63-36 (9138798)	0.011	
TOG18-63-37 (9138799)	0.001	
TOG18-63-38 (9138800)	0.010	
TOG18-63-39 (9138801)	0.018	
TOG18-63-40 (9138802)	0.014	
TOG18-63-41 (9138803)	0.104	
TOG18-63-42 (9138804)	0.092	

Comments: RDL - Reported Detection Limit

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AGAT WORK ORDER: 18T321741

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

Sieving - % Passing (Crushing)

DATE SAMPLED: Mar 19, 2018 | DATE RECEIVED: Mar 16, 2018 | DATE REPORTED: Apr 24, 2018 | SAMPLE TYPE: Drill Core

Analyte:	Over 2mm	Under 2mm	Total	Pass %
Unit:	g	g	g	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01
TOG18-63-1 (9138763)	52	421	473	89.01
TOG18-63-28 (9138790)	75	475	550	86.36

Comments: RDL - Reported Detection Limit

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AGAT WORK ORDER: 18T321741

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Mar 19, 2018 | DATE RECEIVED: Mar 16, 2018 | DATE REPORTED: Apr 24, 2018 | SAMPLE TYPE: Drill Core

Analyte:	Over 75um	Under 75um	Total	Pass %
Unit:	g	g	g	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01
TOG18-63-1 (9138763)	4.4	95.6	100	95.6
TOG18-63-31 (9138793)	3.1	96.9	100	96.9

Comments: RDL - Reported Detection Limit

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AGAT WORK ORDER: 18T321741

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

	REPLICATE #1				REPLICATE #2				REPLICATE #3							
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Au	9138763	0.009	0.005		9138774	0.027	0.037	31.2%	9138798	0.011	0.026					
Au-Grav													9138787	1.60	1.55	3.2%

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AGAT WORK ORDER: 18T321741

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

	CRM #1 (ref.OxC102)				CRM #2 (ref.OxA89)				CRM #3				CRM #4			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	0.207	0.206	99%	90% - 110%	0.0836	0.0847	101%	90% - 110%	0.207	0.192	92%	90% - 110%				
Au-Grav													14.9	14.87	99%	95% - 105%

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ATTENTION TO: MICHAEL MACISAAC

PROJECT:

AGAT WORK ORDER: 18T321758

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: May 01, 2018

PAGES (INCLUDING COVER): 10

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*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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AGAT WORK ORDER: 18T321758

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Mar 19, 2018 | DATE RECEIVED: Mar 16, 2018 | DATE REPORTED: May 01, 2018 | SAMPLE TYPE: Drill Core

Analyte:	Au	Au-Grav	Au-ICP-check
Unit:	ppm	g/t	ppm
Sample ID (AGAT ID) RDL:	0.001	0.5	0.001
OG-18-42-1 (9138834)	0.087		
OG-18-42-2 (9138835)	0.096		
OG-18-42-3 (9138836)	0.064		
OG-18-42-4 (9138837)	0.199		
OG-18-42-5 (9138838)	0.160		
OG-18-42-6 (9138839)	0.009		
OG-18-42-7 (9138840)	0.017		
OG-18-42-8 (9138841)	1.49		0.97
OG-18-42-9 (9138842)	0.005		
OG-18-42-10 (9138843)	0.004		
OG-18-42-11 (9138844)	0.010		
OG-18-42-12 (9138845)	0.300		
OG-18-42-13 (9138846)	<0.001		
OG-18-42-14 (9138847)	0.379		
OG-18-42-15 (9138848)	2.38	2.29	
OG-18-42-16 (9138849)	0.040		
OG-18-42-17 (9138850)	0.045		
OG-18-42-18 (9138851)	0.004		
OG-18-42-19 (9138852)	0.684		
OG-18-42-20 (9138853)	2.67	2.05	
OG-18-42-21 (9138854)	0.101		
OG-18-42-22 (9138855)	0.015		
OG-18-42-23 (9138856)	0.177		
OG-18-42-24 (9138857)	0.002		
OG-18-42-25 (9138858)	0.015		
OG-18-42-26 (9138859)	2.98		
OG-18-42-27 (9138860)	0.050		
OG-18-42-28 (9138861)	5.54	2.38	3.54
OG-18-42-29 (9138862)	0.044		
OG-18-42-30 (9138863)	0.007		
OG-18-42-31 (9138864)	0.004		
OG-18-42-32 (9138865)	0.006		

