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2016 ASSESSMENT REPORT

FOR 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 twelve diamond drillholes on the Thomas Ogden Zone in Timmins Ontario. Three programs took place between February and October 2016 totaling 4,529 meters. A total of 900 core samples were sent to Accurassay Laboratories in Thunder Bay for gold analysis. The holes were designed to test fold theories and plunges as well as drill more untested stratigraphy to the west of the present Thomas Ogden Zone (TOZ). The best intercept from the nine holes was 5.73g/t Au over 8.20m from hole TOG-16-47. Total expenditures for the three drill programs was $ 424,105.00

Terms of Reference

Map projections are in UTM, North American Datum 83, Zone 17 and all referenced UTM coordinates are in this project 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” = grams per metric tonne, “Au” = gold, “ddh” = diamond drill hole, TOZ = Thomas Ogden Zone and MEK = Metals Creek Resources.

Land Title/Tenure

The property consists of 36 patent parcels, 13 leases and 14 unpatented mining claims that lie within the central portion of Ogden Twp. and the west central Deloro Twp., registered in the Porcupine Mining Division. The contiguous patents and leases are presently registered and held 51% by Goldcorp Canada Ltd and 49% by Goldcorp Inc. The unpatented mining claims are registered as 50% Metals Creek Resources, 25.50% Goldcorp Canada Ltd. and 24.50% Goldcorp Inc. in an option-joint venture with Goldcorp on the Ogden Property. See figure 1 for illustration of land position. The above mentioned Patents, leases and unpatented mining claims are apart 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 as well as being Project Operator. All exploration activities discussed and proposed within this JEAP grant proposal will occur within the patented mining claims described below thus not requiring an exploration permit for the proposed drilling. See figure 9.

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 (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 (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

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

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

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

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

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

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

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

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

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

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

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

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

PIN 65442-0686 (LT) - Parcel 58LC - Registered owners are Goldcorp Canada Ltd. 51 % and Goldcorp Inc. 49%
P37705

Claim #	Parcel #	Pin#	Previous Parcel #	Patent #	Recorded Holder
TRP 1995	221 SEC	65441-0172(LT)		6059 TEM	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
TRP 1407	222 SEC	65441-0173(LT)		6060 TEM	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
P 8795	41 23 SEC	65441-0177(LT)		923 Coch	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
P 8381	4951 SEC	65441-0181(LT)		2011 Coch	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
P 8383	4952 SEC	65441-0180(LT)		2012 Coch	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
P 8384	4953 SEC	65441-0179(LT)		201 3 Coch	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
ME 47/P 18122	5680 SEC SRO	65441-0182(LT)		2288 Coch	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
HR 1135	5681 SEC	65441-0178(LT)		2289 Coch	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
HR 1136	5681 SEC	65441-0178(LT)		2289 Coch	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
P 8381/P 16751	6199 SEC MRO	65441-0335(LT)	4951 SEC	2011 Coch	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
ME 47/P 18122	6199 SEC MRO	65441-0335(LT)	5680 SEC	2288 Coch	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
P 19143	9871 SEC	65441-0166(LT)		4738 Coch	Goldcorp Canada Ltd. 46% and Goldcorp Inc. 44%, Shirley Hamilton 10%
P 20073	9872 SEC	65441-0164(LT)		4739 Coch	Goldcorp Canada Ltd. 46% and Goldcorp Inc. 44%, Shirley Hamilton 10%
P 26257	9873 SEC	65441-0165(LT)		4740 Coch	Goldcorp Canada Ltd. 46% and Goldcorp Inc. 44%, Shirley Hamiton 10%
P 26258	9874 SEC	65441-0161(LT)		4741 Coch	Goldcorp Canada Ltd. 46% and Goldcorp Inc. 44%, Shirley Hamiton 10%
P 26408	9875 SEC	65441-0170(LT)		4742 Coch	Goldcorp Canada Ltd. 46% and Goldcorp Inc. 44%, Shirley Hamiton 10%
P 19144	9877 SEC	65441-0167(LT)		4747 Coch	Goldcorp Canada Ltd. 46% and Goldcorp Inc. 44%, Shirley Hamiton 10%
P 19145	9878 SEC	65441-0171(LT)		4748 Coch	Goldcorp Canada Ltd. 46% and Goldcorp Inc. 44%, Shirley Hamiton 10%
P 19147	9879 SEC	65441-0168(LT)		4749 Coch	Goldcorp Canada Ltd. 46% and Goldcorp Inc. 44%, Shirley Hamiton 10%
P 20074	9880 SEC	65441-0159(LT)		4750 Coch	Goldcorp Canada Ltd. 46% and Goldcorp Inc. 44%, Shirley Hamiton 10%
P 26259	9881 SEC	65441-0160(LT)		4751 Coch	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	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
PP 21 (TRP 1784)	5496 SEC Secondly	65441-0345(LT)	1826 SND	752 SND	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
PP 23 (TRP 1783)	5496 SEC Thirdly	65441-0345(LT)	1827 SND	753 SND	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
PP 24 (TRP 1785)	5496 SEC Fourthly	65441-0345(LT)	1828 SND	754 SND	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
PP 25 (TRP 1786)	5496 SEC Fifthly	65441-0345(LT)	1829 SND	755 SND	Goldcorp Canada Ltd. 51% and Goldcorp Inc. 49%
PP 26 (TRP 1787)	5496 SEC Sixthly	65441-0345(LT)	1830 SND	756 SND	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%

P528812, P528813, P528814, P528815, P528816, P528817, P528915, P528916, P528917, P528918, P528919, P528920, P528921

Unpatented Mining Claims

Claim Number	Units	Recorded Holder	Due Date
3004000	6	Metals Creek (50.00 %), Goldcorp Can Ltd. (25.50%), Goldcorp Inc. (24.50%)	2018-SEP-26
3004001	2	Metals Creek (50.00 %), Goldcorp Can Ltd. (25.50%), Goldcorp Inc. (24.50%)	2018-SEP-26
3004002	9	Metals Creek (50.00 %), Goldcorp Can Ltd. (25.50%), Goldcorp Inc. (24.50%)	2018-SEP-26
3001492	1	Metals Creek (50.00 %), Goldcorp Can Ltd. (25.50%), Goldcorp Inc. (24.50%)	2018-DEC-10
1180855	1	Metals Creek (50.00 %), Goldcorp Can Ltd. (25.50%), Goldcorp Inc. (24.50%)	2018-MAR-25
3004028	2	Metals Creek (50.00 %), Goldcorp Can Ltd. (25.50%), Goldcorp Inc. (24.50%)	2017-OCT-23
1227821	2	Metals Creek (50.00 %), Goldcorp Can Ltd. (25.50%), Goldcorp Inc. (24.50%)	2018-APR-28
1220101	4	Metals Creek (50.00 %), Goldcorp Can Ltd. (25.50%), Goldcorp Inc. (24.50%)	2018-JUN-19
1227996	1	Metals Creek (50.00 %), Goldcorp Can Ltd. (25.50%), Goldcorp Inc. (24.50%)	2018-JUN-23
1227997	2	Metals Creek (50.00 %), Goldcorp Can Ltd. (25.50%), Goldcorp Inc. (24.50%)	2018-JUN-23
1227998	1	Metals Creek (50.00 %), Goldcorp Can Ltd. (25.50%), Goldcorp Inc. (24.50%)	2018-JUN-23
1227999	1	Metals Creek (50.00 %), Goldcorp Can Ltd. (25.50%), Goldcorp Inc. (24.50%)	2018-JUN-23
1228000	3	Metals Creek (50.00 %), Goldcorp Can Ltd. (25.50%), Goldcorp Inc. (24.50%)	2018-JUN-23
1220102	1	Metals Creek (50.00 %), Goldcorp Can Ltd. (25.50%), Goldcorp Inc. (24.50%)	2018-JUN-26

TOTAL 14 claims

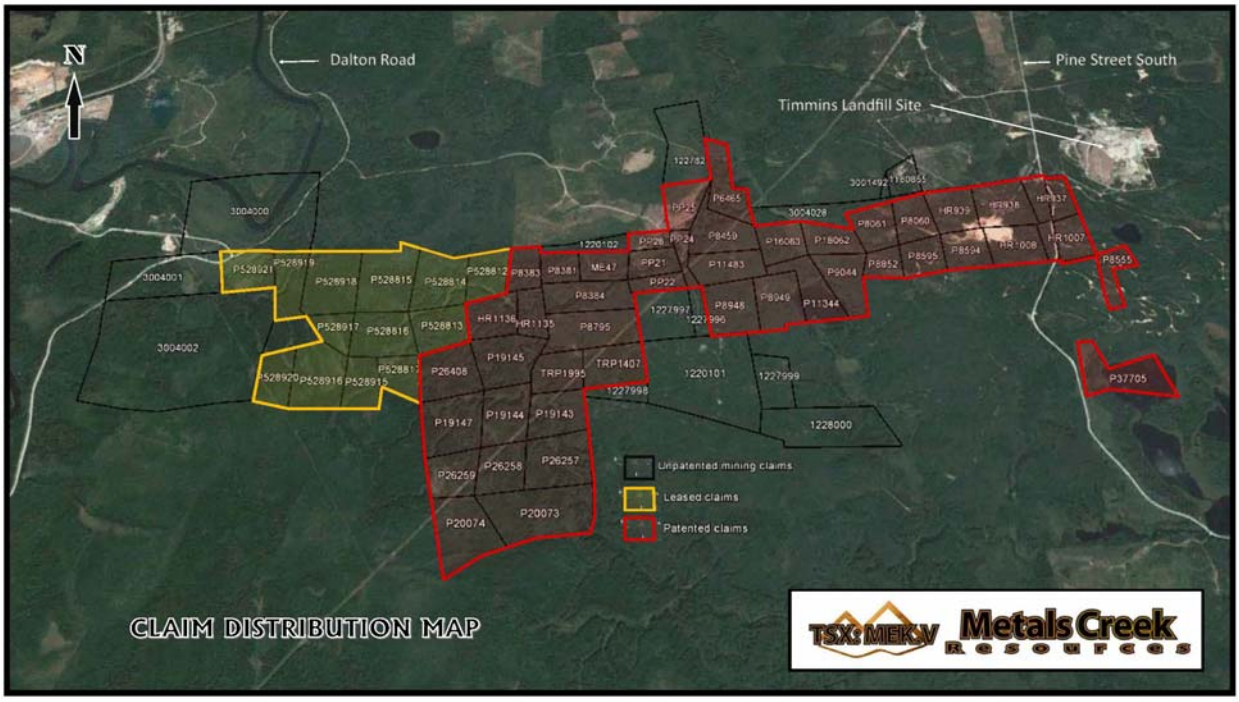


Figure 1: Claim Map

Property Location and Access

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

Access to the property is from both Pine Street South crossing the east end of the property and Dalton Road transecting the west end of the property, depending on where the work in taking place. 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.

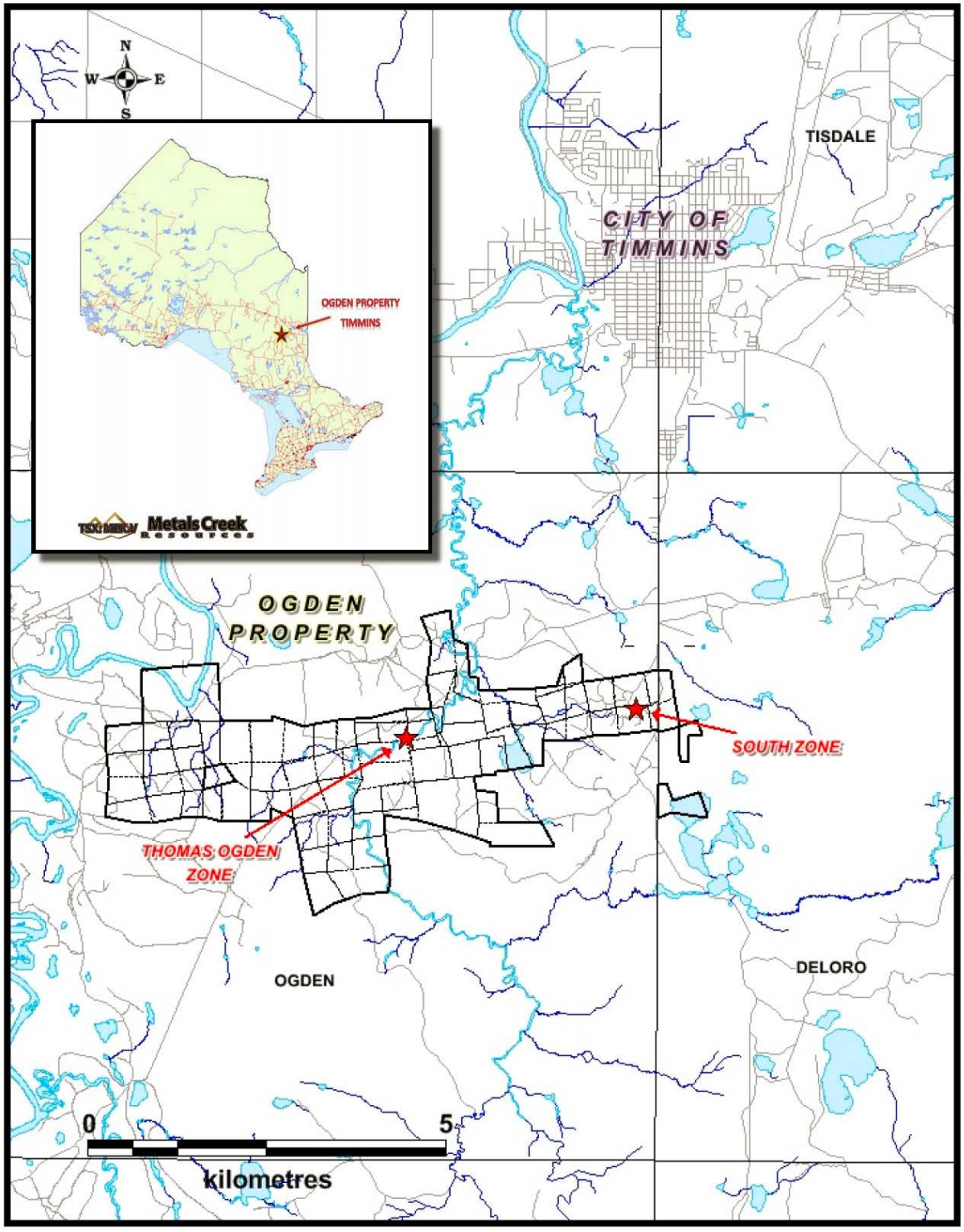


Figure 2: Property Location

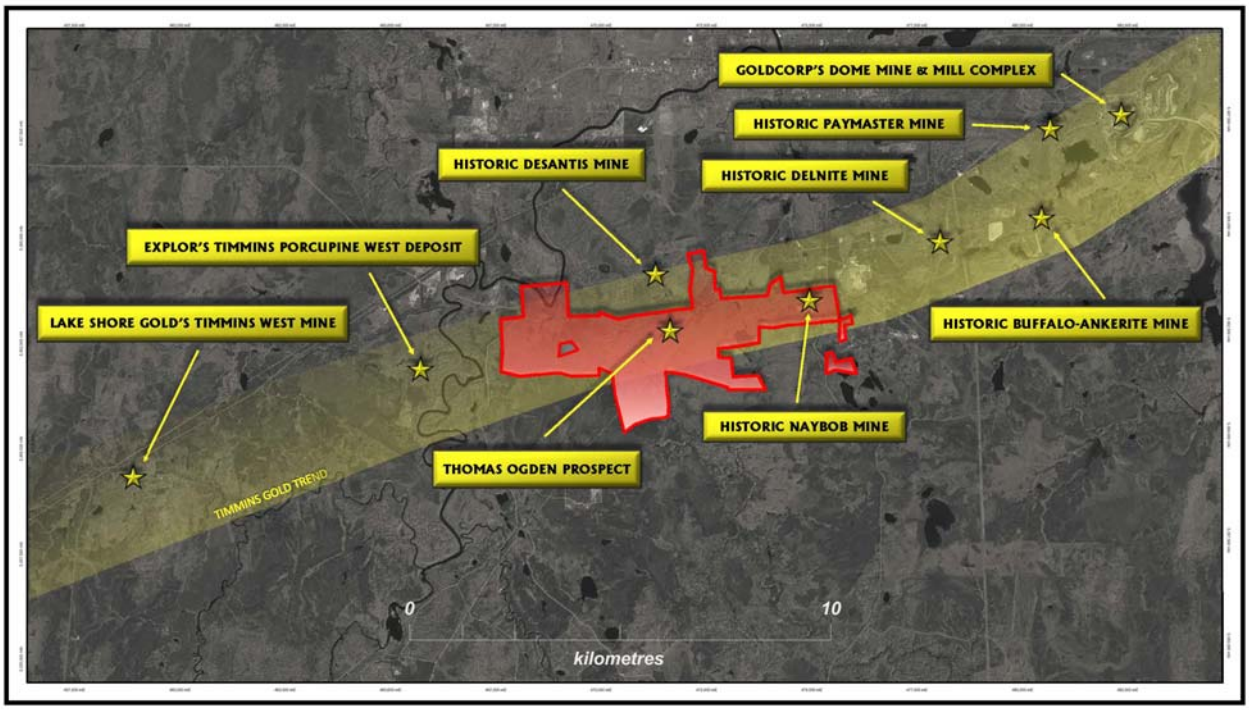


Figure 3: Timmins West Gold Trend

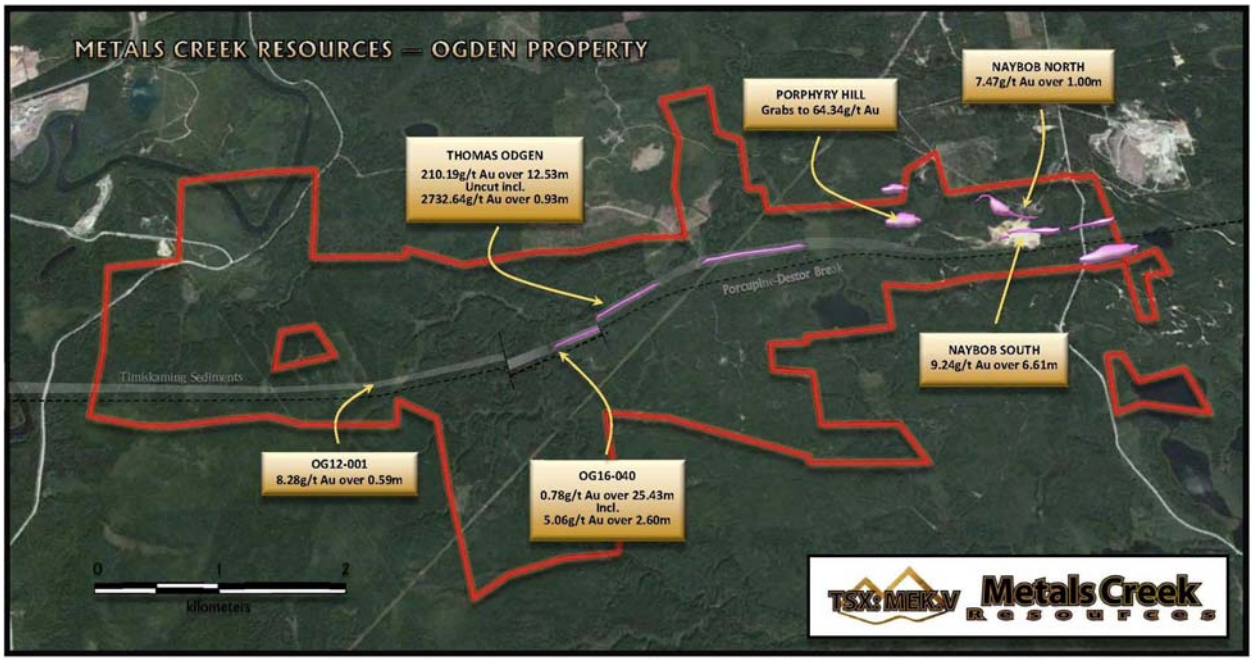


Figure 4: Ogden Property Highlights

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 Zone 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.

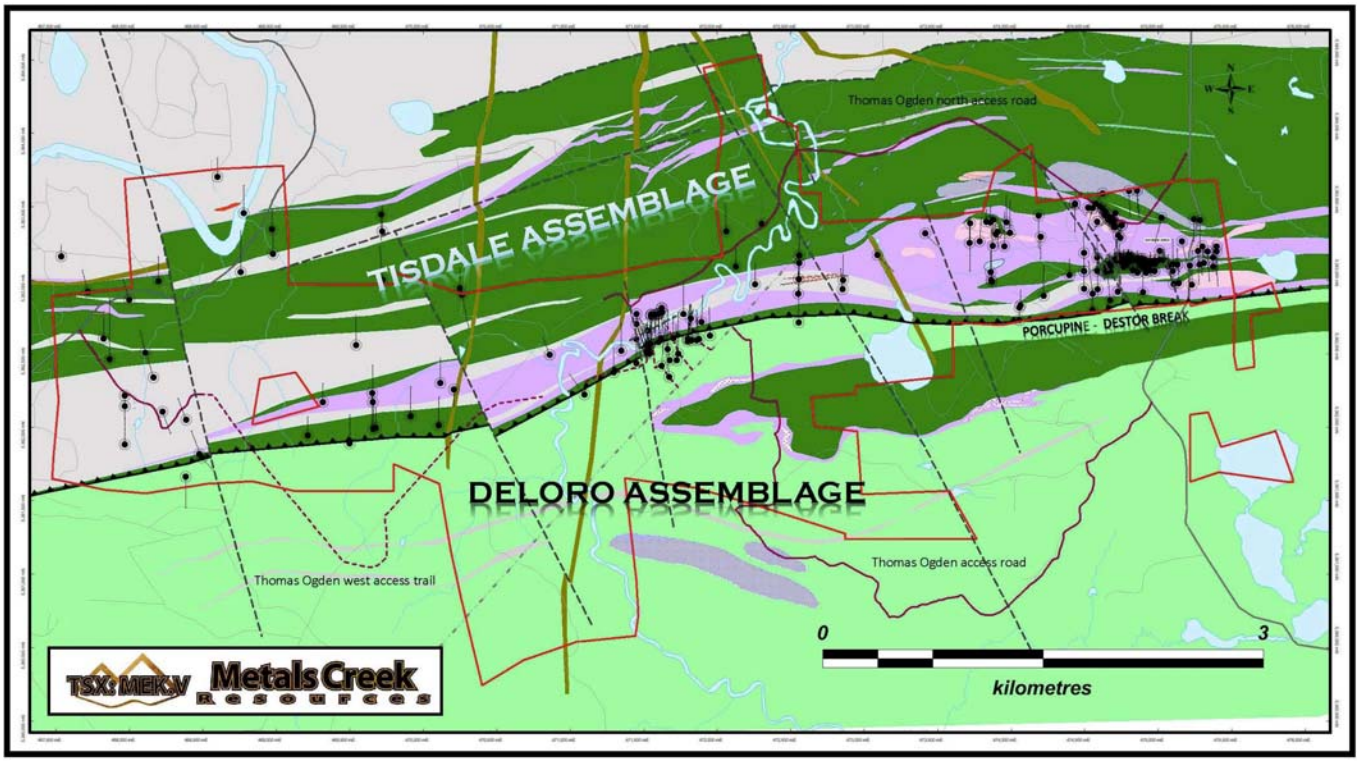


Figure 5: Ogden Property Geology

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.

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 Timiskaming age sediments that young north. The sediments are 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.

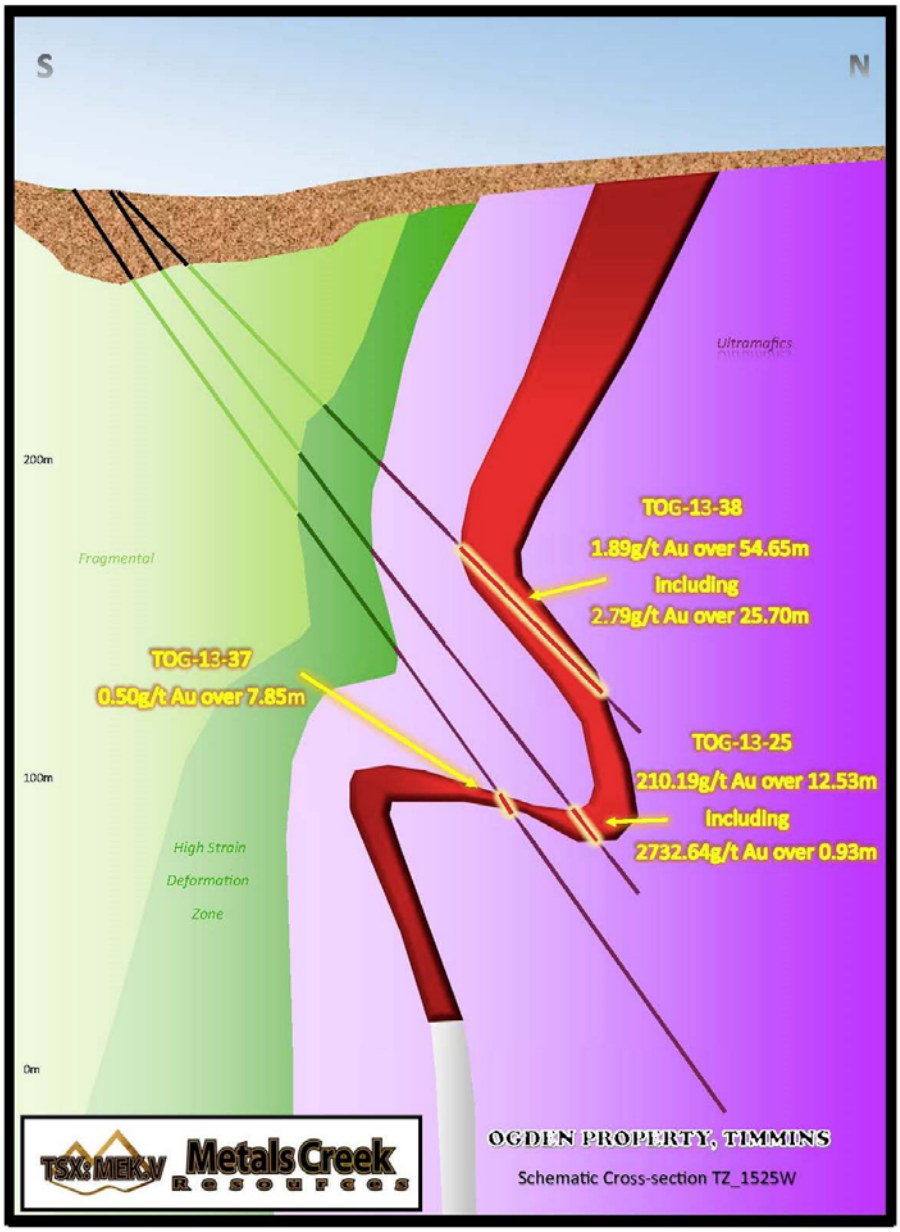
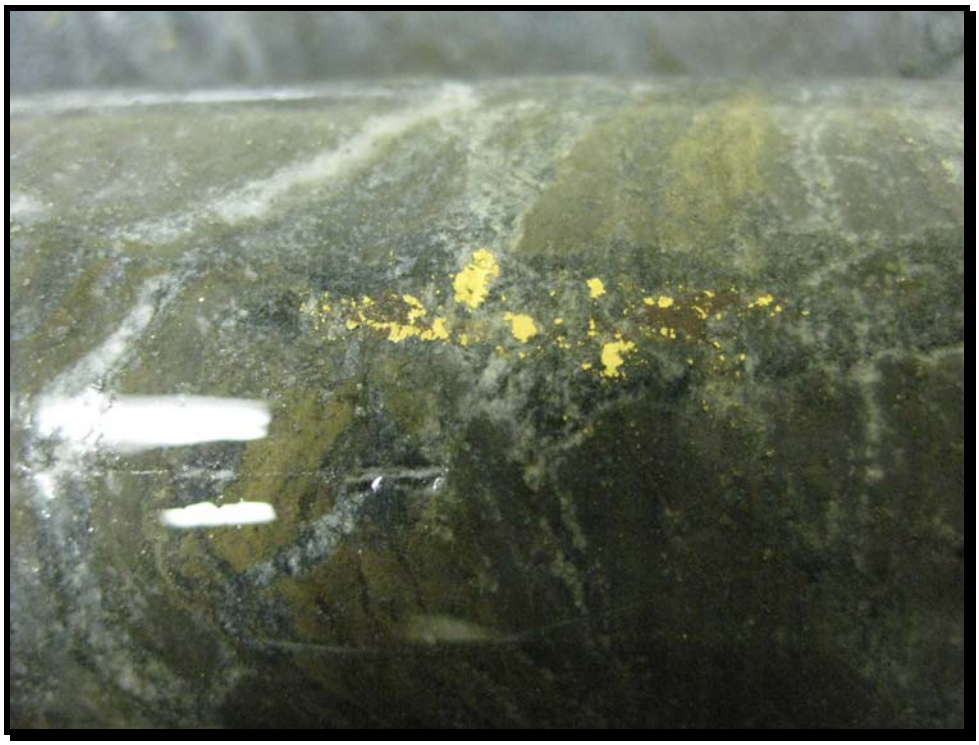


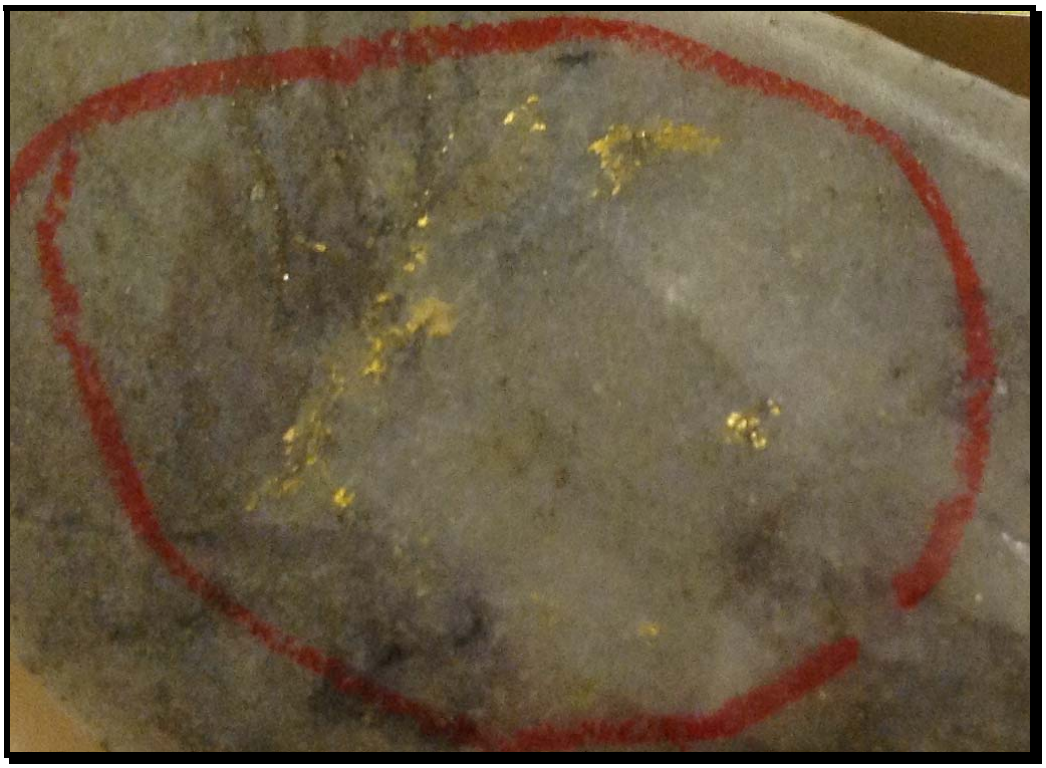
Figure 6: Thomas Ogden Schematic Cross Section

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. 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.



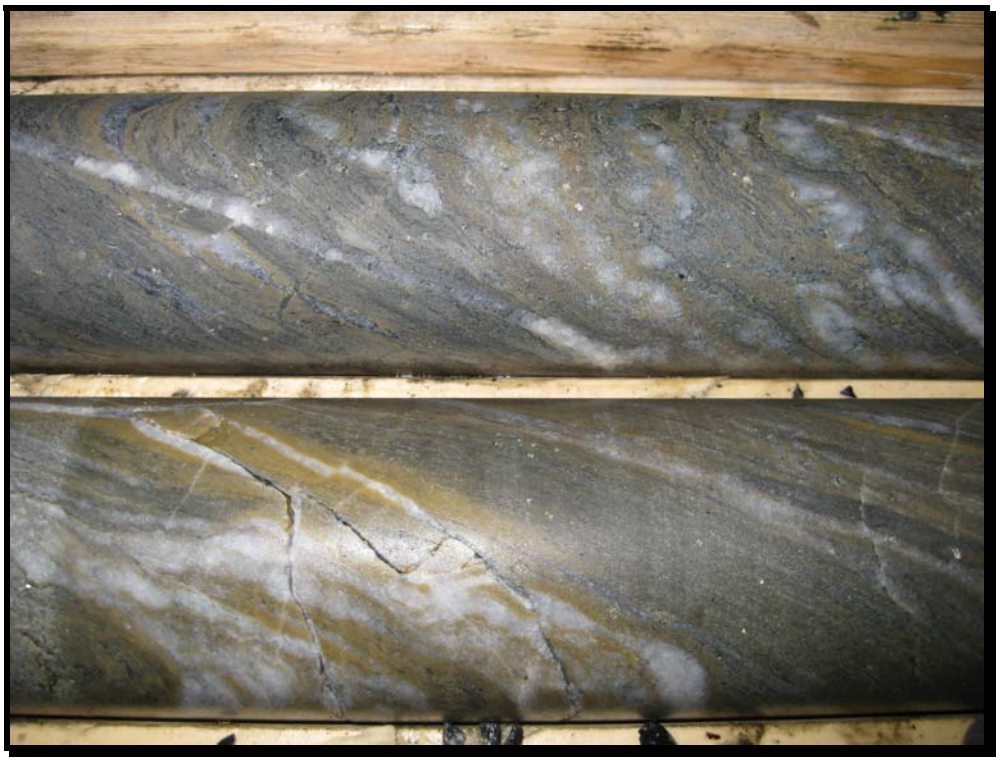
Visible gold in hole TOG-13-25 sample TOG-13-25-018 (2732.64g/t Au)

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)

Alteration on the Ogden Property consists of varying degrees of carbonate, fuchsite, albite, sericite and silicification. Associated with these alteration zones are variable amounts of sulphides. In the vicinity of the North Zone, green fuchsite and ankerite alteration is dominant with lesser albite and silicification. Outside of the carbonate alteration zone, are intensely altered serpentinized/chloritized ultramafics. The South Zone alteration is composed of significant, pervasive albitization that has been brecciated by thin quartz stringers generally found along the mafic/andesite and ultramafic contact. 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.



Albite-sericite-carbonate alteration typical of Thomas Ogden Zone

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

Mineralization observed on the property consists of pyrite, arsenopyrite, trace chalcopyrite, pyrrhotite and free gold. The Naybob North 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. Disseminated pyrite, arsenopyrite and specks of free gold occur in the South and Thomas Ogden Zones. The pyrite mineralization is generally more associated with brown/beige sericite/albite alteration found within the sediments and felsites. The arsenopyrite is concentrated locally within altered portions of the finer sediments; in particular the argillites. Minor galena and sphalerite were also noted in a silicified zone deeper in South Zone and within the felsite material of the Thomas Ogden Zone.

The Thomas Ogden Zone lies 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. 50 degrees and post-date the mineralization and diking with higher grade gold mineralization found within the fold noses. All lithologies are folded in this manner.

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 – March 2016: Metals Creek Resources conducted 78.85 line kilometers of line-cutting, utilized for ground magnetics and induced polarization surveys. MEK has drilled a total of 26,446 meters in 104 holes on the property; 5 holes on North Zone, 29 holes on South Zone, 8 holes on Porphyry Hill, 55 holes for 16,140 meters on the Thomas Ogden zone and 7 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.

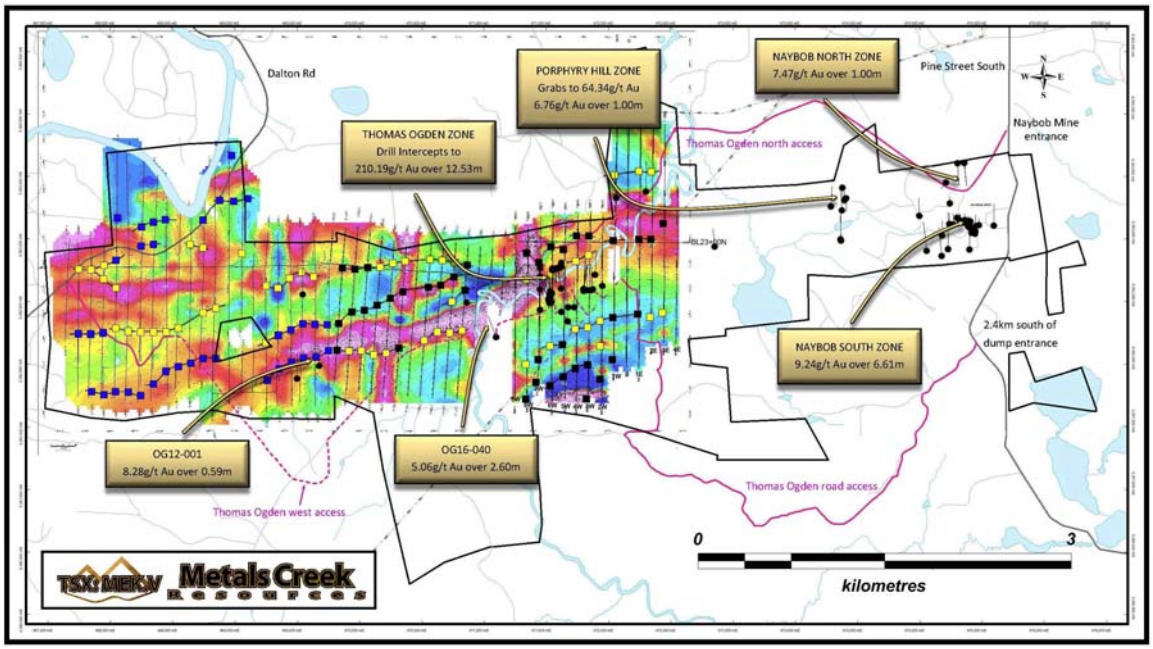


Figure 7: MEK 2009-2016 Ogden Work

Drill Programs 2016

This report summarizes twelve (12) diamond drillholes totaling 4,529 meters of NQ diameter core that were drilled between February and October of 2016. Norex Drilling of Porcupine Ontario was awarded all three contracts. Of the twelve holes, four stepped out west of the Thomas Ogden Zone while the remaining eight were drilled in the vicinity of the Thomas Ogden Zone testing plunging fold hinges thought to carry higher grade gold mineralization. Two of the twelve holes were drilled from the north side of the river (drilling south) with the remainder drilling northward. All of the holes were drilled on patents and within 925m strike length of each other. See figure 8.

Step-out hole (OG16-040) was drilled 480m west of the present Thomas Ogden Zone (TOZ) returning 0.78g/t Au over 25.43m including 5.06g/t Au over 2.60m in February of 2016. Aside from the visible gold and gold grades, the alteration and mineralization was also very encouraging; showing that very strong potential exists between the present TOZ and OG16-040 as well as beyond to the west. Therefore holes TOG-16-44 through TOG-16-46 were drilled in May under and close to OG16-040 to follow-up on the alteration and gold mineralization mentioned. The stratigraphy in that area appears not to be as folded as first predicted; although the alteration is moderate to locally intense. Sulphide mineralization is weak to locally strong pyritization at the approximately the same elevation in TOG-16-46 as is in OG16-040.

OG16-040: Designed as a stepout hole some 500m southwest of MEK's western limit of the bulk of diamond drilling to test stratigraphy and follow-up on an anomalous diamond drillhole from 2001 drilling by Echo Bay Mines Ltd. Echo Bay hole OPT-11 pierced a relatively narrow swath of sediments hosting moderate sulphides and exhibiting significant alteration, returning 0.38g/t Au over 17.00m. Hole OG16-040 was designed as an undercut of OTP-11 that intersected silicified and sericitized sediments that yielded 0.78g/t Au over 25.43m including 5.06g/t Au over 2.60m with visible gold.

TOG-16-42: The shallower of two holes drilled in section TZ_1375W testing above and below hole TOG-12-10 that intercepted 2.25g/t Au over 12.95m including 3.98g/t Au over 4.90m. Hole TOG-16-42 was drilled above to test for rolls and the sedimentary package that hosts the alteration and subsequent gold mineralization. This hole returned 1.71g/t Au over 5.52m.

TOG-16-43: This hole is the undercut of TOG-12-10 testing for folds or breaks on the sediment stratigraphy. An intercept of 1.15g/t Au over 4.12m was pierced south of and at the same elevation as TOG-12-10 showing that tight folding or boudening of the sediments has taken place. See section TZ_1537W in Appendix I.

TOG-16-44: This hole was an undercut of hole OG16-040 resulting is a thicker sediment package but weaker alteration as well as pyrite mineralization. The sediments consisted of weakly altered conglomerates that fined upwards to argillites. No significant assays were returned in this hole.

TOG-16-45: This hole was drilled 100m east of TOG-16-44 under hole TOG-16-46 described below. Drill at approximately the same elevation as TOG-16-44, the same general outcome occurred; weak to moderate alteration of conglomerates and argillites with some pyritization. The hole was drilled at its particular elevation because it was thought the mineralization and alteration in OG16-040 would be plunging shallow eastward like that of the mineralization and fold hinges of the actual Thomas Ogden Zone. A best intercept of 0.32g/t Au over 2.45m was achieved.

TOG-16-46: Drilled 100 meters east of OG16-040 at approximately the same elevation to test for horizontal structures, this hole has slightly better return than the other two. Silicification and albitization was greater with strong pyritization and trace local arsenopyrite. Intercepts of 1.30g/t Au over 1.99m and 1.91g/t Au over 6.58m including 2.14g/t Au over 2.58m.

In October 2016, six more diamond drillholes were drilled on the Thomas Ogden Zone in an attempt to expand gold mineralization to depth as well as test fold hinges for high-grade gold. Of the six holes, 2 were drilled from north to south (TOG-16-47 and TOG-16-48). Due to the local complexity of the stratigraphy with folds and boudined rafts of sediments caught up in the ultramafics in areas of tight folding, two of the holes were designed to test fold theories. Three holes drilled on the eastern edge of the zone where attempting to drill potential fold hinges with a shallow easterly plunge.

TOG-16-47: Drilled from the north side of the Mount Joy River, this hole was designed to drill through the folded stratigraphy north to south to test the theory that the stratigraphy has a second fold structure south of the known fold. The sedimentary unit would then be dipping north again so drilling north to south allowed for a far better and proper intercept. As it turns out, the hole proved the theory of a northern fold with stretching and boudining of the stratigraphy to the south before folding back to a northern dip. See section for better illustration. An intercept of 5.73g/t Au over 8.20m was attained from above the northern fold and 1.27g/t Au over 7.29m from below the southern fold. Possibly boudinaged rafts of sediment were intercepted between returning 1.98g/t Au over 1.68m and 2.42g/t Au over 3.00m.

TOG-16-48: This hole was also drilled from the north side of the Mount Joy River to undercut hole TOG-13-27 that had a high-grade intercept of 49.96g/t Au over 9.00m in what was interpreted as a flat lying structure. Hole TOG-16-48 was designed to test this structure as well as a gentle roll in stratigraphy at the southern contact of the

sediments. No significant results transpired from the flat lying structure, but the roll in stratigraphy yielded 4.39g/t Au over 12.45m.

TOG-16-49: This hole was designed to drill in an area of a historic drillhole from the late 1930's to early 1940's that intercepted mineralized sediments and felsite typical of the Thomas Ogden Zone. This was a 416m hole that returned 1.20g/t Au over 5.06m in mineralized conglomerate.

TOG-16-50: This hole was drilled on section TZ_1250W which is slightly east of middle in the Thomas Ogden Zone. The sedimentary horizon is becoming slightly thicker with gentler folds moving east and this hole was attempting to drill a potential fold nose for high-grade gold and to help delineate the plunge of the folds. A broad zone of moderately altered sediments consisting of conglomerate and argillite where intersected and returned anomalous values of 0.23g/t Au over 19.83m including 0.46g/t Au over 4.83m as well another section of 0.34g/t Au over 13.50m including 0.84g/t Au over 2.00m.

TOG-16-51: This 678m hole was designed to test the plunge in mineralization at depth at the eastern extent of the present Thomas Ogden Zone drilling. The hole went much further than anticipated as a result of an unexpected bend in stratigraphy. Altered and mineralized conglomerates were targeted and only weak to moderate alteration with patchy pyritization was intersected returning only 0.64g/t Au over 2.00m at a downhole distance of 603.32m.

TOG-16-52: Drilled on the same section as TOG-16-51, this hole was drilled shallower attempting to hit an area of another gentle fold nose. Again, another broad zone of moderately altered and mineralized sediments were pierced, returning anomalous results of 0.31g/t Au over 46.00m including 0.58g/t Au over 4.00m and 0.63g/t Au over 4.00m. Some altered felsic diking at the northern contact of sediments was intersected returning 0.29g/t Au over 3.82m followed by a north south intermediate dike that has also had anomalous gold values of 0.53g/t Au over 4.50m.

Table 1: 2016 Diamond Drillhole Collar Data

Hole-ID	Easting (m)	Northing (m)	Elevation	Length (m)	Azimuth	Dip
OG16-040	471090.60	5362213.84	281.91	330	224	-58
TOG-16-42	471518.91	5362519.31	283.94	192	333.2	-45
TOG-16-43	471524.92	5362481.73	284.56	288	335.1	-52.9
TOG-16-44	471097.18	5362153.81	282.12	476	328.2	-60.1
TOG-16-45	471144.31	5362274.17	286.95	486	329.9	-68.5
TOG-16-46	417144.36	5362274.01	286.92	375	329.1	-63.7
TOG-16-47	471442	5362785	286	356	164	-55
TOG-16-48	471621	5362808	280.4	224	179	-59
TOG-16-49	417550.5	5362457.87	284.67	416	356.7	-61.7
TOG-16-50	471742	5362615	278	302	359	-52
TOG-16-51	471853	5362618	278	678	360	-79
TOG-16-52	471853	5362618	278	406	360	-57

Table 2: 2016 Drillhole Intercepts

Hole-ID	From(m)	To(m)	Au (g/t)	Length(m)
OG10-040	280.72	306.15	0.781	25.43
Incl.	280.72	282.32	5.056	2.60
TOG-16-42	157.50	163.02	1.705	5.52
TOG-16-43	224.93	229.05	1.145	4.12
TOG-16-44	NO SIGNIFICANT RESULTS			
TOG-16-45	336.55	339.00	0.32	2.45
TOG-16-46	270.95	272.95	1.309	2.00
and	285.00	287.58	2.136	2.58
TOG-16-47	214.55	236.64	2.309	22.09
incl.	222.30	230.50	5.732	8.20
and	260.22	261.90	1.981	1.68
and	270.28	273.28	2.418	3.00
and	281.35	288.64	1.265	7.29
TOG-16-48	199.95	212.40	4.389	12.45
TOG-16-49	358.80	362.10	1.642	3.30
TOG-16-50	191.68	211.50	0.233	19.82
incl.	191.68	196.50	0.456	4.82
and	223.50	237.00	0.344	13.50
incl.	235.00	237.00	0.842	2.00
TOG-16-51	603.32	605.32	0.639	2.00
TOG-16-52	269.00	315.00	0.306	46.00
incl.	282.00	286.00	0.578	4.00
and	289.00	293.00	0.629	4.00
and	389.00	393.50	0.526	4.50

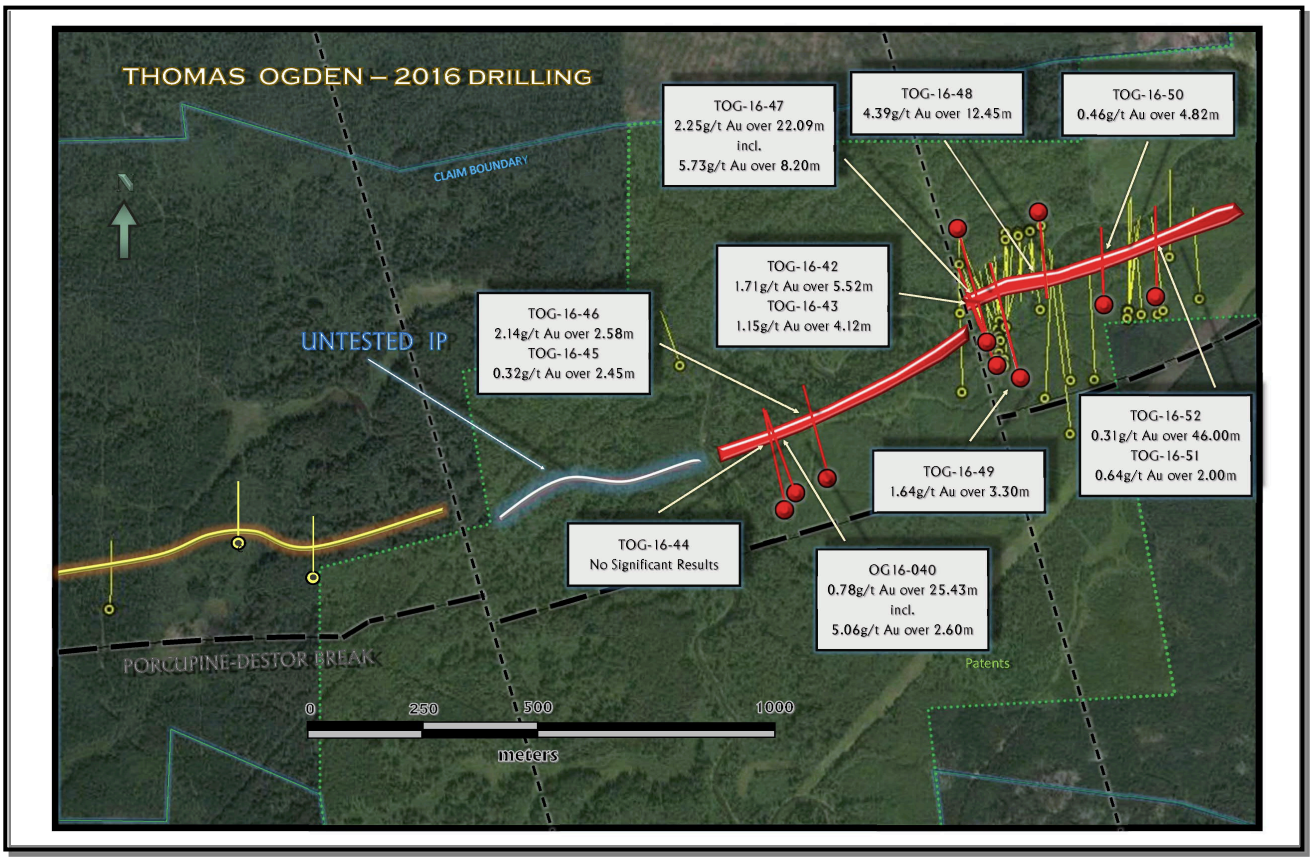


Figure 8: MEK 2016 Drill Plan

Norex drill rig used during 2016 programs (set-up TOG-16-50)

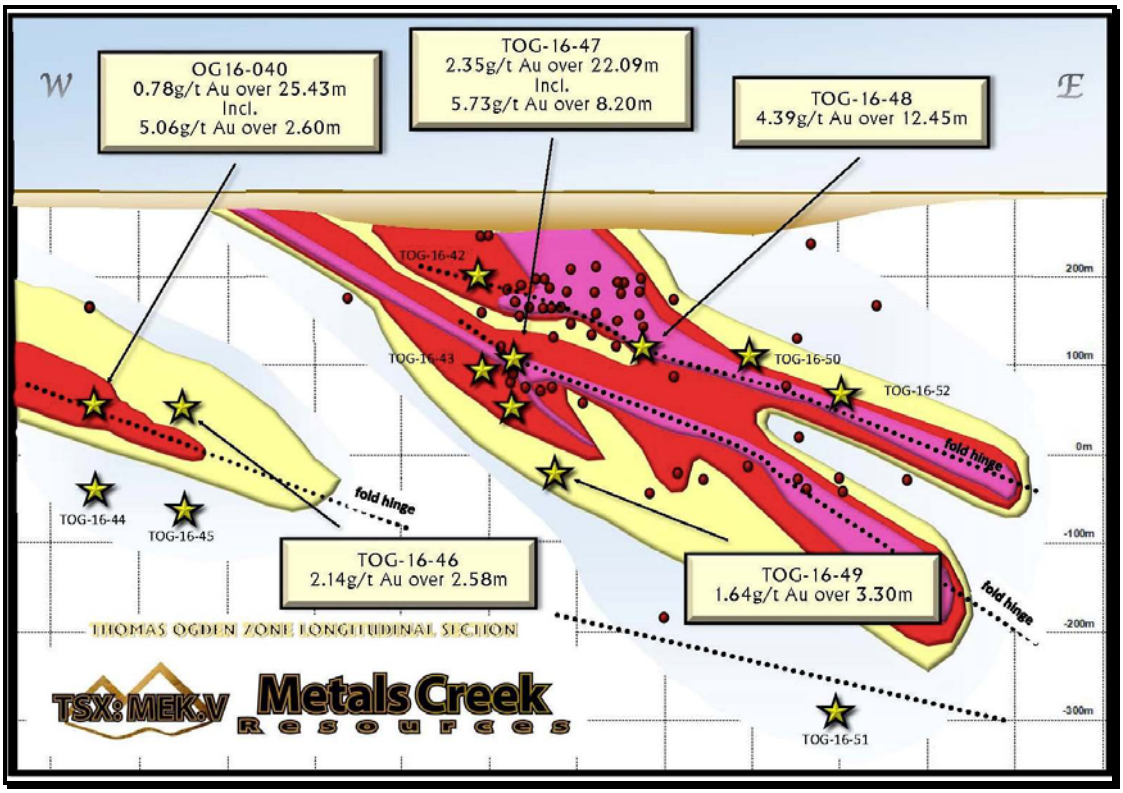


Figure 9: Thomas Ogden Schematic Longsection

Visible gold in hole TOG-16-47 sample TOG-16-47-019 (17.08g/t Au)

Visible gold in hole TOG-16-48 sample TOG-16-48-046 (40.61g/t Au)

Sampling and Analytical Techniques

A consistent sampling method was used throughout both drill programs. Samples were collected in all areas of interesting geology, alteration and mineralization. Sampling lengths were generally limited to 1 meter in length unless sampling homogenous rock 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 was bagged 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. Five different standards were used: AUQ1, HGS1, HGS3, LGA1 and CDN-GS-3H. A total of 970 samples were sent for initial gold analysis; including 41 inserted blanks and 29 inserted standards.

All of the samples were brought by MEK personnel to Accurassay Laboratories Ltd. in Thunder Bay, Ontario where they were analyzed for Au using a standard fire assay with

atomic absorption finish. Check samples on every 10th sample were sent to Actlabs in Thunder Bay for comparisons to Accurassay results.

The re-assay protocol for drill core was as follows; any sample that assayed over 1g/t Au was 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.

Below are Accurassay Laboratories descriptions of analytical procedures…

Sample Preparation

The rock samples are first entered into Accurassay 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.

Pulp Metallic Analysis

The rock samples are first entered into Accurassay Laboratories Local Information System (LIMS). The samples are dried, if necessary and then jaw crushed to 85% <10 mesh and the entire sample pulverized to approximately 85% <200 mesh. Non-silica based abrasive sand is used to clean out the pulverizing dishes between each sample to prevent cross contamination. The entire sample is screened through 106 micron mesh (150 mesh). Two sub-samples of the <150 mesh portion of the sample (the pulp) and the entire +150 mesh portion of the sample are fired. The sample is mixed with a lead based flux and fused for an appropriate length of time. The fusing process results is a lead button, which is then placed in a cupelling furnace where all of the lead is absorbed by the cupel and a silver bead, which contains any gold, is left in the cupel. The cupel is removed from the furnace and allowed to cool. Once the cupel has cooled sufficiently, the silver bead is placed in an appropriately labelled small test tube and digested using aqua regia. The samples are bulked up with distilled deionized water. The total volume is 5.0 mL. For high grade samples the volume may be increased as necessary. The samples cool and are vortexed and the contents are allowed to settle. Once the samples have settled they are analyzed for gold using atomic absorption spectroscopy. The atomic absorption spectroscopy unit is calibrated for each element using the appropriate ISO 9002 certified standards in an air-acetylene flame. The results for the atomic absorption 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 it if it is error free. The results are then forwarded to the client by email and hardcopy in the mail.

Calculation

Total Gold (For Pulp Metallic Assay)

$$TM = [(P1 + P2)/2] * [1 – (MW/TW)] + M1 * (MW/TW)$$

Where TM = Total Au

P1 = Pulp #1 (in ppm)

P2 = Pulp #2 (in ppm)

MW = Metallic weight (g)

TW = Total Sample weight (g)

M1 = Metallic assay (in ppm)

$$\% \text{ Metallic in pulp} = \frac{\text{weight of metallic portion}}{\text{Total weight of sample}} \times 100$$

Quality Control

Accurassay Laboratories employs an internal quality control system that tracks certified reference materials and in-house quality assurance standards. Accurassay Laboratories uses a combination of reference materials, including reference materials purchased from CANMET and other CRM vendors, standards created in-house by Accurassay Laboratories and tested by round-robin analysis with laboratories across Canada, and ISO certified calibration standards purchased from 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 reassayed.

Conclusions and Recommendations

Although the grades were not of economic values in all of the holes, the geological information gained was invaluable; theories were tested and knowledge was gained. The holes to the west showed the alteration and moderate sulphide mineralization continue west where there remains an untested stretch of stratigraphy with an associated induced polarization conductor. It is recommended that drilling be done west of OG16-040 to test undrilled stratigraphy. There is also a gap in drilling between TOG-16-46 and the bulk of the drilling on the TOZ that should be drill tested with shallow hole(s) for flat lying folds. The best drill intercepts were in the center of the TOZ where mineralization continues to be drilled in close proximity to tight folding. Drill to the east showed the sediment package to be thickening eastwards with a straightening of stratigraphy with less pronounced folds. A detailed 3 dimensional model of stratigraphy should continue to take place before further drilling is conducted eastwards. It is also recommended that downhole induced polarization surveys be done in addition to what was conducted in 2010.

Expenditures

Expenditures incurred for the **2016** diamond drilling programs excluding HST.

Diamond Drilling – 12 holes – 4,529 meters	**$ 349,162.00**
Geologists/Geotech Labour	
Geo drill program supervision/logging	**$ 23,800.00**
Contractor Labour	**$ 3,825.00**
Planning/Data Comp/Report Writing	**$ 2,100.00**
Coreshack Rental	**$ 6,489.00**
Assays – Primary samples - 970 samples + gravs + metallics	**$ 16,487.00**
Check samples – second laboratory	**$ 2,268.00**
Accommodations	**$ 6,237.00**
Food	**$ 3,645.00**
Transportation	**$ 3,053.00**
Supplies – saw blades, dymo tape etc.	**$ 1,769.00**
Total	**$ 418,835.00**

References

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

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.

APPENDIX I

PLAN MAP AND DRILL SECTIONS

NORTH

PATENT 6199 SEC

PATENT 4952 SEC

PATENT 5496 SEC

PATENT 4953 SEC

PATENT 5681 SEC

PATENT 4123 SEC

MOUNTJOY RIVER

MINING CLAIM 1227997

TOG-16-47
471442mE, 5362785mN
Azi = 164, Dip = -55
Length = 356m

TOG-16-48
471621mE, 5362808mN
Azi = 179, Dip = -59
Length = 224m

TOG-16-50
471742mE, 5362615mN
Azi = 359, Dip = -52
Length = 302m

TOG-16-52
471853mE, 5362618mN
Azi = 360, Dip = -79
Length = 678m

TOG-16-51
471853mE, 5362618mN
Azi = 360, Dip = -57
Length = 406m

TOG-16-42
471518.91mE, 5362519.31mN
Azi = 333.2, Dip = -45
Length = 192m

TOG-16-43
471524.92mE, 5362481.73mN
Azi = 335.1, Dip = -52.9
Length = 288m

TOG-16-49
471550.5mE, 5362457.87mN
Azi = 356.7, Dip = -61.7
Length = 416m

TOG-16-45
471144.31mE, 5362274.17mN
Azi = 329.9, Dip = -69.5
Length = 486m

TOG-16-46
471114.36mE, 5362274.01mN
Azi = 329.1, Dip = -63.7
Length = 375m

OG16-040
471090.60mE, 5362213.84mN
Azi = 224, Dip = -58
Length = 330m

TOG-16-44
471097.18mE, 5362153.81mN
Azi = 328.2, Dip = -60.1
Length = 476m

-100 0 100
Scale 1:1000

-1000 0 1000
Scale 1:25000

5362800.00 Y
5362600.00 Y
5362400.00 Y
5362200.00 Y
471000.0 X
471200.0 X
471400.0 X
471600.0 X
471800.0 X

S

N

300.0 X

400.0 X

500.0 X

600.0 X

700.0 X

300.0 Y

200.0 Y

100.0 Y

0.0 Y

-100.0 Y

-200.0 Y

-300.0 Y

-400.0 Y

mining claim 1227997

patent parcel # 5496 SEC

sediment package

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

0.31g/t Au over 46.00m

TOG-16-52
471853mE, 5362618mN
Azi = 360, Dip = -57
Length = 406m

TOG-16-52

TOG-09-03

TOG-12-02

TOG-16-51

TOG-16-51
471853mE, 5362618mN
Azi = 360, Dip = -79
Length = 678m

0.64g/t Au over 2.00m

THOMAS OGDEN ZONE

Section TZ_1150W

-50 0 50

Scale 1:1000

METALS CREEK RESOURES

S

N

mining claim
1227997

patent parcel #
5496 SEC

sediment package

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

0.46g/t Au over 4.82m

TOG-16-50
471742mE, 5362615mN
Azi = 359, Dip = -52
Length = 302m

THOMAS OGDEN ZONE

Section TZ_1250W

-50 0 50

Scale 1:1000

METALS CREEK RESOURES

S

N

patent parcel #
4953 SEC

patent parcel #
6199 SEC

TOG-16-48
471621mE, 5362808mN
Azi = 179, Dip = -59
Length = 224m

4.39g/t Au over 12.45m

sediment package

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_1375W

-50 0 50
Scale 1:1000

METALS CREEK RESOURES

S

N

-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

-400.0 Y

patent parcel #
4953 SEC

sediment package

TOG-15-39

TOG-15-24

TOG-10-05

TOG-15-08

TOG-10-02

TOG-15-41

TOG-15-09

TOG-13-23

TOG-12-05

TOG-10-04

TOG-12-07

TOG-13-35

TOG-16-49

1.64g/t Au over 3.30m

TOG-16-49
471550.5mE, 5362457.9mN
Azi = 356.7, Dip = -61.7
Length = 416m

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_1475W

-50 0 50

Scale 1:1000

METALS CREEK RESOURES

S

N

patent parcel # 4953 SEC

patent parcel # 6199 SEC

sediment package

TOG-11-07

TOG-16-43

TOG-15-42

TOG-12-10

TOG-12-09

TOG-13-38

TOG-13-25

TOG-16-47

TOG-13-37

2.31g/t Au over 22.09m
incl.
5.73g/t Au over 8.20m

1.98g/t Au over 1.68m

2.42g/t Au over 3.00m

1.27g/t Au over 7.29m

TOG-16-47
471442mE, 5362785mN
Azi = 164, dip = -55
Length = 356m

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_1525W

-50 0 50
Scale 1:1000

METALS CREEK RESOURES

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

S

N

patent parcel # 4953 SEC

patent parcel # 6199 SEC

TOG-13-29

TOG-11-07

1.71g/t Au over 5.52m

TOG-16-42
471518.91mE, 5362519.31mN
Azi = 333.2, Dip = -45
Length = 192m

1.15g/t Au over 4.12m

TOG-12-10

TOG-16-43
471524.92mE, 5362481.73mN
Azi = 335.1, Dip = -52.9
Length = 288m

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_1537W

-50 0 50

Scale 1:1000

METALS CREEK RESOURES

SE

NW

patent parcel # 4123 SEC

patent parcel # 4953 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

TOG-16-46
471144.36mE, 5362274.01mN
Azi = 329.1, Dip = -63.7
Length = 356m

2.14g/t Au over 2.58m

0.32g/t Au over 2.45m

TOG-16-45
471144.31mE, 5362274.17mN
Azi = 329.9, Dip = -68.5
Length = 486m

TOG-16-46

TOG-16-45

sediment package

THOMAS OGDEN ZONE

Section TZ_1950W

-50 0 50

Scale 1:1000

METALS CREEK RESOURES

SE

NW

patent parcel # 4123 SEC

patent parcel # 4953 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

OTP-11

5.06g/t Au over 2.60m

OG16-040
471090.60mE, 5362213.84mN
Azi = 224, Dip = -58
Length = 330m

OG16-040

No significant results

TOG-16-44
471097.18mE, 5362153.81mN
Azi = 328.2, Dip = -60.1
Length = 476m

TOG-16-44

sediment package

THOMAS OGDEN ZONE

Section TZ_2050W

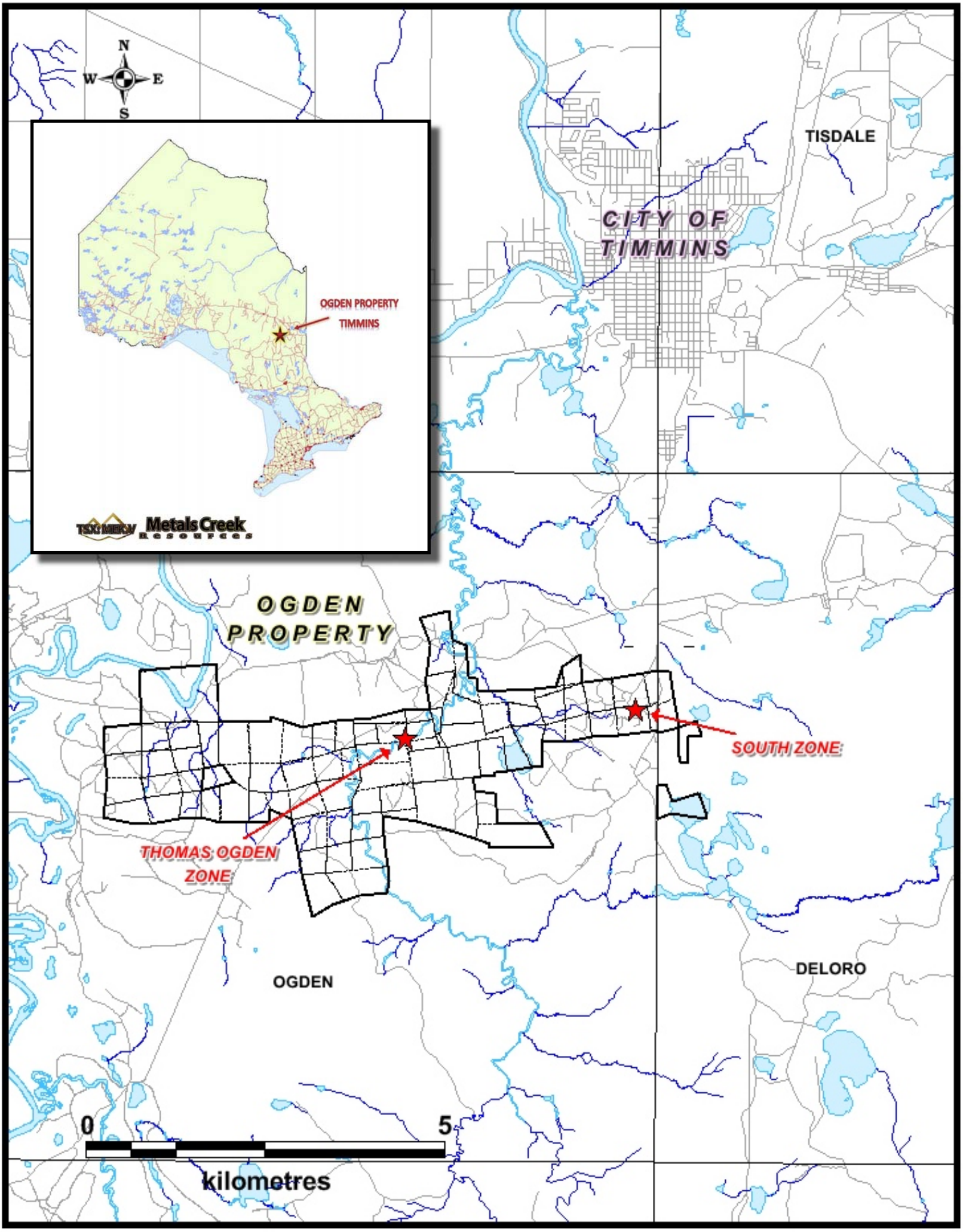
-50 0 50

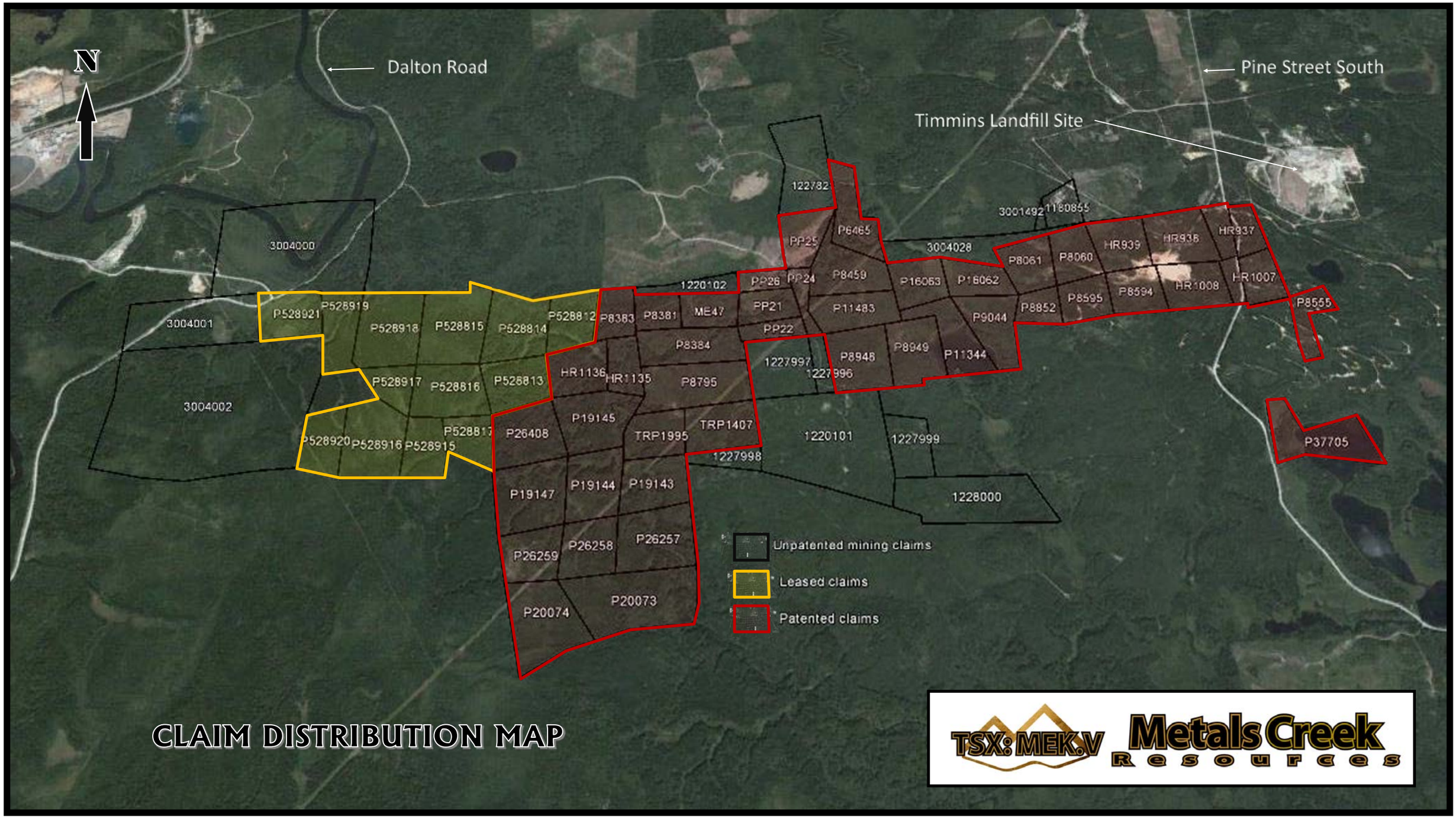
Scale 1:1000

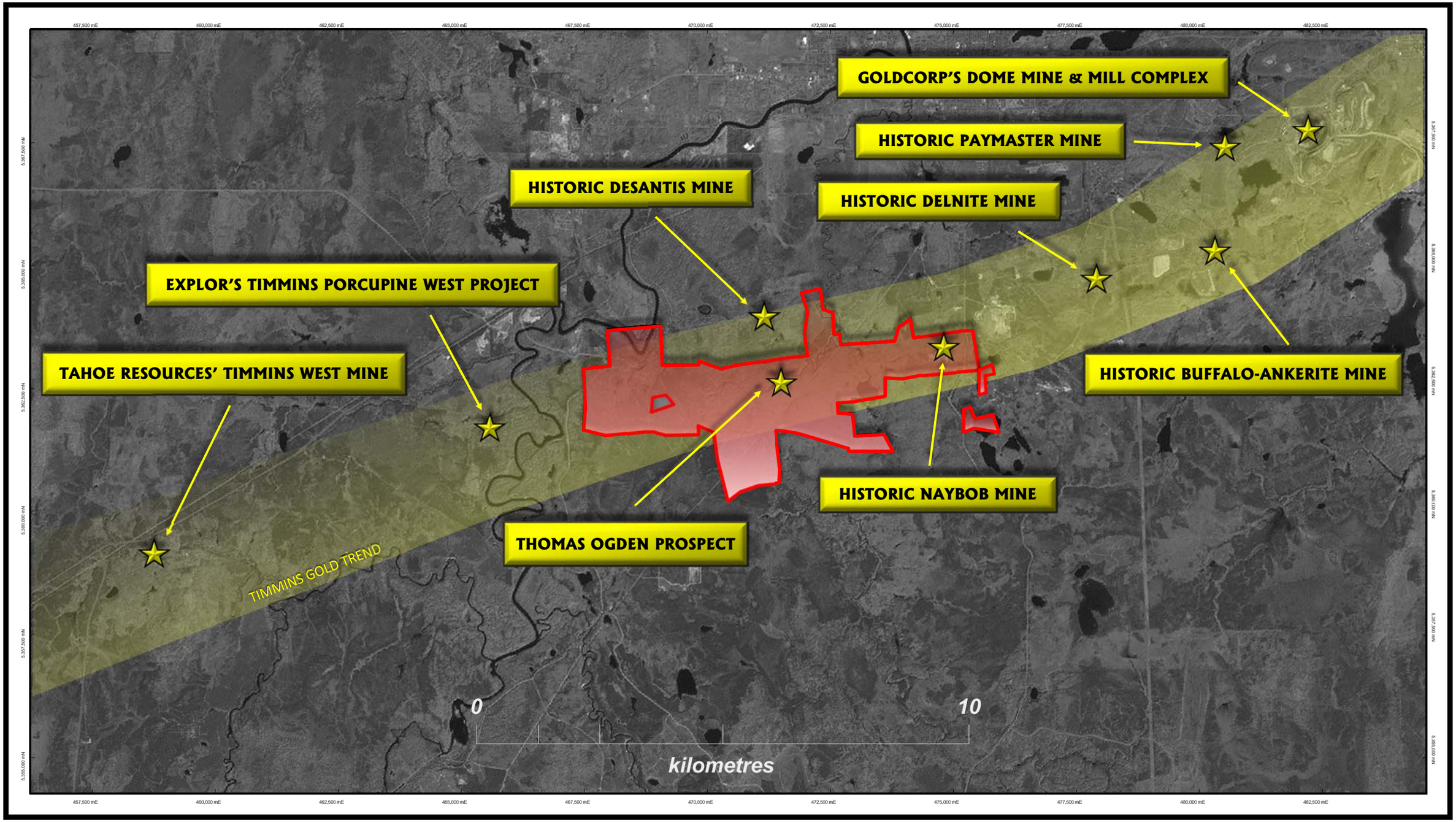
METALS CREEK RESOURES

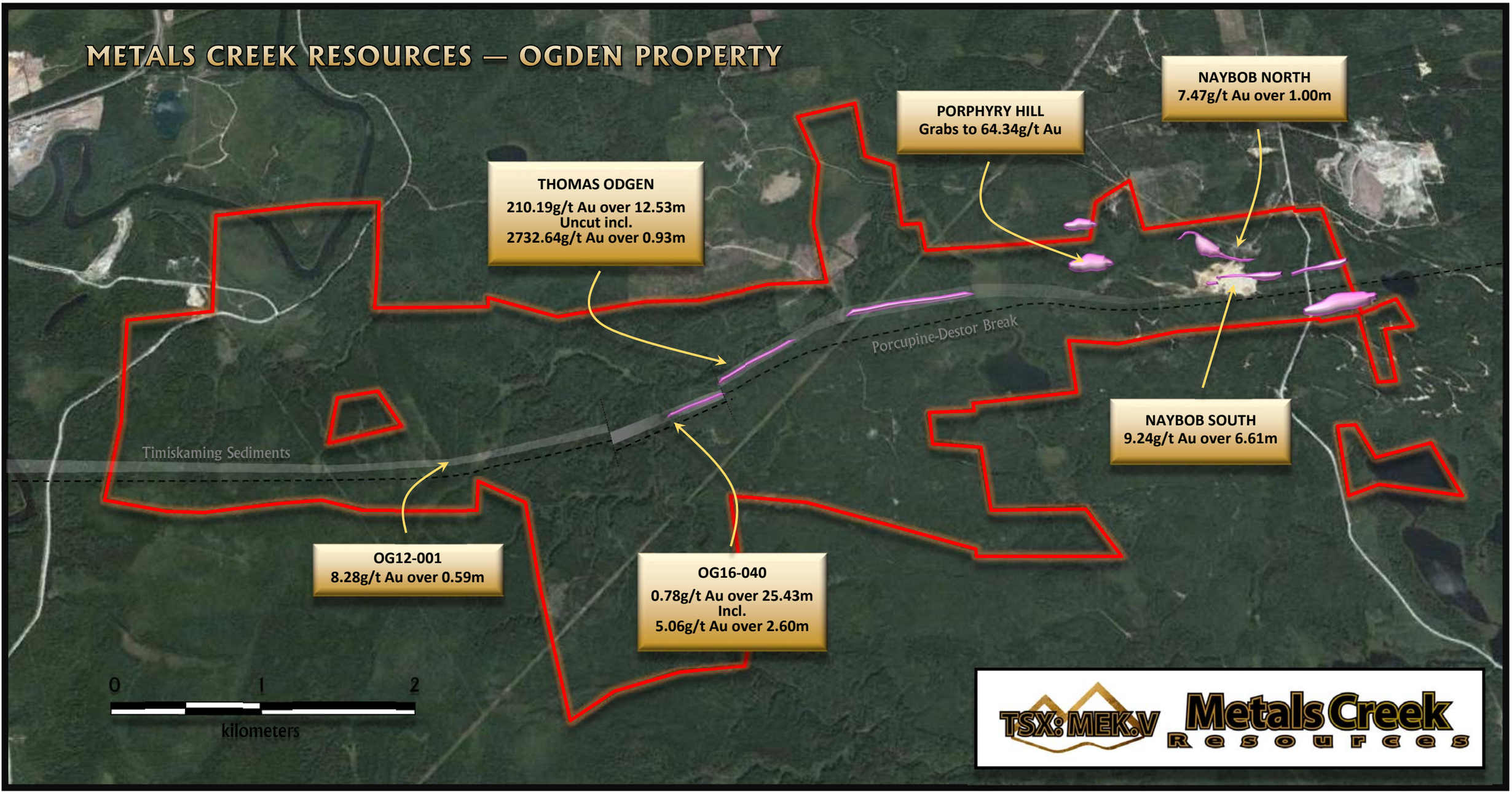
APPENDIX II

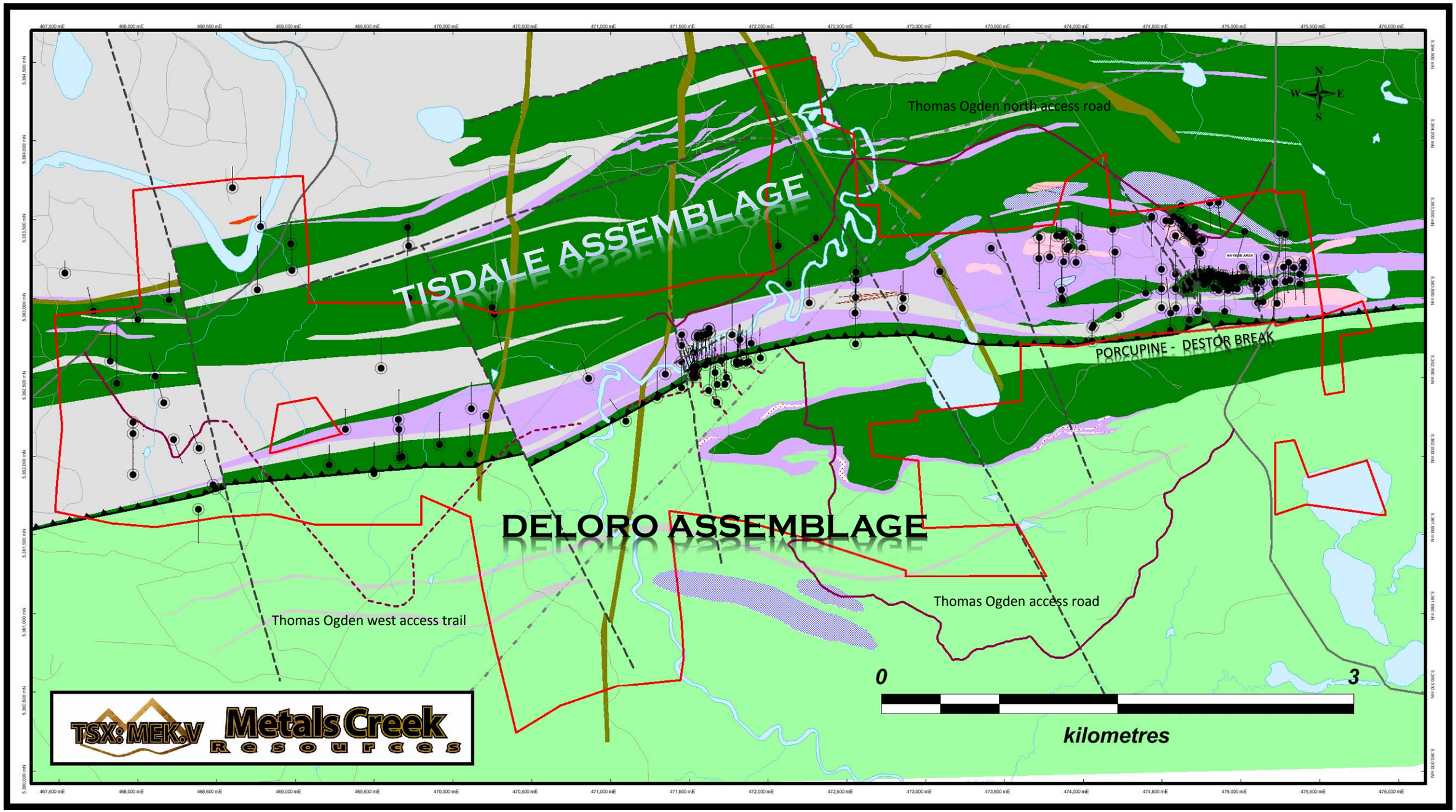
MAPS

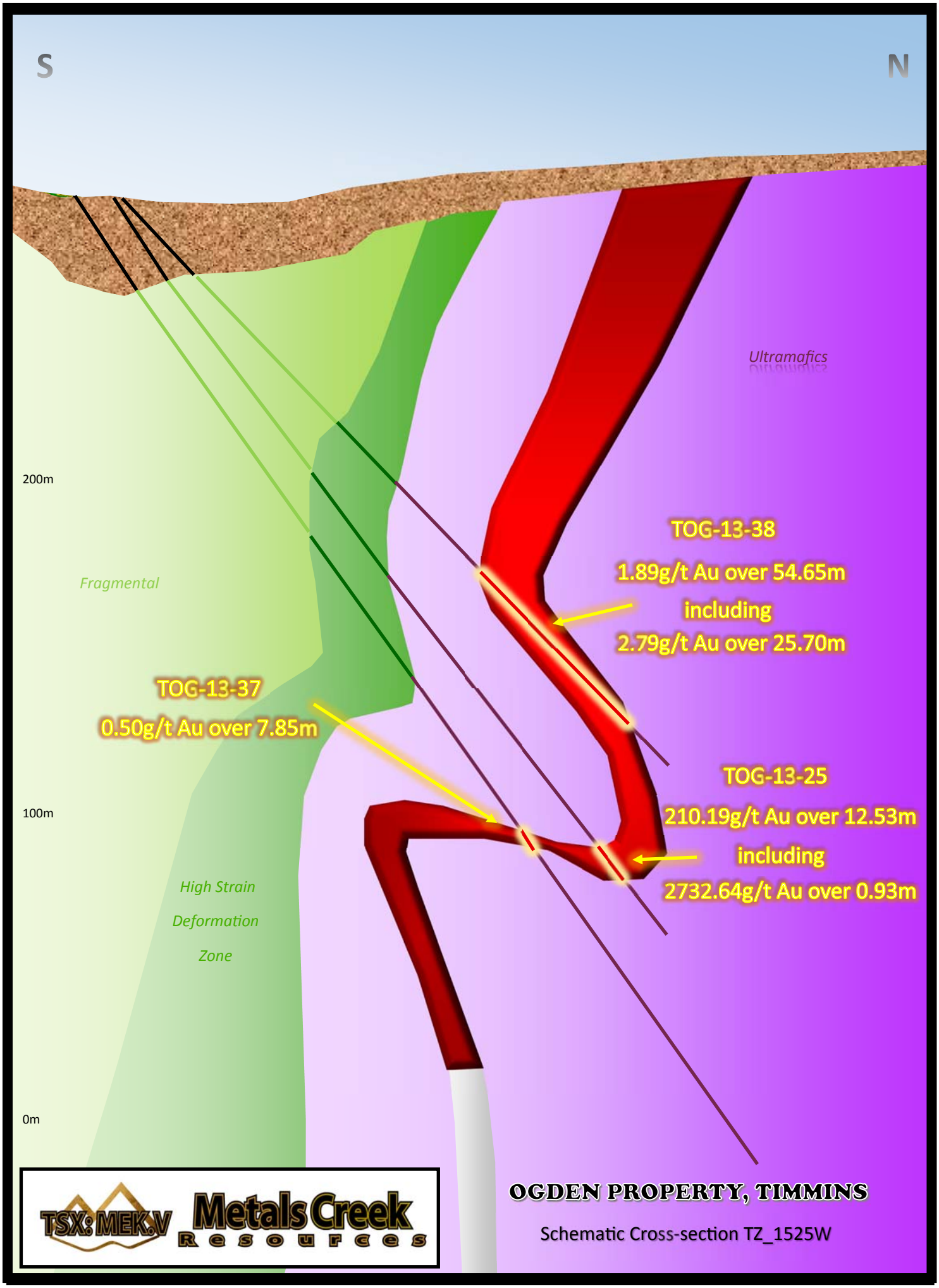

N
W
E
S
OGDEN PROPERTY
TIMMINS
TSX:MEK.V
Metals Creek Resources
TISDALE
CITY OF TIMMINS
OGDEN PROPERTY
SOUTH ZONE
THOMAS OGDEN ZONE
OGDEN
DELORO
0
5
kilometres