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AGAT WORK ORDER: 18T321758
PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Mar 19, 2018 | DATE RECEIVED: Mar 16, 2018 | DATE REPORTED: May 01, 2018 | SAMPLE TYPE: Drill Core

Analyte:	Au	Au-Grav	Au-ICP-check
Unit:	ppm	g/t	ppm
Sample ID (AGAT ID) RDL:	0.001	0.5	0.001
OG-18-42-33 (9138866)	0.008		
OG-18-42-34 (9138867)	0.005		
OG-18-42-35 (9138868)	0.008		
OG-18-42-36 (9138869)	0.025		
OG-18-42-37 (9138870)	<0.001		
OG-18-42-38 (9138871)	2.06	2.0	
OG-18-42-39 (9138872)	0.040		
OG-18-42-40 (9138873)	0.98		
OG-18-42-41 (9138874)	0.092		
OG-18-42-42 (9138875)	0.96		
OG-18-42-43 (9138876)	0.019		
OG-18-42-44 (9138877)	0.010		
OG-18-42-45 (9138878)	0.057		
OG-18-42-46 (9138879)	2.07	1.55	
OG-18-42-47 (9138880)	0.98		
OG-18-42-48 (9138881)	0.335		
OG-18-42-49 (9138882)	1.45		
OG-18-42-50 (9138883)	0.393		
OG-18-42-51 (9138884)	0.039		
OG-18-42-52 (9138885)	0.068		
OG-18-42-53 (9138886)	0.101		

Comments: RDL - Reported Detection Limit

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AGAT WORK ORDER: 18T321758

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

Sieving - % Passing (Crushing)

DATE SAMPLED: Mar 19, 2018 | DATE RECEIVED: Mar 16, 2018 | DATE REPORTED: May 01, 2018 | SAMPLE TYPE: Drill Core

Analyte:	Over 2mm	Under 2mm	Total	Pass %
Unit:	g	g	g	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01
OG-18-42-1 (9138834)	54.1	492.8	546.9	90.11
OG-18-42-23 (9138856)	81.7	595.2	676.9	87.93

Comments: RDL - Reported Detection Limit

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AGAT WORK ORDER: 18T321758

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Mar 19, 2018 | DATE RECEIVED: Mar 16, 2018 | DATE REPORTED: May 01, 2018 | SAMPLE TYPE: Drill Core

Analyte:	Over 75um	Under 75um	Total	Pass %
Unit:	g	g	g	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01
OG-18-42-1 (9138834)	8	92	100	92
OG-18-42-21 (9138854)	4.1	95.9	100	95.9
OG-18-42-41 (9138874)	12	88	100	88

Comments: RDL - Reported Detection Limit

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AGAT WORK ORDER: 18T321758

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	9138834	0.0868	0.0812	6.7%	9138845	0.300	0.321	6.8%	9138858	0.015	0.007	72.7%	9138869	0.0254	0.0287	12.2%
	REPLICATE #5															
Parameter	Sample ID	Original	Replicate	RPD												
Au	9138885	0.068	0.086	23.4%												
Au-Grav					9138853	2.05	1.83	11.3%								

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AGAT WORK ORDER: 18T321758

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

	CRM #1 (ref.OxC102)				CRM #2 (ref.OxA89)				CRM #3				CRM #4			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	0.207	0.192	93%	90% - 110%	0.0836	0.0749	90%	90% - 110%	0.207	0.192	92%	90% - 110%	0.207	0.189	91%	90% - 110%
	CRM #5															
Parameter	Expect	Actual	Recovery	Limits												
Au-Grav	14.90	14.65	98%	95% - 105%												

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CLIENT NAME: METALS CREEK RESOURCES
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ATTENTION TO: MICHAEL MACISAAC