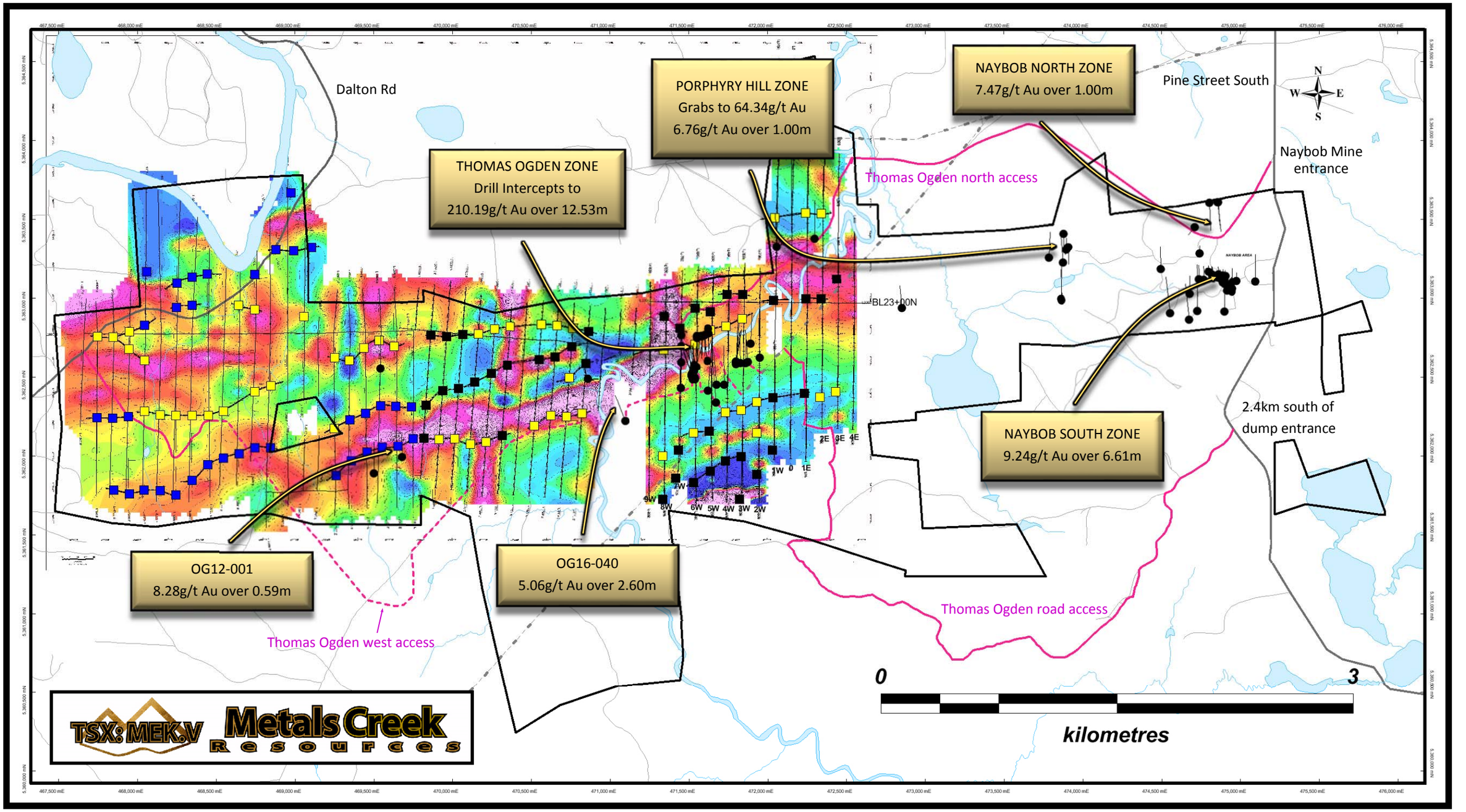

N
Dalton Road
Pine Street South
Timmins Landfill Site
3004000
3004001
3004002
P528921
P528919
P528918
P528815
P528814
P528812
P528917
P528816
P528813
P528920
P528916
P528915
P528817
1220102
122782
3001492
1180855
PP25
P6465
3004028
PP26
PP24
P8459
P16063
P16062
P8061
P8060
HR939
HR938
HR937
P8383
P8381
ME47
PP21
P11483
P8852
P8595
P8594
HR1008
HR1007
P8555
PP22
P8384
P9044
P8948
P8949
P11344
1227997
1227996
HR1136
HR1135
P8795
P19145
P26408
TRP1995
TRP1407
1220101
1227999
1227998
P37705
P19147
P19144
P19143
1228000
P26259
P26258
P26257
P20074
P20073
Unpatented mining claims
Leased claims
Patented claims
CLAIM DISTRIBUTION MAP
TSX: MEK.V
Metals Creek
Resources


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
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
0
1
2
kilometers
TSX: MEK.V
Metals Creek
Resources


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


S
N
Ultramafics
200m
TOG-13-38
1.89g/t Au over 54.65m
including
2.79g/t Au over 25.70m
Fragmental
TOG-13-37
0.50g/t Au over 7.85m
TOG-13-25
210.19g/t Au over 12.53m
including
2732.64g/t Au over 0.93m
100m
High Strain
Deformation
Zone
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

THOMAS OGDEN – 2016 DRILLING

CLAIM BOUNDARY

N

UNTESTED IP

TOG-16-47
2.25g/t Au over 22.09m
incl.
5.73g/t Au over 8.20m

TOG-16-48
4.39g/t Au over 12.45m

TOG-16-50
0.46g/t Au over 4.82m

TOG-16-46
2.14g/t Au over 2.58m
TOG-16-45
0.32g/t Au over 2.45m

TOG-16-42
1.71g/t Au over 5.52m
TOG-16-43
1.15g/t Au over 4.12m

TOG-16-52
0.31g/t Au over 46.00m
TOG-16-51
0.64g/t Au over 2.00m

TOG-16-49
1.64g/t Au over 3.30m

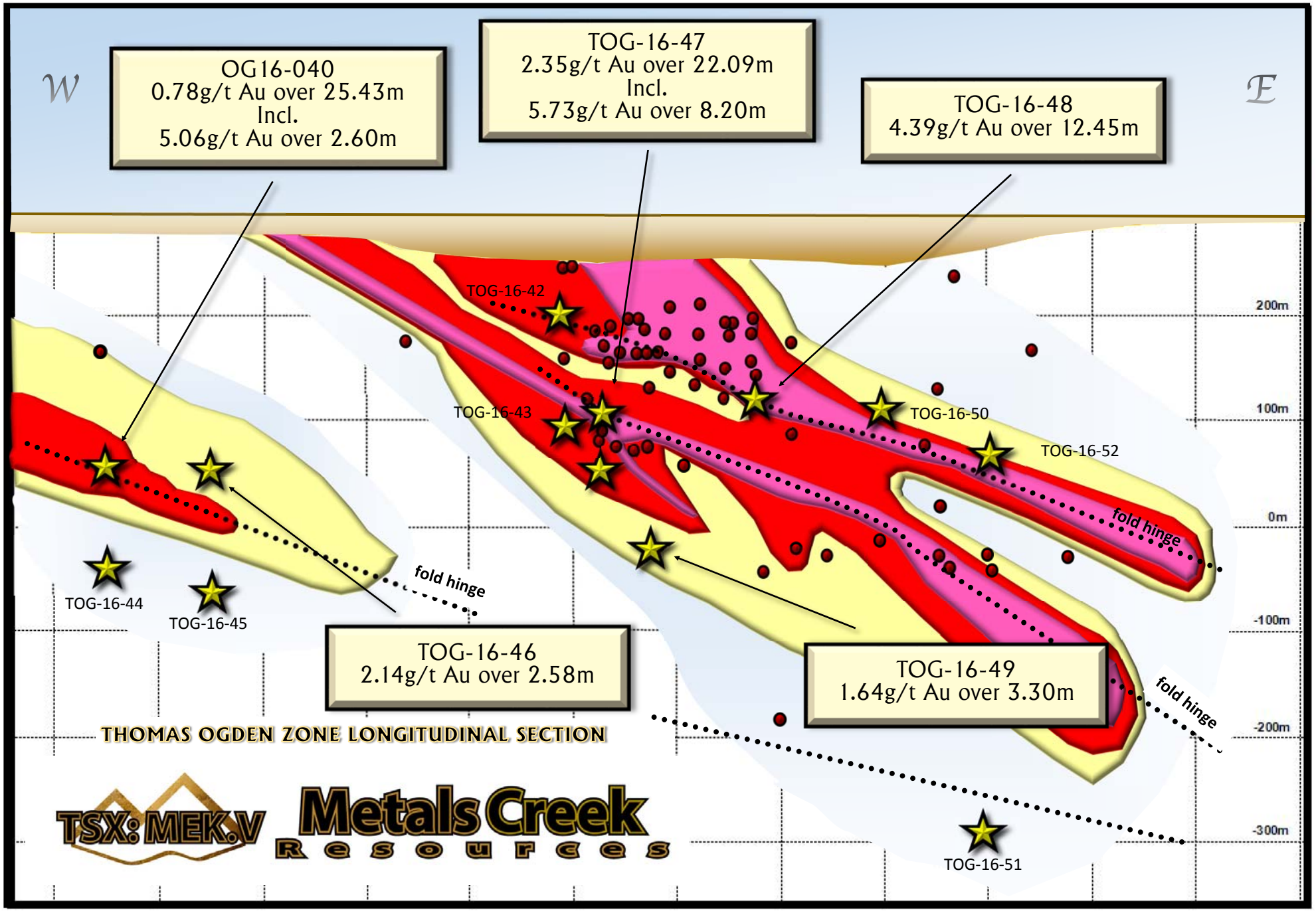
TOG-16-44
No Significant Results

OG16-040
0.78g/t Au over 25.43m
incl.
5.06g/t Au over 2.60m

Patents

PORCUPINE-DESTOR BREAK

0 250 500 1000
meters


W
E
OG16-040
0.78g/t Au over 25.43m
Incl.
5.06g/t Au over 2.60m
TOG-16-47
2.35g/t Au over 22.09m
Incl.
5.73g/t Au over 8.20m
TOG-16-48
4.39g/t Au over 12.45m
TOG-16-42
TOG-16-43
TOG-16-50
TOG-16-52
fold hinge
TOG-16-44
TOG-16-45
fold hinge
TOG-16-46
2.14g/t Au over 2.58m
TOG-16-49
1.64g/t Au over 3.30m
fold hinge
200m
100m
0m
-100m
-200m
-300m
TOG-16-51
THOMAS OGDEN ZONE LONGITUDINAL SECTION
TSX: MEK.V
Metals Creek
Resources

APPENDIX III

DRILL LOGS

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	P8795			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Trouble sinking casing through boulders. Casing was pulled so survey picked up UTM and elevation data only from hole in the ground.
HOLE NO.:	OG16-040	LENGTH (m):	330.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362213.840	EASTING:	471090.600	COLLAR SURVEY BY: Talbot Surveys	
SECTION:	TZ_2050W	ZONE:	Thomas Ogden	ELEVATION (m):	281.910	DRILLING COMPANY: Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	224. / -58.0	SURVEYED:	1.000 / -1.000	DATE LOGGED: Feb. 19, 2016 TO Feb. 21, 2016	Core Storage: Norex compound
HOLE STARTED:	February 17, 2016	HOLE FINISHED:	February 20, 2016	MAG:	10.75º w	LOGGED BY: D.Heerema	Page 1 of 8

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	SAMPLES %Py	SAMPLES %Ars	ASSAYS Pd (g/t)	ASSAYS Pt (g/t)	ASSAYS Au (g/t)	ASSAYS Cu (%)	ASSAYS Ni (%)	ASSAYS Co (%)	ASSAYS Zn (%)	ASSAYS Ag (ppm)
0.00	37.00	**OVERBURDEN** Lots of boulders sitting on top of extremely blocky ground so hard to distinguish the actual bedrock/overburden interface.																
37.00	174.53	**INTERMEDIATE TUFF** Upper portion of the unit to 53.60m is extremely fractured and blocky with only 20% of the core exceeding 10cm in length and could very well be construed as a brittle fault zone. Gravel to 2cm angular pieces very common with what appear to be odd spots of soft clay gouge. Some pitting of dissolved minerals evident; strongest evidence of the last 4m. Hematization common on fracture faces with very weak and local rust. Ground water movement likely. Below 53.60 to 67.20m the unit becomes much more competent with local areas of heavy fracturing. The rock is green chlorite altered with a moderate speckled tuffacous texture and weak pervasive hematization. Occasional orange/pink altered fragments as well as narrow, cream to soft orange altered aphanitic bands. Hematized fracture faces common. Unit cut by thin 1-2mm white to cream calcareous stringers often with hematized alteration halos. Foliation or weak banding of unit at 45-50 degrees tca. Could be a clast poor fragmental.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG16-040

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

Below 67.20m the rock becomes a more homogenous unit with weak to moderate k-spar/hematization causing a slight orangish colouration. More pronounced chlorite grains causing a well developed speckled texture. Hematized fracture faces. Foliation variable from 35-55 degrees tca.

78.30 - 84.03m: extremely fractured section with hematized fractures sub-parallel tca. These fractures along with the natural joint set of the rock makes this interval very blocky.

Below 107.80m the unit becomes more deformed and altered. Numerous stringers and irregular quartz/calcite veinlets cut the unit at random angles. Tight folds evident. Common throughout also, are white quartz/calcite porphyroblasts. The foliation is stronger and steepening slightly downhole; the foliation angle at 138m is 45-50 but 60-65 by 168m. Alteration has increased as a result of the deformation and consists of weak-moderate hematization with chlorite-sericite and local fe-carb. Fe-carb is associated with breaks and ground water.

112.80 - 112.90m: two breaks at 70 degrees tca with strong fe-carb alteration halos

123.20 - 123.41m: four breaks at 85 degrees tca with strong fe-carb alteration

142.54 - 142.67m: seam of ground rock with tremendous fe-carb staining over a 25cm section as well as increased hematization outside the fe-carb staining
-drillers have noted a seam where they lost water return
-breaks at 75 degrees tca (fault?)

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG16-040

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
174.53	238.73	**FRAGMENTAL**	qv		001	205.70	206.17	0.47	-	-			0.002					

Consisting of a green chloritic intermediate to mafic rock hosting a variable fragment content. The fragments are elongate and generally a soft green to cream colouration. Fragment contacts are moderately diffuse to approximately 211m where they come very distinct and the rock very fresh looking. Occasional k-spar alteration of fragments. Much more chloritic unit with little to no sericite or hematization as above. Only sericite alteration is approximately 1m on either side of the quartz vein noted below.

Below 211m to 226.30m the unit as a much more massive unit of mafic volcanics hosting well preserved fragments ranging from mm's to 7cm in diameter. The fragments are felsic, sub-rounded to elongate and cream/orange in colouration. Foliation is much weaker and at 85 degrees tca.

From 226.30 to 228.07m is a massive mafic flow

From 228.07 to 238.73m is a fragment rich section that is different in resemblance than above. This unit is a deep green chloritic groundmass containing 50% silicous to felsic fragments and shards with a stronger foliation and more elongate fragments. Sericite alteration within fragments and more common along fragment contacts. Banding has weakly developed and starting to resemble the 'chlorite schist' unit described in the main Thomas Ogden logs. Trace to minor pyrite.

205.70 - 206.17m: quartz vein at 77 degrees tca
-semi-transparent quartz with 6-7% clotty feldspar both white and soft pink/orange
-chloritic seams and in upper 9cm

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG16-040

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	SAMPLES %Py	SAMPLES %Ars	ASSAYS Pd (g/t)	ASSAYS Pt (g/t)	ASSAYS Au (g/t)	ASSAYS Cu (%)	ASSAYS Ni (%)	ASSAYS Co (%)	ASSAYS Zn (%)	ASSAYS Ag (ppm)
		-trace to minor black tourmaline -appears barren of pyrite																
238.73	282.72	**ULTRAMAFIC** Extremely foliated unit of variably altered ultramafics. Alteration consists of serpentine and talc with weak chlorite and local patches of grey to olive green carbonate. Well banded unit with white felsic segregations forming thin 1-3mm bands parallel to foliation averaging 40% of unit. Bands exhibit tremendous crenulations and local folds. Areas of the unit appear to have been brecciated from severe deformation. Foliation angles vary from 80 degrees to sub-parallel tca and local porphyroblasts and strain shadows not uncommon. Banding/foliation cross-cut by late black chlorite features that locally off-set bands. VG located at 282.43m. Cluster of 4 flakes. Trace to minor disseminated pyrite within the harder carbonate altered sections with tight ribboning at 5-10 degrees tca. Upper contact sharp but broken and blocky, lower sharp at 50 degrees 258.90 - 259.50m: white bull quartz vein with undulating contacts 281.13 to 282.72m: strong sericite and carbonate altered with some quartz marbling weak albitization approaching the bottom. Minor disseminated pyrite in strongest silicification and alteration described. The last 18cm of the unit is well banded with dark serp/talc and olive green carb with minor green fuchsite. Associated with the fuchsite alteration is pyrite mineralization.	um		002	248.00	249.00	1.00	<0.25	-			0.002					
			um		003	279.72	280.72	1.00	tr	-			0.273					
			um		004	280.72	281.72	1.00	tr	-			1.857					
			um		005	281.72	282.72	1.00	0.5	-			6.959					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG16-040

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	SAMPLES %Py	SAMPLES %Ars	ASSAYS Pd (g/t)	ASSAYS Pt (g/t)	ASSAYS Au (g/t)	ASSAYS Cu (%)	ASSAYS Ni (%)	ASSAYS Co (%)	ASSAYS Zn (%)	ASSAYS Ag (ppm)
282.72	299.20	**CONGLOMERATE** The majority of the unit is a blonde unit of strong yellowish sericite alteration with chlorite and weak albitization. The unit is moderately to strongly banded as a result of wispy to stringer sericite. The alteration is variable with some places undergoing stronger silicification than others resulting in a cream/grey/yellow colouration and stronger quartz flooding. The unit is clast rich with clasts well stretched and elongate. The clasts tend to be felsic with strong bleaching and very fine sericitization. Mafic/ultramafic clasts are now fuchsite wisps and clots present between 289.96 and 290.40m. Fine green fuchsite present below 296.70m. Present throughout the unit are tiny 0.5 -1.5mm round clear quartz porphyroblasts with a much higher content in areas of stronger sericite banding and foliation. 294.24 - 294.32m: an aphanitic black section of mineralized argillite that appears to lie between two different conglomerate units. From 294.32 to 296.90m is a very quartz-rich silicous section of semi-transparent quartz and white feldspars hosting few remnant pebbles. The unit resembles more of a quartzite. Very fine quartz porphyroblasts with strain shadows. Bleaching with weak albitization locally. The unit has been disrupted by mm to cm scale movements along healed micro-structures. Unit also cut by late white quartz stringers and veinlets to 1cm wide. Some irregular stringers of rusty coloured material (sph??). Pyrite mineralization as fine disseminations throughout averaging 4% with areas of 10% over 2cm. At 295.88m is a cross-cutting quartz stringer with coarse euhedral arsenopyrite growth to 2mm long. From 296.22 to 296.31m is a green fuchsite-rich carbonate	congl		006	282.72	283.32	0.60	<1	-			7.216						
			congl		007	283.32	284.32	1.00	<1	-			0.364						
			congl		008	284.32	285.32	1.00	<1	-			0.258						
			congl		009	285.32	286.32	1.00	<1	-			0.005						
			congl		010	286.32	287.32	1.00	<1	-			0.002						
			congl		011	287.32	288.32	1.00	<1	-			0.017						
			Blank		012	288.32	288.32	0.00					0.002						
			congl		013	288.32	289.32	1.00	tr	-			0.181						
			congl		014	289.32	290.32	1.00	tr	-			0.853						
			congl		015	290.32	291.32	1.00	tr	-			0.019						
			congl		016	291.32	292.32	1.00	tr	-			0.061						
			congl		017	292.32	293.32	1.00	0.5	-			0.043						
			congl		018	293.32	294.32	1.00	0.5	-			0.096						
			congl		019	294.32	295.10	0.78	0.5	-			0.080						
			congl		020	295.10	296.00	0.90	<1	tr			0.835						
			congl		021	296.00	296.90	0.90	<1	-			0.387						
			congl		022	296.90	298.10	1.20	<0.5	-			0.289						
			congl		023	298.10	299.20	1.10	<0.5	-			0.095						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG16-040

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		seam. Core angles are at 50 degrees tca at upper and lower contacts but steepen slightly to 70-75 degrees around 285m.																
299.20	306.15	**FELSITE** Grey to brownish colored material that is extremely quartz rich and resembles marble. It consists of 65% grey quartz, 30% altered feldspars and 5% chlorite and fuchsite as wisps and fine stringers. Weak faint epidote alteration. Foliated and homogenous with diffuse alteration. Older set of white/semi-transparent quartz veinlets with moderate contacts throughout that have been cut by few younger quartz veins. Pyrite mineralization disseminated throughout averaging 2-3% with occasional weak pyrite stringer.	fel		024	299.20	300.20	1.00	3	-			0.323					
			fel		025	300.20	301.20	1.00	2	-			0.305					
			Standard		026	301.20	301.20	0.00					0.853					
			fel		027	301.20	302.20	1.00	3	-			0.283					
			fel		028	302.20	303.20	1.00	3	-			0.233					
			fel		029	303.20	304.20	1.00	4	-			0.320					
			fel		030	304.20	305.20	1.00	4	-			0.244					
			fel		031	305.20	306.15	0.95	3	-			1.597					
306.15	307.50	**INTERBEDDED WACKE AND ARGILLITE** This altered section is a mixed assemblage of wacke, conglomerate and argillite. The upper 42cm is extremely albite altered wacke with a brown colouration. This section has grey quartz flooding as well as some late white quartz stringers; some fine disseminated pyrite at <1%. A narrow seam of banded conglomerate from 306.61m to 306.70m. Banded with fuchsite and weak sericite amongst a gritty grey groundmass with remnant stretched pebbles. From 306.70 to 307.10m is a well albitized section of wacke with some minor quartz flooding. Pervasive beige/brown colouration.	int seds		032	306.15	306.85	0.70	<0.5	-			0.214					
			int seds		033	306.85	307.50	0.65	tr	-			0.029					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG16-040

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		307.10 to 307.40m is a moderate to well altered wacke/arg with fuchsite banding more pervasive fine fuchsite/yellow carb alteration with minor silicification.																
307.50	315.71	**ARGILLITE** Fine-grained and well preserved silt-mudstones that show exceptional graded bedding. The unit consists of repetitive cm-scale beds of fine grey silts to black aphanitic mud tops. Graded bedding fines downhole (younging to the northwest). Bedding angles start at approx 75-80 degrees tca and shallow to 45-50 degrees by the bottom of the unit. Weak fine-grained chlorite alteration from 311.30 to 312m causing a buff green colouration. Thin semi-transparent/white quartz/felds stringers intrude the bedding to 313m where they become non-existent. As a result of the fine quartz structures, the beds become slightly disturbed with tiny crenulations etc. Below 313m the beds are very well preserved with little disturbance or deformation. Pyrite mineralization as small blebs associated with quartz structures in upper portion of the unit. Below 313m, the pyrite grains are very fine growths mainly within the siltier beds. Pyrite mineralization is strongest below 313m averaging 1 - 1.5%.	arg		034	307.50	308.50	1.00	0.5	-			0.022					
			arg		035	308.50	309.50	1.00	0.5	-			0.002					
			arg		036	309.50	310.50	1.00	0.5	-			0.007					
			arg		037	310.50	311.50	1.00	0.5	-			0.002					
			Blank		038	311.50	311.50	0.00					0.002					
			arg		039	311.50	312.50	1.00	0.5	-			0.002					
			arg		040	312.50	313.50	1.00	0.75	-			0.002					
			arg		041	313.50	314.60	1.10	0.75	-			0.002					
			arg		042	314.60	315.71	1.11	0.75	-			0.009					
315.71	319.90	**MAFIC DIKE** Upper 45cm is silicified as it has been flooded by late white quartz veinlets with associated green chlorite. Clots of coarse-grained pyrite grains present up to 1.5cm in diameter. The main portion of the dike is a deep grey/black colour and massive. Very faint fabric evident. Consists of approximately 60% fine mafics, 48% fine plag and 2% pyrite.	M.Dk		043	315.71	316.30	0.59	2	-			0.005					
			M.Dk		044	316.30	317.50	1.20	2	-			0.008					
			M.Dk		045	317.50	318.70	1.20	2	-			0.002					
			M.Dk		046	318.70	319.90	1.20	2	-			0.002					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: OG16-040

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Four 1cm quartz veinlets at 70 degrees tca exist from 317.27 to 317.40m that have been truncated by a late hairline structure. Upper contact at approx 80 and lower is sharp at 15 degrees tca.																
319.90	322.02	**ULTRAMAFICS** Foliated serpentine-talc altered. Extremely soft. Well foliated at sub-parallel to ca.	um		047	319.90	321.00	1.10	tr	-			0.002					
			um		048	321.00	322.02	1.02	tr	-			0.002					
322.02	323.39	**MAFIC DIKE** Sharp upper and lower contacts at 45 and 60 degrees tca. Same as dike described above.	M.Dk		049	322.02	323.39	1.37	1.5	-			0.006					
323.39	330.00	**ULTRAMAFICS** Extremely soft; serpentine-talc altered with a waxy feel. Cross-cut by moderate (15-20%) white felds stringers and week bands. Well foliated.	um		050	323.39	324.39	1.00	tr	-			0.002					

Printed: December-14-16

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	P8384			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Casing remains and capped.
HOLE NO.:	TO16-042	LENGTH (m):	192.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362519.310	EASTING:	471518.910	COLLAR SURVEY BY: Talbot Surveys	
SECTION:	TZ_1537W	ZONE:	Thomas Ogden	ELEVATION (m):	283.940	DRILLING COMPANY: Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	338. / -45.0	SURVEYED:	333.180 / -45.050	DATE LOGGED: Feb. 16, 2016 TO Feb. 17, 2016	Core Storage: Norex compound
HOLE STARTED:	February 15, 2016	HOLE FINISHED:	February 16, 2016	MAG:	10.75º w	LOGGED BY: D.Heerema	Page 1 of 6

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	28.20	**OVERBURDEN**																
28.20	64.70	**INTERMEDIATE TUFF** Upper portion of the unit to 45.40m is sericite and fe-carb altered with weak hematization causing a slight purplish hue to the rock. Weak to moderately foliated producing a fabric at 75 degrees tca. Speckled tuffacous texture with approx 25-30% chlorite grains throughout. The sericite is in the form is thin wisps and weak bands where as the fe-carb is in clots and crude bands parallel to fabric. The clots are commonly associated with quartz porphyroblasts. From 45.40 to 55.29m is a darker more mafic section of deep green chlorite alteration. More massive texture. Rubbly upper contact but fairly sharp lower contact at 50 degrees tca. From 55.29 to 64.70m is similar to start of hole with moderate sericite/carb wisps to bands and some porphyroblastic quartz/carb. Weak hematization deep in the unit approaching the lower contact. Numerous 5-10cm fracture zones exhibiting evidence of dissolved minerals and possible ground movement.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-042

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		37.78 - 38.20m: fault zone with weak gouge -mainly blocky -breaks at 75-85 degrees tca 46.30 - 47.62m: fault zone at approx 85 degrees tca -extremely blocky with sections of fine gravel size material -pitting of dissolved minerals common 49.92 - 49.94m: break with rough dissolved fracture faces																
64.70	87.86	**FRAGMENTAL** The majority of the unit is the typical fragmental consisting of a green/grey chlorite groundmass containing elongate sub-angular to sub-rounded fragments. The fragments vary from 2-3mm to 3-4cm in width and are generally a cream/beige colour to local orangish. The fragment size is generally 1cm in size and comprise approx 50% of unit. Fragments become harder to see below 77m where an increase in tectonism has produced a stronger foliation with associated sericite wisps and banding. Below 81.40m the unit becomes a sericite/chlorite schist with strong wisps and bands of soft cream/green sericite amongst deep green chlorite with moderate porphyroblastic white quartz/felds. Clotty fe-carb locally. Orientation of foliation is 85 degrees tca at end of unit. Sharp lower contact.																
87.86	99.20	**CHLORITE SCHIST**																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-042

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		The upper portion to 90.61m is more massive in texture with a weak speckled appearance and weak purplish/violet k-spar alteration. This is typically seen between the chlorite schist and adjacent fragmental/tuff unit. Below this, the unit becomes a very dark green chlorite rich unit with a foliation at approx 85 degrees to ca. The unit is moderately banded by thin felsic segregations parallel to foliation that exhibit weak crenulations and folds. Patchy fe-carb alteration associated with late quartz stringers. Minor disseminated pyrite sporadically dispersed.																
99.20	152.40	**ULTRAMAFICS** Strongly serpentine/talc altered showing very strong deformation. Heavy crenulations and folds present. Numerous small scale micro-faults evident that cross-cut the foliation. The foliation is variable but generally oriented at 70-80 degrees tca. Areas of what appears as brecciation as sub-rounded ultramafics are encased in a white stockwork-like matrix. Olive green carbonate alteration dominates the last 4m of the unit. 104.46 - 105.00m: intermediate dike at 88 degrees tca -fine-grained and massive -grey to rust coloured as a result of fine fe-carb alteration -but by very shallow quartz stringers and veinlets -very sharp contacts -finely disseminated pyrite at 0.5% -a few coarse 2-3mm blebs of pyrite 115.27 - 115.48m: mafic dike at 70 degrees tca -narrow bleached chill margins 1-2mm wide -dark grey/black with 45% plag -diabase texture 126.09 - 129.00m: fault zone	I.Dk		001	104.46	105.00	0.54	0.5	-			0.025					
			um		002	151.40	152.40	1.00	-	-			0.007					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-042

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		-lots of washed gouge, but 50% of the clay gouge remains																
152.40	156.72	**INTERBEDDED GREYWACKE AND ARGILLITE** Moderately altered but well foliated. The argillites are finely bedded black silts/muds that have minor fuchsite/sericite wisps and bands. The majority of the unit is wacke that is buff grey and generally featureless in term of bedding. The rock has undergone chlorite alteration with weak sericite locally. A late cleavage is evident as hairline wispy black chlorite at 43 degrees tca. Bedding angles start at 55 degrees tca and shallow to parallel to ca by 153.80m before steepening up to 60 degrees tca by the both of the unit. Occasional late quartz veinlet from 0.6 to 1.8cm wide that cross-cut the core at steep angles >80 degrees. Porphyroblastic quartz with pressure shadows present between 153 and 154m. Trace pyrite at best. Relatively component unit.	arg/wack		003	152.40	153.50	1.10										0.007
			arg/wacke		004	153.50	154.60	1.10										0.002
			arg/wacke		005	154.60	155.70	1.10										0.002
			arg/wacke		006	155.70	156.72	1.02										0.049
156.72	163.47	**SILICIFIED ARGILLITE** This is a highly variable unit varying from well banded fuchsitic argillite to dull matt black/brown mineralized argillite to extremely silicous/albitized sections. The silicous/albitized material makes up approx 85% of the unit. Because of the alteration intensity, the original protolith and textures are undistinguishable. The rock is now a honey brown/beige colour with fine grey quartz that has been intruded and flooded by grey to white quartz stringers and veinlets. The alteration is albite/carbonate/sericite causing the colouration. A weak marbled texture might be the best way to describe the rock. The windows of more remnant argillite have undergone	sil arg		007	156.72	157.50	0.78										0.175
			sil arg		008	157.50	158.50	1.00										0.534
			sil arg		009	158.50	159.50	1.00										0.679
			sil arg		010	159.50	160.50	1.00										6.011
			Standard		011	160.50	160.50	0.00										3.104
			sil arg		012	160.50	161.50	1.00										0.581
			sil arg		013	161.50	162.50	1.00										0.727
			arg		014	162.50	163.02	0.52										1.693
			sil arg		015	163.02	163.47	0.45										0.340

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-042

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

moderate to strong sericite/fuchsite alteration locally associated with quartz flooding and pyritization. In places the bedding has been preserved well and the bedding now exhibits variable colours as a result of alteration types and intensities. Folding evident locally; 159.53m.
Tectonically the unit is quite complex. Minor hairline micro-faults show evidence of mm-scale right lateral movement that has all been intruded by late quartz/calcite veinlets. Strongest evidence of this is from 159.74m to 160.70m. Although pyrite mineralization is common with quartz flooding and stringers, the youngest quartz flooding event appears to be barren of mineralization.
Pyrite is the dominant sulphide with lesser arsenopyrite. The sulphides are found mainly as fine disseminations to fine blebs with stringers style more local and associated with quartz. The stringer mineralization is found mainly within the remnant argillite sections and not the extremely silicous material. Disseminations up to 5-6% in the silicous sections. The banded argillites contain 10% pyrite locally.

Breakdown of unit...

156.72 - 156.82m: banded argillite with 10% pyrite
156.82 - 157.95m: silicous section; trem alt'n and 2% pyrite
157.95 - 158.26m: banded argillite with 10% pyrite
158.26 - 159.49m: silicous section, trem alt'n and 3% pyrite
159.49 - 159.96m: banded argillite with 5-6% pyrite
159.96 - 160.88m: silicous section, trem alt'n and 4% pyrite
160.88 - 161.15m: banded argillite with 7% pyrite
161.15 - 161.37m: silicous section, trem alt'n 2% pyrite
161.37 - 161.75m: banded argillite with 2% pyrite + ars, beds at 60
161.75 - 162.50m: silicous section, trem alt'n and 2.5% pyrite and abundant quartz flooding

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-042

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		162.50 - 163.02m: banded argillite at 20 degrees tca with 8% py 163.02 - 163.47m: mixture of banded argillite and silicousness, core angles at 55 degrees tca, mod alt'n and 10% pyrite																
163.47	192.00	**ULTRAMAFICS** Upper 32cm of the unit has weak albite/carb alteration with associated fine pyrite at 0.25%. Below this, the unit becomes the typical ultramafics with strong serpentine and talc alteration with a waxy feel and soft. These ultramafics are not as banded and deformed as the um's above. Rocks are more massive with a local speckled appearance and what appears to be polysutured texture below 188.40m. 190.16 - 190.30m: fault zone at approx 20 degrees tca -extremely serpentine altered.	um		016	163.47	163.80	0.33					0.217					
			um		017	163.80	164.80	1.00					0.008					

Printed: December-14-16

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	P8384			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Casing remains and capped.
HOLE NO.:	TO16-043	LENGTH (m):	288.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362481.730	EASTING:	471524.920	COLLAR SURVEY BY: Talbot Surveys	
SECTION:	TZ_1537W	ZONE:	Thomas Ogden	ELEVATION (m):	284.560	DRILLING COMPANY: Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	339. / -52.0	SURVEYED:	335.070 / -52.880	DATE LOGGED: Feb. 12, 2016 TO Feb. 15, 2016	Core Storage: Norex compound
HOLE STARTED:	February 10, 2016	HOLE FINISHED:	February 15, 2016	MAG:	10.75º w	LOGGED BY: D.Heerema	Page 1 of 7

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	25.55	**OVERBURDEN**																
25.55	49.00	**FAULT/WEATHERED ZONE** Extremely blocky unit of what appears to be bleached and stained tuff/fragmental. The rock is a cream to brown colouration with very localized green chlorite hairline fractures. Orientation of the altered chlorite flakes is 75-85 degrees tca. The rock is extremely blocky with numerous seams of sand/clay gouge from mm to cm scale. Some rounded particles in a 5cm seam at 35.85 to 35.90m. Entire unit homogenous; exhibiting the same blockiness and seams with only 5% of the core exceeding 10cm in length. Lower contact based on increased competency and alteration.																
49.00	61.10	**FRAGMENTAL** Deeper green intermediate volcanic hosting 5-10% sub-angular cream coloured bombs and fragments. The matrix is an intermediate tuff with chlorite alteration. The fragments are generally 2-4cm in size with an elongate shape at 80 degrees tca. The fragments are cream to soft orange coloured.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-043

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

Hard, non-magnetic and unmineralized.
Strong pitting of dissolved minerals. Well fractured throughout.

61.10 129.74 **INTERMEDIATE TUFF**

Tuffacous unit has a speckled appearance as a result of 35% green chlorite flakes sitting within a more felsic groundmass. The groundmass is a cream to pinkish to purplish colouration as a result of hematization. Rust coloured fe-carb stringers locally; to 10%. Alteration is moderate to 84 60m before decreasing to a more green chloritic section to 92.00m. Strongest fe-carb alteration present from 103.70 to 108.00m with associated boudined and undulating quartz/carb stringers and veinlets. Below 108.00m the rock is well foliated at 55 degrees tca with strong chloritization and moderate sericite and hematization. Weakly silicous also and contains local quartz porphyroblastic stringers/veinlets. Occasional fragments evident. Much stronger deformation here than uphole.
Fabric at 85 degrees tca.
Rock is very competent with few breaks.

84.60 to 92.00m is a fragmental with sub-rounded silicous fragments

92.40 - 92.50m: fault at 87 degrees tca
-green chloritic gouge (most washed)

129.74 185.65 **CHLORITE SCHIST**

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-043

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

The upper portion of the unit to 133.85m is a moderately foliated and speckled recrystallized ultramafic with moderate hematization causing a purplish hue (Basal portion of flow?). Below 133.85m the unit becomes a deep green chlorite schist with very strong deformation. Unit is mainly chlorite with minor fuchsite locally until near the end of the unit where sections are mainly fuchsite. The unit contains approx 20% white feldspar stringers and bands that conform parallel to foliation. A younger assemblage of white quartz/felds stringers, veinlets and clots cross the unit at random angles tca. These features cross-cut the foliation and are well contorted and folded locally following later tectonism. Folding most prominent below 156m.
Core angles start at approx 40 degrees tca, shallowing to 15-20 degrees by 150m before steepening to 45 degrees by the end of the unit.
Pyrite sporadic throughout up to 0.5% locally.
Rock is fairly competent.

146.92 - 147.42m: silicous section with smokey to semi-transparent quartz and 2-3% pyrite as fine cubes and disseminations. Lower contact at 35 degrees tca contains a narrow 1-3mm seam of semi-massive pyrite

166.25 - 168.80m: fuchsite dominant alteration with felsic banding at 35%. Brilliant green colouration. Foliation orientation of 45 degrees tca.

168.80 - 185.65m: carbonate altered section of olive green to brown/grey carbonate with very weak fuchsite. Core angles are all over and tectonism is very strong: especially between 168.80 and 175m. Cross-cutting the original foliation are thin hairline to 2mm thick wavy and dark soft serp/chl micro-faults that show very small displacements of the original foliation. Small scale drag folds and truncations of banding is evident showing right-

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-043

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		lateral movement along these structures in the order of mm's. These features are very abundant; often spaced 1cm apart and oriented at 40-45 degrees tca.																
185.65	225.93	**ULTRAMAFICS** Softer unit of serpentine alteration with minor chlorite and localized areas of more carbonate alteration. This unit is a deep green/blue/black colouration with white stringers and bands of felsic segregations. Bands and stringers at approx 15-20% overall and often exhibit crenulations and folds. Soft and easily scratchable. Below 208.30m the unit becomes harder and more green to grey carbonate altered with local fuchsite. The rock has a hazy/buff appearance. Foliation is steepening to 75 degrees by the base of the unit. Minor pyrite with exception of last 25cm with pyrite to 4%. Last 30cm of the unit contains minor sericite along with chlorite and very weak yellow wispy carbonate. 190.96 - 191.36m: mafic dike (Diabase) -upper and lower contacts at 45 and 60 degrees tca resp. -deep grey colouration -50% fine feldspar -massive texture -<1% cubic pyrite 197.70 - 197.74m: fault at 45 degrees tca 203.30 - 203.58m: fault -both contacts ground so no orientation known 224.84 - 224.90m: fault at 75 degrees tca	um		001	219.00	220.00	1.00	tr	-			0.010					
			um		002	222.93	223.93	1.00	-	-			0.014					
			um		003	223.93	224.93	1.00	tr	-			0.079					
			um		004	224.93	225.93	1.00	2	-			0.904					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-043

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
225.93	226.29	**FELSITE** Extremely silicous unit with a marbled appearance. The unit is mainly grey quartz with buff feldspar that has albite alteration over the upper 2cm and lower 10cm of interval with a slightly browner colouration. Fairly massive with a weak fabric evident over bottom 10cm. Occasional late barren quartz stringer and veinlet (2mm) cutting the unit. Extremely hard rock. Well mineralized by 3% disseminated anhedral pyrite with weak clusters locally of pyrite	fel		005	225.93	226.29	0.36	3	-			5.841					
226.29	229.05	**GREYWACKE** Well altered unit of wacke with strong silicification in places. The rock is a dull grey to pinkish colouration with local beige and olive green patches. The alteration is quite variable. Carbonate to silicified to moderately albitized. Generally featureless with a foliation at 60 degrees tca. The unit is cross-cut by thin hairline to narrow 1-3mm quartz stringers and veinlets that appear to have two different ages; a younger set crossing a slightly older set. All relatively barren of pyrite. Pyrite mineralization throughout as disseminations and occasional weak stringer...strongest pyrite is associated with areas of strongest silicification. Overall pyrite content is approximately 2% with areas up to 4% over 30cm.	wacke		006	226.29	227.29	1.00	1.5	-			0.634					
			Blank		007	227.29	227.29	0.00					0.002					
			wacke		008	227.29	228.29	1.00	2.5	-			0.645					
			wacke		009	228.29	229.05	0.76	1.5	-			0.571					
229.05	229.50	**ULTRAMAFICS** Foliated and moderately olive-green carbonate altered. Foliated at 60 degrees tca with sharp contacts. Trace pyrite.	um		010	229.05	229.50	0.45	tr	-			0.290					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-043

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
229.50	233.20	**FELSIC DIKE** This unit might possibly be a dike or an extremely altered and silicified section of ultramafic. The rock is a honey brown to beige/brown colour with a massive texture. The alteration is pervasive albite/honey brown carbonate that is homogenous throughout with slightly different degrees to silicification. The unit is cut by moderate to heavy late stringers and veins (to 8cm) of white to semi-transparent quartz/calcite and some clotty chlorite. Occasional stand alone chlorite stringers. The chlorite and quartz/chlorite structures appear to be the youngest set of structures and barren. The chlorite stringers are cross-cutting older quartz stringers and veinlets with mm-scale right lateral movements. The unit contains finely disseminated pyrite throughout from trace to 0.5% locally. The strongest and coarsest pyrite is associated with late white/grey quartz stringers. Upper contact is both sharp and diffuse as you observe the core fully. The lower contact is sharp. However, the adjacent ultramafics downhole have weak alteration of the same type and same texture features.	sil		011	229.50	230.50	1.00	0.5	-			0.075					
			sil		012	230.50	231.50	1.00	0.5	-			0.040					
			Standard		013	231.50	231.50	0.00					1.466					
			sil		014	231.50	232.40	0.90	0.75	-			0.104					
			sil		015	232.40	233.20	0.80	0.75	-			0.157					
233.20	288.00	**ULTRAMAFICS** Upper 20cm of the unit has weak albite/carb alteration with associated fine pyrite at 0.25%. Below 233.40m the unit becomes the typical ultramafics with strong serpentine and talc alteration with a waxy feel and soft. These ultramafics are not as banded and deformed as the um's above. Rocks are more massive and speckled with slightly more fracturing below 265m. Below 279.28m the unit appears polysutured with narrow brown biotite seams (<1mm).	um		016	233.20	234.20	1.00					0.593					
			um		017	234.20	235.20	1.00					0.030					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-043

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

233.86 - 234.00m: coarse cubic pyrite associated with quartz/calcite flooding
-cubes to 1.2cm in diameter

250.50 - 250.87m: fault at 35 degrees tca

265.86 - 268.31m: fault
-remnant gouge over upper 60cm
-upper contact at 23 degrees tca
-lower contact 65 degrees tca

287.00 - 287.10m: massive white calcite vein at 40 degrees tca

End of Hole

Printed: December-14-16

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	P8795			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Casing remains in the ground and capped. Lost water return somewhere in the first 118m.
HOLE NO.:	TO16-044	LENGTH (m):	476.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362153.810	EASTING:	471097.180	COLLAR SURVEY BY: Talbot Surveys	
SECTION:	TZ_2050W	ZONE:	Thomas Ogden	ELEVATION (m):	282.120	DRILLING COMPANY: Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	333. / -60.0	SURVEYED:	328.200 / -60.100	DATE LOGGED: May. 03, 2016 TO May. 06, 2016	Core Storage: Norex compound
HOLE STARTED:	May 02, 2016	HOLE FINISHED:	May 05, 2016	MAG:	10.75º w	LOGGED BY: D.Heerema & M.MacIsaac	Page 1 of 11

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	SAMPLES %Py	SAMPLES %Ars	ASSAYS Pd (g/t)	ASSAYS Pt (g/t)	ASSAYS Au (g/t)	ASSAYS Cu (%)	ASSAYS Ni (%)	ASSAYS Co (%)	ASSAYS Zn (%)	ASSAYS Ag (ppm)
0.00	23.48	**OVERBURDEN** A couple of small boulders of granite and ultramafics sitting on top of the bedrock.																
23.48	269.55	**TUFF** Moderately to well foliated unit of speckled tuff with a soft to dark green colouration. The unit is generally fairly homogenous with local areas of increased alteration. The unit is green as a result of chlorite alteration along with minor sericite and more localized sections of fe-carbonate. A fabric is evident at grains tend to be aligned at approximately 45 degrees tca with areas of porphyritic texture and associated strain shadows. No visible sulphides. The core is fairly competent with few breaks with exception of local areas. Some pitting and dissolved minerals between 26.64 and 29.20m associated with a few breaks 30.70 - 30.90m contains 5% semi-transparent quartz porphyroblasts with some containing brown fe-carbonate 41.36 - 43.85m: intermediate dike at 40 degrees tca -fine-grained with a weak fabric -grey with a weak hematized purplish colour with some carb in	tuff		001	54.90	55.77	0.87	tr	tr			0.002					
			tuff		002	141.87	142.70	0.83	0.75	-			0.011					
			tuff		003	142.70	143.50	0.80	0.5	-			0.008					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-044

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

upper 35cm
-very blocky and broken unit
-no evident sulphide mineralization

44.69 - 45.70m: section is pitting and dissolved minerals in an extremely chlorite rich, deep green section.

54.90 - 55.70m: is a section of intense albitization and fine sericite with gradational contacts. This alteration is so strong that this section is now a soft pink colour with fine yellow/green sericite.
Six thin 1-3mm white quartz stringers cross this alteration patch; one containing a 2x4mm bleb of fine pyrite and a couple very tiny needles of arsenopyrite

72.80 - 73.29m: boudinaged quartz vein approximately 4cm in true width at 20 degrees tca

86.14 - 86.20m: broken rubbly area (possible fault)

109.15 - 109.28m: irregular quartz stringers with deep red hematite clots

110.14 - 110.32m: ground up brittle fault at approx 65 degrees tca
-minor hematization

135.70 - 136.10m: pervasive fe-carb alteration associated with breaks between 135.90 and 136.05m that might represent a fault
-obvious groundwater movement

141.87 - 143.50m: a section of increased foliation, silicification, sericitization and fine spotted yellow carb. Evidence of weak

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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

folding. Fine disseminated to coarser cubic present throughout averaging 0.5 - 0.75%. Upper contact at approx 80 degrees tca with hematized quartz flooding; lower contact at 15 degrees tca.

147.38 - 147.42m: brittle fault at 85 degrees tca

Below 176m to 192.40m the unit undertakes a more segregated/brecciated appearance with soft green felsic sections divided by dark green mafic material. Occasional felsic fragments but not enough to call a fragmental. Felsic ash material is very fine-grained and silicous locally.

Below 192.40 to 207.35m the unit becomes a pervasive chlorite altered and foliated tuff like uphole. Generally featureless.

From 207.35 to 245.55m the unit becomes much more strained with localized folds in secondary quartz/calcite/hematite stringers and veinlets. The rock is a green/deep red/purple colour as a result of hematization and increased sericite/yellow carbonate alteration in the form of weak bands and wisps. Abundance of quartz/hematite porphyroblasts (10-15%) with weak strain shadows. Occasional hematite stringer crossing the foliation; foliation of the unit is 55-60 degrees tca. Trace pyrite locally.

Heavy fracturing between 227.13 and 229.0m with the strongest between 227.80 and 228.15m. Possible fault zone

242.41 - 242.46m: quartz/calcite vein at 55 degrees tca

244.43 - 244.50m: fault at 45 degrees tca

After 245.55m the unit becomes the deeper green tuff as above. The foliation is shallowing slightly to 40-45 degrees tca.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-044

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

266.10 - 266.35m: brittle fault at 45 degrees tca
-numerous natural breaks with hematized fracture faces

269.55 279.35 **FRAGMENTAL**

Fine tuffacous unit containing elongate felsic fragments ranging in size from 1 to 5cm in diameter. The fragments are stretched parallel to foliation (40-45 degrees tca) with rounded edges. Fragments are cream coloured to soft green to locally orange and constitute for approx 30% of the unit. Gradational contacts of the unit.

279.35 346.87 **TUFF**

Same as the tuff unit above, green chlorite altered with areas of weak hematization. Moderate to strong competency with relatively few breaks. Increase in deformation as the foliation gets stronger and presence of quartz/felds porphyroblasts emerges. Chlorite alteration increases slightly as well. Foliation angle at 45 degrees tca. Lower contact somewhat subjective and based upon disappearance of tuffacous texture.

332.66 - 332.67m: 1cm quartz/tourmaline veinlet parallel to foliation at 45 degrees tca
-subhedral to euhedral black tabular tourmaline

346.87 356.00 **CHLORITE SCHIST**

Well foliated forming moderate banding with weak contorting and crenulations. Deep green chlorite with 60% white quartz/feldspar segregations. Foliation at 45 degrees tca.

352.38 - 352.55m: 5 natural breaks in tight proximity that might

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		represent at fault at 45 degrees tca.																
356.00	374.43	**ULTRAMAFICS** Top of the unit is the typical speckled and slightly more massive section with a pinkish hue as a result of hematization to 359.80. Below the speckled and weak porphyritic section, the ultramafics become a well banded to ribboned assemblage of serpentine/chlorite and minor talc with quartz/feldspar segregations. The white segregated material form thin 0.5mm to 1cm bands that are extremely contorted, folded and often truncated and off-set by numerous micro-faults. The high strain zone is host to numerous narrow white and semi-transparent quartz veins; some associated with green fuchsite. Pyrite mineralization is common at approx 0.25% throughout the highly strained material and not the more massive speckled material. The following are quartz veins... 361.72 to 361.82m, 362.86 to 382.96m, 364.82 to 364.97m and 365.51 to 366.18m	um		004	372.43	373.43	1.00	tr	-			0.002					
			um		005	373.43	374.43	1.00	tr	-			0.002					
374.43	375.60	**ARGILLITE** Fine dark grey to black unit of very finely bedded silts to muds. The unit for the most part is a deep grey colouration with local black graphitic mudstone. Weak silicification and pyrite mineralization over the first 20cm. Bedding angles start off at 80 degrees and shallow to 30 degrees and steepen back to 45 degrees tca by the end of the short unit.	arg		006	374.43	375.60	1.17	0.25	-			0.024					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
375.60	379.60	**GREYWACKE** Unit starts off as a gritty and poorly sorted assemblage with what appear as remnant stretched pebbles. This section is grey with weak silicification. Alteration increases gradationally at approx 376.08m to a very silicous section with a marbled appearance and yellowish white colouration. Sericite and weak albitization associated with the influx of quartz and silicification. Weak localized fuchsite evident fine wisps in the lower half of the unit. Two ages of secondary quartz stringers are evident, the older are narrow grey deformed features that host pyrite; the second are semi-transparent barren structures that cross-cut the foliation. Foliation is strong at 45 degrees tca. Pyrite mineralization is found throughout but strongest in content in areas of immense sericite/albite alteration (to 378m). The pyrite is in the form of irregular blebs and disseminations associated with the silicification as well as secondary narrow grey quartz stringers that show evidence of deformation as well.	wacke		007	375.60	376.60	1.00	0.5	-			0.129					
			wacke		008	376.60	377.60	1.00	1.5	-			0.177					
			wacke		009	377.60	378.60	1.00	0.25	-			0.197					
			wacke		010	378.60	379.60	1.00	tr	-			0.296					
379.60	407.10	**CONGLOMERATE** This unit is a heterogeneous unit based upon the amount and type of alteration. The unit appears to be a groundmass-rich/pebble poor unit, consisting of a poorly assorted sands containing approximately 2-5% pebbles and occasional cobble. Parts of the unit are very pebble poor and may be construed as wacke. The pebbles are generally felsic intrusive but there are some mafic to ultramafic clasts that suffer more deformation. Alteration of the unit is highly variable from essentially nothing to pervasive silicification and albitization that completely overprints original textures. The rock is generally a green to beige colour with sections of brownish albitization, others of strong green fuchsite and others of grey/beige albite/silicification. Very few secondary quartz/feldspar stringers cross the core.	congl		011	379.60	380.60	1.00	0.75	-			0.188					
			congl		012	380.60	381.60	1.00	tr	-			0.029					
			Blank		013	381.60	381.60	0.00					0.002					
			congl		014	381.60	382.60	1.00	tr	-			0.154					
			congl		015	382.60	383.60	1.00	tr	-			0.060					
			congl		016	383.60	384.60	1.00	tr	-			0.047					
			congl		017	384.60	385.60	1.00	0.25	-			0.090					
			congl		018	385.60	386.60	1.00	0.25	-			0.300					
			congl		019	386.60	387.60	1.00	tr	-			0.017					
			congl		020	387.60	388.60	1.00	tr	-			0.029					
			congl		021	388.60	389.60	1.00	tr	-			0.016					
			Standard		022	389.60	389.60	0.00					3.834					
			congl		023	389.60	390.60	1.00	tr	-			0.019					
			congl		024	390.60	391.60	1.00	tr	-			0.035					
			congl		025	391.60	392.60	1.00	tr	-			0.007					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n	SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Pyrite mineralization present throughout but not abundant with trace local fine arsenopyrite. Below is a breakdown by significant changes in texture or alteration... 379.60 - 382.55m: strong sericite and silicification with local patches of brown marbled albitization 382.55 - 385.20m: grey moderately altered section of abundant 1-2cm pebbles 385.20 - 386.50m: a grey more massive and pebble-poor wacke looking section that is perhaps a top to the more pebble dominant basal portion of the bedding 386.50 - 389.90m: a grey/cream/yellow section of pervasive silicification, sericite and albitization that has over-printed all original textures, occasional wisp and clot of fuchsite, trace pyrite 389.90 - 390.90m: pebble and cobble rich section of approx 50% pebbles in a coarser sand groundmass rich in fuchsite alteration. Blebby pyrite 390.90 - 395.35m: very dull and moderately chlorite-sericite-fuchsite altered section containing very few pebbles making this more of a wacke. Foliation prevalent at 55 degrees tca. 395.35 - 398.25m: more pervasive silicification and albitization giving this section a weak felsite or marbled appearance; 1% green fuchsite as wisps and clots; minor yellow wispy carbonate; unit cut by more secondary white quartz stringers than elsewhere in the unit; increased pyrite present at 1%.	congl		026	392.60	393.60	1.00	tr	-			0.017					
			congl		027	393.60	394.60	1.00	tr	-			0.008					
			congl		028	394.60	395.60	1.00	tr	-			0.025					
			Blank		029	395.60	395.60	0.00					0.008					
			congl		030	395.60	396.60	1.00	0.25	-			0.083					
			congl		031	396.60	397.60	1.00	0.5	tr			0.065					
			congl		032	397.60	398.60	1.00	0.75	tr			0.059					
			congl		033	398.60	399.60	1.00	0.5	tr			0.040					
			congl		034	399.60	400.60	1.00					0.060					
			congl		035	400.60	401.60	1.00					0.012					
			congl		036	401.60	402.60	1.00					0.031					
			congl		037	402.60	403.60	1.00					0.158					
			congl		038	403.60	404.60	1.00					0.325					
			congl		039	404.60	405.60	1.00					0.120					
			congl		040	405.60	407.10	1.50					0.024					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-044

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
407.10	415.43	**GREYWACKE** Unit of variably altered wacke that ranges from a buff grey/green/yellow to sections of intense silicification that has the appearance of a felsite. Alteration contacts range from moderate to sharp locally. Alteration is in the form of very fine sericite, albite and weak fuchsite in the buff areas. The more marbled material consists of grey quartz and darker brown albite. Pyrite mineralization with trace arsenopyrite present and strongest in the more silicous material to 3% locally.	wacke		041	407.10	408.10	1.00	0.25	-			0.033					
			wacke		042	408.10	409.10	1.00	<1	-			0.029					
			wacke		043	409.10	410.10	1.00	0.5	-			0.002					
			wacke		044	410.10	411.10	1.00	0.5	-			0.050					
			wacke		045	411.10	412.10	1.00	1	-			0.038					
			wacke		046	412.10	413.10	1.00	0.75	-			0.028					
			wacke		047	413.10	414.10	1.00	0.5	-			0.027					
			wacke		048	414.10	414.80	0.70	0.5	-			0.234					
			Standard		049	414.80	414.80	0.00					1.356					
			wacke		050	414.80	415.43	0.63	1	-			0.006					
415.43	427.20	**FELSITE** Marbled appearance and texture to the unit of abundant quartz (60%), 30% white feldspar and 10% chlorite + albite + pyrite. Much of the feldspars are present as small phenocrysts causing a weak porphyritic texture. The unit has been cross-cut by numerous narrow white secondary quartz stringers. Few breaks and extremely hard. Pyrite mineralization is disseminated throughout averaging approximately 3%. No association between the pyrite and any specific feature...the pyrite is just disseminated throughout. Rubbly lower contact.	fel		051	415.43	416.43	1.00	3	-			0.043					
			fel		052	416.43	417.43	1.00	3	-			0.045					
			fel		053	417.43	418.43	1.00	3	-			0.046					
			fel		054	418.43	419.43	1.00	3	-			0.134					
			Blank		055	419.43	419.43	0.00					0.002					
			fel		056	419.43	420.43	1.00	3	-			0.316					
			fel		057	420.43	421.43	1.00	3	-			0.079					
			fel		058	421.43	422.43	1.00	3	-			0.159					
			fel		059	422.43	423.43	1.00	3	-			0.086					
			fel		060	423.43	424.43	1.00	3	-			0.073					
			fel		061	424.43	425.43	1.00	2.5	-			0.060					
			fel		062	425.43	426.43	1.00	2.5	-			0.063					
			fel		063	426.43	427.20	0.77	0.5	-			0.151					
427.20	446.70	**ALTERED CONGLOMERATE** This unit is a heterogeneous unit based upon the amount and type of alteration. The unit appears to be a groundmass-rich/pebble poor unit, consisting of a poorly assorted sands containing approximately 3-10% pebbles and occasional cobble. Parts of the unit are very pebble poor and may be construed as wacke. The pebbles are generally felsic intrusive but there are some mafic to ultramafic clasts that suffer more	congl	sil	064	427.20	428.20	1.00	tr				0.008					
			congl	sil	065	428.20	429.20	1.00	2				0.054					
			congl	sil	066	429.20	430.20	1.00	tr				0.178					
			congl	sil	067	430.20	431.20	1.00	1				0.038					
			congl	sil	068	431.20	432.20	1.00	1				0.012					
			congl	sil	069	432.20	433.20	1.00	1				0.042					
			congl	sil	070	433.20	434.20	1.00	tr				0.119					
			congl	sil	071	434.20	435.20	1.00	1				0.038					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-044

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	SAMPLES %Py	SAMPLES %Ars	ASSAYS Pd (g/t)	ASSAYS Pt (g/t)	ASSAYS Au (g/t)	ASSAYS Cu (%)	ASSAYS Ni (%)	ASSAYS Co (%)	ASSAYS Zn (%)	ASSAYS Ag (ppm)
		deformation. Alteration of the unit is highly variable from weak to pervasive silicification and local albitization that completely overprints original textures. The rock is generally a green to beige colour with sections of brownish albitization. More altered sections including silicification and albitizaton typical have associated fuchsite alteration. Very few secondary quartz/feldspar stringers cross the core. Alteration decreases down hole .2-4% clear quartz shards over last 10m. Locally feldspar phyric in more unaltered sections. Sharp lower contact at 60 deg. To ca. Core angles range from 45-60 deg. To c.a. Mineralization consists mainly of pyrite being mainly disseminated and locally as stringers along possible bedding planes ranging from 0.5 to 3%. Below is a breakdown by significant changes in texture or alteration... 427.2 - 437.2m strong to intense silicification, original textures obliterated, moderate fuchsite alteration, tr-1% pyrite, local moderate sericite. 2-5% quartz veins.	congl	sil	072	435.20	436.20	1.00	1					0.020				
			congl	sil	073	436.20	437.20	1.00	1					0.173				
			congl	sil	074	437.20	438.20	1.00	tr					0.008				
			congl		075	438.20	439.20	1.00	tr					0.002				
			congl		076	439.20	440.20	1.00	tr					0.002				
			blank		077	440.20	440.20	0.00						0.002				
			congl		078	440.20	441.20	1.00	4					0.011				
			congl		079	441.20	442.20	1.00	7					0.022				
			congl		080	442.20	443.20	1.00	1					0.002				
			congl		081	443.20	444.20	1.00	tr					0.005				
			standard		082	444.20	444.20	0.00						1.525				
			congl		083	444.20	445.20	1.00	tr					0.008				
			congl		084	445.20	446.20	1.00	tr					0.002				
			congl		085	446.20	446.70	0.50	tr					0.002				
446.70	448.70	**GREYWACKE** Unit of variably altered wacke that ranges from a buff grey/green/yellow to sections of intense silicification that has the appearance of a felsite. Alteration is in the form of very fine sericite and locally silicified in the buff areas. Unit is relatively massive with weak bedding locally. Minor local quartz veinlets at various orientations. Pyrite mineralization of tr-1%e , very finely disseminated. Lower contact at 44 deg. To c.a.	wacke		086	446.70	447.60	0.90	1					0.002				
			wacke		087	447.60	448.70	1.10	tr					0.002				

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-044

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
448.70	460.80	**ARGILLITE** Fine dark grey to black unit of very finely bedded silts to muds. The unit for the most part is a deep grey colouration with local black graphitic mudstone. Weak silicification and pyrite mineralization. Local quartz nodules (1cm). Local quartz veins 2-10cm mainly sub-parallel to c.a. With several cross cutting stratigraphy. Bedding angles start off at 71 degrees and shallow to 38 deg.to c.a. Occasional greywacke bed intermixed with argillite. 453.3 - 455.0m Felsic dike, sericite altered, aphanitic to medium grained. 3% pyrite, stringer	argill		088	448.70	449.70	1.00	1				0.002						
			argill		089	449.70	450.70	1.00	2				0.002						
			argill		090	450.70	451.70	1.00	2				0.002						
			argill		091	451.70	452.70	1.00	1				0.002						
			argill\ wa		092	452.70	453.70	1.00	tr				0.002						
			f.dy		093	453.70	454.70	1.00	1				0.002						
			argill		094	454.70	455.70	1.00	4				0.002						
			argill		095	455.70	456.70	1.00	2				0.002						
			argill		096	456.70	457.70	1.00	5				0.002						
			argill		097	457.70	458.70	1.00	tr				0.002						
			argill		098	458.70	459.70	1.00	tr				0.002						
			argill		099	459.70	460.80	1.10	tr				0.002						
460.80	469.90	**GREYWACKE** Unit of variably altered wacke that ranges from a buff grey/green/yellow to sections of intense silicification with local sections of strong sericite giving a strong yellow coloration.. Alteration is in the form of very fine sericite and locally silicified in the buff areas. Unit is moderately to strongly banded ranging from 2-20mm. Minor local quartz veinlets at various orientations. Pyrite mineralization of tr-1% , very finely disseminated. Locally interbedded argillites.	wacke	ser	100	460.80	461.80	1.00	1				0.002						
			wacke	ser	101	461.80	462.80	1.00	1				0.006						
			wacke		102	462.80	463.80	1.00	tr				0.020						
			wacke		103	463.80	464.80	1.00	tr				0.002						
			wacke		104	464.80	465.80	1.00	tr				0.002						
			wacke		105	465.80	466.80	1.00	tr				0.002						
			wacke		106	466.80	467.80	1.00	tr				0.026						
			blank		107	467.80	467.80	0.00					0.002						
			wacke		108	467.80	468.80	1.00	tr				0.005						
			wacke		109	468.80	469.90	1.10	tr				0.002						
469.90	470.90	**MINERALIZED ARGILLITE** Fine dark grey to black unit of very finely bedded silts to muds. The unit for the most part is a deep grey colouration with local black graphitic mudstone. Weak silicification. Strong pyrite mineralization ranging from 2-10% both as disseminated and stringer sulphides sub-parallel to c.a. Bedding angles at 67 deg.to c.a. Sharp lower contact at approx 70 deg. To c.a.																	

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
470.90	476.00	**ULTRAMAFICS** Unit is a typical massive ultramafic unit, dark green to black, soft and relatively unfractured. Devoid of mineralization. Moderate serpentine along fractures. Fine to locally medium grained. Does not have typical feldspar ribbon-like bands. EOH	UltraM		111	470.90	471.90	1.00					0.002					
			UltraM		112	471.90	472.90	1.00					0.002					

Printed: November-29-16

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	P8795			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Casing remains in the ground. Lost water return by 60m.
HOLE NO.:	TO16-045	LENGTH (m):	486.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362274.170	EASTING:	471144.310	COLLAR SURVEY BY: Talbot Surveys	
SECTION:	TZ_1950W	ZONE:	Thomas Ogden	ELEVATION (m):	286.950	DRILLING COMPANY: Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	332. / -69.0	SURVEYED:	329.900 / -68.500	DATE LOGGED: May. 11, 2016 TO May. 12, 2016	Core Storage: Norex compound
HOLE STARTED:	May 09, 2016	HOLE FINISHED:	May 11, 2016	MAG:	10.75º w	LOGGED BY: D.Heerema	Page 1 of 11

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	SAMPLES %Py	SAMPLES %Ars	ASSAYS Pd (g/t)	ASSAYS Pt (g/t)	ASSAYS Au (g/t)	ASSAYS Cu (%)	ASSAYS Ni (%)	ASSAYS Co (%)	ASSAYS Zn (%)	ASSAYS Ag (ppm)
0.00	39.00	**OVERBURDEN**																
39.00	200.12	**TUFF** The upper portion of the tuffacous unit is highly variable and well foliated to 88.2m. The unit ranges from chloritic to sericitic to fe-carb to hematized in alteration changes colours rapidly. The rock is speckled with 1-2mm chlorite grains now generally aligned in a strong fabric at 20 degrees tca. Some secondary quartz/calcite stringers and veinlets throughout increasing in abundance below 75m showing strong deformation in the form of tight folds and boudins. Fe-carb stringers common in first 4m. Locally blocky (faults) with associated fe-carb alteration and staining. 39.07 - 39.40m: quartz/carb veining that was nicked by the hole and appears sub-parallel to ca; re-crystallized white to semi-transparent quartz with 10% clotty fe-carbonate 44.95 - 47.67m: fault zone with 3 sections of angular pieces of ground core generally at shallow angles tca 58.60 - 61.41m: fault zone at approximately 40 degrees tca	qyz/carb		001	39.00	39.40	0.40	-	-			0.002					
			alt tuff		002	185.36	186.26	0.90	-	-			0.002					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-045

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

-tremendous natural breaking and grinding producing angular and rounded gravel type material; immense fe-carb alteration causing a pervasive brown colouration

Below 88.20m the unit is moderately to well foliated unit of speckled tuff with a soft green to pinkish colouration. The unit is generally fairly homogenous with local areas of increased alteration. The unit is green as a result of chlorite alteration along with minor sericite and hematization with narrow sections of fe-carbonate associated with breaks. A fabric is evident at grains tend to be aligned at approximately 65 degrees tca with areas of porphyritic texture and associated strain shadows. From 141 to approx 160m has a pinkish hue as a result of weak hematization. No visible sulphides. The core is fairly competent with few breaks with exception of local areas.

106.02 - 106.60m: brittle fault with fe-carb staining
-hematized stringer within showing 1.3cm right lateral movement evident by displacement on a 1cm quartz/carb veinlet

185.33 - 186.26m: strong sericitization, yellow carbonate with bleaching, fuchsite and silicification. Well foliated and banded at 35-40 degrees tca. The bands consist of sericite and yellow wispy carbonate with minor chlorite and hard and flooded by grey silicification; the green fuchsite is in the form of fine wisps and tiny clots. Two late structures of white quartz form irregular cross-cutting veinlets.

200.12 224.80 **FRAGMENTAL**

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-045

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Moderate green coloured tuffacous groundmass containing abundant felsic fragments of light green to orange colouration as well as deep green chloritic fragments. The fragments range in size from 2mm to 10cm in diameter and show elongation parallel to foliation to 207.20m. Below 207.20m the unit becomes much more massive preserving the fragment shapes. Fragments shapes are highly variable from round to very angular. Upper contact is extremely sharp at a 1cm fault seam with weak gouge; lower contact is gradational and based upon the last visible fragment.																
224.80	279.30	**TUFF** Deeper green tuffacous unit of strong chlorite alteration. Approx 35-30% speckled chlorite throughout. Well foliated at 40 degrees tca. 238.95 - 239.06m: brittle fault at 40 degrees tca 265.30 - 269.34m: sub-unit of fragmental -elongate fragments with rounded edges 267.65 - 267.77m: quartz/hematite/yellow carb vein at 80 degrees tca -transparent quartz with very fine hematite causing a purplish colouration -minor pyrite associated																
279.30	285.82	**CHLORITE SCHIST**																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-045

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	SAMPLES %Py	SAMPLES %Ars	ASSAYS Pd (g/t)	ASSAYS Pt (g/t)	ASSAYS Au (g/t)	ASSAYS Cu (%)	ASSAYS Ni (%)	ASSAYS Co (%)	ASSAYS Zn (%)	ASSAYS Ag (ppm)
		Deep green chloritic unit with a brecciated-like texture similar to that of a possible fragmental. The unit may well represent a flow top breccia. Well foliated, deformed, weakly banded with some felsic segregations deeper in the unit. The clasts appear to be very fine-grained and silicous with very weak pyrite mineralization. Not as schistose and foliation is not as pronounced as the chlorite schist horizon in the Thomas Ogden Zone. Foliation angles at 75 degrees tca. 284.51 - 285.00m: fault at approx 70-75 degrees tca -ground middle section of rounded gravel type material																
285.82	336.55	**ULTRAMAFICS** Top of the unit is the typical speckled and slightly more massive section with a pinkish hue as a result of hematization to 290.52m. Below the speckled and weak porphyritic section, the ultramafics become a well banded to ribboned assemblage of serpentine/chlorite and minor talc with quartz/feldspar segregations and patches of fine grey carbonate. The white segregated material form thin 0.5mm to 1cm bands that are extremely contorted, folded and often truncated and off-set by numerous micro-faults. The high strain zone is host to numerous narrow white and semi-transparent quartz veins; some associated with grey carbonate alteration. Zebra like appearance. Foliation angles are highly variable ranging from 30 to 85 degrees tca commonly at 55 degrees tca. Angles change drastically over short distances showing the strain and deformation the unit has suffered. Trace pyrite with exception of a section from 318.43 to 322.40m with silicification and foliation increases slightly. This section contains disseminated, blebby and weak stringer pyrite as well as blebby to stringer pyrrhotite.	um		003	317.92	318.92	1.00	1	-			0.002					
			arg		004	318.92	319.60	0.68	2	-			0.014					
			um		005	319.60	320.60	1.00	tr	-			0.010					
			um		006	320.60	321.60	1.00	tr	-			0.002					
			congl		007	321.60	322.80	1.20	0.5	-			0.002					
			congl		008	322.80	324.00	1.20	tr	-			0.002					
			um		009	335.55	336.55	1.00	tr	-			0.002					

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METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		318.92 - 319.60m: possible argillite? This section appears to be very finely bedded argillite with gradational contacts with the ultramafics. Beds are well deformed and show evidence of folding; pyrite and pyrrhotite present at 2% py and 2% po. 321.60 - 324.00m: a section of conglomerate; dark chloritic/serp stringers and weak bands as a groundmass to round to semi-elongate felsic pebbles; pebbles are about 75% of unit and beige in colouration; very hard unit with moderate silicification; weak albite and fuchsite as elongate wisps; could be a breccia-like alteration feature in the ultramafics but looks like conglomerate Below 324m the unit is extremely foliated and olive green carbonate altered; foliation shallows to parallel tca by 332m before steepening back to 60 degrees by the lower contact. Boudined quartz porphyroblasts parallel tca. Fine pyrite mineralization disseminated at less than 0.5%.																
336.55	427.20	**CONGLOMERATE** Overall the unit is quite silicous with a variable alteration type and intensity. The rock is generally a grey to green colour with sections of darker more chloritic material, orange k-spar altered sections and sections of extreme silicification and quartz flooding that almost resemble felsite. Associated with the intense silicification is brown/beige albitization locally. Fuchsite clots and wisps are not uncommon throughout. Pyrite mineralization and more localized trace arsenopyrite present. The sulphides are most abundant in areas of strongest silicification as well as albiltization. Pebbles have been well stretched with sections of good pebble definition and areas of no original textures. Foliation angles of the unit at 45-60 degrees tca.	congl		010	336.55	337.25	0.70	0.5	tr			0.420					
			congl		011	337.25	338.00	0.75	<1	tr			0.239					
			congl		012	338.00	339.00	1.00	<1	tr			0.302					
			congl		013	339.00	340.00	1.00	0.25	-			0.059					
			congl		014	340.00	341.00	1.00	0.25	-			0.165					
			congl		015	341.00	342.00	1.00	0.25	-			0.086					
			congl		016	342.00	343.00	1.00	tr	-			0.056					
			congl		017	343.00	344.00	1.00	tr	-			0.002					
			congl		018	344.00	345.00	1.00	tr	-			0.002					
			Blank		019	345.00	345.00	0.00					0.002					
			congl		020	345.00	346.00	1.00	tr	-			0.002					
			congl		021	346.00	347.00	1.00	tr	-			0.013					
			congl		022	347.00	348.00	1.00	tr	-			0.005					
			congl		023	348.00	349.00	1.00	tr	-			0.036					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		The upper portion to 342.70m is well sericitized with sections of brown marbled albitization with clotty yellow carbonate. Heavy silicification with significant pyrite mineralization and trace arsenopyrite.	congl		024	349.00	350.00	1.00	tr	-			0.006					
			congl		025	350.00	351.00	1.00	tr	-			0.002					
			congl		026	351.00	352.00	1.00	tr	-			0.007					
			Standard		027	352.00	352.00	0.00					4.132					
			congl		028	352.00	353.00	1.00	tr	-			0.023					
			congl		029	353.00	354.00	1.00	tr	-			0.082					
		342.70 - 355.80m: section of more chloritic conglomerate with much less albite, yellow carbonate, silicification and sulphides	congl		030	354.00	355.00	1.00	<0.25	-			0.011					
			congl		031	355.00	356.00	1.00	tr	-			0.006					
			congl		032	356.00	357.00	1.00	tr	-			0.011					
		353.15 - 354.00m: very blocky section	congl		033	357.00	358.00	1.00	tr	-			0.009					
			congl		034	358.00	359.00	1.00	tr	-			0.002					
			congl		035	359.00	360.00	1.00	0.5	-			0.002					
		355.80 - 362.25m: a section of increased silicification with associated albitization and wispy and clotty yellow carbonate; increased sulphide content; 75% fuchsite from 361.80 to 361.95m.	Blank		036	360.00	360.00	0.00					0.002					
			congl		037	360.00	361.00	1.00	1	-			0.029					
			congl		038	361.00	362.00	1.00	1	tr			0.106					
			congl		039	362.00	363.00	1.00	<0.25	-			0.034					
		362.25 - 383.00m: this is a section of much fewer pebbles and may represent more of a massive wacke. The rock is heavily sericitized with a yellowish hue. Green tiny 1-4mm fuchsite clots found throughout; weak yellow carbonate alteration; small sections of more silicous material up to 80cm long with gradational contacts present; clear rounded quartz porphyroblasts common up to 25% in places up to 4mm in diameter.	congl		040	363.00	364.00	1.00	tr	-			0.005					
			congl		041	364.00	365.00	1.00	tr	-			0.006					
			congl		042	365.00	366.00	1.00	tr	-			0.002					
			congl		043	366.00	367.00	1.00	tr	-			0.002					
			congl		044	367.00	368.00	1.00	tr	-			0.115					
			congl		045	368.00	369.00	1.00	tr	-			0.038					
			congl		046	369.00	370.00	1.00	tr	-			0.051					
			congl		047	370.00	371.00	1.00	tr	-			0.148					
			congl		048	371.00	372.00	1.00	tr	-			0.037					
		383.00 - 387.02m: extremely silicous section of grey quartz-rich flooding and a weak porphyritic texture; resembles felsite with green chlorite clots with diffuse contacts; extremely hard with moderate fine-grained albitization; well mineralized with 3-4% very fine dust-like pyrite; late quartz stringers and veinlets at random orientations that appear barren of mineralization.	congl		049	372.00	373.00	1.00	tr	-			0.078					
			congl		050	373.00	374.00	1.00	tr	-			0.059					
			Standard		051	374.00	374.00	0.00					0.761					
			congl		052	374.00	375.00	1.00	tr	-			0.142					
			congl		053	375.00	376.00	1.00	<1	tr			0.056					
			congl		054	376.00	377.00	1.00	tr	-			0.036					
			congl		055	377.00	378.00	1.00	tr	-			0.005					
		396.43 - 396.75 and 398.70 - 400.30m: sections of more massive f.grained featureless rock with strong potassic	congl		056	378.00	379.00	1.00	tr	-			0.006					
			congl		057	379.00	380.00	1.00	tr	-			0.019					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-045

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		alteration causing an orange colouration of the rock. Occasional late quartz veinlet with associated sericite and weak pyrite mineralization.	Blank		058	380.00	380.00	0.00					0.002					
			congl		059	380.00	381.00	1.00	<0.25	-			0.017					
			congl		060	381.00	382.00	1.00	tr	-			0.016					
			congl		061	382.00	383.00	1.00	tr	-			0.084					
		400.30 - 402.03m: section of immense silicification with a marbled texture; fuchsite wisps and moderate albitization; cut by barren quartz stringers and veinlets; slight increase in pyrite to approximately 0.5% fine disseminations.	congl		062	383.00	384.00	1.00	<1	-			0.073					
			congl		063	384.00	385.00	1.00	2	-			0.098					
			congl		064	385.00	386.00	1.00	4	-			0.109					
			congl		065	386.00	387.00	1.00	3	-			0.030					
			congl		066	387.00	388.00	1.00	tr	-			0.030					
		420.83 - 421.72: intermediate dike with sharp contacts -fine-grained and massive -35-40% white plag -upper and lower contacts @ 30 degrees tca	congl		067	388.00	389.00	1.00	tr	-			0.083					
			congl		068	389.00	390.00	1.00	1	-			0.071					
			congl		069	390.00	391.00	1.00	0.25	-			0.098					
			congl		070	391.00	392.00	1.00	tr	-			0.030					
			congl		071	392.00	393.00	1.00	tr	-			0.068					
		422.18 - 423.05m: intermediate dike -same as above -upper and lower contacts @ 25 degrees tca -weak pyrite mineralization near both contacts -very narrow and albite altered chill margins	congl		072	393.00	394.00	1.00	tr	-			0.002					
			congl		073	394.00	395.00	1.00	tr	-			0.034					
			Blank		074	395.00	395.00	0.00					0.002					
			congl		075	395.00	396.00	1.00	tr	-			0.006					
			congl		076	396.00	397.00	1.00	tr	-			0.006					
			congl		077	397.00	398.00	1.00	0.5	-			0.029					
		423.90 - 424.97m: intermediate dike -same as above -parallel contacts at 25 degrees tca	congl		078	398.00	399.00	1.00	tr	-			0.232					
			congl		079	399.00	400.00	1.00	0.25	-			0.005					
			congl		080	400.00	401.00	1.00	0.5	-			0.042					
			congl		081	401.00	402.00	1.00	tr	-			0.017					
			congl		082	402.00	403.00	1.00	tr	-			0.005					
			congl		083	403.00	404.00	1.00	tr	-			0.008					
			congl		084	404.00	405.00	1.00	tr	-			0.036					
			congl		085	405.00	406.00	1.00	tr	-			0.011					
			congl		086	406.00	407.00	1.00	0.25	-			0.007					
			Standard		087	407.00	407.00	0.00					4.187					
			congl		088	407.00	408.00	1.00	tr	-			0.070					
			congl		089	408.00	409.00	1.00	0.25	-			0.018					
			congl		090	409.00	410.00	1.00	tr	-			0.010					
			congl		091	410.00	411.00	1.00	tr	-			0.008					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-045

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
			congl		092	411.00	412.00	1.00	tr	-	0.005							
			congl		093	412.00	413.00	1.00	tr	-	0.056							
			congl		094	413.00	414.00	1.00	0.25	-	0.038							
			congl		095	414.00	415.00	1.00	tr	-	0.137							
			congl		096	415.00	416.00	1.00	0.5	-	0.203							
			congl		097	416.00	417.00	1.00	0.5	-	0.036							
			congl		098	417.00	418.00	1.00	tr	-	0.021							
			Blank		099	418.00	418.00	0.00			0.002							
			congl		100	418.00	419.00	1.00	tr	-	0.002							
			congl		101	419.00	420.00	1.00	tr	-	0.002							
			congl		102	420.00	420.83	0.83	tr	-	0.008							
			I.Dk		103	420.83	421.72	0.89	tr	-	0.009							
			congl		104	421.72	422.18	0.46	0.25	-	0.010							
			I.Dk		105	422.18	423.05	0.87	0.25	-	0.007							
			congl		106	423.05	423.90	0.85	tr	-	0.010							
			I.Dk		107	423.90	424.97	1.07	tr	-	0.002							
			congl		108	424.97	426.00	1.03	tr	-	0.002							
			congl		109	426.00	427.20	1.20	tr	-	0.002							
427.20	460.80	**INTERBEDDED WACKE AND ARGILLITE**	arg		110	427.20	429.00	1.80	-	-	0.002							
			arg		111	429.00	430.50	1.50	-	-	0.002							
		This unit consists of alternating sections of fine black argillites and silty to sandy units of wacke. Contacts between the two are rather sharp and show no evidence of graded bedding. The argillites are very fine grained and black with only a few siltier horizons that show younging to be downhole. Bedding has been disrupted by narrow late white quartz/calcite stringers generally parallel to bedding. Bedding angles are at 55-60 degrees tca at the start of the unit and are at 45 degrees tca at 460m. The argillites are generally black except for a section from 447.15 to 459.60m where alteration is associated with a swarm of late intermediate dikes. The alteration of the wacke and argillites is chloritization and sericitization causing a dull olive green colouration; with strong banding with yellow carbonate in narrow sections between the dikes. Local	Blank		112	430.50	430.50	0.00			0.002							
			arg		113	430.50	432.00	1.50	-	-	0.002							
			arg		114	432.00	433.50	1.50	-	-	0.002							
			arg		115	433.50	435.00	1.50	-	-	0.002							
			arg		116	435.00	436.50	1.50	-	-	0.002							
			arg		117	436.50	438.00	1.50	-	-	0.002							
			Standard		118	438.00	438.00	0.00			1.371							
			arg		119	438.00	439.50	1.50	tr	-	0.002							
			arg		120	439.50	441.00	1.50	tr	-	0.002							
			arg		121	441.00	442.50	1.50	tr	-	0.002							
			arg		122	442.50	444.00	1.50	tr	-	0.006							
			arg		123	444.00	445.50	1.50	tr	-	0.035							
			arg		124	445.50	447.00	1.50	tr	-	0.016							
			arg		125	447.00	449.00	2.00	tr	-	0.002							

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-045

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		silicification and secondary quartz structures has introduced fine pyrite and less pyrrhotite mineralization.	arg		126	449.00	450.00	1.00	0.25	-			0.002					
			arg		128	450.00	451.00	1.00	tr	-			0.002					
		From 459.60 to 460.80m is a section of essentially aphanitic black argillite with very fine beds that show tremendous crenulations and tight folds (460 - 460.43m). In this area of extremely folding is white quartz flooding hosting 10% fine to coarse blebby and stringer pyrite. A 1cm massive seam of pyrite present at lower contact with mafic dike.	arg		129	451.00	452.00	1.00	tr	-			0.319					
			arg		130	452.00	453.00	1.00	tr	-			0.013					
			arg		131	453.00	454.33	1.33	tr	-			0.061					
			l.Dk		132	454.33	455.56	1.23	tr	-			0.022					
			arg		133	455.56	456.70	1.14	tr	-			0.046					
			l.Dk		134	456.70	457.91	1.21	<0.5	-			0.007					
			arg		135	457.91	458.71	0.80	tr	-			0.026					
			l.Dk		136	458.71	459.17	0.46	tr	-			0.013					
			arg		137	459.17	459.95	0.78	0.25	-			0.015					
			arg		138	459.95	460.80	0.85	8	-			0.018					

453.35 - 453.56m: intermediate dike
-massive and f.grained
-grey with 40% plag
-occasional secondary quartz stringer
-trace cubic pyrite

453.84 - 454.07m: same as dike above
-contacts wavy at 75 degrees tca

454.33 - 455.56m: intermediate dike
-same as above
-slight increase in secondary quartz
-trace pyrite and pyrrhotite
-contacts at 45 degrees tca

456.70 - 457.11m: intermediate dike at 45 degrees tca
-albitized chill margins
-same as dikes above

457.34 - 457.91m: same as above

458.71 - 459.17m: same as above

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-045

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n
460.80	468.61	**MAFIC DIKE SWARM/FAULT** Unit starts off with a dark grey to black fine-grained massive dike at 45 degrees tca. Chill margins evident. Weak green colouration as a result of fine chloritization or tremolite. The upper 18cm of the dike is much more silicous causing a grey glassy texture hosting coarser pyrite mineralization. Few thin recrystallized quartz/chlorite (tremolite?) stringers with associated pyrite. Fine dust-like disseminated pyrite throughout at approx 1%. Below 461.86m the unit becomes an extremely broken/ground up dike intruded mess. This dike swarm has intruded in very close proximity to the sediment/ultramafic contact therefore blocks of each are present. Due to the extensive breakage and grinding of core via faulting, contacts are hard to distinguish in places. The unit is well fractured and the worst sections of grinding etc are broken out below. The dike contacts are sharp where not ground up and exhibit fine narrow chill margins. The dikes are mafic, fine-grained, dark grey to black with some silicification locally near contacts. The ultramafics are talc/serpentine altered and very soft The argillites are very finely bedded, black and locally graphitic; late quartz stringers and veinlets found crossing the argillites often containing coarse pyrite mineralization like that of the end of the last unit. Likely pieces of the upper unit that have been off-set as rafts within the faulting. Below is a breakdown of lithologies... 461.86 - 462.31m: ultramafics 462.31 - 463.25m: mineralized argillites with quartz		

SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
139	460.80	460.80	0.00					0.002					
140	460.80	461.86	1.06	>1	-			0.002					
141	461.86	463.25	1.39	0.5	-			0.020					
142	463.25	464.00	0.75	-	-			0.002					
143	464.00	464.45	0.45	0.5	-			0.008					
144	464.45	465.34	0.89	3	-			0.002					
145	465.34	466.00	0.66	0.25	-			0.002					
146	466.00	467.08	1.08	1	-			0.002					
147	467.08	468.61	1.53	0.5	-			0.005					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-045

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		(extensive fault grind from 462.45 - 463.20m) 463.25 - 464.00m: ultramafics 464.00 - 464.04m: argillite 464.04 - 464.15: silicous dike 464.15 - 464.45m: argillites 464.45 - 465.34m: mafic dike with narrow sections of argillite as contacts are sub-parallel tca in the middle section (464.90 - 465.00m extremely ground) 465.34 - 465.64m: argillite 465.64 - 466.00m: mafic dike 466,00 - 466.25m: ultramafics (466.08 to 466.88m is extensively ground and badly broken) 466.25 - 466.75m: mafic dike 466.75 - 467.08m: ultramafics 467.08 - 468.20m: mafic dike 468.20 - 468.30m: ultramafics 468.30 - 468.61m: mafic dike																
468.81	486.00	**ULTRAMAFICS** Deep green/grey colouration and relatively unaltered. Relatively hard also. Competent unit of few breaks and only occasional serpentine stringers.	um		148	468.81	469.81	1.00	-	-			0.002					

Printed: November-29-16

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	P8795			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Casing remains in the ground. Lost water return.
HOLE NO.:	TO16-046	LENGTH (m):	375.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362274.010	EASTING:	471144.360	COLLAR SURVEY BY: Talbot Surveys	
SECTION:	TZ_1950W	ZONE:	Thomas Ogden	ELEVATION (m):	286.920	DRILLING COMPANY: Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	332. / -63.0	SURVEYED:	329.100 / -63.700	DATE LOGGED: May. 09, 2016 TO May. 10, 2016	Core Storage: Norex compound
HOLE STARTED:	May 05, 2016	HOLE FINISHED:	May 08, 2016	MAG:	10.75º w	LOGGED BY: D.Heerema	Page 1 of 8

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	47.92	**OVERBURDEN**																
47.92	176.63	**TUFF**																

The upper portion of the tuffacous unit is highly variable and well foliated to 88m. The unit ranges from chloritic to sericitic to fe-carb to hematized in alteration changes colours rapidly. The rock is speckled with 1-2mm chlorite grains now generally aligned in a strong fabric. Numerous secondary quartz/calcite stringers and veinlets throughout showing strong deformation in the form of tight folds and boudins. Locally blocky (faults) with associated fe-carb alteration and staining.