PROJECT: AGAT QUOTE 12-719

AGAT WORK ORDER: 18T321762

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Apr 24, 2018

PAGES (INCLUDING COVER): 10

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*NOTES

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AGAT WORK ORDER: 18T321762

PROJECT: AGAT QUOTE 12-719

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Mar 19, 2018 | DATE RECEIVED: Mar 16, 2018 | DATE REPORTED: Apr 24, 2018 | SAMPLE TYPE: Drill Core

Analyte:	Au	Au-Grav
Unit:	ppm	g/t
Sample ID (AGAT ID) RDL:	0.001	0.5
OG18-43-1 (9138911)	0.032	
OG18-43-2 (9138912)	0.005	
OG18-43-3 (9138913)	0.003	
OG18-43-4 (9138914)	2.64	2.37
OG18-43-5 (9138915)	0.208	
OG18-43-6 (9138916)	0.004	
OG18-43-7 (9138917)	0.003	
OG18-43-8 (9138918)	0.006	
OG18-43-9 (9138919)	0.001	
OG18-43-10 (9138920)	0.004	
OG18-43-11 (9138921)	0.027	
OG18-43-12 (9138922)	0.737	
OG18-43-13 (9138923)	0.008	
OG18-43-14 (9138924)	0.021	
OG18-43-15 (9138925)	6.81	7.12
OG18-43-16 (9138926)	0.660	
OG18-43-17 (9138927)	0.017	
OG18-43-18 (9138928)	0.004	
OG18-43-19 (9138929)	0.008	
OG18-43-20 (9138930)	0.020	
OG18-43-21 (9138931)	0.012	
OG18-43-22 (9138932)	2.72	
OG18-43-23 (9138933)	0.016	
OG18-43-24 (9138934)	0.888	
OG18-43-25 (9138935)	2.52	2.50
OG18-43-26 (9138936)	4.02	3.77
OG18-43-27 (9138937)	0.017	
OG18-43-28 (9138938)	0.007	
OG18-43-29 (9138939)	1.91	1.25
OG18-43-30 (9138940)	0.017	
OG18-43-31 (9138941)	0.007	
OG18-43-32 (9138942)	0.008	

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AGAT WORK ORDER: 18T321762

PROJECT: AGAT QUOTE 12-719

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Mar 19, 2018 | DATE RECEIVED: Mar 16, 2018 | DATE REPORTED: Apr 24, 2018 | SAMPLE TYPE: Drill Core

Analyte:	Au	Au-Grav
Unit:	ppm	g/t
Sample ID (AGAT ID) RDL:	0.001	0.5
OG18-43-33 (9138943)	0.062	
OG18-43-34 (9138944)	1.55	1.08
OG18-43-35 (9138945)	3.39	2.90
OG18-43-36 (9138946)	0.002	
OG18-43-37 (9138947)	2.87	2.55
OG18-43-38 (9138948)	3.30	3.24
OG18-43-39 (9138949)	0.085	
OG18-43-40 (9138950)	0.006	
OG18-43-41 (9138951)	0.094	
OG18-43-42 (9138952)	0.118	
OG18-43-43 (9138953)	0.98	
OG18-43-44 (9138954)	0.130	
OG18-43-45 (9138955)	0.097	
OG18-43-46 (9138956)	0.005	
OG18-43-47 (9138957)	0.031	
OG18-43-48 (9138958)	0.005	
OG18-43-49 (9138959)	0.104	
OG18-43-50 (9138960)	0.255	
OG18-43-51 (9138961)	3.24	3.08
OG18-43-52 (9138962)	1.32	
OG18-43-53 (9138963)	2.35	2.23
OG18-43-54 (9138964)	0.447	
OG18-43-55 (9138965)	0.029	

Comments: RDL - Reported Detection Limit

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AGAT WORK ORDER: 18T321762

PROJECT: AGAT QUOTE 12-719

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

Sieving - % Passing (Crushing)

DATE SAMPLED: Mar 19, 2018 | DATE RECEIVED: Mar 16, 2018 | DATE REPORTED: Apr 24, 2018 | SAMPLE TYPE: Drill Core

Analyte:	Over 2mm	Under 2mm	Total	Pass %
Unit:	g	g	g	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01
OG18-43-1 (9138911)	102	428	530	80.75
OG18-43-19 (9138929)	68	380	448	84.82
OG18-43-23 (9138933)	68	442	510	86.67
OG18-43-43 (9138953)	39	521	560	93.04