53.81 - 54.20m: numerous breaks and strong fe-carb
-minor remnant gouge at 50 degrees tca

62.54 - 62.70m: fault with tremendous gravel size angular pieces
-strong fe-carb alteration halo of 35cm bounding both sides

Below 88.0m the unit is moderately to well foliated unit of speckled tuff with a soft green to pinkish colouration. The unit is generally fairly homogenous with local areas of increased alteration. The unit is green as a result of chlorite alteration

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-046

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

along with minor sericite and hematization with narrow sections of fe-carbonate associated with breaks. A fabric is evident at grains tend to be aligned at approximately 65 degrees tca with areas of porphyritic texture and associated strain shadows. No visible sulphides. The core is fairly competent with few breaks with exception of local areas.

109.81 - 110.23m: fault with ground rock as well as mud and sand

123.86 - 124.20m: brittle fault with tremendous fracturing and ground rock not exceeding 5cm in size

From 164.83 to 168.00m is a narrow unit of fragmental with cream to light green coloured fragments; subunit is fragment dominant in places with round to elongate fragments. Fragment contacts are very sharp against the darker chloritic groundmass.

Foliation at the base of the unit is at 55 degrees tca.

176.63 210.77 **CHLORITE SCHIST**

Deep green chloritic unit with a brecciated-like texture similar to that of a possible fragmental. The unit may well represent a flow top breccia. Well foliated, deformed, weakly banded with some felsic segregations deeper in the unit. The clasts appear to be very fine-grained and silicous with very weak pyrite mineralization. Not as schistose and foliation is not as pronounced as the chlorite schist horizon in the Thomas Ogden Zone. Foliation angles range from 55 degrees to 5 degrees tca by 189m and steepens back to 85-90 degrees tca by end of unit. Lower contact with ultramafics sharp at 20 degrees tca.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-046

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n
210.77	270.21	**ULTRAMAFICS** Top of the unit is the typical speckled and slightly more massive section with a pinkish hue as a result of hematization to 211.90m. Below the speckled and weak porphyritic section, the ultramafics become a well banded to ribboned assemblage of serpentine/chlorite and minor talc with quartz/feldspar segregations. The white segregated material form thin 0.5mm to 1cm bands that are extremely contorted, folded and often truncated and off-set by numerous micro-faults. The high strain zone is host to numerous narrow white and semi-transparent quartz veins; some associated with grey carbonate alteration. Zebra like appearance. Foliation angles are highly variable ranging from sub-parallel to 85 degrees tca. Angles change drastically over short distances showing the strain and deformation the unit has suffered. Very fine grey carbonate alteration in patches between 219.84 and 223.06m with moderate contacts. 219.34 - 219.38m: fault at 90 degrees tca 221.73 - 221.83m: fault at 85-90 degrees tca 236.06 - 236.09m: fault at 80 degrees tca -soft clay to gravel gouge 242.45 - 243.62m: fault zone at 45 degrees tca -upper and lower contacts of fault zone are rubbly with soft remnant clay gouge	um	

SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
001	268.21	269.21	1.00	tr	-			0.005					
002	269.21	270.21	1.00	tr	-			0.025					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-046

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
270.21	274.72	**CONGLOMERATE**	congl		003	270.21	270.95	0.74	3	tr			0.070					
			congl		004	270.95	271.95	1.00	2	tr			0.412					
			congl		005	271.96	272.95	0.99	1	-			2.206					
			congl		006	272.95	273.95	1.00	0.5	-			0.169					
			congl		007	273.95	274.72	0.77	tr	-			0.047					

This portion of the sediment package is so silicous and altered that most original textures have been overprinted. The unit starts of as immensely albitized, silicified and yellow carbonate altered material to 271.95m. Original textures are completely obliterated. The rock is a honey yellow/brown to grey colouration cut by numerous barren white to semi-transparent quartz stringers and veinlets as well as fine black hairline chlorite stringers. The black stringers are the youngest features that cross-cut everything and host significant pyrite mineralization in bleb to stringer form. Fine disseminated pyrite is found throughout associated with silicification and albitization at approx 2-3%.

Below 271.95 to 274.72m the unit is well altered but exhibits graded bedding as the sub-unit starts off as a well stretched and deformed pebble conglomerate that slowly fines to grey/black argillite by the end of the unit. Strong pebble content at start of the sub-unit as well stretched pebble on the order of 10:1 length to width ratio showing crenulations. The rock is well sericite and albite altered that becomes more chloritic with fuchsite as clast content starts to drop off by 273.45m. The unit becomes slightly more wacke looking but pebbles are still evident. Even when the unit is more argillitic by 274.35m, occasional stretched pebbles are present. Weak to moderate pyritization locally.

Bedding angles are 70 degrees tca and younging in downhole (northwest). Well fractured unit, breaks are along bedding.

Very blocky unit.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-046

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
274.72	277.02	**FELSITE** Grey marble like unit with an extremely quartz-rich content. Massive with weak porphyritic texture and extremely sharp irregular contacts; upper at 90 degrees tca and lower at 70 degrees tca. The unit has undergone some local albitization and yellow carbonate alteration but is mainly the grey to weak pinkish colour. Numerous narrow 1mm to 5mm quartz stringers cross at approximately 90 degrees tca. Fine disseminated pyrite throughout at 2-3%.	fel		008	274.72	275.47	0.75	3	-			0.105					
			fel		009	275.47	276.22	0.75	2.5	-			0.094					
			fel		010	276.22	277.02	0.80	2.5	-			0.068					
277.02	287.58	**ARGILLITE** Well mineralized unit of fine silts to black muds that have undergone moderate to strong silicification that seems to decrease downhole. The unit is a buff grey with some beige as a result of fine albite alteration. Bedding is still well preserved for the most part and appear as beds fining from grey silt to black muds that fine downhole. Beds are generally 1-10cm in thickness. Bedding angles are highly variable; starting at 75 degrees tca shallowing to parallel tca by 285m. The beds show strong evidence of distortion/crenulations and folding (especially over the last 2m of the unit. The unit has undergone local patches of immense alteration in the form of brown albitization and yellow wispy to banded yellow carbonate associated with breaks and quartz flooding. Strongest alteration is found over the upper 80cm and from 278.63 to 279.22m. Most of the unit to 285m has been intruded by late quartz stringers and veinlets of two ages; the older set are slightly larger, deformed and are associated with pyrite mineralization. The younger quartz structures are thin stringers that cross-cut stratigraphy, older quartz stringers and appear barren. Sulphide mineralization is present throughout as tiny blebs, dust	arg		011	277.02	278.00	0.98	5	tr			0.131					
			arg		012	278.00	279.00	1.00	5	tr			0.061					
			arg		013	279.00	280.00	1.00	6	tr			0.078					
			arg		014	280.00	281.00	1.00	7	tr			0.105					
			arg		015	281.00	282.00	1.00	4	-			0.102					
			arg		016	282.00	283.00	1.00	3	-			0.829					
			Blank		017	283.00	283.00	0.00										
			arg		018	283.00	284.00	1.00	5	-			0.186					
			arg		019	284.00	285.00	1.00	5	-			0.368					
			arg		020	285.00	286.00	1.00	3	-			2.975					
			arg		021	286.00	286.80	0.80	2	-			2.070					
			arg		022	286.80	287.58	0.78	1	-			1.128					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-046

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		like specks and local needle-form arsenopyrite. The pyrite content is approximately 5-7% to 285m where is decreases to approximately 1%. The pyrite is found throughout the argillite generally conforming to bedding as well as within the older quartz set. Stronger silicification generally leads to stronger mineralization. The arsenopyrite-bearing sections are the sections of immense albitization and yellow carbonate alteration as noted above.																
287.58	306.30	**GREYWACKE** Fine-grained siltstone with areas of what appear to be few stretched pebbles now as ribbons of fuchsite and chlorite. The unit is poorly bedded and with local alteration. Weak albitization is pervasive along with weak chloritization. Bedding appears to be at very shallow angles tca (sub-parallel). Fairly competent core. Pyrite mineralization present as fine blebs and content is quite variable from nil to 1% locally. 300.81 - 301.21m: 30% semi-transparent quartz veining -chlorite alteration	wacke		023	287.58	288.58	1.00	1	-			0.943					
			wacke		024	288.58	289.58	1.00	0.5	-			0.019					
			wacke		025	289.58	290.58	1.00	1	-			0.135					
			Standard		026	290.58	290.58	0.00					1.444					
			wacke		027	290.58	291.58	1.00	0.25	-			0.614					
			wacke		028	291.58	292.58	1.00	tr	-			0.071					
			wacke		029	292.58	293.58	1.00	tr	-			0.044					
			wacke		030	293.58	294.58	1.00	tr	-			0.027					
			wacke		031	294.58	295.58	1.00	tr	-			0.019					
			wacke		032	295.58	296.58	1.00	tr	-			0.002					
			wacke		033	296.58	297.58	1.00	tr	-			0.008					
			wacke		034	297.58	298.58	1.00	tr	-			0.012					
			Blank		035	298.58	298.58	0.00					0.002					
			wacke		036	298.58	299.58	1.00	tr	-			0.006					
			wacke		037	299.58	300.58	1.00	tr	-			0.002					
			wacke		038	300.58	301.58	1.00	0.25	-			0.010					
			wacke		039	301.58	302.58	1.00	tr	-			0.009					
			wacke		040	302.58	303.58	1.00	tr	-			0.011					
			wacke		041	303.58	304.58	1.00	0.5	-			0.016					
			wacke		042	304.58	305.58	1.00	tr	-			0.002					
			wacke		043	305.58	306.30	0.72	tr	-			0.008					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-046

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
306.30	311.63	**CONGLOMERATE** Well foliated and stretched unit of pebble conglomerate with extremely elongate and flattened mafic pebbles sub-parallel to parallel tca. The pebbles are mafic pebbles now chlorite and fuchsite with occasional felsic pebble that has retained more of a rounded shape. Local bands of albite. Well banded unit. Pyrite mineralization is very weak. Sharper upper contact but more gradational lower	congl		044	306.30	307.30	1.00	tr	-			0.002					
			congl		045	307.30	308.30	1.00	tr	-			0.010					
			congl		046	308.30	309.40	1.10	tr	-			0.031					
			congl		047	309.40	310.50	1.10	tr	-			0.010					
			congl		048	310.50	311.63	1.13	tr	-			0.019					
311.63	324.55	**GREYWACKE** Fine grained and rather featureless unit that has undergone moderate silicification and albitization with patches of cream to beige alteration. The unit appears to have interbeds of pebble-poor conglomerate. Conglomerates are more chloritic. Bedding angles are still extremely shallow; parallel tca. Unit is cross-cut by few secondary quartz stringers and veinlets; some hosting weak pyrite and most barren. Pyrite mineralization is fairly weak. Clotty pyrrhotite mineralization at lower contact associated with quartz flooding and associated sericite, yellow carbonate and fuchsite alteration.	wacke		049	311.63	312.63	1.00	0.25	-			0.045					
			wacke		050	312.63	313.63	1.00	<1	-			0.357					
			Blank		051	313.63	313.63	0.00					0.002					
			wacke		052	313.63	314.63	1.00	0.25	tr			0.016					
			wacke		053	314.63	315.63	1.00	0.25	tr			0.002					
			wacke		054	315.63	316.63	1.00	0.25	tr			0.011					
			wacke		055	316.63	317.63	1.00	tr	-			0.009					
			wacke		056	317.63	318.63	1.00	tr	-			0.012					
			Standard		057	318.63	318.63	0.00					3.904					
			wacke		058	318.63	319.63	1.00	<0.5	-			0.006					
			wacke		059	319.63	320.63	1.00	0.25	tr			0.050					
			wacke		060	320.63	321.63	1.00	0.25	-			0.002					
			wacke		061	321.63	322.63	1.00	0.25	-			0.002					
			wacke		062	322.63	323.63	1.00	0.5	-			0.030					
			wacke		063	323.63	324.55	0.92	0.5	-			0.301					
324.55	359.40	**CONGLOMERATE** Very silicous unit of quartz-rich groundmass. The rock is a white-grey to green colouration with a blonde or bleached colouration to approximately 350m. Yellowish colouration to the rock locally as a result of fine sericitization. Remnant pebbles visible locally. Below 350m the unit is more mafic, both in pebble content as well as groundmass. Foliation is at 45 degrees tca by 357m.	congl		064	324.55	326.00	1.45	tr	-			0.088					
			congl		065	326.00	327.50	1.50	tr	-			0.040					
			congl		066	327.50	329.00	1.50	tr	-			0.053					
			congl		067	329.00	330.50	1.50	tr	-			0.014					
			congl		068	330.50	332.00	1.50	0.5	-			0.142					
			congl		069	332.00	333.50	1.50	0.5	-			0.047					
			congl		070	333.50	335.00	1.50	tr	-			0.024					
			congl		071	335.00	336.50	1.50	tr	-			0.018					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-046

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Pyrite mineralization is spotty with pyrite mineralization within the more silicous material as tiny blebs and weak stringers.	congl		072	336.50	338.00	1.50	tr	-			0.012					
			Blank		073	338.00	338.00	0.00					0.002					
			congl		074	338.00	339.50	1.50	<0.25	-			0.019					
			congl		075	339.50	341.00	1.50	0.25	-			0.002					
			congl		076	341.00	342.50	1.50	0.5	tr			0.060					
			congl		077	342.50	344.00	1.50	0.25	tr			0.181					
			congl		078	344.00	345.50	1.50	0.25	tr			0.204					
			congl		079	345.50	347.00	1.50	0.5	tr			0.111					
			congl		080	347.00	348.50	1.50	0.25	-			0.241					
			congl		081	348.50	350.00	1.50	0.5	-			0.213					
			congl		082	350.00	351.50	1.50	0.75	tr			0.499					
			congl		083	351.50	353.00	1.50	0.5	tr			0.037					
			Standard		084	353.00	353.00	0.00					0.758					
			congl		085	353.00	354.50	1.50	tr	-			0.002					
			congl		086	354.50	356.00	1.50	tr	-			0.002					
			congl		087	356.00	357.50	1.50	tr	-			0.002					
			congl		088	357.50	358.50	1.00	tr	-			0.002					
			congl		089	358.50	359.40	0.90	tr	-			0.002					
359.40	375.00	**ARGILLITE**	arg		090	359.40	361.00	1.60	-	-			0.002					
		Very fine-grained grey to black unit of argillite with some late quartz stringers and trace pyrite. Graded bedding evident locally and is finely downhole. The bedding angles start at 40 degrees tca and shallow to sub-parallel tca by 371m. Beds are disrupted by tectonic activity showing crenulations and mm-scale right lateral movement along micro-faults. Micro-faults are oriented at 30 degrees tca.	arg		091	361.00	362.50	1.50	-	-			0.002					
			arg		092	362.50	364.00	1.50	-	-			0.002					
			arg		093	364.00	365.50	1.50	-	-			0.002					

Printed: December-01-16

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	ME47			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Casing remains and capped.
HOLE NO.:	TO16-047	LENGTH (m):	356.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362785.000	EASTING:	471442.000	COLLAR SURVEY BY: Don (GPS and compass)	
SECTION:	TZ_1525W	ZONE:	Thomas Ogden	ELEVATION (m):	286.000	DRILLING COMPANY: Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	164. / -55.0	SURVEYED:	164.000 / -55.000	DATE LOGGED: Sep. 23, 2016 TO Sep. 26, 2016	Core Storage: Norex compound
HOLE STARTED:	September 21, 2016	HOLE FINISHED:	September 25, 2016	MAG:	11.00º w	LOGGED BY: D.Heerema	Page 1 of 11

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	8.80	**OVERBURDEN** A small piece of pink granite boulder is present in the box on top of the underlying ultramafics.																
8.80	214.50	**ULTRAMAFICS** Upper portion of the unit to 35.30m is a dark grey to black highly contorted section with grey carbonate alteration with minor talc and black chlorite. This section is has a zebra type texture with tremendous feldspar banding and knotting that is cross-cut by thin black chlorite stringers and wisps at generally 65 degrees tca. Well fractured with local fe-carb staining. 21.68 - 22.35m: quartz vein at 40 degrees tca -semi-transparent to white quartz with 1% clotty carbonate -stringers and rafts of host ultramafics especially over upper 30cm -no apparent sulphides From 35.30 to 58.90m is a section of the ultramafics that has undergone stronger carbonate alteration. Within this section is olive green carbonate alteration brecciated locally by chlorite stringers as well as late quartz flooding in the form of stringers and narrow veinlets. The green carbonate is fairly pervasive throughout from 5-60%. Associated with the carbonate	um		001	213.50	214.50	1.00	-	-			0.005					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-047

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

alteration is weak, localized silicification causing a cherty appearance. The late quartz flooding ranges throughout in quantity from nil to 10% locally. The quartz veinlets are generally narrower than 1cm and tend to be at very shallow angles tca (sub-parallel) and consist of semi-transparent quartz with 10% clotty white feldspar. Textures throughout the unit vary from massive (speckled) to well banded with off-white felsic banding and brecciation. Spinifex present at 51.10m over a 10cm swath. No evidence of sulphide mineralization.

Below 58.90m the unit becomes darker, softer and more serpentine/talc altered. The rock is a dark grey colour with exception of the upper 5.5m that has a greenish hue as a result of some olive green carbonate. The unit is cut by approximately 15% white feldspar/carb stringers and veinlets that often have black halos forming a weak brecciated texture. Below 178m the core takes on a brecciated texture as a result of an anastomosing serpentine matrix. Foliation at approx 55 degrees but shallows to parallel tca by 104 to 106.75m. Well fractured throughout with areas of very strong fracturing/shearing due to the abundant serpentine content. Fractured and slips are more often less than 40 degrees tca. Appears as numerous flows with slightly finer and more massive basal sections.

74.20 - 77.00m: fault zone at approximately 10 degree tca
-the fracturing pattern is slightly steeper at the contacts but extremely flat in the center of the fault
-extremely fractured with serpentine-rich gouge in the center 1.4m
-a remnant and partially dissolved quartz vein exists at 10 deg tca from 74.60 with a true width of 6cm

81.70 - 82.02m: fault at 25 degrees tca

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-047

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		138.10 - 138.88m: fault with extensive fracturing at 15 degrees tca 172.36 - 172.47m: fault/shear at 50 degrees tca 178.27 - 178.33m: spinifex texture 191.96 - 191.98m: gouge seam at 70 degrees tca 193.48 - 193.55m: gouge seam at 85 degrees tca 201.42 - 201.63m: fault at 85 degrees tca with tremendous gouge																
214.50	219.85	**INTERBEDDED WACKE AND ARGILLITE** This unit consists of moderately to locally strong albitized wacke and darker less altered argillites. The wackes are dark grey with a brown/pink hue as a result of the albitization. Late quartz flooding in the form of smokey to semi-transparent quartz veining present between 215.80 and 216.55m. Associated with the quartz flooding and stronger albitization is significant pyrite and minor pyrrhotite mineralization to 3%. The beds are very gradational but younging cannot be determined. Fine wisps and narrow stringers of pyrite to 0.5% present within the argillitic material. Bedding angles are at 75 degrees tca. 214.50 - 215.15m: felsic dike at 75 degrees tca -purplish colouration -massive and fine-grained with minor quartz flooding and bleached halos 217.43 - 218.55m: felsic dike at 75 degrees tca	F. Dk		002	214.55	215.15	0.60	1.25	-			1.659					
			Int seds		003	215.15	216.30	1.15	3	-			0.690					
			Int seds		004	216.30	217.43	1.13	0.25	-			0.498					
			F. Dk		005	217.43	218.55	1.12	0.5	-			0.043					
			Int seds		006	218.55	219.85	1.30	<0.5	-			0.039					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-047

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		-massive -grey in colour and composed of approx 45% fine feldspar -weak albitization -cut by two 5cm white quartz/feldspar veinlets containing clotty pyrrhotite																
219.85	230.50	**CONGLOMERATE** This is a highly variable unit varying from more mafic sections to much more felsic and silicous sections. Alteration types are highly variable as well. Below is a breakdown of the conglomerates... From 219.85 to 222.30m is a section of the unit that weakly resembles highly fuchsite altered argillites or ultramafics but contains stretched pebbles. This section is well banded with 10% fuchsite and 40% chlorite with stretched/ribboned beige altered pebbles. Some felsic segregations have formed weak bands also. Core angles are 75-80 degrees tca. Pyrite mineralization present as fine disseminations and tiny blebs that locally form loose stringers. From 222.30 to 224.50m is a very silicous portion with a slight marbled texture. Along with immense silicification is moderate albitization/carbonatization causing a beige hue. Occasional fuchsite clots and wisps. Overprinting of alteration has basically obliterated any original textures and visibility of pebbles. Localized quartz flooding from 223.45 to 223.63m. Approximately 5% quartz veinlets throughout. Pyrite mineralization present throughout as very fine disseminations and occasional stringers. Late hairline fractures occasionally annealed by quartz/chlorite at very shallow ca that are barren of sulphides.	cong		007	219.85	220.85	1.00	tr	-	0.165							
			congl		008	220.85	221.65	0.80	0.25	-	0.050							
			congl		009	221.65	222.30	0.65	0.5	-	0.287							
			congl		010	222.30	223.40	1.10	2.5	-	1.517							
			congl		011	223.40	224.50	1.10	2	tr	21.831							
			Blank		012	224.50	224.50	0.00			0.002							
			congl		013	224.50	225.50	1.00	6	0.5	3.742							
			congl		014	225.50	226.50	1.00	1	tr	1.495							
			congl		015	226.50	227.50	1.00	1.5	tr	1.423							
			congl		016	227.50	228.50	1.00	2.5	0.25	1.452							
			congl		017	228.50	229.25	0.75	6	0.5	1.581							
			congl		018	229.25	230.00	0.75	6	0.5	4.648							
			congl		019	230.00	230.50	0.50	<1	-	17.079							

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-047

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		From 224.50 to 230.50m is a portion of extremely foliated, altered and well mineralized conglomerate. Bands of fuchsite, brecciated sericite and albite/carb and pyrite cause the banded texture. Bands vary from 1mm to 1.5cm wide with angles tca starting at 50 degrees and shallowing to parallel by 228.50m. Fine quartz flooding throughout brecciating much of the sericitization. Unit is gritty grey with green and yellow/beige as a result of the alteration mentioned. Pyrite mineralization dominates as fine to moderate blebs that form semi-massive bands locally averaging 4-5% overall with areas as high as 10%; arsenopyrite present also at approximately 0.5%. The sulphides are predominantly associated with the early quartz flooding and alteration. The entire unit is cut by thin <1mm grey quartz stringers that post-date mineralization and alteration. Younger yet white/semi-transparent quartz/feldspar veinlets cross the unit with no associated sulphides with a general orientation of 40-45 degrees tca. Strongest sulphide mineralization between 224.50 to 225.34 and 228.20 to 230.05m Visible gold present at 230.43m as a 6mm cluster of 12 individual flakes. 225.34 - 225.50m: felsic dike at 50 degrees tca																
230.50	235.60	**FELSITE** Extremely hard and massive; grey to white in colour with the appearance of marble. On close examination an intrusive texture can be seen with 35-45% fine white feldspar set in a grey quartz matrix. Very few wispy chlorite stringers throughout. The last 25cm in the interval has increasing sericite alteration to a pervasive yellow colour. Fine disseminated pyrite at approx 1% throughout with additional blebs of pyrite forming	fel		020	230.50	231.50	1.00	1	-			0.156					
			fel		021	231.50	232.50	1.00	1	-			0.585					
			fel		022	232.50	233.50	1.00	1.25	-			0.415					
			Standard		023	233.50	233.50	0.00					2.642					
			fel		024	233.50	234.50	1.00	1.25	-			0.250					
			fel		025	234.50	235.60	1.10	1	-			0.194					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		weak stringers. Unit cut by late barren quartz/feldspar veinlets.																
235.60	236.64	**CONGLOMERATE** Sericite and albite altered section that resembles a conglomerate with what look like remnant pebbles; albeit stretched. The sericite/carbonate causes a yellow colouration where as the albitization is causing a pink colouration. The albitization is extremely fine-grained. Weak banding at approx 90 degrees tca.	cong		026	235.60	236.64	1.04	0.25	-			0.411					
236.64	245.06	**ULTRAMAFICS** Well foliated ultramafics with moderate to strong serp/talc alteration. Soft to scratch. Foliated anywhere from 75 to 90 degrees tca. Local cubic pyrite.	um		027	236.64	237.64	1.00	-	-			0.089					
			um		028	237.64	239.00	1.36	tr	-			0.010					
			um		029	239.00	242.00	3.00	tr	-			0.014					
			um		030	242.00	244.00	2.00	tr	-			0.130					
			um		031	244.00	245.06	1.06	tr	-			0.002					
245.06	247.15	**FAULT/ALTERATION ZONE** Extremely blocky and fractured section with no core exceeding 10cm in length. Abundant gravel size pieces. The unit is pervasively albitized/carbonated to a yellowish/beige colour. White quartz veining throughout at random orientations with clotty chlorite. Quartz material is approximately 25% in abundance. Some very fine pyrite mineralization within the alteration and not associated with the late quartz veining. Many of the breaks are 80-90 degrees tca.	alt/fz		032	245.06	247.15	2.09	tr	-			0.090					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
247.15	260.22	**ULTRAMAFICS** Serpentine and talc altered fairly soft. Slightly more massive and less foliated than the ultramafics noted above the fault zone. More of a massive speckled texture than banded. Approx 5-7% cross-cutting carbonate stringers.	um		033	247.15	248.15	1.00	-	-			0.002					
			um		034	259.22	260.22	1.00	-	-			0.218					
260.22	261.90	**ALTERED ARGILLITE** Finely bedded argillites with immense alteration in the form of albitization and honey yellow carbonate. The bedding is still fairly remnant and shows great distortion and heavy folding. The albitization is so pervasive in places that overprinting of bedding has occurred with pinkish/beige colour. Brecciation has occurred also. The core angles vary from perpendicular to parallel tca with folds evident. Felsic diking has crossed the unit as well as been deformed with the sediments. Pyrite mineralization is heavy throughout as fine disseminations averaging approx 5-6%. Quartz stringers and veinlets cross the unit locally but more common in the lower 35cm. Some of these features are folded and others are cross-cutting. All appear barren in mineralization	arg		035	260.22	261.10	0.88	6	-			3.100					
			arg		036	261.10	261.90	0.80	6	-			0.750					
			Blank		037	261.90	261.90	0.00					0.002					
261.90	271.28	**ULTRAMAFICS** The upper portion of these ultramafics to 263.15m have undergone tremendous quartz flooding not necessarily as veins but more as porphyroblasts and flooding. Carbonate alteration is present as some fine wispy to clotty yellow carb and olive green carbonate with chlorite stringers. A brecciated texture is the best way to describe this section. Pyrite mineralization is present; more than trace but not significant in quantity. Below 263.15m the unit becomes more banded with evidence of some	um		038	261.90	263.00	1.10	tr	-			0.072					
			um		039	263.00	264.00	1.00	tr	-			0.034					
			um		040	264.00	266.00	2.00	tr	-			0.002					
			um		041	266.00	269.00	3.00	tr	-			0.193					
			um		042	269.00	270.28	1.28	tr	-			0.093					
			um		043	270.28	271.28	1.00	tr	-			1.306					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-047

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		minor folding. Late quartz/carb stringers and veinlets cut the core. Fine black chloritic stringers are present as micro-faults.																
271.28	274.10	**ARGILLITE** Finely bedded grey to black argillites with graded bedding showing youging uphole (north). The beds start as silty beds that fine to black aphanitic tops. Alteration is weak to moderate in the finer tops but strong albitization is present in the siltier bases. Bedding angles are at 85 degrees tca and show very little disturbance or deformation. A few late quartz veinlets. Pyrite mineralization present throughout as dust like disseminations in the albitized material and more blebby and stringer form in the finer blacker material. Overall average pyrite content of 2-3%.	arg		044	271.28	272.28	1.00	4	-			4.209					
			arg		045	272.28	273.28	1.00	3	-			1.739					
			Blank		046	273.28	273.28	0.00					0.002					
			arg		047	273.28	274.10	0.82	3	-			0.303					
274.10	281.35	**ULTRAMAFICS** Moderate serpentine and talc alteration with a waxy feel. The rock is relatively hard but can barely be scratched with a finger nail. The rock is moderately foliated and the foliation angles are fairly flat at 10-15 degrees tca. Few off-white carbonate stringers. Trace pyrite at best.	um		048	274.10	275.00	0.90	tr	-			0.031					
			um		049	275.00	278.00	3.00	tr	-			0.017					
			um		050	278.00	280.35	2.35	tr	-			0.096					
			um		051	280.35	281.35	1.00	tr	-			0.033					
281.35	288.64	**FELSIC DIKE** This dike is massive with a purplish/pink hue with gradational patches of beige albitization marbled throughout. The dike is very fine-grained and generally featureless with minor speckled appearance locally. The dike is very silicous and hard. Numerous semi-transparent to white quartz veinlets with clotty chlorite cut the unit at random angles ranging in widths of 2mm to 2cm. The vein structures post-date alteration and	F.dk		052	281.35	282.35	1.00	2	-			1.974					
			F.Dk		053	282.35	283.35	1.00	2	-			0.219					
			F.Dk		054	283.35	284.35	1.00	2	-			0.486					
			F.Dk		055	284.35	285.10	0.75	2	-			1.967					
			F.Dk		056	285.10	285.88	0.78	2	-			0.130					
			um		057	285.88	286.62	0.74	-	-			1.474					
			Standard		058	286.62	286.62	0.00					1.333					
			F.Dk		059	286.62	287.64	1.02	2	-			0.127					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-047

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		mineralization and comprise approx 3-4% of the dike. Pyrite mineralization is pervasive as 1mm blebs and smaller cubes averaging approximately 2%. Stronger mineralization located within the more silicous pinkish material. Contacts are moderate to sharp. 285.88 - 286.62m: ultramafics foliated at 50 degrees tca 286.62 - 287.64m: extremely fractured and blocky and might represent a brittle fault with no gouge	F.Dk		060	287.64	288.64	1.00	2	-			3.745						
288.64	294.93	**INTERBEDDED WACKE AND ARGILLITES** Unit of approximately 50% wacke and 50% finely bedded argillites with weak to moderate alteration. Bedding consists of graded bedding that is well preserved and shows younging as uphole (north). Slightly siltier grey bases fine upwards to black aphanitic tops, generally over 2-4cm. The argillite material shows little alteration except for the last 35cm of the unit that is moderately to strongly albitized and carbonatized with a honey yellow to beige colouration. Late quartz flooding and veinlets present locally. Pyrite mineralization within the argillites is mainly disseminated blebs from <1mm to 1.5mm with local hairline stringers parallel to bedding. Bedding angles start off at 68 degrees tca but steepen to 87 degrees by the base of the unit. The wacke beds are slightly coarser grained and show more albitic alteration as well as silicification. Disseminated pyrite present here also. 290.00 - 290.47m: weakly carbonate altered ultramafics 290.47 - 290.77m: felsic dike at 70 degrees tca	seds		061	288.64	290.00	1.36	0.5	-			0.124						
			um		062	290.00	290.47	0.47	-	-			0.025						
			seds		063	290.47	291.47	1.00	0.25	-			0.049						
			seds		064	291.47	292.47	1.00	1.5	-			0.171						
			seds		065	292.47	293.47	1.00	1.5	-			0.152						
			seds		066	293.47	294.47	1.00	2	-			0.122						
			seds		067	294.47	294.93	0.46	2.25	-			2.156						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-047

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		291.23 - 291.38m: felsic dike -sharp upper and lower contacts at 70 and 43 degrees tca resp.																
294.93	330.65	**ULTRAMAFICS** Soft serpentine and talc altered dark ultramafics cut and banded by tremendous carbonate stringers/bands. The white carbonate material comprises approximately 40% of the unit but decreases in content around 323m where the unit becomes more olive green and fuchsite altered resulting in harder material and a drop in serp/talc alteration. The white carbonate material shows evidence of crenulations. Lower contact subjective and based upon the increased chlorite content and decrease in carb, serp and talc.	um		068	294.93	295.93	1.00	tr	-			0.652					
			um		069	295.93	296.93	1.00	tr	-			0.039					
330.65	341.00	**CHLORITE SCHIST** Deep green chlorite rich section of likely ultramafic protlith. Along with the chlorite is minor brilliant green fuchsite. Quartz/carbonate veinlets present cutting through at random angles. Well foliated anywhere from 55 to 70 degrees tca. Pyrite mineralization as fine irregular stringers composed on tiny blebs. From 337.87 to 341.00m the unit is more massive and speckled and may represent a basal portion of the flow. Hematization has caused a pinkish/purple hue. This is a common horizon at the northern contact with the tuffs.																
341.00	356.00	**TUFF**	congl?		070	354.26	355.10	0.84	-	-			0.002					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-047

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

Chlorite and weakly sericite altered tuffs. Well foliated with sericite/carbonate wisps and stringers; foliation at 30-35 degrees tca. Fairly hard, competent and light to dark green colouration.

354.26 - 355.10m: a fine-grained section with a more massive texture containing 2-3% soft chlorite xenoliths with an elongation parallel to the fabric of the tuffs. Almost appears as an intermediate dike in texture but could be an interflow conglomerate??? Contains approx 1% cubic pyrite to 2mm diameter.

Printed: November-30-16

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	ME47			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Casing remains; it was jammed and couldn't be pulled.
HOLE NO.:	TO16-048	LENGTH (m):	224.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362808.000	EASTING:	471621.000	COLLAR SURVEY BY: Don (GPS and compass)	
SECTION:	TZ_1375W	ZONE:	Thomas Ogden	ELEVATION (m):	280.400	DRILLING COMPANY: Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	179. / -59.0	SURVEYED:	179.000 / -59.000	DATE LOGGED: Sep. 27, 2016 TO Sep. 28, 2016	Core Storage: Norex compound
HOLE STARTED:	September 26, 2016	HOLE FINISHED:	September 28, 2016	MAG:	11º w	LOGGED BY: D.Heerema	Page 1 of 6

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	SAMPLES %Py	SAMPLES %Ars	ASSAYS Pd (g/t)	ASSAYS Pt (g/t)	ASSAYS Au (g/t)	ASSAYS Cu (%)	ASSAYS Ni (%)	ASSAYS Co (%)	ASSAYS Zn (%)	ASSAYS Ag (ppm)
0.00	50.20	**OVERBURDEN** Mixed boulders...volcanics and granite																
50.20	179.70	**ARGILLITE** Well preserved fine beds that gradational change from siltier grey bases to aphanitic black tops. Repetitions in beds are generally approximately 10cm in width. Bedding angles start at approx 50 degrees tca and shallow slowly downhole. Graded beds show younging uphole (north). Minor quartz/carbonate stringers and occasional veinlets generally parallel to bedding with strong evidence of dissolved minerals resulting in vugginess and pits. A fine cleavage is evident ranging from 68-72 degrees tca and acts as fine slip planes during tectonism. Many of the late quartz-carbonate structures follow this same orientation. 73.95 - 75.85m is a section of gritty and coarser grey wacke From 79.30 to 86.60m is extremely blocky and is likely entirely a fault zone. From 83.00 to approximately 84.50m is soft gouge with remnant pieces showing fracture angles of 50 degrees tca. A majority of the fractures are at 50 degrees tca or parallel to bedding at zones of weakness. From approximately 84.70 to	arg		001	83.00	84.70	1.70	-	-			0.029					
			qv		002	84.70	85.70	1.00	tr	-			0.130					
			qv		003	85.70	86.60	0.90	<0.25	-			0.029					
			arg		004	86.60	87.60	1.00	tr	-			0.006					
			arg		005	87.60	88.60	1.00	tr	-			0.009					
			arg		006	88.60	89.60	1.00	tr	-			0.007					
			arg		007	89.60	90.60	1.00	tr	-			0.011					
			arg		008	143.00	144.50	1.50	tr	-			0.002					
			arg		009	144.50	146.00	1.50	tr	-			0.006					
			arg		010	146.00	147.50	1.50	tr	-			0.002					
			arg		011	147.50	149.00	1.50	tr	-			0.006					
			arg		012	149.00	150.50	1.50	tr	-			0.006					
			arg		013	150.50	152.00	1.50	tr	-			0.005					
			arg		014	152.00	153.50	1.50	tr	-			0.007					
			arg		015	153.50	155.00	1.50					0.006					
			arg		016	155.00	156.50	1.50	tr	-			0.002					
			arg		017	156.50	158.00	1.50	tr	-			0.002					
			Blank		018	158.00	158.00	0.00					0.006					
			arg		019	158.00	159.50	1.50	tr	-			0.006					
			arg		020	159.50	161.00	1.50	tr	-			0.002					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-048

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		86.60m is quartz veining at 15 degrees tca. The upper portion to 85.70m is bull white quartz with dissolved out carbonate leaving a vuggy texture. The last portion of the veining to 86.60m consists of 70% grey to white quartz with 30% silicous argillite. Sulphides present as rusted cubes in the argillite at the contact with the quartz in trace quantity. Bedding at 82m shows evidence of tight folding in the form of "z-folds".	arg		021	161.00	162.50	1.50	tr	-			0.007					
			arg		022	162.50	164.00	1.50	tr	-			0.008					
			arg		023	178.70	179.70	1.00	-	-			0.002					
		From 94.00 to 101.40m is another extremely fractured section generally parallel to bedding at 5-10 degrees tca. Minor gouge locally. Very few quartz-carb stringers.																
		By 104m the bedding angles are parallel tca. No quartz structures, alteration or sulphides to note.																
		Between 109 and 112.70m are approximately 5-6% quartz-carbonate stringers and veinlets to 8mm wide exhibiting tremendous pitting and dissolved minerals. Bedding angles are 15 degrees tca. Numerous tiny crenulations in bedding with occasional hairline slip healed by carbonate at 50 degrees tca.																
		Between 112.70 and 131.50m the beds remain well intact and show little evidence of distortion or disruption except for late quartz-carbonate stringers and veinlets with host minor blebs of pyrite. Many of these structures are cutting the core anywhere from 65 to 75 degrees tca. They are following the late cleavage that has developed.																
		Below 131.50m the unit shows more deformation of the bedding. Crenulations and weak folds evident. The bedding angles vary quite a bit from parallel to 40 degrees tca. The ca are steepening slowing downhole. The fine cleavage is very evident from 68 to 72 degrees tca and form the slip planes that show very fine off-sets forming the crenulations. Late quartz-																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-048

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		carbonate stringers and veinlets throughout at approx 8-9% at various angles tca and exhibiting folds and crenulations. Pyrite mineralization associated with these structures in minor amounts as fine to coarse blebs.																
179.70	199.95	**CONGLOMERATE** The conglomerate horizon is composed of changes in sediment material as well as pebble types and quantity. The unit begins as a chlorite-olive green carbonate section to 186.45m. It has the appearance of carbonate altered ultramafics but under close inspection are the presence of stretched clasts. Pebbles consist of silicous to felsic pebbles with sericite alteration. Numerous mafic to ultramafic clasts throughout with the carbonate alteration give to the ultramafic appearance. The groundmass is a gritty grey composition. Core angles steepen to 50 degrees by 186m and to 75 degrees by the base of the unit. Pyrite mineralization as fine to 1mm cubes as well as local stringers. Below 186.45m the conglomerate becomes very clast poor consisting of a coarse gritty silicous sandstone with tiny quartz porphyroblasts. The pebbles are well stretched at 10:1 and consist mainly of dark green chlorite and elongate sericitic clasts averaging only 2% of the unit. The clasts before even less in abundance downhole towards the base of the unit where banding increases slightly with minor sericite and fuchsite.	congl		024	179.70	180.85	1.15	0.5	-								0.015
			congl		025	180.85	182.00	1.15	0.5	-								0.013
			Standard		026	182.00	182.00	0.00										3.066
			congl		027	182.00	183.00	1.00	0.5	-								0.008
			congl		028	183.00	184.00	1.00	0.5	-								0.006
			congl		029	184.00	185.00	1.00	tr	-								0.009
			congl		030	185.00	186.00	1.00	tr	-								0.002
			congl		031	186.00	187.00	1.00	tr	-								0.006
			congl		032	187.00	188.00	1.00	tr	-								0.002
			congl		033	188.00	189.00	1.00	tr	-								0.002
			congl		034	189.00	190.00	1.00	tr	-								0.025
			congl		035	190.00	191.00	1.00	tr	-								0.002
			congl		036	191.00	192.00	1.00	tr	-								0.006
			congl		037	192.00	193.00	1.00	tr	-								0.006
			Blank		038	193.00	193.00	0.00										0.005
			congl		039	193.00	194.00	1.00	tr	-								0.008
			congl		040	194.00	195.00	1.00	tr	-								0.007
			congl		041	195.00	196.00	1.00	tr	-								0.007
			congl		042	196.00	197.00	1.00	tr	-								0.002
			congl		043	197.00	198.00	1.00	0.25	-								0.002
			congl		044	198.00	199.00	1.00	0.5	-								0.006
			congl		045	199.00	199.95	0.95	0.5	-								0.002

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-048

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
199.95	207.80	**FELSITE** Grey to white marbled appearance with a fairly intrusive texture. The unit consists of 65% grey quartz and 30% feldspar and 5% pyrite + sericite + chlorite. Part of the marbled texture are white quartz/carb knots and irregular stringers to veinlets that do not have the appearance of late structures but rather formational. Extremely hard and competent. Contacts are rather diffuse. Pyrite mineralization is finely disseminated throughout at approx 1.5% with slightly larger blebs (1mm) associated with chlorite clots. The mineralization is weaker in the sericite altered material mentioned below at approx 0.5% pyrite. Visible gold as two large clots at 200.91m in a low angle (40 deg tca) quartz structure. Was found on the cut surface. Clots are 2 x 5mm each. From 203.83 to 206.15m is a section of material that is texturally the same as the felsite but contains 15% wispy to weakly banded sericite. Conglomerate??? Contacts are fairly diffuse. 200.66 - 200.76m: fractures at 75 degrees tca with fe-staining -weak bleaching associated with the fe-staining	fel		046	199.95	200.95	1.00	1.5	-			40.610					
			fel		047	200.95	201.95	1.00	1.5	-			1.324					
			fel		048	201.95	202.95	1.00	1.5	-			0.337					
			fel		049	202.95	203.95	1.00	1.5	-			0.196					
			fel		050	203.95	204.95	1.00	<0.5	-			0.090					
			Blank		051	204.95	204.95	0.00					0.009					
			fel		052	204.95	205.95	1.00	<0.5	-			0.029					
			fel		053	205.95	206.95	1.00	1	-			0.470					
			fel		054	206.95	207.80	0.85	1.5	-			0.682					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-048

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
207.80	214.40	**CONGLOMERATE**	congl		055	207.80	209.09	1.29	3	tr			1.641					
		Highly variable unit with strong alteration that was overprinted much of the original textures. Below is a breakdown by the different sections of the unit...	congl		056	209.09	210.09	1.00	<0.5	-			6.821					
			congl		057	210.09	211.09	1.00	<0.5	-			0.359					
		From 207.80 to 209.09m is a well altered section with a tight foliation at 70 degrees tca. The alteration consists of albite, fuchsite, silica and sericite in order of abundance. Very fine albite has caused a buff cream colour with thin wisps and bands of fuchsite and sericite. Patchy alteration that is highly variable from 70% fuchsite over 6cm to 70% albitized sections. Pyrite mineralization present throughout, associated mainly with the fuchsite-rich portions. Trace arsenopyrite.	congl		058	211.09	212.00	0.91	<0.5	-			0.408					
			Standard		059	212.00	212.00	0.00	<0.5	-			3.780					
			congl		060	212.00	212.40	0.40	7.5	tr			2.121					
		From 209.09 to 214.40m is extremely silicous with a silica/albite overprinting destroying original textures. The rock for the most part is a grey/beige/brown colouration with sections of strong sericite alteration causing a yellowing. Very few late quartz features cross the unit. Local banding of green fuchsite between 212.60 and 214m at 70-80 degrees tca. Weak mineralization throughout with the exception from 212.00 to 212.40m where approximately 7-8% pyrite and trace arsenopyrite exist as subhedral to euhedral growths.	congl		061	212.40	213.40	1.00	<0.5	-			0.496					
			congl		062	213.40	214.40	1.00	<0.5	-			0.186					
		Visible gold as a 1.5 x 2.0mm clot at 209.17m. Additional 3 clusters of flakes present as 1 x 1mm at 209.20, 209.21 and 209.23m.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-048

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
214.40	224.00	**ULTRAMAFICS** The ultramafics start off as weakly carbonate altered (olive green) but gradationally increase in serpentine and talc alteration downhole to a soft waxy feel. White carbonate stringers and veinlets common throughout at approx 20%. End of Hole.	um		063	214.40	215.40	1.00	-	-			0.014					
			um		064	215.40	216.40	1.00	-	-			0.007					

Printed: November-29-16

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	P8384			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Casing remains and capped.
HOLE NO.:	TO16-049	LENGTH (m):	416.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362457.870	EASTING:	417550.500	COLLAR SURVEY BY: Talbot Surveys	
SECTION:	TZ_1475W	ZONE:	Thomas Ogden	ELEVATION (m):	284.670	DRILLING COMPANY: Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	359. / -59.0	SURVEYED:	356.700 / -61.700	DATE LOGGED: Sep. 30, 2016 TO Oct. 04, 2016	Core Storage: Norex compound
HOLE STARTED:	September 29, 2016	HOLE FINISHED:	October 04, 2016	MAG:	10.75º w	LOGGED BY: B.Polk & D.Heerema	Page 1 of 11

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	46.80	**OVERBURDEN**																
46.80	106.80	**INTERMEDIATE TUFFS** Light to medium green, fine to medium grained intermediate tuffs. Generally thick bedded but, locally thin bedded. Very oxidized, pale brown, very broken and locally muddy from ovb contact to 58.4 meters, broken without oxidization and locally vuggy about rare quartz veinlets to 72.5m, very blocky. 3% quartz carbonate alteration (plus or minus chlorite) as fine, crisp stringers (4cm max), generally cross-cutting foliation. A few qcveins at eo interval are orangish/pinkish in hue. Minor patchy chlorite alteration as foliation/bedding parallel networks over meter scale. Bedding consistent at 45 .dtca, crosscutting qcalteration often 55dtca or irregular. No mineralisation noted																
106.80	124.90	**FRAGMENTAL**																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: B.Polk & D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-049

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		darker green, distinctive fragmental textured rock, matrix supported with moderately to severely flattened clasts from cm to dm scale, largest at 18cm. Matrix is often bedded and tuffaceous. Some intervals near top of unit void of larger clasts i.e tuff only. 2% quartz carbonate alteration as fine often crisp but sometimes discontinuous stringers and occasional veinlets. Some stringers are clast confined. Bedding/foliation is poorly to moderately defined at 30 to 35 dtca, shallowing at eo interval. Discontinuous crosscutting qcalteration is generally 40dtca and subparallel with schistocity. No mineralisation noted.																
124.90	132.70	**INTERMEDIATE TUFF** light to medium green, fine to medium grained poorly bedded tuffs. A few cross cutting qc stringers, plus or minus chlorite, <1cm. 1 low angle qc stringer at 10 dtca, <1cm. Bedding parallel chlorite alteration in anastamosing networks locally. Crisp structural contact at 129.6m, attendant serc/qchl alteration, 30dtca, crosscutting bedding. Broken and blocky 129.5 to 130.6m. Foliation moderately developed at 25 to 35 dtca																
132.70	152.60	**INTERMEDIATE TUFF, MAUVE ALTERED** weakly mauve coloured, medium grained tuff. Contacts are marked by thin lamination of alteration incl. Sericite, quartz carbonate, minor hematitic alteration. Weakly hematitic in patches throughout. Abundant chloritic speckling throughout. 3% often pinkish quartz carbonate alteration plus or minus chlorite, albite, generally disrupted and crosscutting bedding/foliation at low angles or rotation. Minor occurrence of bright yellow mineral in qcalteration at 149.6 (?). Foliation moderately developed at 25 to 35 dtca.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: B.Polk & D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-049

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Minor low angle fracturing at 138.4 to 139.2. No mineralization evident. Drillers appear to be using copper-kote lubricant																
152.60	162.00	**INTERMEDIATE TUFF** pale green, moderately foliated, fine to medium grained tuffs. Minor quartz carbonate alteration plus or minus chlorite, generally crosscutting. Moderate foliation at 25 to 45 dtca. No mineralisation evident																
162.00	203.60	**INTERMEDIATE TUFFS, MAUVE ALTERED** mauve coloured, medium grained, tuffs as above. Upper contact is laminated over 1 meter and indistinct. Lower contact is indistinct, structurally disrupted and altered with sericite and quartz carbonate. Locally abundant quartz, carbonate, chlorite, albite alteration as broken, disrupted low angle veinlets 162.6 to 168.7m and 191.2 to 192.3m. Mauve colouration wanes from strong to weak at about 171m. Speckled dark green chlorite alteration of frags(?) persists. Foliation is moderately developed, 40 and contorted at 168, 40dtac @ 172.5, 20 dtca @ 175m, 179m, 30 @ 186m, 30dtca @189m, 25 dtca @ 194, and 55dtca @ 199m., Low angle quartz chlorite, albite carbonate veinlet is highly disrupted and boudinaged (?) at																
203.60	257.67	**INTERMEDIATE TUFFS** somewhat brighter green, moderately foliated, fine grained tuffs. Generally weakly altered with patchy chlorite, sericite and 3-5% quartz carbonate alteration (patches and a few qc stringers, often pinkish). Rock is quite pale and bleached from 223 to end of interval, with patchy quartz, chlorite, carbonate alteration,	alt		001	245.40	246.10	0.70	1	-			0.020					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		generally parallel to foliation. No mineralization noted. Foliation is 50dtca @ 204.5m, 45dtca @207m, 45dtca @ 212m, 218, 221. Rock has structural complexity from 215 to 217m, including, stylolitic or crenulated chlorite, increased sericite, chlorite alteration. 245.52 - 245.58m: quartz-carbonate vein at 55 deg tca -clotty pyrite and chalcopyrite -pervasive k-spar alteration halo (10cm uphole and 50cm downhole)																
257.67	273.40	**CHLORITE SCHIST** Upper portion of the unit is more massive with a speckled texture and weak hematization to 259.50m. Below 259.50m the unit is well foliated to banded with chlorite and fuchsite alteration and quartz-carb stringers. Fuchsite alteration is strongest around quartz-carbonate veinlets and late quartz porphyroblasts. The foliation is oriented at 70 degrees tca. Micro-scale crenulations and folds present in narrow 1-3mm quartz-carb stringers. Pyrite mineralization as fine disseminated cubes as well as occasional stringers. From 271.80 to 272.50m contains the strongest mineralization; the sulphides consist of pyrite clots and stringers associated with late quartz-carb veining, quartz porphyroblasts and strong fuchsite. 261.03 - 261.20m: a fracture zone with quartz-carb veining and fuchsite alteration 264.55 - 265.25m: well fractured section with poker chip core over the upper 18cm at 80 degrees tca. Fault??	chl sch		002	271.50	272.50	1.00	2	-			0.313					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
273.40	357.04	**ULTRAMAFICS**	f.dk		003	324.60	325.50	0.90	1	-			0.039					
			um		004	355.04	356.04	1.00	-	-			0.008					
			um		005	356.04	357.04	1.00	-	-			0.214					

Upper portion to 281m is olive green carbonate altered with weak yellow carb and trace fuchsite. Quartz flooding is more common here and likely related to the alteration. Below 281m the unit becomes the more typical dark and soft serp/talc altered material.
Well foliated with evidence of tremendous tectonic activity. The foliation is quite variable and starts at 30 degrees tca but shallows to sub-parallel by 288.5m. The foliation angle steepens to 55 degrees by 328m and 80 degrees by 340m. Waviness and crenulations evident. The unit is approximately 40% white quartz/carb/felds stringers and bands. Boudinaging and local areas of porphyroblasts and strain shadows. Cross-cutting chloritic stringers evident throughout that cut across, warp and locally off-set the banding with mm-scale right lateral movement. Local areas of moderate silicification.

The foliation angle goes from shallow to steep very quickly between 322 and 328m where tremendous tectonism is evident. Strong evidence of boudins, porphyroblasts and folds. Could it represent a fold hinge??

324.60 - 325.50m: felsic to intermediate dike at 30 degrees tca
-fine to medium-grained
-grey with 35-40% white/cream subhedral feldspar
-contacts sharp
-quartz-carb stringers and veinlets random but do favour 75 degrees tca
-pyrite mineralization disseminated through as well as minor blebs and clots along hairline chlorite stringers

334.33 - 334.40m: fault at 85 degrees tca
-gouge

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		344.97 - 345.30m: fault at 65-70 degrees tca -highly fractured with some remnant gouge																
357.04	363.26	**CONGLOMERATE** This is a highly altered unit with patchy and variable alteration. The unit varies from silicous and well albitized to patches of intensely banded fuchsite/sericite alteration. Tiny semi-transparent quartz porphryoblasts present throughout. The upper section to 359.55m is very fine-grained and grey/beige in colour as a result of tremendous silicification and albitization. Brecciated texture as is appears pervasive albitization has been brecciated by silicification. However, the fragments are round and not angular. This unit could be altered ultramafics with alteration overprinting. Sharp upper and lower contacts. Unit is cut by low angle black chlorite/grey quartz stringers at 22 degrees tca and white quartz veinlets at a preferred orientation of 30 degrees tca. The chlorite/quartz structures post-date the quartz veinlets. Pyrite mineralization as <1mm cubes and blebs at approx 1%. From 359.55 to 360.1m is a section is immense (40%) fuchsite banding with less sericite (20%) with quartz flooding and mineralization. The banding is at 80 degrees tca and shows evidence of local deformation as a result of folded grey/white quartz-carb flooding and veinlets. Mineralization consists of 3% anhedral to subhedral pyrite and 0.5% needle arsenopyrite. The arsenopyrite is closely associated with the fuchsite. From 360.10 to 362.77m is section of moderate to strong carbonate/albitization and silicification with less sulphide. The unit is buff grey colour. Slight increase in pyrite between 360.50	congl		006	357.04	358.00	0.96	2	-								0.345
			congl		007	358.00	358.80	0.80	2	-								0.418
			congl		008	358.80	359.55	0.75	0.5	-								1.077
			congl		009	359.55	360.10	0.55	3	0.5								1.887
			congl		010	360.10	361.10	1.00	<0.5	tr								0.629
			Blank		011	361.10	361.10	0.00										0.002
			congl		012	361.10	362.10	1.00	1	<0.5								2.945
			congl		013	362.10	363.26	1.16	0.25	-								0.219

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		and 360.96m associated with quartz flooding. Arsenopyrite mineralization present from 361.25 to 361.95m with slightly stronger pyrite mineralization. Visible gold present at 361.81m as 3 tiny flakes. The largest flake is approx 0.5mm x 0.5mm. The quartz is located in a quartz veinlet parallel to foliation at 85 degrees tca. 362.77 to 363.26m is a well fuchsite and sericite banded at 85 degrees tca with less quartz flooding and much less sulphide than the fuchsite-rich section noted above.																	
363.26	377.12	**ARGILLITE** This unit consists of finely bedded argillite with patchy alteration associated with quartz structures. The beds are generally well preserved with more local deformation. The beds fine from grey siltier bases to black aphanitic tops younging downhole. The unit is mostly black in colour with exception of the altered sections. A late cleavage is evident at 52 degrees tca. Sulphide mineralization is mainly found within the altered sections also. Trace to minor pyrite can be found within quartz-carb stringers within the less altered material. Within altered sections or area of slight silicification the pyrite can reach as high as 2-3%. 363.26 - 366.70m is an altered section of green carbonate, beige albitization and minor sericite bands and wisps. Quartz flooding from 365.42 to 365.53m. Strongest alteration and mineralization between 365.53 and 366.0m. 367.40 - 367.80m: brecciated quartz veinlets exhibiting folding that has brecciated sericite/albite banding. Trace pyrite 371.00 - 371.47m: a brecciated section that has been healed by	arg		014	363.26	364.12	0.86	tr	-								0.084
			arg		015	364.12	365.12	1.00	tr	-								0.039
			arg		016	365.12	366.12	1.00	1	-								0.111
			arg		017	366.12	367.12	1.00	0.5	-								0.063
			arg		018	367.12	368.12	1.00	tr	-								0.002
			arg		019	368.12	369.12	1.00	tr	-								0.002
			arg		020	369.12	370.12	1.00	0.5	-								0.002
			Standard		021	370.12	370.12	0.00										2.785
			arg		022	370.12	371.12	1.00	tr	-								0.014
			arg		023	371.12	372.12	1.00	<1	-								0.016
			arg		024	372.12	373.12	1.00	0.5	-								0.002
			arg		025	373.12	374.12	1.00	tr	-								0.002
			arg		026	374.12	375.12	1.00	0.25	-								0.012
			arg		027	375.12	376.12	1.00	2	-								0.270
			arg		028	376.12	377.12	1.00	<1	-								0.450

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		quartz veining. The quartz is semi-transparent to white and hosts angular to sub-angular fragments of host argillite. Healed fault?? Orientation of 60 degrees tca. Pyrite mineralization from cubes to blebs averaging 1% with strongest mineralization in quartz-rich material from 371.30 to 371.47m. 371.47 to 372.40m is a section with tremendous sericite and olive green carbonate alteration and banding. The bands show strong evidence of tectonic movement as bands are displaced up to 1cm on thin structures. The micro-fault structures have an orientation of 83 degrees tca. Late grey quartz flooding have intruded the bedding at random angles tca and disrupted banding but no evidence of movement. Gradational lower alteration contact 376.50 to 377.12m is a like above. The tectonic structures are more abundant with an angle of 64 degrees tca. Displacements are highly recognizable.																
377.12	378.55	**INTERMEDIATE DIKE** Fine-grained massive dike with a grey colouration. The dike is relatively featureless with only a couple sericite bands and one 2cm quartz veinlet. The dike appears to become more silicous gradationally downhole. Approx 1.5% disseminated pyrite. Contacts are moderate to sharp.	dike		029	377.12	378.55	1.43	1.5	-			0.070					
378.55	379.80	**ULTRAMAFICS** Olive green carbonate altered and weakly to moderately silicous. Narrow dikes cut the unit with diffuse to moderate contacts.	um		030	378.55	379.80	1.25	tr	-			0.723					

DIAMOND DRILL CORE LOGGING SHEET

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METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
379.80	380.82	**INTERMEDIATE DIKE** Similar to dike above but slightly coarser-grained and no banded sericite. The contacts are finer-grained, sharp and greener in colour (chlorite?). Minor disseminated pyrite.	dike		031	379.80	380.82	1.02	0.5	-			0.012					
380.82	382.40	**ULTRAMAFICS** Dark olive green carbonate altered and well foliated ultramafics. Foliation angle of 85-87 degrees tca. 381.15 - 381.35m: dike material with more diffuse contacts	um		032	380.82	381.60	0.78	tr	-			0.002					
			um		033	381.60	382.40	0.80	tr	-			0.002					
			standard		034	382.40	382.40	0.00					3.251					
382.40	384.17	**FELSIC DIKE** This dike starts off as a darker more intermediate dike that gradationally appears for felsic downhole. Alteration consists of very fine albite and k-spar causing a pinkish/beige colouration. Intrusion of quartz not uncommon; found as veinlets and flooding. The late quartz structures are barren on sulfides. Cubic pyrite present from <0.5mm to 1mm in diameter. Pyrite content is approximately 0.5-0.75% throughout.	dike		035	382.40	383.40	1.00	0.5	-			0.163					
			dike		036	383.40	384.17	0.77	0.5	-			0.119					
			Blank		037	384.17	384.17	0.00					0.002					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
384.17	386.87	**ULTRAMAFICS** Olive green carbonate altered and well foliated at 85 degrees tca. Approximately 20% thin white carbonate stringers throughout. Trace fine pyrite at best.	um		038	384.17	385.07	0.90	tr	-			0.016					
			um		039	385.07	385.97	0.90	tr	-			0.009					
			um		040	385.97	386.87	0.90	tr	-			0.020					
386.87	390.00	**INTERMEDIATE DIKE** This dike is quite variable as it has mafic and felsic patches. The center portion of the dike appears more felsic than the outer portions but might be an alteration affect. The center of the dike hosts some late quartz structures that have associated silicification and albitization halos causing a pinkish/beige colouration. The remainder of the dike is very dark grey to black. Fine biotite in great abundance at lower contact. Pyrite throughout as fine disseminations averaging 2%. Found within the shallow angle quartz stringers between 387.95 and 388.80m is blebby pyrite, pyrrhotite, fine and coarse arsenopyrite as well as occasional clots of sphalerite.	I.Dk		041	386.87	388.00	1.13	0.25	tr			0.185					
			I.Dk		042	388.00	389.00	1.00	1.5	0.5			0.553					
			I.Dk		043	389.00	390.00	1.00	1.5	tr			0.010					
390.00	416.00	**ULTRAMAFICS** Very soft talc-rich unit with anastomosing serpentine/carbonate fractures almost like pillow selvages (polysutured?). The unit is much different than the ultramafics uphole with no banded carbonate stringers. The carbonate is found with serpentine at random angles tca. Well fractured unit to begin with but fractures decrease moving downhole. 396.25 - 396.54m: fault at 65 degrees tca -was healed by white quartz-carb-felds veining -has been reactivated with minor gouge in center 4cm	um		044	390.00	391.00	1.00	-	-			0.025					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		End of Hole																

Printed: November-29-16

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	PP22			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Casing remains in the hole and capped.
HOLE NO.:	TO16-050	LENGTH (m):	302.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362615.000	EASTING:	471742.000	COLLAR SURVEY BY: Don (GPS & compass)	
SECTION:	TZ_1250W	ZONE:	Thomas Ogden	ELEVATION (m):	278.000	DRILLING COMPANY: Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	359. / -52.0	SURVEYED:	359.000 / -52.000	DATE LOGGED: Oct. 06, 2016 TO May. 10, 2016	Core Storage: Norex compound
HOLE STARTED:	October 04, 2016	HOLE FINISHED:	October 12, 2016	MAG:	10.75º w	LOGGED BY: D.Heerema	Page 1 of 10

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	30.50	**OVERBURDEN**																
30.50	45.80	**TUFF** Grey green unit containing approx 30% speckled chlorite. Weak k-spar alteration locally. Well fractured from top of hole to 34.30m. 37.60 - 39.32m: intermediate dike -sharp upper and lower contacts 47 and 80 degrees tca resp -fine-grained and massive -grey in colour and cut by irregular quartz-carbonate veinlets -weak k-spar and sericite alteration of feldspars																
45.80	68.50	**FRAGMENTAL** Bleached grey tuffacous groundmass containing 25-30% chlorite specks like uphole but hosts sub-angular ash fragments. The fragments range from mm to cm-scale and show weak elongation at 75 degrees tca. Fragments are cream coloured and much more abundant between 45.80 and 55.40m before becoming less abundant and harder to distinguish downhole. Very competent unit with very few breaks.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-050

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
68.50	80.70	**SERICITE-CHLORITE SCHIST** This unit is well foliated and as a result is composed of 35% banded and wispy sericite within a deep green chlorite groundmass. The unit has a well striped appearance at 75 degrees tca. Fine quartz-carbonate in the form of hairline stringers and porphyroblasts throughout at approx 5-8%. Local areas of clotty fe-carb. 68.55 - 69.02m: intermediate dike at 60 degrees tca -fine-grained, massive and grey -one low angle quartz-carb veinlet at 15 degrees tca (1cm wide) 75.69 and 75.76m are two breaks with tremendous fe-carb and rusty halo for 25cm in both directions.																
80.70	90.60	**CHLORITE SCHIST** More massive and speckled with hematization from 80.70 to 83.33 as is typically seen here. Below this the unit become are dark green chlorite-rich unit of likely ultramafic prolith showing strong foliation and local deformation. Foliation angle at 75 degrees tca. Lower contact based upon loss of chlorite and appearance of serp and olive green carbonate alteration.															
90.60	95.00	**ULTRAMAFICS**															

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-050

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	SAMPLES %Py	SAMPLES %Ars	ASSAYS Pd (g/t)	ASSAYS Pt (g/t)	ASSAYS Au (g/t)	ASSAYS Cu (%)	ASSAYS Ni (%)	ASSAYS Co (%)	ASSAYS Zn (%)	ASSAYS Ag (ppm)
		The upper portion of this unit are olive green carbonate altered showing strong crenulations and local folding of white carbonate stringers and bands. Serpentine alteration increasing downhole. 93.53 - 95.00m: healed fault structure? This section is extremely soft and serpentine altered and is now a true 'soapstone'. Appearance of brecciation over the upper 45cm. Irregular carbonate veining below 94m with rustiness.																
95.00	99.06	**CHLORITE SCHIST** Deep green chlorite altered unit typical of the chlorite schist with 3-5% brilliant green fuchsite is wisps throughout. Evidence of folds and crenulations as seen in the carbonate veins and stringers. Minor pyrite mineralization as fine cubes forming weak stringers locally.																
99.06	100.06	**SERICITE-CHLORITE SCHIST** Similar to the unit above but less chlorite and more silicification. Sericite bands and wisps throughout at 25%. Sharp contacts at 50 degrees tca. No sulphides.																
100.06	185.68	**ULTRAMAFICS** The unit is fairly carbonate altered and very well foliated with strong evidence of deformation. Moderate hardness with minor serpentine alteration. Non-magnetic. Foliation angles are variable strating at 75 degrees and shallowing to 45 degrees tca by 122m. The unit is extremely banded with white carbonate stringers and bands at approx 50%. Local areas of fe-	l.dk		001	122.45	122.85	0.40	1.5	-			0.002					
			um		002	184.68	185.68	1.00	-	-			0.059					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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

carbonate. Crenulations and local folding evident. Crossing the foliation and acting as small scale hinge lines are black chlorite stringers ranging from 40 to 60 degrees tca. Pyrite mineralization as subhedral to euhedral cubes (to 6mm) and create local patches of mineralization.

122.45 - 122.85m: intermediate dike at 40 degrees tca
-grey with a flow texture
-off-white to soft pink plag at 50% in center with more chloritic boundaries
-1.5% fine to cubic pyrite at 1mm

129.00 - 129.15m: area of brecciated silicification healed by black chlorite. Old fault structure at 45 degrees tca??

133.50 - 133.75m: brittle fault at 55 degrees tca
-numerous fractures with rust staining and fe-carb alteration
-fuchsite alteration to 134.13m

135.55 - 136.15m: fault zone 30 degrees tca
-moderate fracturing with associated fe-carb and some pitting
-weak remant gouge

137.60 - 137.87m: intermediate dike at 30 degrees tca
-dark with pinkish plag
-1% fine cubic pyrite

A section from 138.75 to 152.35m is a section of olive green carbonate, chlorite and weak fuchsite alteration and resembles more of the chlorite schist unit than the serpentine/talc altered unit logged as ultramafic. Well foliated at 50-60 degrees tca. Minor late quartz-carb veinlets with associated fuchsite

Below 152.35m the unit is darker with stronger serpentine-talc

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-050

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		alteration resulting in softer waxy feeling core. Gradationally downhole the rock very slowly increases in olive green carbonate. 152.60 - 153.00m: a well fractured section with serpenitine-rich slips at 35 degrees tca. 155.10 - 156.10m: fault at 90 degrees tca -serpentine-rich poker chip core over upper 80cm -remnant gouge present																
185.68	193.63	**SILICOUS ZONE** This portion of the hole could be either altered ultramafics or conglomerate but for the most part, the alteration (silification) is so strong it has obliterated orignal textrues. The unit is grey very hard. Angular shards of olive green carb altered material present that locally resemble potential clasts and in other areas are bands that resemble ultramafics. Trace to minor pyrite. From 185.68 to 188.05m is a section of less alteration and is a gritty conglomerate consisting of a sandtone groundmass with small pebbles that are elongate parallel to foliation at 40-45 degrees tca. A fine cleavage cutting across the foliation evident locally at 60 degrees tca. Late quartz stringers cut the core at approx 80 degrees tca. Weak pyrite mineralization. Weak albite and sericite alteration. Below 188.05m the alteration varies from olive green carboante and brillant green fuchsite to sections of honey yellow/dark brown albitization and carbonate. From 191.06 to 191.60m is a section of immensely contorted and folded carbonate alteration with moderate fuchsite. The alteration is patchy amongst strong	congl		003	185.68	186.68	1.00	tr	-			0.002					
			congl		004	186.68	187.68	1.00	tr	-			0.144					
			congl		005	187.68	188.68	1.00	tr	-			0.016					
			sil zone		006	188.68	189.68	1.00	tr	-			0.002					
			sil zone		007	189.68	190.68	1.00	tr	-			0.007					
			sil zone		008	190.68	191.68	1.00	tr	-			0.016					
			sil zone		009	191.68	192.69	1.01	tr	-			1.146					
			sil zone		010	192.68	193.63	0.95	tr	-			0.227					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-050

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		silicification. The last 1.25m of the unit is the more albitized and honey coloured carbonate alteration.																
193.63	225.35	**CONGLOMERATE** The unit is a pebble/cobble rich conglomerate with variable alteration. The upper portion of the unit to 208.40m is weak to moderately chlorite/sericite altered with very distinct pebble to cobbles. The groundmass is a darker green hosting approximately 55% sericite altered clasts that show moderate to strong elongation at 45-55 degrees tca. Very competent with few breaks and only trace pyrite mineralization. From 208.40 to 211.65m the unit is much more silicous with a dark grey quartz flooding and associated honey brown carbonate and fine beige albitization. Locally overprinting of original textures. From 211.65 to 225.35m the alteration consists of very strong sericitization and albitization with trace to minor flecks and wisps of green fuchsite. Sericite throughout the unit is finely banded to wispy amongst the more pervasive albitization. Local silicification. The rock is a pervasive cream to yellow colouration with a washed/diffuse appearance; clasts are generally recognizable with local areas of alteration overprinting. Quartz eyes present over last 1.45m to 20%. Very fine pyrite mineralization in trace to minor quantity.	congl		011	193.63	195.00	1.37	0.5	-								0.219
			congl		012	195.00	196.50	1.50	0.5	-								0.355
			congl		013	196.50	198.00	1.50	tr	-								0.007
			congl		014	198.00	199.50	1.50	tr	-								0.008
			congl		015	199.50	201.00	1.50	tr	-								0.006
			Blank		016	201.00	201.00	0.00										0.002
			congl		017	201.00	202.50	1.50	tr	-								0.187
			congl		018	202.50	204.00	1.50	tr	-								0.453
			congl		019	204.00	205.50	1.50	0.25	-								0.229
			congl		020	205.50	207.00	1.50	0.25	-								0.183
			congl		021	207.00	208.50	1.50	tr	-								0.137
			congl		022	208.50	210.00	1.50	0.25	-								0.194
			Standard		023	210.00	210.00	0.00										0.763
			congl		024	210.00	211.50	1.50	0.25	-								0.210
			congl		025	211.50	213.00	1.50	tr	-								0.025
			congl		026	213.00	214.50	1.50	tr	-								0.002
			congl		027	214.50	216.00	1.50	tr	-								0.002
			congl		028	216.00	217.50	1.50	tr	-								0.046
			congl		029	217.50	219.00	1.50	tr	-								0.008
			congl		030	219.00	220.50	1.50	tr	-								0.009
			congl		031	220.50	222.00	1.50	tr	-								0.006
			congl		032	222.00	223.50	1.50	tr	-								0.128
			congl		033	223.50	224.50	1.00	tr	-								0.454
			Blank		034	224.50	224.50	0.00										0.002
			congl		035	224.50	225.35	0.85	0.75	-								0.128

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-050

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
225.35	227.00	**GREYWACKE** Gritty grey unit with a local patch of fuchsite/carb alteration and another of silicous and sericite/albite banding. The unit is generally featureless and moderately chlorite. The upper 40cm is more olive green carb altered with fuchsite/quartz stringers that gradationally disappear downhole. From 225.90 to 226.13m is a section of potential altered argiilte with moderate to strong sericite and albite with minor silicification. Trace mineralization except for increased mineralization over the lower 30cm (2%) where it gradationally increases downhole.	wacke		036	225.35	226.15	0.80	tr	-			0.040					
			wacke		037	226.15	227.00	0.85	tr	-			0.405					
227.00	242.86	**CONGLOMERATE** Different conglomerate than uphole, this conglomerate is very mafic/ultramafic clast rich. A majority of the upper portion of the unit is extremely silicous and overprints the original textures. The unit is so silicous in sections that it resembles a fuchsite bearing felsite. Below is a breakdown of the unit... 227.00 to 230.80m: extremely silicous -extremely hard -grey and relatively massive -cut by hairline black chlorite/amphibole stringers -fuchsite wisps and clots with bands at around 228.50m -strongly resembles a felsite but contains occasional remnant pebble -weak to moderate sericite, albite and honey brown carbonate -approximately 1.5% fine cubic pyrite disseminated throughout along with trace to minor arsenopyrite 230.80 to 232.00m: a section of well foliated and well carbonate altered; olive green coloured -foliation at 85-90 degrees tca	congl		038	227.00	228.00	1.00	<0.5	-			0.459					
			congl		039	228.00	229.00	1.00	0.75	tr			0.164					
			congl		040	229.00	230.00	1.00	0.75	tr			0.216					
			congl		041	230.00	231.00	1.00	1	tr			0.117					
			congl		042	231.00	232.00	1.00	5	-			0.679					
			congl		043	232.00	233.00	1.00	0.5	-			0.067					
			congl		044	233.00	234.00	1.00	0.75	-			0.077					
			congl		045	234.00	235.00	1.00	0.75	-			0.245					
			Standard		046	235.00	235.00	0.00					3.852					
			congl		047	235.00	236.00	1.00	2	tr			1.227					
			congl		048	236.00	237.00	1.00	0.5	-			0.458					
			congl		049	237.00	238.00	1.00	tr	-			0.010					
			congl		050	238.00	239.00	1.00	tr	-			0.026					
			congl		051	239.00	240.00	1.00	2	-			0.293					
			congl		052	240.00	241.00	1.00	0.25	-			0.007					
			congl		053	241.00	242.00	1.00	0.25	-			0.002					
			congl		054	242.00	242.86	0.86	0.25	-			0.002					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-050

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		-cut by late semi-transparent quartz stringers and veins to 6cm wide with hosting fine cubic pyrite mineralization -blebby pyrite as semi-massive seams 2cm wide as well as blebs of pyrite to 1cm wide -average pyrite is approximately 5% 232.00 to 236.80m: silicous section again similar to section from 227 to 230.80m. The upper 2.5m is slightly less altered with more sericite and chlorite alteration. From approx 234.85 to 236.80m is extremely silicous with a marbled texture of quartz flooding, albitization and honey brown carbonate with minor fuchsite. -strongest mineralization here at approx 3-4% disseminated pyrite with trace to minor arsenopyrite -resembles a felsite 236.80 to 242.86m is a section of conglomerate with a gritty groundmass hosting mafic/ultramafic pebbles that have been stretched to ribbons at 86 degrees tca. Olive green carbonate alteration primarily with some chlorite and sericite. Pyrite as fine cubes that form weak stringers locally and as well as occasional blebs. From 238.90 to 239.97m is a section with tremendous silicification with has overprinted the textures. This section is 82% greyish quartz with 5% fuchsite, 10% sericite/albite and 3% pyrite.															
242.86	244.83	**GREYWACKE** First 30cm is silicified and cross-cut by 10% quartz veinlets; the remainder of the unit is chlorite/weakly carbonate altered.	wacke		055	242.86	243.86	1.00	tr	-			0.002				
			wacke		056	243.86	244.83	0.97	-	-			0.002				

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
244.83	284.10	**ARGILLITE** Finely bedded unit of very fine silts to muds. Basically a black unit of aphanitic material with well deifined bedding that youngs from grey bases to the aphanitic tops. Beds are younging downhole (north). The beds are generally in the order of 0.4 to 20cm in width as repeating sequences. Bedding angles are 82-85 degrees tca. Bedding shows little in the way of crenulations and folding and remain well intact. Late white quartz-carbonate structures cross the unit varying from hairline stringers to 6cm veins. The content is quite variable also from trace to 15% of the unit locally. These structures are generally parallel to bedding but the larger structures often cross-cut bedding and show more deformation. Minor pyrite associated with these structures as 1-2cm oikocrysts. Areas of more intense quartz-carb structures are 253.65 to 254.50m, 257 to 263.35m and 271.95 to 278.90m. Below 278.90m the structures suddenly become absent and bedding perfectly preserved. Competent with relatively few breaks.	arg		057	244.83	246.00	1.17	tr	-			0.002					
			arg		058	246.00	246.00	0.00					0.002					
			arg		059	246.00	247.50	1.50	tr	-			0.002					
			arg		060	247.50	249.00	1.50	tr	-			0.002					
			arg		061	249.00	250.50	1.50	tr	-			0.002					
			arg		062	250.50	252.00	1.50	tr	-			0.002					
			arg		063	252.00	253.50	1.50	tr	-			0.002					
			arg		064	253.50	255.00	1.50	tr	-			0.002					
			arg		065	255.00	256.50	1.50	tr	-			0.002					
			arg		066	256.50	257.50	1.00	tr	-			0.002					
			arg		067	257.50	258.50	1.00	tr	-			0.012					
			arg		068	258.50	259.50	1.00	tr	-			0.002					
			arg		069	259.50	260.50	1.00	tr	-			0.005					
			arg		070	260.50	261.50	1.00	tr	-			0.002					
			arg		071	261.50	262.50	1.00	tr	-			0.007					
			arg		072	262.50	263.50	1.00	tr	-			0.002					
			arg		073	263.50	265.00	1.50	tr	-			0.002					
			arg		074	265.00	266.50	1.50	tr	-			0.002					
			arg		075	266.50	268.00	1.50	tr	-			0.002					
			Blank		076	268.00	268.00	0.00					0.002					
			arg		077	268.00	269.50	1.50	tr	-			0.006					
			arg		078	269.50	271.00	1.50	tr	-			0.002					
			arg		079	271.00	272.50	1.50	tr	-			0.006					
			arg		080	272.50	274.00	1.50	tr	-			0.006					
			arg		081	274.00	275.00	1.00	tr	-			0.002					
			arg		082	275.00	276.00	1.00	tr	-			0.005					
			arg		083	276.00	277.00	1.00	tr	-			0.007					
			arg		084	277.00	278.00	1.00	tr	-			0.006					
			Standard		085	278.00	278.00	0.00					1.348					
			arg		086	278.00	279.00	1.00	tr	-			0.008					
			arg		087	279.00	280.50	1.50	tr	-			0.007					
			arg		088	280.50	282.00	1.50	tr	-			0.178					
			arg		089	282.00	283.00	1.00	tr	-			0.055					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-050

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
			arg		090	283.00	284.10	1.10	tr	-			0.206					
284.10	302.00	**ULTRAMAFICS**	um		091	284.10	285.10	1.00	-	-			0.119					

Talc/serpentine altered. Dark grey to black. Waxy and relatively competent.