Comments: RDL - Reported Detection Limit

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AGAT WORK ORDER: 18T321762

PROJECT: AGAT QUOTE 12-719

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Mar 19, 2018 | DATE RECEIVED: Mar 16, 2018 | DATE REPORTED: Apr 24, 2018 | SAMPLE TYPE: Drill Core

Analyte:	Over 75um	Under 75um	Total	Pass %
Unit:	g	g	g	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01
OG18-43-1 (9138911)	5.6	94.4	100	94.4
OG18-43-31 (9138941)	7.6	92.4	100	92.4

Comments: RDL - Reported Detection Limit

Certified By: Sherin Moussa

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AGAT WORK ORDER: 18T321762

PROJECT: AGAT QUOTE 12-719

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

	REPLICATE #1				REPLICATE #2											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Au	9138911	0.034	0.015	77.6%	9138922	0.737	0.659	11.2%								
Au-Grav									9138925	7.12	6.90	3.1%				

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AGAT WORK ORDER: 18T321762

PROJECT: AGAT QUOTE 12-719

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

	CRM #1 (ref.OxC102)				CRM #2 (ref.OxA89)				CRM #3							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Au	0.207	0.195	94%	90% - 110%	0.0836	0.079	94%	90% - 110%								
Au-Grav									14.9	14.89	99%	95% - 105%				

Quality Analysis ... *Innovative Technologies*

Date Submitted: 28-Mar-18
Invoice No.: A18-03888
Invoice Date: 11-Apr-18
Your Reference:

Metals Creek Resources
93 Edinburgh Ave.
Gander NL A1V 19C
Canada

ATTN: Sandy Stares (res)

CERTIFICATE OF ANALYSIS

332 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT **A18-03888**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
N218-01-001	< 5
N218-01-002	< 5
N218-01-003	16
N218-01-004	24
N218-01-005	14
N218-01-006	12
N218-01-007	< 5
N218-01-008	< 5
N218-01-009	< 5
N218-01-010	< 5
N218-01-011	39
N218-01-012	< 5
N218-01-013	135
N218-01-014	24
N218-01-015	208
N218-01-016	1660
N218-01-017	947
N218-01-018	97
N218-01-019	18
N218-01-020	22
N218-01-021	216
N218-01-022	8
N218-01-023	< 5
N218-01-024	< 5
N218-01-025	39
N218-01-026	26
N218-01-027	283
N218-01-028	3080
N218-01-029	22
N218-01-030	143
N218-01-031	32
N218-01-032	14
N218-01-033	< 5
N218-01-034	< 5
N218-01-035	< 5
N218-01-036	7
N218-01-037	< 5
N218-01-038	< 5
N218-01-039	17
N218-01-040	< 5
N218-01-041	< 5
N218-01-042	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
N218-01-043	< 5
N218-01-044	< 5
N218-01-045	< 5
N218-01-046	22
N218-01-047	< 5
N218-01-048	7
N218-01-049	32
N218-01-050	138
N218-01-051	2650
N218-01-052	< 5
N218-01-053	121
N218-01-054	110
N218-01-055	7
N218-01-056	175
N218-01-057	< 5
N218-01-058	513
N218-01-059	22
N218-01-060	91
N218-01-061	6
N218-01-062	23
N218-01-063	< 5
N218-01-064	8
N218-01-065	28
N218-01-066	93
N218-01-067	833
N218-01-068	59
N218-01-069	< 5
N218-01-070	77
N218-01-071	< 5
N218-01-072	193
N218-01-073	< 5
N218-01-074	9
N218-01-075	5
N218-01-076	38
N218-01-077	149
N218-01-078	< 5
N218-01-079	< 5
N218-01-080	< 5
N218-01-081	< 5
N218-01-082	9
N218-01-083	291
N218-01-084	38