284.35 - 284.54m: fault at 75 degrees tca
-some remnant gouge

288.54 - 288.96m: fault zone at 10 degrees tca
-carbonate-rich fracture faces

End of hole

Printed: November-29-16

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	PP22			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Casing remains and capped. Water return lost around 24m.
HOLE NO.:	TO16-051	LENGTH (m):	678.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362618.000	EASTING:	471853.000	COLLAR SURVEY BY: Don (GPS and compass)	
SECTION:	TZ_1150W	ZONE:	Thomas Ogden	ELEVATION (m):	278.000	DRILLING COMPANY: Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	360. / -79.0	SURVEYED:	360.000 / -79.000	DATE LOGGED: Oct. 14, 2016 TO Oct. 22, 2016	Core Storage: Norex compound
HOLE STARTED:	October 12, 2016	HOLE FINISHED:	October 21, 2016	MAG:	10.75º w	LOGGED BY: D.Heerema	Page 1 of 13

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	SAMPLES %Py	SAMPLES %Ars	ASSAYS Pd (g/t)	ASSAYS Pt (g/t)	ASSAYS Au (g/t)	ASSAYS Cu (%)	ASSAYS Ni (%)	ASSAYS Co (%)	ASSAYS Zn (%)	ASSAYS Ag (ppm)
11.00	77.21	**FRAGMENTAL** Light to medium green, fine to medium grained poorly bedded tuffs. Alteration is fine sericite and chlorite causing the light green and dark green respectively. Speckled texture as a result of 20% green chlorite grains throughout. Parts of the unit appear brecciated but it is a patchy alteration feature. Fragment poor but fragments show elongation with a cream colouration. Broken and blocky to 14.70m. Foliation moderately developed at 35 to 40 degrees tca. Very competent with few breaks or quartz-carb stringers and veinlets. 50.17 - 50.77m: intermediate dike?? at 27 degrees tca -sharp contacts with approx 30cm true width -mauve coloured with a finer-grained texture similar to host frag -possibly a finer ash horizon?? -two narrow quartz stringers -cubic pyrite from <1mm to 2mm in diameter (0.25% avg.)																
77.21	138.15	**INTERMEDIATE TUFF** Slightly darker; pervasive chlorite alteration with 30-45% fine feldspars. Chlorite specks present as well. The unit has very weak hematization as evident by a faint deep reddish hue and quartz-carbonate-hematite stringers to 138.15m before becoming a much deeper green colour. More abundant off-white to purplish/pink quartz/carb/hem stringers and wisps generally sub-parallel to weak-moderate foliation at 45-60 degrees tca but can be seen at random angles tca. Foliation is																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-051

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

shallowing to 20 degrees by end of unit.

99.88 - 100.76m: heavily fractured section with evidence of ground water movement. Pervasive orange k-spar alteration between 99.00 and 100.10m associated with the breaks??

138.15 212.20 **FRAGMENTAL**

Deep green chloritic groundmass hosting cm to dm size cream coloured fragments that show elongation parallel to foliation. Fragment content starts low but increases downhole. Fragment size decreases to 0.5 - 2cm diameter over the last 10m of the unit. The foliation is great and is sub-parallel tca by 139.50m before steepening downhole; foliation angles at 181m are 45 degrees tca. Evidence of minor scale folding at 138.40 with a fold hinge at 37 degrees tca. Few sericite stringers cross the unit and one in particular at 182.05m shows right lateral movement of 1.3cm.
Occasional epidote-quartz stringers cut unit also.
Very competent with few breaks.

Between 153 and 159.70m are 8 quartz-feldspar veinlets from 3 - 6cm in width. The quartz is semi-transparent hosting clotty rosy carbonate. Between 157 and 157.55m is evident deformation with folding, the veining and strong epidotization. A 1.3cm (true width) veinlet at 159.69m hosts fine pyrite and trace chalcopyrite.

212.20 243.83 **INTERMEDIATE TUFF**

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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

The unit is a deep green chloritic unit that resembles the fragmental above but without the fragments. Tuffacous unit with chlorite specks and chloritic stringers. Well foliated at 35 degrees tca by base of unit. Slight hematization of felsics over last 3.5m of unit.

219.05 - 221.20m: intermediate dike at 20 degrees tca
-fine-grained and massive
-deep grey/purplish
-clotty hematized plag locally

243.83 272.80 **ULTRAMAFICS**

Typical basal section of the ultramafics unit, the base of the unit is more massive section that resembles a diabase with very strong hematization. Associated with the hematization is strong magnetism. This section of the unit is a dark red/purple colour and well fractured to 259.10m.

From 259.10 to 268.33m is a section of silicous ultramafics with overprinting of original textures. The section is a buff cream to green colour. Patches of chlorite rich material present. No visible mineralization.

From 268.33 to 272.80m is a softer section of serpentine-rich ultramafics with a weak foliation and soft mint green colouration. Very easily scratched. Very strong magnetism from 272.35 to 272.55m.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-051

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
272.80	307.33	**CHLORITE SCHIST** Typical chlorite schist with a deep green chlorite alteration with patchy and variable fuchsite. Strongly foliated with 20-25% white to cream qtz-carb stringers and veinlets exhibiting tremendous crenulations and folding. Quartz-carb structures are slightly more abundant uphole and decrease slightly downhole as the fuchsite content increases. Foliation generally at 50-55 degrees tca but varies locally. Pyrite mineralization present locally as fine cubes forming small concentrations. 278.13 to 278.90m: well fractured section with some minor rusting on fractures possibly showing evidence of water movement Drillers had to retrieve core between 281 and 284m so the core is somewhat ground and mangled. 300.53 - 300.85m: healed fault at 53 degrees tca -cemented by fine quartz and albite with poikolitic feldspar growth -very hard and greyish/white in colour 303.65 - 304.80m: interbed of argillitic material -very fine-grained and black -bedding shows strong evidence of being ripped up and disturbed by another flow as chlorite/fuchsite seams result in angular shards of sediments. Quartz-carb stringers and quartz veinlets are common throughout containing pyrite and clotty pyrrhotite.	arg		001	303.65	304.80	1.15	1.5	-			0.010					
			chl sch		002	304.80	306.05	1.25	0.25	-			0.005					
			chl sch		003	306.05	307.33	1.28	0.25	-			0.029					
307.33	308.90	**CONGLOMERATE**	congl		004	307.33	308.90	1.57	0.5	-			0.005					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-051

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		This conglomerate consists of a grey gritty sandy groundmass averaging 30-40% stretched pebbles with exception of the last 17cm that contains approx 65% pebbles. The pebbles for the most part are elongated at 6:1 at 45 degrees tca. The pebbles are now sericite altered to an aphanitic yellowish colour. Some very thin wispy mafic/ultramafic pebbles. Strong pyrite mineralization as semi-massive discontinuous stringers and veins to 2cm true width between 307.47 and 307.60m.																
308.90	587.40	**ULTRAMAFICS** The upper portion of the unit is more carbonate altered and harder that gradationally softens as serpentine and talc alteration increases. The upper portion is a grey colouration with mint green colouration. Grey carbonate dominates to approximately 325.80m. Below this, the unit is waxy, softer and much more deformed with evidence of crenulated and folded white qtz-carb stringers and veinlets to approx 353m where after the unit is more carbonate altered and harder. The unit then becomes grey-olive green carbonate altered with weak to patchy fuchsite. Local minor pyrite. Strong to intense foliation with local sections of quartz-felds porphyrblasts (365 -372m). The foliation angles appear to be shallowing downhole as list below... 344m is 35 degrees tca, 359m is 25 degrees tca, 374m is 20 degrees tca, 383m is 35 degrees tca, 392m is 12 degrees tca, 404m is sub-parallel tca, 427m is parallel tca, 456, is parallel tca 326.13 - 326.40m: felsic dike -sharp upper and lower contacts at 45 and 60 degrees tca resp -pinkish-grey colouration with approx 35% fine amphiboles	f.dk		005	308.90	309.90	1.00	-	-								0.002
			f.dk		006	326.13	326.40	0.27	<1	-								0.063
			um		007	326.40	329.62	3.22	-	-								0.002
			f.dk		008	329.62	330.58	0.96	<1	-								0.018
			um		009	330.58	331.82	1.24	-	-								0.002
			f.dk		010	331.82	332.25	0.43	0.5	-								0.014
			um		011	332.25	333.90	1.65	-	-								0.002
			f.dk		012	333.90	334.13	0.23	tr	-								0.005
			f.dk		013	366.75	367.35	0.60	1	-								0.028
			um		014	452.00	453.50	1.50	tr	-								0.008
			um		015	453.50	455.00	1.50	1.5	-								0.033
			Blank		016	455.00	455.00	0.00										0.002
			um		017	455.00	457.00	2.00	tr	-								0.009
			um		018	457.00	459.00	2.00	tr	-								0.007
			um		019	459.00	460.50	1.50	-	-								0.007
			um		020	460.50	462.00	1.50	-	-								0.005
			um		021	462.00	463.50	1.50	-	-								0.010
			um		022	463.50	465.00	1.50	tr	-								0.011
			um		023	465.00	466.50	1.50	tr	-								0.009
			um		024	466.50	468.00	1.50	tr	-								0.008
			um		025	468.00	469.50	1.50	tr	-								0.011
			um		026	586.40	587.40	1.00	-	-								0.014

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-051

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

-quartz-carb veining throughout with associated pinkish albitization halos?
-cubic pyrite from pinhead to 2mm in diameter

329.62 - 330.58m: felsic dike like above
-upper and lower contacts at 45 and 55 degrees tca resp
-pyrite from pinhead to 2.5cm blebs

331.82 - 332.25m: felsic dike
-same as above contacts at 55 degrees tca

333.90 - 334.13m: felsic dike
-sharp upper and lower contacts at 55 and 20 degrees tca resp
-pervasive pink alteration throughout with only approximately 5-10% fine amphiboles
-pink to weak orangish colouration
-trace pyrite

340.75 - 341m: fault
-hard to determine the orientation

366.75 - 367.35m: felsic dike at 15 deg tca
-similar to above
-quartz stringers and veinlets with pink/orange alt halos
-fine to 1mm cubic pyrite at 1%

From 449 to 483.10m is a greener section of strong olive green carbonate and chlorite with minor localized fuchsite. This section shows tremendous tectonic deformation in the form of crenulation, folds and porphyroblastic textures. The foliation is highly variable from parallel to 70 degree tca and highly deformed as mentioned. The lower half of this alteration package shows strongest crenulations and folds. Amongst the carb/chlorite alteration is approx 20% grey/white quartz-

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METALS CREEK RESOURCES

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

carbonate stringers and veinlets. The structures are grey quartz with clotty white-cream anhedral feldspar. These structures vary from 1mm to 3cm in width with strong deformation and local truncations. Strong porphyroblastic texture present to approximately 465m. Pyrite mineralization associated with local late quartz flooding and a mafic dike.

451.76 - 451.90m: bull white quartz vein clipped by the hole
-appears to have clipped the edge of a softly folded vein as the vein contact is rounded

456.80 - 457.10m: quartz flooding with fuchsite alteration and trace pyrite

453.90 - 454.04m: mafic dike
-inverted upper and lower contacts at 45 degrees tca
-very fine-grained
-dark grey/purple
-strong magnetism
-4% stringer pyrite with associated quartz

474.55 - 474.90m: ground section
-extremely angular shards that might be drill induced

483.70 - 484.10m: bull white quartz vein clipped by the hole
-the hole drilled along on curved contact so half the core is quartz vein and the other ultramafics

Another section from 514.90 to approx 525m shows strong grey-olive green carbonate alteration over most of the section. Intense foliation and associated silciification and fine banding. Core start at 45 degrees tca shallow to parallel by 518.5m. Core angles are once again greater than 45 degrees by 424.50m. One stinger of pyrrhotite at 518.90 (10 degrees tca). Portion of

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-051

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		this sub-unit are more serp/talc altered exhibiting immense deformation along with serpentine slips showing evidence of mm-scale drag folds and off-sets of banding. A very high degree of tectonism here. 557.60 - 558.20m: fracture/fault zone at 70 degrees tca 560.60 - 561.08m: quartz-calcite vein -bright white -upper and lower contacts at 75 and 25 degrees tca resp 572.90 - 576.60m: well fractured section of heavily serpentized um with local gouge seams representing faults with movement; fracturing is mainly at 70 degrees tca generally parallel to foliation; gouge seams present at 573 - 573.20 @ 65-70 deg tca, 575.89 - 575.92 @ 72 deg tca, 576.51 - 576.58 @ 80 deg tca 577.90 - 577.97m: fault gouge seam @ 67 deg tca																
587.40	598.25	**CONGLOMERATE** This unit is a pebble conglomerate with moderate to strong alteration that in many places overprints the original texture. The unit in many places is green/yellow/brown in colour as a result of sericite/albite and chlorite alteration. Areas of silicification are generally greyer in colour with a more marbled type appearance. Remnant pebbles are well stretched at approx 6:1 and are sericite/albitized with a beige colouration. Wispy ribbons of green fuchsite locally. Elongation angles are 65 degrees tca. Pyrite mineralization present as trace to minor disseminations to 595.30m where fine cubic pyrite increases with silicification to approximately 1%.	congl		027	587.40	588.25	0.85	tr	-								0.013
			congl		028	588.25	589.25	1.00	tr	-								0.010
			Standard		029	589.25	589.25	0.00										0.799
			congl		030	589.25	590.25	1.00	tr	-								0.017
			congl		031	590.25	591.25	1.00	tr	-								0.057
			congl		032	591.25	592.25	1.00	tr	-								0.083
			congl		033	592.25	593.25	1.00	tr	-								0.098
			congl		034	593.25	594.25	1.00	tr	-								0.067
			congl		035	594.25	595.25	1.00	tr	-								0.040
			congl		036	595.25	596.25	1.00	tr	-								0.031
			Blank		037	596.25	596.25	0.00										0.009
			congl		038	596.25	597.25	1.00	0.5	-								0.124
			congl		039	597.25	598.25	1.00	<1	-								0.048

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-051

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Moderately fractured unit with increased fracturing below 595.30m. The fractures are low angle fractures at 11 degrees tca that when roughly oriented with the strike direction of the stratigraphy would represent NNW orientations with an eastern dip at approx 50-65 degrees. 589.00 - 589.70m: felsite flooding with a porphyritic texture -gradational upper contact with sericite wisps and fine stringers -lower contact of felsite is a healed fault consisting of a quartz/amphibole groundmass containing sub-angular to angular shards of sericite altered conglomerate -shard sizes from mm to 1.5cm diameter -3cm wide structure at 11 degrees tca																
598.25	603.32	**FELSITE** Extremely hard and silicous unit with gradational contacts. The unit consists of approximately 50% semi-transparent to grey quartz, 30% feldspar, 5% fine amphibole, 13% wispy stringer sericite and 2% fine disseminated pyrite. The unit is a buff grey to white with a yellow hue and resembles a marble. Weak porphyritic texture. Quartz-calcite veinlets within the unit that resemble more sweats than late structures at random orientations. Conjugate set of late hairline stringers of qtz-carb at 11 degrees and 60 degrees tca Wavy fracturing common throughout at 85-90 degrees tca.	fel		040	598.25	599.25	1.00	1.5	-			0.049					
			fel		041	599.25	600.25	1.00	2	-			0.024					
			fel		042	600.25	601.25	1.00	2	-			0.028					
			fel		043	601.25	602.25	1.00	2	-			0.037					
			fel		044	602.25	603.32	1.07	1.5	-			0.105					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-051

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
603.32	616.22	**CONGLOMERATE** Different then the conglomerate uphole as this unit is much less silicous and less altered for the most part. This unit has much better preservation of pebbles. The unit is generally a olive green carb altered ultramafic looking conglomerate hosting pebbles of quartz, ultramafics, mafics and felsic intrusives. Patchy alteration with sections of pervasive sericitization resulting in massive yellowish sections that might represent wacke horizons. Occasional narrow section of silicification that overprints. The unit is pebble rich with pebbles stretched 8:1. Foliation at 61 degrees tca. Dip appears to be shallow to the south based upon the orientation of the stratigraphy. Relatively competent unit with few fractures. Very weak pyrite mineralization throughout with exception of cubic pyrite forming a semi-massive 2cm formation associated with a quartz veinlet at 604.65m. Slight increase in pyrite associated with pervasive sericitization. A few late quartz-carb stringers and veinlets cutting unit. 610.72 - 611.76m: silicous section with albitization and overprinting of textures. Two fracture systems within that appear to be brittle faults; one at 610.85 to 611.00m and 611.46 to 611.76m.	congl		045	603.32	604.32	1.00	tr	-			0.253						
			congl		046	604.32	605.32	1.00	1	-			1.026						
			congl		047	605.32	606.32	1.00	tr	-			0.107						
			congl		048	606.32	607.32	1.00	tr	-			0.128						
			congl		049	607.32	608.32	1.00	0.25	-			0.177						
			congl		050	608.32	609.32	1.00	0.25	-			0.018						
			standard		051	609.32	609.32	0.00					3.121						
			congl		052	609.32	610.32	1.00	tr	-			0.011						
			congl		053	610.32	611.32	1.00	tr	-			0.025						
			congl		054	611.32	612.32	1.00	tr	-			0.032						
			congl		055	612.32	613.32	1.00	tr	-			0.021						
			Blank		056	613.32	613.32	0.00					0.002						
			congl		057	613.32	614.32	1.00	tr	-			0.019						
			congl		058	614.32	615.32	1.00	tr	-			0.014						
			congl		059	615.32	616.22	0.90	tr	-			0.015						
616.22	618.80	**GREYWACKE** Pebbless section of strong pervasive chlorite and sericite with weak fuchsite resulting in a green dull featureless unit. Local gritty texture. Occasional quartz-carb veinlet and fractured sections with breaks >85 degrees tca. Fine pyrite mineralization in trace quantity throughout. 616.95 - 617.12m: felsic dike? at 62 degrees tca	grwk		060	616.22	617.22	1.00	tr	-			0.049						
			grwk		061	617.22	618.00	0.78	tr	-			0.024						
			grwk		062	618.00	618.80	0.80	tr	-			0.002						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-051

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		-aphanitic contacts -grey to cream colour with very fine sericite alteration -contains approx 30% grey quartz eyes -fine disseminated pyrite																
618.80	640.54	**ARGILLITE** This is a unit of very fine-grained black argillites that become graphitic downhole. Occasional wacke section of coarser-grained material. The beds are generally fine grey bases that fine upwards to black aphanitic tops. The beds are generally well preserved and show younging to be downhole (north). The repetitive beds are on the cm to dm scale. The bedding preservation becomes more prevalent downhole as the graphite content appears and becomes more abundant. Gentle waves and local folding evident beginning at 633m. The entire unit has been intruded by thin white quartz-carb stringers and narrow veinlets. Pyritization is found within the quartz-carb structures conforming to bedding. Late hairline qtz-carb structures cut bedding at random angles, some hosting pyrite and others barren. Local chloritization + minor sericitization has caused local green colouration of the bedding as a result of weak quartz flooding and silicification. Bedding angles start at 68 degrees tca and shallowing downhole to 60 deg at 636m and 35 degrees tca by 639m. Pyrite mineralization as elongate blebs within quartz-carb stringers that averages approx 1.5-2% with 15cm sections containing up to 5%. Strongest mineralization found between 633 and 640.54m. 629.90 - 630.31m: felsic dike at 65 degrees tca -silicous -fine-grained grey-pinkish -weak porphyritic texture	arg		063	618.80	619.80	1.00	0.25	-								0.002
			arg		064	619.80	620.80	1.00	0.25	-								0.002
			arg		065	620.80	621.80	1.00	0.25	-								0.002
			arg		066	621.80	622.80	1.00	0.25	-								0.005
			arg		067	622.80	623.80	1.00	0.25	-								0.002
			arg		068	623.80	624.80	1.00	0.25	-								0.002
			arg		069	624.80	625.80	1.00	0.25	-								0.005
			arg		070	625.80	626.80	1.00	0.25	-								0.012
			arg		071	626.80	627.80	1.00	tr	-								0.002
			arg		072	627.80	628.80	1.00	tr	-								0.038
			arg		073	628.80	629.90	1.10	tr	-								0.168
			Blank		074	629.90	629.90	0.00										0.002
			f.dk		075	629.90	630.31	0.41	tr	-								0.006
			arg		076	630.31	631.40	1.09	tr	-								0.010
			i.dk		077	631.40	632.87	1.47	-	-								0.011
			arg		078	632.87	634.00	1.13	0.25	-								0.010
			arg		079	634.00	635.00	1.00	0.25	-								0.011
			arg		080	635.00	636.00	1.00	>1	-								0.011
			arg		081	636.00	637.00	1.00	3	-								0.018
			arg		082	637.00	638.00	1.00	2.5	-								0.023
			arg		083	638.00	638.80	0.80	2	-								0.056
			arg		084	638.80	639.70	0.90	2	-								0.059
			arg		085	639.70	640.54	0.84	2	-								0.075

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		631.40 - 632.87m: massive wacke or intermediate dike -sharp contacts -grey, fine-grained and resembles a non-magnetic diabase																
640.54	643.25	**GREYWACKE** Generally massive and poorly sorted. The unit is fine-medium grained containing tiny quartz grains and occasional black pebble? The unit is pervasively chlorite and sericite altered resulting in a green/yellowish colouration. The upper 1.2m contains the strongest alteration as a result of quartz/felsic dike flooding. Contacts are diffuse but is appears some diking and strong quartz flooding intruded and brecciated the wacke. A small 3x1cm shard of argillite is located within the quartz flooding also at 640.75. The quartz/dike flooding is roughly located between 640.70 and 641.20m. Pyrite mineralization is very abundant in the area of the felsic flooding to approx 4-5% but decreases quickly downhole to trace in quantity.	wacke		086	640.54	641.54	1.00	3	-			0.471					
			wacke		087	641.54	642.54	1.00	tr	-			0.117					
			Standard		088	642.54	642.54	0.00					3.881					
			wacke		089	642.54	643.25	0.71	tr	-			0.112					
643.25	656.85	**FELSIC DIKE** Relatively homogenous unit of fine-grained massive felsic diking consisting of approximately 50-60% feldspar, 30-35% fine green amphibole with local quartz veinlets and stringers to 5% with variable pyritization. The dike for the most part is a soft pink/grey colouration; the feldspars are pink/lilac coloured. Beige albitization present along with weak yellow carbonate locally. White quartz stringers and veinlets throughout, both as formational sweats and late structures. There are at least two ages of quartz structures; an older set at 652.30m for example	f.dk		090	643.25	644.25	1.00					0.144					
			f.dk		091	644.25	645.25	1.00					0.147					
			f.dk		092	645.25	646.25	1.00					0.214					
			f.dk		093	646.25	647.25	1.00					0.125					
			f.dk		094	647.25	648.25	1.00					0.053					
			f.dk		095	648.25	649.25	1.00					0.032					
			Blank		096	649.25	649.25	0.00					0.002					
			f.dk		097	649.25	650.25	1.00					0.139					
			f.dk		098	650.25	651.25	1.00					0.149					
			f.dk		099	651.25	652.25	1.00					0.189					
			f.dk		100	652.25	653.25	1.00					0.027					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-051

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		has been truncated by a chloritic fracture (micro-fault) with an off-set greater than 4cm and a younger set of quartz structures that cross-cut the older set at very shallow ca. These late features are generally between 10-15 degrees tca. Pyrite mineralization present throughout with a variable content ranging from trace to 10% locally. Strongest mineralization associated with stronger alteration found between 643.80 and 651.40m.	f.dk		101	653.25	654.25	1.00					0.030					
			f.dk		102	654.25	655.25	1.00					0.042					
			f.dk		103	655.25	656.85	1.60					0.043					
656.85	678.00	**ULTRAMAFICS**	um		104	656.85	657.85	1.00	-	-			0.010					
		Extremely soft serp/talc altered and polysutered. This ultramafics are different texturally from the ultramafics uphole. These are not foliated but have a brecciated appearance of black ultramafics amongst anastomosing matrix of serpentine and white carbonate. Unit is fairly competent with exception of a heavily fractured section between 665.40 and 668.70m containing fault zones as noted below. 665.85 - 666.55m: fault @ 65 deg tca -upper 10cm and lower 40cm contain serpentinized gouge 667.78 - 668.25m: fault @ 57 deg tca 668.60 - 668.65m: fault @ 45 deg tca End of Hole																

Printed: November-30-16

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Ogden	CLAIM NO.:	PP22			DOWNHOLE SURVEY METHOD: EZ Shot	REMARKS: Casing remains in and capped. Water return lost near top of hole.
HOLE NO.:	TO16-052	LENGTH (m):	406.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5362618.000	EASTING:	471853.000	COLLAR SURVEY BY: Don (GPS and compass)	
SECTION:	TZ_1150W	ZONE:	Thomas Ogden	ELEVATION (m):	278.000	DRILLING COMPANY: Norex	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	360. / -57.0	SURVEYED:	360.000 / -57.000	DATE LOGGED: Oct. 22, 2016 TO Oct. 27, 2016	Core Storage: Norex compound
HOLE STARTED:	October 21, 2016	HOLE FINISHED:	October 26, 2016	MAG:	10.75º w	LOGGED BY: D.Heerema	Page 1 of 12

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	SAMPLES %Py	SAMPLES %Ars	ASSAYS Pd (g/t)	ASSAYS Pt (g/t)	ASSAYS Au (g/t)	ASSAYS Cu (%)	ASSAYS Ni (%)	ASSAYS Co (%)	ASSAYS Zn (%)	ASSAYS Ag (ppm)
0.00	13.15	**OVERBURDEN**																
13.15	34.80	**FRAGMENTAL** Light to medium green, fine to medium grained poorly bedded tuffs. Alteration is fine sericite and chlorite causing the light green and dark green respectively. Speckled texture as a result of 20% green chlorite grains throughout. Fragment poor but fragments show elongation with a cream colouration. Blocky to 21.50m. Foliation moderately developed at 67-70 degrees tca. Very competent with few breaks below 21.5 with occasional quartz-carb stringer and veinlet. 32.87 - 33.87m: intermediate dike -sharp upper and lower contacts @ 70 and 20 deg tca resp -mauve coloured with a finer chill margins -few narrow quartz stringers -cubic pyrite from <1mm to 3mm in diameter (approx 0.25% avg.)	i.dk		001	32.87	33.87	1.00	0.25	-			0.011					
34.80	79.10	**INTERMEDIATE TUFF**																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-052

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Slightly darker; pervasive chlorite alteration with 30-45% fine feldspars. Chlorite specks present as well. The unit has very weak hematization as evident by a faint deep reddish hue and quartz-carbonate-hematite stringers to 76.40m before becoming a much deeper green colour. More abundant off-white to purplish/pink quartz/carb/hem irregular stringers and wisps at random angles tca. Local epidotization with the slightly larger structures. Foliation @ 45 degrees by end of unit. 74.40 to 76.40m: increased fracturing with possible evidence of ground water movement. Pervasive orange k-spar alteration between 76.10 and 76.40m associated with the breaks??																
79.10	113.30	**FRAGMENTAL** Deep green chloritic groundmass hosting cm to dm size cream coloured fragments that show elongation parallel to foliation. Clasts are creamy felsic sericite altered with occasional dark mafic fragment. Fragment content starts high and decreases slightly downhole. The foliation varies from 45 to 70 degrees tca. Occasional epidote-quartz stringers cut unit also. Very competent with few breaks except for a fractured section from 86.38 - 86.90m. 86.38 - 86.90m: fault?? -appears drill induced but could be natural -angular shards of rock with no gouge or rusting etc -1-2.5cm size shards																
113.30	158.15	**CHLORITE SCHIST**																

DIAMOND DRILL CORE LOGGING SHEET

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

Heterogeneous unit with variable alteration and texture. Original protolith is ultramafic. Upper portion to 121.20m is the hematized basal portion of the unit with a more massive texture and strong hematization. Resembles a diabase. Deep red/purplish colouration. Throughout is minor off-white patchy carbonate with fine magnetite causing a strong local magnetism. Very fractured.

Below 121.20 to 124.17m is a section of strong chlorite alteration with the typical white qtz/carb stringers. Strongly foliated at 40 degrees tca

124.17 to 138.70m is a section of strongly foliated and silificied material that has windows of less foliated and weakly serpentinized ultramafics. The silicification has overprinted original textures for the most part. Chlorite dominates with weak sericite stringers and wisps. Fractures around 131m have resulted in pervasive fe-carb from 130.70 - 131.60m.

Below 138.70m the unit becomes the more typical chlorite schist with the appearance of ultramafics but strongly chlorite altered resulting in a deep green schist with minor fuchsite. Quartz-carb stringers and veinlets throughout that exhibit crenulations, folding and off-setting along chloritic stringers. Chloritic structures cut the core at 45 degrees tca. Sericite stringers local as well as occasional clot of fine cubic pyrite.

156.70 - 157.12m is a section with dark brown carbonate stringers with minor sericite and moderate pyritization with minor pyrrhotite

DIAMOND DRILL CORE LOGGING SHEET

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METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
158.15	227.70	**ULTRAMAFICS**	f.dk		002	191.06	191.93	0.87	0.5	-			0.010					
			um		003	226.70	227.70	1.00	-	-			0.007					

Heterogenous unit of highly altered and deformed ultramafics exhibiting tremendous tectonic activity and local carbonate alteration. Sections are extremely banded with grey to olive green alteration amongst a host of dark serpentine/talc altered material hosting 20-35% white carbonate stringers and veinlets causing a weak zebra like rock. The carbonate features exhibit the crenulations, fold and movement along micro-structures. The serpentine/talc altered material hosts the carb stringers and tectonism. The carbonate altered and more felsic sections show strong foliation and banding.

163.70 - 164.08m: fault with gravel size shards

185.30 - 185.40 and 185.44 - 185.52m: felsic diking at approx 45 degree tca
-pink to grey colouration with 2% cubic pyrite associated with black chloritic stringers

191.06 - 191.93m: felsic dike at 50 degrees tca
-green chloritic margins
-fine-grained with a grey colouration that gradationally increases in felsics and silicousness downhole
-grey-pinkish colouration
-cut by numerous 1-3mm quartz veinlets
-0.5% blebby pyrite

210.42 - 210.60m: poker chip core at 90 degrees tca

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
227.70	267.90	**CONGLOMERATE** Fairly heterogeneous unit of pebble to cobble conglomerate with variable alteration and clast type. The unit consists of silicous sections containing ultramafic clasts to areas of alteration overprinting as well as areas of a gritty groundmass hosting well preserved pebbles with occasional cobbles. Below is a breakdown as the unit changes throughout. From 227.70 to 233.35m is an extremely silicous section of felsic groundmass hosting thin stretched shards to wisps of ultramafics at approximately 7%. The groundmass locally exhibits a porphyritic texture; that of felsic diking. The last 39cm hosts fuchsite altered well stretched pebbles. Quartz porphyroblasts present. Trace pyrite over last 39cm. From 233.35 to approximately 237.00m is a very blonde sericite altered section with only few remnant pebbles. This section has a pervasive soft yellow colouration with flecks of green fuchsite and fine yellow carbonate as wisps. Patchy dark green chlorite exhibits mild brecciation by quartz stringers and veinlets. Fine semi-transparent quartz stringers/veinlets throughout that are barren of sulfides. Occasional black chlorite fractures. One fracture set at 18 degrees tca. Trace fine disseminated pyrite at best. From 237.00 to 246.90m is a section of much stronger alteration and silicification. This portion of the unit is so silicious that the rock has a weak marbled appearance with a buff grey/beige colouration; as a result of very fine albization hosting tremendous wispy yellow carbonate, sericite and minor fuchsite. The yellow carbonate is generally found as clots and wisps often associated with sericite causing yellow to gold coloured stringers and clots breccciated by quartz. Green	congl		004	227.70	229.00	1.30	tr	-			0.002						
			congl		005	229.00	230.00	1.00	tr	-			0.002						
			congl		006	230.00	231.50	1.50	tr	-			0.028						
			congl		007	231.50	233.00	1.50	tr	-			0.038						
			congl		008	233.00	234.50	1.50	tr	-			0.078						
			congl		009	234.50	236.00	1.50	tr	-			0.079						
			congl		010	236.00	237.00	1.00	tr	-			0.098						
			congl		011	237.00	238.00	1.00	0.25	-			0.036						
			Blank		012	238.00	238.00	0.00					0.002						
			congl		013	238.00	239.00	1.00	0.25	-			0.099						
			congl		014	239.00	240.00	1.00	0.25	-			0.384						
			congl		015	240.00	241.00	1.00	0.25	-			0.141						
			congl		016	241.00	242.00	1.00	0.25	-			0.056						
			congl		017	242.00	243.00	1.00	0.25	-			0.069						
			congl		018	243.00	244.00	1.00	0.25	-			0.245						
			congl		019	244.00	245.00	1.00	0.25	-			0.090						
			congl		020	245.00	246.00	1.00	0.25	-			0.226						
			congl		021	246.00	247.00	1.00	0.25	-			0.428						
			congl		022	247.00	248.00	1.00	0.25	-			0.030						
			congl		023	248.00	249.50	1.50	tr	-			0.023						
			Standard		024	249.50	249.50	0.00					2.957						
			congl		025	249.50	251.00	1.50	tr	-			0.011						
			congl		026	251.00	252.50	1.50	tr	-			0.019						
			congl		027	252.50	254.00	1.50	-	-			0.002						
			congl		028	254.00	255.50	1.50	-	-			0.002						
			congl		029	255.50	257.00	1.50	-	-			0.006						
			congl		030	257.00	258.50	1.50	-	-			0.008						
			congl		031	258.50	260.00	1.50	-	-			0.002						
			congl		032	260.00	261.50	1.50	-	-			0.006						
			congl		033	261.50	263.00	1.50	-	-			0.045						
			congl		034	263.00	264.50	1.50	-	-			0.010						
			congl		035	264.50	266.00	1.50	-	-			0.101						
			congl		036	266.00	266.90	0.90	tr	-			0.090						

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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

fuchsite present as wisps, clots and local bands. Alteration wisps showing a foliation varying from 15 to 60 degrees tca. Black chloritic stringers present that show two ages, some are cross-cut by yellow carbonate alteration and younger features cross the alteration. Late low angle structures cut the unit as hairline stringers at 37 degrees tca. Pyrite mineralization throughout as fine disseminations and fine blebs with an overall average of 0.25%.

From 247.90 to 2264.90m is a section of less altered and better preserved conglomerate showing very distinct pebble and occasional cobble. Green/grey chloritic groundmass hosting cream to yellowish felsic pebbles at approx 60%. The clasts vary from well elongated to semi-rounded locally. The larger clasts are less deformed and located between 251 and 261m before decreasing is size. Foliation shallowing downhole to 20 degrees tca by base of this interval.

From 264.90 to 267.90m is very yellow carbonate and sericite altered with a dull mustard yellow colouration. Local green fuchsite. Foliation is intense shallowing to parallel tca. Minor quartz as irregular stringers. Gradational upper contact but sharp lower contact at 29 degrees tca. Extremely broken core as very shallow fractures at 5 degrees tca are prominent. Trace pyrite at best.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
267.90	313.10	**FELSITE** Relatively homogenous unit of grey/white silicous and felsic material. The unit consists of approx 50% quartz, 30-40% feldspar, 5% amphibole and 1-5% pyrite with sericite ranging from nil to 30% locally. The unit resembles a marble with a massive texture of very fine grey quartz/feldspar cut by white quartz stringers and sweats. A porphyritic texture is evident with subhedral white plag but not entirely through the unit, depends of alteration and silicification. Sericite alteration comes and goes as yellow/green clots of wisps causing a local yellow tinge to the rock. Thin quartz stringers cut core at 20-35 degrees tca. Pyrite mineralization disseminated throughout as fine cubes to blebs averaging approx 0.5% with an increase below 289m. Local stringer to semi-massive pyrite seams to 4mm wide beginning at 296.50m. Trace to minor euhedral bladed arsenopyrite present. 269.52 - 269.95m is a clipped piece of conglomerate with inverted contacts at 40 and 15 degrees tca. Well foliated material. 275.80 - 276.04m: white/black cleaved calcite/tourmaline veins at 24 degrees tca -contains shards of host felsite A section from 278 to 282.80m shows many characteristics of the felsite but might be a silicous section of conglomerate. It's very hard to tell as small windows show a porphyritic texture. Slight increase in sericite and some chlorite here. No visible pebble remnants either. 296.50 - 298.10m: a section of dark brown alteration and clotty	fel		037	267.90	269.00	1.10	0.5	-			0.124					
			Blank		038	269.00	269.00	0.00					0.002					
			fel		039	269.00	270.00	1.00	0.5	-			0.210					
			fel		040	270.00	271.00	1.00	0.5	-			0.408					
			fel		041	271.00	272.00	1.00	0.25	-			0.261					
			fel		042	272.00	273.00	1.00	0.5	-			0.670					
			fel		043	273.00	274.00	1.00	0.5	-			0.514					
			fel		044	274.00	275.00	1.00	1	tr			0.456					
			fel		045	275.00	276.00	1.00	0.5	tr			0.210					
			fel		046	276.00	277.00	1.00	0.5	tr			0.317					
			fel		047	277.00	278.00	1.00	0.5	tr			0.095					
			fel		048	278.00	279.00	1.00	0.5	tr			0.150					
			Standard		049	279.00	279.00	0.00					3.090					
			fel		050	279.00	280.00	1.00	0.5	tr			0.048					
			fel		051	280.00	281.00	1.00	1	tr			0.167					
			fel		052	281.00	282.00	1.00	0.25	-			0.078					
			fel		053	282.00	283.00	1.00	0.25	-			0.470					
			fel		054	283.00	284.00	1.00	0.25	-			0.462					
			fel		055	284.00	285.00	1.00	0.5	-			0.953					
			Blank		056	285.00	285.00	0.00					0.005					
			fel		057	285.00	286.00	1.00	2	tr			0.426					
			fel		058	286.00	287.00	1.00	1	tr			0.195					
			fel		059	287.00	288.00	1.00	tr	-			0.081					
			fel		060	288.00	289.00	1.00	tr-				0.067					
			fel		061	289.00	290.00	1.00	1	-			0.591					
			fel		062	290.00	291.00	1.00	1	-			0.975					
			fel		063	291.00	292.00	1.00	1	-			0.270					
			fel		064	292.00	293.00	1.00	1	tr			0.679					
			fel		065	293.00	294.00	1.00	1	tr			0.219					
			fel		066	294.00	295.00	1.00	1	tr			0.365					
			fel		067	295.00	296.00	1.00	2.5	0.25			0.369					
			fel		068	296.00	297.00	1.00	4	0.25			0.205					
			fel		069	297.00	298.00	1.00	3	tr			0.144					
			fel		070	298.00	299.00	1.00	1	tr			0.114					

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METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		yellow carbonate with stronger pyrite mineralization at 4%.	fel		071	299.00	300.00	1.00	1.5	tr			0.185					
			fel		072	300.00	301.00	1.00	1	tr			0.338					
			fel		073	301.00	302.00	1.00	1	tr			0.187					
			Blank		074	302.00	302.00	0.00					0.002					
			fel		075	302.00	303.00	1.00	1	tr			0.203					
			fel		076	303.00	304.00	1.00	1.5	tr			0.104					
			fel		077	304.00	305.00	1.00	1	tr			0.135					
			fel		078	305.00	306.00	1.00	1	tr			0.129					
			fel		079	306.00	307.00	1.00	1	tr			0.782					
			fel		080	307.00	308.00	1.00	1	tr			0.185					
			fel		081	308.00	309.00	1.00	1	tr			0.238					
			fel		082	309.00	310.00	1.00	1	tr			0.478					
			fel		083	310.00	311.00	1.00	1	tr			0.213					
			Standard		084	311.00	311.00	0.00					3.649					
			fel		085	311.00	312.00	1.00	1	tr			0.153					
			fel		086	312.00	313.10	1.10	2	tr			0.101					
313.10	354.35	**CONGLOMERATE**	congl		087	313.10	314.00	0.90	0.5	-			0.186					
			congl		088	314.00	315.00	1.00	tr	-			0.312					
			congl		089	315.00	316.00	1.00	tr	-			0.009					
			congl		090	316.00	317.00	1.00	tr	-			0.010					
			congl		091	317.00	318.00	1.00	<0.5	-			0.024					
			congl		092	318.00	319.00	1.00	0.25	-			0.043					
			congl		093	319.00	320.00	1.00	<0.5	-			0.036					
			congl		094	320.00	321.00	1.00	0.5	tr			0.076					
			congl		095	321.00	322.00	1.00	tr	-			0.023					
			congl		096	322.00	323.00	1.00	1.5	tr			0.079					
			Blank		097	323.00	323.00	0.00					0.002					
			congl		098	323.00	324.00	1.00	0.5	tr			0.056					
			congl		099	324.00	325.00	1.00	<0.5	tr			0.107					
			congl		100	325.00	326.00	1.00	0.25	-			0.140					
			congl		101	326.00	327.00	1.00	<0.5	<0.25			0.143					
			congl		102	327.00	328.00	1.00	<1	tr			0.541					
			congl		103	328.00	329.00	1.00	<1	tr			0.104					
			congl		104	329.00	330.00	1.00	0.5	tr			0.058					

Like uphole, the conglomerate is quick variable as the unit appears to fine downhole (north). The upper portion of the unit to 333m is extremely silicous with sections of porphyritic texture that might reflect some felsite intrusion with both gradational and sharper contacts. Contacts are generally diffuse including the upper contact of the unit which is subjective and based upon appearance of diffuse remnant pebbles. The upper section to has a gritty texture and relatively clast poor slowing increasing in clasts downhole. The clasts are generally felsic and cream coloured with some dark mafic and green fuchsite clasts. Alteration is strong in the form of silicification, minor albitization and patchy sericite with local clots and elongate fuchsite clasts. The unit is a grey/beige/green and different in appearance than felsite above with exception of narrow <30cm sections of felsitic material. Fine quartz eyes at approximately 25% throughout the unit. Some late quartz flooding locally as

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METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n	SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		irregular veinlets. Cutting the unit also are black chloritic fractures, both open and annealed ranging from 21 to 34 degrees tca. These are the youngest structures that cross mineralization and even locally show evidence of left-lateral movement over 7mm at 320.59m. Pyrite and arsenopyrite mineralization present with pyrite much more common. The arsenopyrite is more abundant around boundaries of fuchsite clasts like that at 326.72m. Pyrite mineralization most common as fine cubes disseminated throughout.	congl		105	330.00	331.00	1.00	<0.5	tr	0.853							
			congl		106	331.00	332.00	1.00	tr	-	0.107							
			congl		107	332.00	333.00	1.00	0.25	-	0.457							
			congl		108	333.00	334.00	1.00	-	-	0.024							
			congl		109	334.00	335.00	1.00	-	-	0.284							
			congl		110	335.00	336.50	1.50	-	-	0.042							
			congl		111	336.50	338.00	1.50	-	-	0.002							
			congl		112	347.40	348.40	1.00	-	-	0.024							
			Standard		113	348.40	348.40	0.00			2.622							
			congl		114	348.40	349.40	1.00	<1	tr	0.644							
			congl		115	349.40	350.40	1.00	tr	-	0.012							
			congl		116	350.40	351.90	1.50	1	tr	0.006							
			congl		117	351.90	352.00	0.10	tr	-	0.002							

From 333 to 337.25m is a section of more pervasive sericite and chlorite alteration with a yellow to green colouration. Pebbles are distinct and felsic in nature with very fine albitization. The sericite is in the from of fine wisps wrapping around pebbles.