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
N218-01-085	1290
N218-01-086	962
N218-01-087	2640
N218-01-088	366
N218-01-089	672
N218-01-090	< 5
N218-01-091	72
N218-01-092	< 5
N218-01-093	10
N218-01-094	< 5
N218-01-095	< 5
N218-01-096	< 5
N218-01-097	< 5
N218-01-098	< 5
N218-01-099	< 5
N218-01-100	11
N218-01-101	< 5
N218-01-102	30
N218-01-103	< 5
N218-01-104	307
N218-02-001	16
N218-02-002	34
N218-02-003	185
N218-02-004	< 5
N218-02-005	< 5
N218-02-006	254
N218-02-007	592
N218-02-008	191
N218-02-009	9
N218-02-010	117
N218-02-011	22
N218-02-012	30
N218-02-013	450
N218-02-014	< 5
N218-02-015	17
N218-02-016	40
N218-02-017	< 5
N218-02-018	73
N218-02-019	31
N218-02-020	< 5
N218-02-021	182
N218-02-022	328

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
N218-02-023	153
N218-02-024	7
N218-02-025	< 5
N218-02-026	2760
N218-02-027	32
N218-02-028	66
N218-02-029	123
N218-02-030	1260
N218-02-031	1130
N218-02-032	420
N218-02-033	19
N218-02-034	< 5
N218-02-035	15
N218-02-036	< 5
N218-02-037	< 5
N218-02-038	10
N218-02-039	< 5
N218-02-040	5
N218-02-041	10
N218-02-042	< 5
N218-02-043	6
N218-02-044	< 5
N218-02-045	66
N218-02-046	< 5
N218-02-047	54
OG18-045-001	3350
OG18-045-002	537
OG18-045-003	584
OG18-45A-001	14
OG18-45A-002	< 5
OG18-45A-003	8
OG18-45A-004	< 5
OG18-45A-005	< 5
OG18-45A-006	40
OG18-45A-007	1710
OG18-45A-008	49
OG18-45A-009	35
OG18-45A-010	2030
OG18-45A-011	47
OG18-45A-012	23
OG18-45A-013	950
OG18-45A-014	24

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OG18-44-01	38
OG18-44-02	< 5
OG18-44-03	11
OG18-44-04	30
OG18-44-05	22
OG18-44-06	23
OG18-44-07	6
OG18-44-08	< 5
OG18-44-09	< 5
OG18-44-010	43
OG18-44-011	< 5
OG18-44-012	34
OG18-44-013	71
OG18-44-014	22
OG18-44-015	45
OG18-44-016	48
OG18-44-017	< 5
OG18-44-018	< 5
OG18-44-019	< 5
OG18-44-020	80
OG18-44-021	82
OG18-44-022	10
OG18-44-023	30
OG18-44-024	11
OG18-44-025	111
OG18-44-026	3160
OG18-44-027	68
OG18-44-028	19
OG18-44-029	11
OG18-44-030	7
OG18-44-031	81
OG18-44-032	< 5
OG18-44-033	< 5
OG18-44-034	< 5
OG18-44-035	< 5
OG18-44-036	< 5
OG18-44-037	50
OG18-44-038	9
OG18-44-039	27
OG18-44-040	9
OG18-44-041	7
OG18-44-042	20

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OG18-44-043	21
OG18-44-044	79
OG18-44-045	10
OG18-44-046	< 5
OG18-44-047	10
OG18-44-048	5
OG18-44-049	34
OG18-44-050	5
OG18-44-051	7
OG18-44-052	19
OG18-44-053	26
OG18-44-054	< 5
OG18-44-055	< 5
OG18-44-056	< 5
OG18-44-057	< 5
OG18-44-058	< 5
OG18-44-059	1330
OG18-44-060	15
OG18-44-061	< 5
OG18-44-062	5
OG18-44-063	5
OG18-44-064	< 5
OG18-44-065	7
OG18-44-066	14
OG18-44-067	< 5
OG18-44-068	11
OG18-44-069	< 5
OG18-44-070	< 5
OG18-44-071	< 5
OG18-44-072	28
OG18-44-073	< 5
OG18-44-074	< 5
OG18-44-075	< 5
OG18-44-076	< 5
OG18-44-077	< 5
OG18-44-078	< 5
OG18-44-079	< 5
OG18-44-080	< 5
OG18-44-081	6
OG18-44-082	12
OG18-44-083	< 5
OG18-44-084	6

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OG18-44-085	< 5
OG18-44-086	< 5
OG18-44-087	< 5
OG18-44-088	< 5
OG18-44-089	3090
OG18-44-090	< 5
OG18-44-091	< 5
OG18-44-092	< 5
OG18-44-093	< 5
OG18-44-094	< 5
OG18-44-095	8
OG18-44-096	< 5
OG18-44-097	< 5
OG18-44-098	< 5
OG18-44-099	< 5
OG18-44-100	< 5
OG18-44-101	< 5
OG18-44-102	< 5
OG18-44-103	23
OG18-44-104	< 5
OG18-44-105	< 5
OG18-44-106	< 5
OG18-44-107	< 5
OG18-44-108	< 5
OG18-44-109	< 5
OG18-44-110	8
OG18-44-111	48
OG18-44-112	18
OG18-44-113	< 5
OG18-44-114	27
OG18-44-115	14
OG18-44-116	23
OG18-44-117	20
OG18-44-118	< 5
OG18-44-119	1500
OG18-44-120	7
OG18-44-121	22
OG18-44-122	32
OG18-44-123	26
OG18-44-124	22
OG18-44-125	< 5
OG18-44-126	18

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OG18-44-127	133
OG18-44-128	7
OG18-44-129	63
OG18-44-130	< 5
OG18-44-131	145
OG18-44-132	167
OG18-44-133	83
OG18-44-134	2290
OG18-44-135	2630
OG18-44-136	43
OG18-44-137	< 5
OG18-44-138	61
OG18-44-139	691
OG18-44-140	150
OG18-44-141	5
OG18-44-142	62
OG18-44-143	518
OG18-44-144	3010
OG18-44-145	17
OG18-44-146	5
OG18-44-147	155
OG18-44-148	80
PH18-01-001	< 5
PH18-01-002	< 5
PH18-01-003	53
PH18-01-004	< 5
PH18-01-005	11
PH18-01-006	16
PH18-01-007	1170
PH18-01-008	1350
PH18-01-009	221
PH18-01-010	131
PH18-01-011	4940
PH18-01-012	< 5
PH18-01-013	197
PH18-01-014	58
PH18-01-015	17
PH18-01-016	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 254 Meas	2410
OREAS 254 Cert	2550
OREAS 254 Meas	2570
OREAS 254 Cert	2550
OREAS 254 Meas	2510
OREAS 254 Cert	2550
OREAS 254 Meas	2530
OREAS 254 Cert	2550
OREAS 254 Meas	2510
OREAS 254 Cert	2550
OREAS 254 Meas	2550
OREAS 254 Cert	2550
OREAS 254 Meas	2610
OREAS 254 Cert	2550
OREAS 254 Meas	2450
OREAS 254 Cert	2550
OREAS 254 Meas	2480
OREAS 254 Cert	2550
OREAS 254 Meas	2490
OREAS 254 Cert	2550
OREAS 254 Meas	2540
OREAS 254 Cert	2550
OREAS 218 Meas	544
OREAS 218 Cert	531
OREAS 218 Meas	519
OREAS 218 Cert	531
OREAS 218 Meas	500
OREAS 218 Cert	531
OREAS 218 Meas	538
OREAS 218 Cert	531
OREAS 218 Meas	530
OREAS 218 Cert	531
OREAS 218 Meas	530
OREAS 218 Cert	531
OREAS 218 Meas	530
OREAS 218 Cert	531
OREAS 218 Meas	532
OREAS 218 Cert	531
OREAS 218 Meas	538
OREAS 218 Cert	531
OREAS 218 Meas	536
OREAS 218 Cert	531

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 218 Meas	518
OREAS 218 Cert	531
N218-01-013 Orig	143
N218-01-013 Dup	126
N218-01-022 Orig	8
N218-01-022 Dup	7
N218-01-031 Orig	33
N218-01-031 Dup	31
N218-01-048 Orig	6
N218-01-048 Dup	8
N218-01-050 Orig	138
N218-01-050 Split PREP DUP	118
N218-01-058 Orig	501
N218-01-058 Dup	524
N218-01-066 Orig	95
N218-01-066 Dup	90
N218-01-079 Orig	< 5
N218-01-079 Dup	< 5
N218-01-089 Orig	717
N218-01-089 Dup	626
N218-01-099 Orig	< 5
N218-01-099 Dup	< 5
N218-01-100 Orig	11
N218-01-100 Split PREP DUP	9
N218-02-012 Orig	30
N218-02-023 Orig	158
N218-02-023 Dup	148
N218-02-033 Orig	19
N218-02-046 Orig	< 5
N218-02-046 Split PREP DUP	5
N218-02-047 Orig	54
N218-02-047 Dup	54
OG18-45A-008 Orig	38
OG18-45A-008 Dup	59
OG18-44-04 Orig	27
OG18-44-04 Dup	33
OG18-44-014 Orig	22
OG18-44-014 Dup	22

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OG18-44-024 Orig	13
OG18-44-024 Dup	9
OG18-44-032 Orig	< 5
OG18-44-032 Split PREP DUP	< 5
OG18-44-034 Orig	< 5
OG18-44-034 Dup	< 5
OG18-44-048 Orig	5
OG18-44-048 Dup	5
OG18-44-058 Orig	< 5
OG18-44-058 Dup	< 5
OG18-44-068 Orig	9
OG18-44-068 Dup	13
OG18-44-082 Orig	12
OG18-44-082 Split PREP DUP	11
OG18-44-083 Orig	6
OG18-44-083 Dup	< 5
OG18-44-093 Orig	< 5
OG18-44-093 Dup	< 5
OG18-44-103 Orig	21
OG18-44-103 Dup	24
OG18-44-120 Orig	6
OG18-44-120 Dup	7
OG18-44-129 Orig	61
OG18-44-129 Dup	64
OG18-44-132 Orig	167
OG18-44-132 Split PREP DUP	171
OG18-44-138 Orig	64
OG18-44-138 Dup	57
Method Blank	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
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Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5

Quality Analysis ... *Innovative Technologies*

Date Submitted: 28-Mar-18
Invoice No.: A18-03888 (i)
Invoice Date: 17-Apr-18
Your Reference:

Metals Creek Resources
93 Edinburgh Ave.
Gander NL A1V 19C
Canada

ATTN: Sandy Stares (res)

CERTIFICATE OF ANALYSIS

332 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT **A18-03888 (i)**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.03
Method Code	FA-GRA
N218-01-016	1.35
N218-01-083	0.47
N218-01-084	0.03
N218-01-085	1.21
N218-01-086	1.04
N218-01-088	0.46
N218-01-089	0.75
N218-02-029	0.20
N218-02-030	1.68
N218-02-031	1.13
N218-02-032	0.49
OG18-045-001	3.17
OG18-45A-007	1.62
OG18-45A-010	1.92
OG18-44-134	3.10
OG18-44-135	2.62
OG18-44-144	2.80
PH18-01-007	5.00
PH18-01-008	1.41
PH18-01-011	5.39

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.03
Method Code	FA-GRA
OREAS 214 Meas	2.89
OREAS 214 Cert	3.03
OREAS 214 Meas	2.93
OREAS 214 Cert	3.03
OREAS 216 (Fire Assay) Meas	6.55
OREAS 216 (Fire Assay) Cert	6.66
OREAS 216 (Fire Assay) Meas	6.46
OREAS 216 (Fire Assay) Cert	6.66
N218-02-031 Orig	1.13
N218-02-031 Dup	1.13
PH18-01-007 Orig	5.00
PH18-01-011 Orig	5.39
Method Blank	< 0.03
Method Blank	< 0.03
Method Blank	< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 07-Mar-18
Invoice No.: A18-02798
Invoice Date: 13-Mar-18
Your Reference: 18T316586

Metals Creek Resources
1100 Memorial Ave.
Suite 329
Thunder Bay Ontario P7B 4A3
Canada

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

8 Crushed Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT **A18-02798**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
9098352A	18
9098361A	460
9098372A	982
9098380A	53
9098389A	64
9098398A-DUP	145
9098408A	259
9098417A	11

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 254 Meas	2530
OREAS 254 Cert	2550
OREAS 218 Meas	513
OREAS 218 Cert	531
9098352A Orig	20
9098352A Dup	15
Method Blank	< 5

Quality Analysis ... *Innovative Technologies*

Date Submitted: 04-Apr-18
Invoice No.: A18-04273
Invoice Date: 13-Apr-18
Your Reference:

Metals Creek Resources
1100 Memorial Ave.
Suite 329
Thunder Bay Ontario P7B 4A3
Canada

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

17 Crushed Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT **A18-04273**

Notes:

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

Footnote: Client sample 9138846 was INS for 1A2 analysis

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
9138837	174
9138846	
9138865	6
9138874	108
9138884	33
9138766	< 5
9138775	101
9138785	905
9138794	< 5
9138803	57
9138914	2550
9138923	6
9138933	51
9138942	9
9138951	129
9138961	3340
9138856	30

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 254 Meas	2440
OREAS 254 Cert	2550
OREAS 218 Meas	534
OREAS 218 Cert	531
9138803 Orig	57
9138803 Dup	57
Method Blank	< 5

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **METALS CREEK RESOURCES**
945 COBALT CRESCENT
THUNDER BAY ON P7B 5Z4

Finalized Date: 23- APR- 2018
Account: MECRRE

CERTIFICATE TB18082687

This report is for 33 Crushed Rock samples submitted to our lab in Thunder Bay, ON, Canada on 11- APR- 2018.

The following have access to data associated with this certificate:

DON HEEREMA	MIKE MACISAAC	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
PUL- 31d	Pulverize Split - duplicate
LOG- 22d	Sample login - Rcd w/o BarCode dup

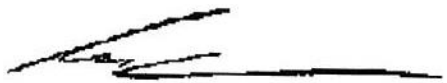
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA23	Au 30g FA- AA finish	AAS

To: **METALS CREEK RESOURCES**
ATTN: DON HEEREMA
945 COBALT CRESCENT
THUNDER BAY ON P7B 5Z4

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: 

Colin Ramshaw, Vancouver Laboratory Manager

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www.alsglobal.com/geochemistry

To: METALS CREEK RESOURCES
945 COBALT CRESCENT
THUNDER BAY ON P7B 5Z4

Finalized Date: 23- APR- 2018
Account: MECRRE

CERTIFICATE OF ANALYSIS TB18082687

Method Analyte Units LOR / Sample Description	WEI- 21 Recvd Wt. kg 0.02	Au- AA23 Au ppm 0.005
N218- 01- 015	0.24	0.282
N218- 01- 025	0.38	0.022
N218- 01- 035	0.40	0.006
N218- 01- 005	0.21	0.009
N218- 01- 045	0.46	<0.005
N218- 01- 055	0.39	0.016
N218- 01- 065	0.36	0.017
N218- 01- 075	0.26	0.009
N218- 01- 085	0.36	1.380
N218- 01- 095	0.28	<0.005
N218- 02- 005	0.32	0.007
N218- 02- 015	0.27	0.047
N218- 02- 025	0.30	<0.005
N218- 02- 035	0.27	0.017
N218- 02- 045	0.35	0.052
OG18- 45A- 005	0.31	<0.005
OG18- 44- 05	0.33	0.032
OG18- 44- 015	0.26	0.029
OG18- 44- 025	0.43	0.128
OG18- 44- 035	0.31	<0.005
OG18- 44- 045	0.25	0.016
OG18- 44- 055	0.39	<0.005
OG18- 44- 065	0.30	0.010
OG18- 44- 075	0.41	<0.005
OG18- 44- 085	0.43	<0.005
OG18- 44- 095	0.44	0.013
OG18- 44- 105	0.43	<0.005
OG18- 44- 115	0.41	0.017
OG18- 44- 125	0.44	<0.005
OG18- 44- 135	0.51	3.17
OG18- 44- 145	0.45	0.025
PH18- 01- 005	0.57	0.017
PH18- 01- 015	0.43	0.009

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 23- APR- 2018
Account: MECRRE

CERTIFICATE OF ANALYSIS TB18082687

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada
LOG- 22d PUL- 31d WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au- AA23