From 337.25 to 347m the unit is a grey/green gritty texture of mainly chlorite alteration. Mafic and felsic clasts oriented at 70 degrees tca. Mafic clasts show much more elongation than the harder and more common felsic pebbles. Mainly trace pyrite with occasional sections of fine blebs. Matrix groundmass is fining downhole with a gradational lower contact to wacke.

348.40 - 348.54m: quartz filled fault at 88 degrees tca
-white quartz hosting 60% angular shards of chloritized and weakly albitized congl

348.54 - 349.40m is a section of increased silicification, qtz eyes, weak albitization, sericite wisps and banding and minor fuchsite
-fine pyrite and trace arsenopyrite

350.50 - 350.83m: felsic dike @ 65 deg tca

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METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	SAMPLES %Py	SAMPLES %Ars	ASSAYS Pd (g/t)	ASSAYS Pt (g/t)	ASSAYS Au (g/t)	ASSAYS Cu (%)	ASSAYS Ni (%)	ASSAYS Co (%)	ASSAYS Zn (%)	ASSAYS Ag (ppm)
		350.83 - 351.90m: a section of silicification, tiny clots of yellow carbonate and abundant fine dark brown albitization? -white/grey quartz veinlets throughout with associated pyrite																
354.35	359.97	**GREYWACKE** featureless and relatively massive unit with a pervasive greenish/grey colouration with moderate chloritization and weak sericitization. Quartz/carb veinlets throughout. Trace pyrite at best.																
359.97	377.18	**ARGILLITE** A unit of finely bedded silts and muds that show well preserved graded beds to young downhole (north). Beds range from mm to cm scale generally with occasional dm scale bed. Bedding angles are between 75 and 80 degrees tca and show minor crenulations. Low quantity of quartz/carb stringers generally conforming to bedding. Weak pyrite mineralization as occasional bleb or semi-stringer. Grey to black throughout except for a moderately silicified and chloritized section from 367.20 to 368.30m. 368.85 - 368.95m: quartz/sericite vein parallel to bedding	arg		118	376.18	377.18	1.00	tr	-			0.026					
			Blank		119	377.18	377.18	0.00					0.002					
377.18	382.00	**FELSIC DIKE** This felsic diking is quite variable as the alteration changes gradationally from extremely silicous and pink to pervasively sericite/finely yellow carb altered. The highly silicous material is a buff pinkish colour and contains qtz veinlets and coarser pyrite mineralization to 4mm in diameter. The yellow	f.dk		120	377.18	378.55	1.37	3	tr			0.256					
			um		121	378.55	378.95	0.40	-	-			0.224					
			f.dk		122	378.95	380.00	1.05	1	tr			0.335					
			f.dk		123	380.00	381.00	1.00	3	tr			0.310					
			f.dk		124	381.00	382.00	1.00	<1	-			0.095					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-052

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		sericite/carbonate altered sections contain very fine dust like disseminations of pyrite. Upper section to 377.80 is more silicous alteration with some sericite/carb over last 30cm. 377.80 - 378.55m: very intense sericite/carb alteration 378.55 - 378.95m: olive green carbonate altered ultramafics 378.95 - 380.15m: strong sericite/carb alteration 380.15 - 380.55m: very strong silicification (pink) 380.55 - 380.59m: ultramafic 380.59 - 382.00m: moderate to strong albitization -abundance of quartz veinlets																	
382.00	384.20	**ULTRAMAFICS** Olive green carbonate altered and very silicous as a result of the adjacent diking. The rock is a dull pinkish green colour. Strong qtz/carb stringers and veining throughout at 85-90 degrees tca. Very hard. Local pyritization.	um		125	382.00	383.10	1.10	tr	-			0.002					
			um		126	383.10	384.20	1.10	tr	-			0.002					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Ogden ZONE: Thomas Ogden HOLE NO.: TO16-052

METERAGE		DESCRIPTION	ROCK	Alt'n	SAMPLES						ASSAYS							
FROM	TO		CODE		No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
384.20	406.00	**INTERMEDIATE DIKE** Grey, massive and locally weakly resembles gabbro with a salt and pepper texture of sub-euhedral plag in a fine amphibole groundmass. Grain size is variable from fine to medium locally with a clotty texture. Non-magnetic. It appears to be a multi-phase dike with dikes within a dike with sharp chill margins. Silicous patches within that have a cherty texture and pinkish hue. Quartz-carb stringers to narrow veinlets throughout averaging 3-4 per meter. Fine disseminated pyrite throughout varying from trace to 1% locally. Extremely blocky unit with breaks commonly at 45 and 72 degrees tca.	I.dk		127	384.20	386.00	1.80	<0.5	-			0.017						
			I.Dk		128	386.00	387.50	1.50	<0.5	-			0.296						
			I.Dk		129	387.50	389.00	1.50	<0.5	-			0.057						
			I.Dk		130	389.00	390.50	1.50	<0.5	-			0.770						
			I.Dk		131	390.50	392.00	1.50	<0.5	-			0.232						
			I.Dk		132	392.00	393.50	1.50	<0.5	-			0.578						
			I.Dk		133	393.50	395.00	1.50	<0.5	-			0.087						
			I.Dk		134	395.00	396.50	1.50	<1	-			0.087						
			I.Dk		135	396.50	398.00	1.50	<0.5	-			0.230						
			I.Dk		136	398.00	399.50	1.50	<1	-			0.056						
			I.Dk		137	399.50	401.00	1.50	<0.5	-			0.034						
			I.Dk		138	401.00	402.50	1.50	tr	-			0.072						
			I.Dk		139	402.50	404.00	1.50	tr	-			0.063						
			I.Dk		140	404.00	406.00	2.00	0.25	-			0.114						

Printed: December-01-16

APPENDIX IV

ASSAY CERTIFICATES

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Tuesday, May 17, 2016

Final Certificate

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Fax#: (807) 345-5382
Email: mmacisaac@metalscreek.com, astares@metalscreek.com

Date Received: 05/10/2016
Date Completed: 05/17/2016
Job #: 201660225
Reference: TOG16-44
Sample #: 111

Acc #	Client ID	Au g/t (ppm)
6759	TOG-16-44-1	<0.005
6760	TOG-16-44-2	0.011
6761	TOG-16-44-3	0.008
6762	TOG-16-44-4	<0.005
6763	TOG-16-44-5	<0.005
6764	TOG-16-44-6	0.024
6765	TOG-16-44-7	0.129
6766	TOG-16-44-8	0.177
6767	TOG-16-44-9	0.197
6768	TOG-16-44-10	0.296
6769	TOG-16-44-11	0.188
6770	TOG-16-44-12	0.029
6771	TOG-16-44-13	<0.005
6772	TOG-16-44-14	0.154
6773	TOG-16-44-15	0.060
6774	TOG-16-44-16	0.047
6775	TOG-16-44-17	0.090
6776	TOG-16-44-18	0.300
6777	TOG-16-44-19	0.017
6778	TOG-16-44-20	0.029
6779	TOG-16-44-21	0.016
6780	TOG-16-44-21 Dup	0.020
6781	TOG-16-44-22	3.834
6782	TOG-16-44-23	0.019
6783	TOG-16-44-24	0.035

APPLIED SCOPES: ALP1, ALFA1

Validated By:
Jesse Deschutter
Assistant Manager - Thunder Bay

Certified By:
Andrew Oleski
Lab Manager - Thunder Bay

Authorized By:
Derek Demianiuk, VP Quality

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Date Received: 05/10/2016
Date Completed: 05/17/2016
Job #: 201660225
Reference: TOG16-44
Sample #: 111

Acc #	Client ID	Au g/t (ppm)
6784	TOG-16-44-25	0.007
6785	TOG-16-44-26	0.017
6786	TOG-16-44-27	0.008
6787	TOG-16-44-28	0.025
6788	TOG-16-44-29	0.008
6789	TOG-16-44-30	0.083
6790	TOG-16-44-31	0.065
6791	TOG-16-44-31 Dup	0.081
6792	TOG-16-44-32	0.059
6793	TOG-16-44-33	0.040
6794	TOG-16-44-34	0.060
6795	TOG-16-44-35	0.012
6796	TOG-16-44-36	0.031
6797	TOG-16-44-37	0.158
6798	TOG-16-44-38	0.325
6799	TOG-16-44-39	0.120
6800	TOG-16-44-40	0.024
6801	TOG-16-44-41	0.033
6802	TOG-16-44-41 Dup	0.009
6803	TOG-16-44-42	0.029
6804	TOG-16-44-43	<0.005
6805	TOG-16-44-44	0.050
6806	TOG-16-44-45	0.038
6807	TOG-16-44-46	0.028
6808	TOG-16-44-47	0.027

APPLIED SCOPES: ALP1, ALFA1

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Date Received: 05/10/2016
Date Completed: 05/17/2016
Job #: 201660225
Reference: TOG16-44
Sample #: 111

Acc #	Client ID	Au g/t (ppm)
6809	TOG-16-44-48	0.234
6810	TOG-16-44-49	1.356
6811	TOG-16-44-50	0.006
6812	TOG-16-44-51	0.043
6813	TOG-16-44-51 Dup	0.109
6814	TOG-16-44-52	0.045
6815	TOG-16-44-53	0.046
6816	TOG-16-44-54	0.134
6817	TOG-16-44-55	<0.005
6818	TOG-16-44-56	0.316
6819	TOG-16-44-57	0.079
6820	TOG-16-44-58	0.159
6821	TOG-16-44-59	0.086
6822	TOG-16-44-60	0.073
6823	TOG-16-44-61	0.060
6824	TOG-16-44-61 Rep	0.051
6825	TOG-16-44-62	0.063
6826	TOG-16-44-63	0.151
6827	TOG-16-44-64	0.008
6828	TOG-16-44-65	0.054
6829	TOG-16-44-66	0.178
6830	TOG-16-44-67	0.038
6831	TOG-16-44-68	0.012
6832	TOG-16-44-69	0.042
6833	TOG-16-44-70	0.119

APPLIED SCOPES: ALP1, ALFA1

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Date Received: 05/10/2016
Date Completed: 05/17/2016
Job #: 201660225
Reference: TOG16-44
Sample #: 111

Acc #	Client ID	Au g/t (ppm)
6834	TOG-16-44-71	0.038
6835	TOG-16-44-71 Dup	0.068
6836	TOG-16-44-72	0.020
6837	TOG-16-44-73	0.173
6838	TOG-16-44-74	0.008
6839	TOG-16-44-75	<0.005
6840	TOG-16-44-76	<0.005
6841	TOG-16-44-77	<0.005
6842	TOG-16-44-78	0.011
6843	TOG-16-44-79	0.022
6844	TOG-16-44-80	<0.005
6845	TOG-16-44-81	0.005
6846	TOG-16-44-81 Dup	0.013
6847	TOG-16-44-82	1.525
6848	TOG-16-44-83	0.008
6849	TOG-16-44-84	<0.005
6850	TOG-16-44-85	<0.005
6851	TOG-16-44-86	<0.005
6852	TOG-16-44-87	<0.005
6853	TOG-16-44-88	<0.005
6854	TOG-16-44-89	<0.005
6855	TOG-16-44-90	<0.005
6856	TOG-16-44-91	<0.005
6857	TOG-16-44-91 Dup	<0.005
6858	TOG-16-44-92	<0.005

APPLIED SCOPES: ALP1, ALFA1

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Date Received: 05/10/2016
Date Completed: 05/17/2016
Job #: 201660225
Reference: TOG16-44
Sample #: 111

Acc #	Client ID	Au g/t (ppm)
6859	TOG-16-44-93	<0.005
6860	TOG-16-44-94	<0.005
6861	TOG-16-44-95	<0.005
6862	TOG-16-44-96	<0.005
6863	TOG-16-44-97	<0.005
6864	TOG-16-44-98	<0.005
6865	TOG-16-44-99	<0.005
6866	TOG-16-44-100	<0.005
6867	TOG-16-44-101	0.006
6868	TOG-16-44-101 Dup	<0.005
6869	TOG-16-44-102	0.020
6870	TOG-16-44-103	<0.005
6871	TOG-16-44-104	<0.005
6872	TOG-16-44-105	<0.005
6873	TOG-16-44-106	0.026
6874	TOG-16-44-107	<0.005
6875	TOG-16-44-108	0.005
6876	TOG-16-44-109	<0.005
6877	TOG-16-44-110	<0.005
6878	TOG-16-44-111	<0.005
6879	TOG-16-44-111 Dup	<0.005

APPLIED SCOPES: ALP1, ALFA1

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Date Received: 05/10/2016
Date Completed: 05/17/2016
Job #: 201660225
Reference: TOG16-44
Sample #: 111

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
GS42	Au	0.631	0.650	0.040
GS45	Au	2.943	2.920	0.180
GS42	Au	0.661	0.650	0.040
GS42	Au	0.644	0.650	0.040

APPLIED SCOPES: ALP1, ALFA1

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Email: mmacisaac@metalscreek.com, astares@metalscreek.com

Date Received: 05/12/2016
Date Completed: 05/19/2016
Job #: 201660279
Reference: TOG16-45
Sample #: 148

Acc #	Client ID	Au g/t (ppm)
8316	TOG16-45-01	<0.005
8317	TOG16-45-02	<0.005
8318	TOG16-45-03	<0.005
8319	TOG16-45-04	0.014
8320	TOG16-45-05	0.010
8321	TOG16-45-06	<0.005
8322	TOG16-45-07	<0.005
8323	TOG16-45-08	<0.005
8324	TOG16-45-09	<0.005
8325	TOG16-45-010	0.420
8326	TOG16-45-010 Dup	0.478
8327	TOG16-45-011	0.239
8328	TOG16-45-012	0.302
8329	TOG16-45-013	0.059
8330	TOG16-45-014	0.165
8331	TOG16-45-015	0.086
8332	TOG16-45-016	0.056
8333	TOG16-45-017	<0.005
8334	TOG16-45-018	<0.005
8335	TOG16-45-019	<0.005
8336	TOG16-45-020	<0.005
8337	TOG16-45-020 Dup	<0.005
8338	TOG16-45-021	0.013
8339	TOG16-45-022	0.005
8340	TOG16-45-023	0.036

APPLIED SCOPES: ALP1, ALFA1

Validated By:
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Assistant Manager - Thunder Bay

Certified By:
Andrew Oleski
Lab Manager - Thunder Bay

Authorized By:
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Date Received: 05/12/2016
Date Completed: 05/19/2016
Job #: 201660279
Reference: TOG16-45
Sample #: 148

Acc #	Client ID	Au g/t (ppm)
8341	TOG16-45-024	0.006
8342	TOG16-45-025	<0.005
8343	TOG16-45-026	0.007
8344	TOG16-45-027	4.132
8345	TOG16-45-028	0.023
8346	TOG16-45-029	0.082
8347	TOG16-45-030	0.011
8348	TOG16-45-030 Dup	0.017
8349	TOG16-45-031	0.006
8350	TOG16-45-032	0.011
8351	TOG16-45-033	0.009
8352	TOG16-45-034	<0.005
8353	TOG16-45-035	<0.005
8354	TOG16-45-036	<0.005
8355	TOG16-45-037	0.029
8356	TOG16-45-038	0.106
8357	TOG16-45-039	0.034
8358	TOG16-45-040	0.005
8359	TOG16-45-040 Dup	0.005
8360	TOG16-45-041	0.006
8361	TOG16-45-042	<0.005
8362	TOG16-45-043	<0.005
8363	TOG16-45-044	0.115
8364	TOG16-45-045	0.038
8365	TOG16-45-046	0.051

APPLIED SCOPES: ALP1, ALFA1

Validated By:
Jesse Deschutter
Assistant Manager - Thunder Bay

Certified By:
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Lab Manager - Thunder Bay

Authorized By:
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Date Received: 05/12/2016
Date Completed: 05/19/2016
Job #: 201660279
Reference: TOG16-45
Sample #: 148

Acc #	Client ID	Au g/t (ppm)
8366	TOG16-45-047	0.148
8367	TOG16-45-048	0.037
8368	TOG16-45-049	0.078
8369	TOG16-45-050	0.059
8370	TOG16-45-050 Dup	0.066
8371	TOG16-45-051	0.761
8372	TOG16-45-052	0.142
8373	TOG16-45-053	0.056
8374	TOG16-45-054	0.036
8375	TOG16-45-055	0.005
8376	TOG16-45-056	0.006
8377	TOG16-45-057	0.019
8378	TOG16-45-058	<0.005
8379	TOG16-45-059	0.017
8380	TOG16-45-060	0.016
8381	TOG16-45-060 Rep	0.015
8382	TOG16-45-061	0.084
8383	TOG16-45-062	0.073
8384	TOG16-45-063	0.098
8385	TOG16-45-064	0.109
8386	TOG16-45-065	0.030
8387	TOG16-45-066	0.030
8388	TOG16-45-067	0.083
8389	TOG16-45-068	0.071
8390	TOG16-45-069	0.098

APPLIED SCOPES: ALP1, ALFA1

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Lab Manager - Thunder Bay

Authorized By:
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Thursday, May 19, 2016

Final Certificate

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Email: mmacisaac@metalscreek.com, astares@metalscreek.com

Date Received: 05/12/2016
Date Completed: 05/19/2016
Job #: 201660279
Reference: TOG16-45
Sample #: 148

Acc #	Client ID	Au g/t (ppm)
8391	TOG16-45-070	0.030
8392	TOG16-45-070 Dup	0.017
8393	TOG16-45-071	0.068
8394	TOG16-45-072	<0.005
8395	TOG16-45-073	0.034
8396	TOG16-45-074	<0.005
8397	TOG16-45-075	0.006
8398	TOG16-45-076	0.006
8399	TOG16-45-077	0.029
8400	TOG16-45-078	0.232
8401	TOG16-45-079	0.005
8402	TOG16-45-080	0.042
8403	TOG16-45-080 Dup	0.039
8404	TOG16-45-081	0.017
8405	TOG16-45-082	0.005
8406	TOG16-45-083	0.008
8407	TOG16-45-084	0.036
8408	TOG16-45-085	0.011
8409	TOG16-45-086	0.007
8410	TOG16-45-087	4.187
8411	TOG16-45-088	0.070
8412	TOG16-45-089	0.018
8413	TOG16-45-090	0.010
8414	TOG16-45-090 Dup	0.008
8415	TOG16-45-091	0.008

APPLIED SCOPES: ALP1, ALFA1

Validated By:
Jesse Deschutter
Assistant Manager - Thunder Bay

Certified By:
Andrew Oleski
Lab Manager - Thunder Bay

Authorized By:
Derek Demianiuk, VP Quality

-0730-05/19/2016 12:00 PM

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Email: mmacisaac@metalscreek.com, astares@metalscreek.com

Date Received: 05/12/2016
Date Completed: 05/19/2016
Job #: 201660279
Reference: TOG16-45
Sample #: 148

Acc #	Client ID	Au g/t (ppm)
8416	TOG16-45-092	0.005
8417	TOG16-45-093	0.056
8418	TOG16-45-094	0.038
8419	TOG16-45-095	0.137
8420	TOG16-45-096	0.203
8421	TOG16-45-097	0.036
8422	TOG16-45-098	0.021
8423	TOG16-45-099	<0.005
8424	TOG16-45-100	<0.005
8425	TOG16-45-100 Dup	<0.005
8426	TOG16-45-101	<0.005
8427	TOG16-45-102	0.008
8428	TOG16-45-103	0.009
8429	TOG16-45-104	0.010
8430	TOG16-45-105	0.007
8431	TOG16-45-106	0.010
8432	TOG16-45-107	<0.005
8433	TOG16-45-108	<0.005
8434	TOG16-45-109	<0.005
8435	TOG16-45-110	<0.005
8436	TOG16-45-110 Dup	<0.005
8437	TOG16-45-111	<0.005
8438	TOG16-45-112	<0.005
8439	TOG16-45-113	<0.005
8440	TOG16-45-114	<0.005

APPLIED SCOPES: ALP1, ALFA1

Validated By:
Jesse Deschutter
Assistant Manager - Thunder Bay

Certified By:
Andrew Oleski
Lab Manager - Thunder Bay

Authorized By:
Derek Demianiuk, VP Quality

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Date Received: 05/12/2016
Date Completed: 05/19/2016
Job #: 201660279
Reference: TOG16-45
Sample #: 148

Acc #	Client ID	Au g/t (ppm)
8441	TOG16-45-115	<0.005
8442	TOG16-45-116	<0.005
8443	TOG16-45-117	<0.005
8444	TOG16-45-118	1.371
8445	TOG16-45-119	<0.005
8446	TOG16-45-120	<0.005
8447	TOG16-45-120 Rep	<0.005
8448	TOG16-45-121	<0.005
8449	TOG16-45-122	0.006
8450	TOG16-45-123	0.035
8451	TOG16-45-124	0.016
8452	TOG16-45-125	<0.005
8453	TOG16-45-126	<0.005
8455	TOG16-45-128	<0.005
8456	TOG16-45-129	0.319
8457	TOG16-45-130	0.013
8458	TOG16-45-130 Dup	0.012
8459	TOG16-45-131	0.061
8460	TOG16-45-132	0.022
8461	TOG16-45-133	0.046
8462	TOG16-45-134	0.007
8463	TOG16-45-135	0.026
8464	TOG16-45-136	0.013
8465	TOG16-45-137	0.015
8466	TOG16-45-138	0.018

APPLIED SCOPES: ALP1, ALFA1

Validated By:
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Certified By:
Andrew Oleski
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Authorized By:
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Date Received: 05/12/2016
Date Completed: 05/19/2016
Job #: 201660279
Reference: TOG16-45
Sample #: 148

Acc #	Client ID	Au g/t (ppm)
8467	TOG16-45-139	<0.005
8468	TOG16-45-140	<0.005
8469	TOG16-45-140 Dup	<0.005
8470	TOG16-45-141	0.020
8471	TOG16-45-142	<0.005
8472	TOG16-45-143	0.008
8473	TOG16-45-144	<0.005
8474	TOG16-45-145	<0.005
8475	TOG16-45-146	<0.005
8476	TOG16-45-147	0.005
8477	TOG16-45-148	<0.005

APPLIED SCOPES: ALP1, ALFA1

Validated By:
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Certified By:
Andrew Oleski
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Authorized By:
Derek Demianiuk, VP Quality

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Date Received: 05/12/2016
Date Completed: 05/19/2016
Job #: 201660279
Reference: TOG16-45
Sample #: 148

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
GS42	Au	0.684	0.650	0.040
GS42	Au	0.699	0.650	0.040
GS42	Au	0.671	0.650	0.040
GS42	Au	0.655	0.650	0.040
GS42	Au	0.652	0.650	0.040
GS42	Au	0.711	0.650	0.040
GS42	Au	0.674	0.650	0.040
GS42	Au	0.637	0.650	0.040
GS42	Au	0.650	0.650	0.040

APPLIED SCOPES: ALP1, ALFA1

Validated By:
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Date Received: 05/16/2016
Date Completed: 05/26/2016
Job #: 201641023
Reference: TOG16-46
Sample #: 93

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
112097	TOG16-46-001	0.005	
112098	TOG16-46-002	0.025	
112099	TOG16-46-003	0.070	
112100	TOG16-46-004	0.412	
112101	TOG16-46-005	2.206	2.058
112102	TOG16-46-006	0.169	
112103	TOG16-46-007	0.047	
112104	TOG16-46-008	0.105	
112105	TOG16-46-009	0.094	
112106	TOG16-46-010	0.068	
112107	TOG16-46-010 Dup	0.070	
112108	TOG16-46-011	0.131	
112109	TOG16-46-012	0.061	
112110	TOG16-46-013	0.078	
112111	TOG16-46-014	0.105	
112112	TOG16-46-015	0.102	
112113	TOG16-46-016	0.829	
112114	TOG16-46-017	<0.005	
112115	TOG16-46-018	0.186	
112116	TOG16-46-019	0.335	
112117	TOG16-46-020	1.207	1.175
112118	TOG16-46-020 Dup	1.183	1.355
112119	TOG16-46-021	1.964	2.070
112120	TOG16-46-022	1.011	1.128
112121	TOG16-46-023	0.770	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

Validated By:
Shawn Rask
Laboratory Assistant Manager

Certified By:
Andrew Oleski
Lab Manager - Thunder Bay

Authorized By:
Derek Demianiuk, VP Quality

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Date Received: 05/16/2016
Date Completed: 05/26/2016
Job #: 201641023
Reference: TOG16-46
Sample #: 93

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
112122	TOG16-46-024	0.019	
112123	TOG16-46-025	0.135	
112124	TOG16-46-026	1.444	
112125	TOG16-46-027	0.341	
112126	TOG16-46-028	0.071	
112127	TOG16-46-029	0.044	
112128	TOG16-46-030	0.027	
112129	TOG16-46-030 Dup	0.021	
112130	TOG16-46-031	0.019	
112131	TOG16-46-032	<0.005	
112132	TOG16-46-033	0.008	
112133	TOG16-46-034	0.012	
112134	TOG16-46-035	<0.005	
112135	TOG16-46-036	0.006	
112136	TOG16-46-037	<0.005	
112137	TOG16-46-038	0.010	
112138	TOG16-46-039	0.009	
112139	TOG16-46-040	0.011	
112140	TOG16-46-040 Dup	0.008	
112141	TOG16-46-041	0.016	
112142	TOG16-46-042	<0.005	
112143	TOG16-46-043	0.008	
112144	TOG16-46-044	<0.005	
112145	TOG16-46-045	0.010	
112146	TOG16-46-046	0.031	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

Validated By:
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Certified By:
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Authorized By:
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Date Received: 05/16/2016
Date Completed: 05/26/2016
Job #: 201641023
Reference: TOG16-46
Sample #: 93

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
112147	TOG16-46-047	0.010	
112148	TOG16-46-048	0.019	
112149	TOG16-46-049	0.045	
112150	TOG16-46-050	0.357	
112151	TOG16-46-050 Dup	0.329	
112152	TOG16-46-051	<0.005	
112153	TOG16-46-052	0.016	
112154	TOG16-46-053	<0.005	
112155	TOG16-46-054	0.011	
112156	TOG16-46-055	0.009	
112157	TOG16-46-056	0.012	
112158	TOG16-46-057	3.904	
112159	TOG16-46-058	0.006	
112160	TOG16-46-059	0.050	
112161	TOG16-46-060	<0.005	
112162	TOG16-46-060 Rep	<0.005	
112163	TOG16-46-061	<0.005	
112164	TOG16-46-062	0.030	
112165	TOG16-46-063	0.301	
112166	TOG16-46-064	0.088	
112167	TOG16-46-065	0.040	
112168	TOG16-46-066	0.053	
112169	TOG16-46-067	0.014	
112170	TOG16-46-068	0.142	
112171	TOG16-46-069	0.047	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

Validated By:
Shawn Rask
Laboratory Assistant Manager

Certified By:
Andrew Oleski
Lab Manager - Thunder Bay

Authorized By:
Derek Demianiuk, VP Quality

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Date Received: 05/16/2016
Date Completed: 05/26/2016
Job #: 201641023
Reference: TOG16-46
Sample #: 93

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
112172	TOG16-46-070	0.024	
112173	TOG16-46-070 Dup	0.020	
112174	TOG16-46-071	0.018	
112175	TOG16-46-072	0.012	
112176	TOG16-46-073	<0.005	
112177	TOG16-46-074	0.019	
112178	TOG16-46-075	<0.005	
112179	TOG16-46-076	0.060	
112180	TOG16-46-077	0.181	
112181	TOG16-46-078	0.204	
112182	TOG16-46-079	0.111	
112183	TOG16-46-080	0.241	
112184	TOG16-46-080 Dup	0.230	
112185	TOG16-46-081	0.213	
112186	TOG16-46-082	0.499	
112187	TOG16-46-083	0.037	
112188	TOG16-46-084	0.758	
112189	TOG16-46-085	<0.005	
112190	TOG16-46-086	<0.005	
112191	TOG16-46-087	<0.005	
112192	TOG16-46-088	<0.005	
112193	TOG16-46-089	<0.005	
112194	TOG16-46-090	<0.005	
112195	TOG16-46-090 Dup	<0.005	
112196	TOG16-46-091	<0.005	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

Validated By:
Shawn Rask
Laboratory Assistant Manager

Certified By:
Andrew Oleski
Lab Manager - Thunder Bay

Authorized By:
Derek Demianiuk, VP Quality

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Thursday, May 26, 2016

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Date Received: 05/16/2016
Date Completed: 05/26/2016
Job #: 201641023
Reference: TOG16-46
Sample #: 93

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
112197	TOG16-46-092	<0.005	
112198	TOG16-46-093	<0.005	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

Validated By:
Shawn Rask
Laboratory Assistant Manager

Certified By:
Andrew Oleski
Lab Manager - Thunder Bay

Authorized By:
Derek Demianiuk, VP Quality

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Date Received: 05/16/2016
Date Completed: 05/26/2016
Job #: 201641023
Reference: TOG16-46
Sample #: 93

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
GS42	Au	0.687	0.650	0.040
GS42	Au	0.678	0.650	0.040
GS42	Au	0.594	0.650	0.040
GS42	Au	0.588	0.650	0.040

APPLIED SCOPES: ALP1, ALFA1, ALFA7

Validated By:
Shawn Rask
Laboratory Assistant Manager

Certified By:
Andrew Oleski
Lab Manager - Thunder Bay

Authorized By:
Derek Demianiuk, VP Quality

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Tuesday, May 31, 2016

Final Certificate

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Fax#: (807) 345-5382
Email: mmacisaac@metalscreek.com, astares@metalscreek.com

Date Received: 05/20/2016
Date Completed: 05/31/2016
Job #: 201641060
Reference: 201641023
Sample #: 9

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
115863	TOG16-46-019	0.368	
115864	TOG16-46-020	2.540	2.975
115865	TOG16-46-021	1.764	1.155
115866	TOG16-46-022	0.976	
115867	TOG16-46-023	0.943	
115868	TOG16-46-024	0.012	
115869	TOG16-46-025	0.121	
115870	TOG16-46-026	Insufficient Sample	
115871	TOG16-46-027	0.614	

APPLIED SCOPES: ALFA1, ALP6, ALFA7

Validated By:
Jesse Deschutter
Assistant Manager - Thunder Bay

Certified By:
Andrew Oleski
Lab Manager - Thunder Bay

Authorized By:
Derek Demianiuk, VP Quality

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Monday, October 17, 2016

Final Certificate

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Fax#: (807) 345-5382
Email: mmacisaac@metalscreek.com, astares@metalscreek.com

Date Received: 09/30/2016
Date Completed: 10/17/2016
Job #: 201642018
Reference: TOG-16-47
Sample #: 70

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
214063	TOG-16-47-024	0.250	
214064	TOG-16-47-025	0.194	
214065	TOG-16-47-026	0.411	
214066	TOG-16-47-027	0.089	
214067	TOG-16-47-028	0.010	
214068	TOG-16-47-029	0.014	
214069	TOG-16-47-030	0.130	
214070	TOG-16-47-030 Dup	0.101	
214071	TOG-16-47-031	<0.005	
214072	TOG-16-47-032	0.090	
214073	TOG-16-47-033	<0.005	
214074	TOG-16-47-034	0.218	
214075	TOG-16-47-035	2.937	3.100
214076	TOG-16-47-036	0.750	
214077	TOG-16-47-037	<0.005	
214078	TOG-16-47-038	0.072	
214079	TOG-16-47-039	0.034	
214080	TOG-16-47-040	<0.005	
214081	TOG-16-47-040 Dup	<0.005	
214082	TOG-16-47-041	0.193	
214083	TOG-16-47-042	0.093	
214084	TOG-16-47-043	1.306	1.306
214085	TOG-16-47-044	4.000	4.209
214086	TOG-16-47-045	1.671	1.739
214087	TOG-16-47-046	<0.005	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

Validated By:
Jason Moore, VP Operations, Assayer

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Monday, October 17, 2016

Final Certificate

Metals Creek Resources
945 Cobalt Cres
Thunder Bay, ON, CAN
P7B 5Z4
Ph#: (807) 345-4990
Fax#: (807) 345-5382
Email: mmacisaac@metalscreek.com, astares@metalscreek.com

Date Received: 09/30/2016
Date Completed: 10/17/2016
Job #: 201642018
Reference: TOG-16-47
Sample #: 70

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
214088	TOG-16-47-047	0.303	
214089	TOG-16-47-048	0.031	
214090	TOG-16-47-049	0.017	
214091	TOG-16-47-050	0.096	
214092	TOG-16-47-050 Dup	0.100	
214093	TOG-16-47-051	0.033	
214094	TOG-16-47-052	1.974	1.422
214095	TOG-16-47-053	0.219	
214096	TOG-16-47-054	0.486	
214097	TOG-16-47-055	1.290	1.967
214098	TOG-16-47-056	0.130	
214099	TOG-16-47-057	1.474	1.410
214100	TOG-16-47-058	1.333	
214101	TOG-16-47-059	0.127	
214102	TOG-16-47-060	3.578	3.745
214103	TOG-16-47-060 Rep	2.287	2.326
214104	TOG-16-47-061	0.124	
214105	TOG-16-47-062	0.025	
214106	TOG-16-47-063	0.049	
214107	TOG-16-47-064	0.171	
214108	TOG-16-47-065	0.152	
214109	TOG-16-47-066	0.122	
214110	TOG-16-47-067	1.894	2.156
214111	TOG-16-47-068	0.652	
214112	TOG-16-47-069	0.039	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

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Date Received: 09/30/2016
Date Completed: 10/17/2016
Job #: 201642018
Reference: TOG-16-47
Sample #: 70

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
214113	TOG-16-47-070	<0.005	
214114	TOG-16-47-070 Dup	<0.005	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

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Date Received: 09/30/2016
Date Completed: 10/17/2016
Job #: 201642018
Reference: TOG-16-47
Sample #: 70

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm
WW06	Au	1.008	1.100	0.060
WW06	Au	0.984	1.100	0.060
WW06	Au	1.003	1.100	0.060
WW06	Au	1.163	1.100	0.060
GS37	AuG	3.625	3.220	0.210
WW06	Au	1.163	1.100	0.060

APPLIED SCOPES: ALP1, ALFA1, ALFA7

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Date Received: 10/11/2016
Date Completed: 10/26/2016
Job #: 201642097
Reference:
Sample #: 108

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
219545	TOG16-48-1	0.029	
219546	TOG16-48-2	0.130	
219547	TOG16-48-3	0.029	
219548	TOG16-48-4	0.006	
219549	TOG16-48-5	0.009	
219550	TOG16-48-6	0.007	
219551	TOG16-48-7	0.011	
219552	TOG16-48-8	<0.005	
219553	TOG16-48-9	0.006	
219554	TOG16-48-10	<0.005	
219555	TOG16-48-10 Dup	<0.005	
219556	TOG16-48-11	0.006	
219557	TOG16-48-12	0.006	
219558	TOG16-48-13	0.005	
219559	TOG16-48-14	0.007	
219560	TOG16-48-15	0.006	
219561	TOG16-48-16	<0.005	
219562	TOG16-48-17	<0.005	
219563	TOG16-48-18	0.006	
219564	TOG16-48-19	0.006	
219565	TOG16-48-20	<0.005	
219566	TOG16-48-20 Dup	0.006	
219567	TOG16-48-21	0.007	
219568	TOG16-48-22	0.008	
219569	TOG16-48-23	<0.005	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

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Date Received: 10/11/2016
Date Completed: 10/26/2016
Job #: 201642097
Reference:
Sample #: 108

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
219570	TOG16-48-24	0.015	
219571	TOG16-48-25	0.013	
219572	TOG16-48-26	3.066	
219573	TOG16-48-27	0.008	
219574	TOG16-48-28	0.006	
219575	TOG16-48-29	0.009	
219576	TOG16-48-30	<0.005	
219577	TOG16-48-30 Dup	<0.005	
219578	TOG16-48-31	0.006	
219579	TOG16-48-32	<0.005	
219580	TOG16-48-33	<0.005	
219581	TOG16-48-34	0.025	
219582	TOG16-48-35	<0.005	
219583	TOG16-48-36	0.006	
219584	TOG16-48-37	0.006	
219585	TOG16-48-38	0.005	
219586	TOG16-48-39	0.008	
219587	TOG16-48-40	0.007	
219588	TOG16-48-40 Dup	0.005	
219589	TOG16-48-41	0.007	
219590	TOG16-48-42	<0.005	
219591	TOG16-48-43	0.006	
219592	TOG16-48-44	<0.005	
219593	TOG16-48-45	0.188	
219594	TOG16-48-46	>10.000	40.610

APPLIED SCOPES: ALP1, ALFA1, ALFA7

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Date Received: 10/11/2016
Date Completed: 10/26/2016
Job #: 201642097
Reference:
Sample #: 108

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
219595	TOG16-48-47	1.053	1.105
219596	TOG16-48-48	0.337	
219597	TOG16-48-49	0.196	
219598	TOG16-48-50	0.090	
219599	TOG16-48-50 Dup	0.088	
219600	TOG16-48-51	0.009	
219601	TOG16-48-52	0.029	
219602	TOG16-48-53	0.470	
219603	TOG16-48-54	0.682	
219604	TOG16-48-55	1.460	1.500
219605	TOG16-48-56	5.698	6.821
219606	TOG16-48-57	0.359	
219607	TOG16-48-58	0.408	
219608	TOG16-48-59	3.780	
219609	TOG16-48-60	2.029	2.121
219610	TOG16-48-60 Rep	2.079	2.045
219611	TOG16-48-61	0.496	
219612	TOG16-48-62	0.186	
219613	TOG16-48-63	0.014	
219614	TOG16-48-64	0.007	
219615	TOG16-49-1	0.020	
219616	TOG16-49-2	0.313	
219617	TOG16-49-3	0.039	
219618	TOG16-49-4	0.008	
219619	TOG16-49-5	0.214	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

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Date Received: 10/11/2016
Date Completed: 10/26/2016
Job #: 201642097
Reference:
Sample #: 108

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
219620	TOG16-49-6	0.345	
219621	TOG16-49-6 Dup	0.344	
219622	TOG16-49-7	0.418	
219623	TOG16-49-8	0.279	
219624	TOG16-49-9	1.887	1.666
219625	TOG16-49-10	0.629	
219626	TOG16-49-11	<0.005	
219627	TOG16-49-12	1.277	2.945
219628	TOG16-49-13	0.219	
219629	TOG16-49-14	0.084	
219630	TOG16-49-15	0.039	
219631	TOG16-49-16	0.111	
219632	TOG16-49-16 Dup	0.076	
219633	TOG16-49-17	0.063	
219634	TOG16-49-18	<0.005	
219635	TOG16-49-19	<0.005	
219636	TOG16-49-20	<0.005	
219637	TOG16-49-21	2.785	
219638	TOG16-49-22	0.014	
219639	TOG16-49-23	0.016	
219640	TOG16-49-24	<0.005	
219641	TOG16-49-25	<0.005	
219642	TOG16-49-26	0.012	
219643	TOG16-49-26 Dup	0.005	
219644	TOG16-49-27	0.270	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

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Date Received: 10/11/2016
Date Completed: 10/26/2016
Job #: 201642097
Reference:
Sample #: 108

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
219645	TOG16-49-28	0.450	
219646	TOG16-49-29	0.070	
219647	TOG16-49-30	0.723	
219648	TOG16-49-31	0.012	
219649	TOG16-49-32	<0.005	
219650	TOG16-49-33	<0.005	
219651	TOG16-49-34	3.251	
219652	TOG16-49-35	0.163	
219653	TOG16-49-36	0.119	
219654	TOG16-49-36 Dup	0.108	
219655	TOG16-49-37	<0.005	
219656	TOG16-49-38	0.016	
219657	TOG16-49-39	0.009	
219658	TOG16-49-40	0.020	
219659	TOG16-49-41	0.185	
219660	TOG16-49-42	0.553	
219661	TOG16-49-43	0.010	
219662	TOG16-49-44	0.025	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

Validated By:
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Certified By:
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Authorized By:
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Date Received: 10/11/2016
Date Completed: 10/26/2016
Job #: 201642097
Reference:
Sample #: 108

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
WW06	Au	1.106	1.100	0.060
WW06	Au	1.164	1.100	0.060
WW06	Au	1.078	1.100	0.060
WW06	Au	1.075	1.100	0.060
WW06	Au	1.072	1.100	0.060
GS37	AuG	2.869	3.220	0.210

APPLIED SCOPES: ALP1, ALFA1, ALFA7

Validated By:
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Email: mmacisaac@metalscreek.com, astares@metalscreek.com

Date Received: 10/24/2016
Date Completed: 11/09/2016
Job #: 201642200
Reference: TOG16-050
Sample #: 91

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
225766	TOG16-050-01	<0.005	
225767	TOG16-050-02	0.059	
225768	TOG16-050-03	<0.005	
225769	TOG16-050-04	0.144	
225770	TOG16-050-05	0.016	
225771	TOG16-050-06	<0.005	
225772	TOG16-050-07	0.007	
225773	TOG16-050-08	0.016	
225774	TOG16-050-09	1.054	1.146
225775	TOG16-050-10	0.227	
225776	TOG16-050-10 Dup	0.239	
225777	TOG16-050-11	0.219	
225778	TOG16-050-12	0.355	
225779	TOG16-050-13	0.007	
225780	TOG16-050-14	0.008	
225781	TOG16-050-15	0.006	
225782	TOG16-050-16	<0.005	
225783	TOG16-050-17	0.187	
225784	TOG16-050-18	0.453	
225785	TOG16-050-19	0.229	
225786	TOG16-050-20	0.183	
225787	TOG16-050-20 Dup	0.155	
225788	TOG16-050-21	0.137	
225789	TOG16-050-22	0.194	
225790	TOG16-050-23	0.763	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Date Received: 10/24/2016
Date Completed: 11/09/2016
Job #: 201642200
Reference: TOG16-050
Sample #: 91

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
225791	TOG16-050-24	0.210	
225792	TOG16-050-25	0.025	
225793	TOG16-050-26	<0.005	
225794	TOG16-050-27	<0.005	
225795	TOG16-050-28	0.046	
225796	TOG16-050-29	0.008	
225797	TOG16-050-30	0.009	
225798	TOG16-050-30 Dup	0.010	
225799	TOG16-050-31	0.006	
225800	TOG16-050-32	0.128	
225801	TOG16-050-33	0.454	
225802	TOG16-050-34	<0.005	
225803	TOG16-050-35	0.128	
225804	TOG16-050-36	0.040	
225805	TOG16-050-37	0.405	
225806	TOG16-050-38	0.459	
225807	TOG16-050-39	0.164	
225808	TOG16-050-40	0.216	
225809	TOG16-050-40 Dup	0.197	
225810	TOG16-050-41	0.117	
225811	TOG16-050-42	0.679	
225812	TOG16-050-43	0.067	
225813	TOG16-050-44	0.077	
225814	TOG16-050-45	0.245	
225815	TOG16-050-46	3.852	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

Validated By:
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Lab Manager - Thunder Bay

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Date Received: 10/24/2016
Date Completed: 11/09/2016
Job #: 201642200
Reference: TOG16-050
Sample #: 91

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
225816	TOG16-050-47	1.145	1.227
225817	TOG16-050-48	0.458	
225818	TOG16-050-49	0.010	
225819	TOG16-050-50	0.026	
225820	TOG16-050-50 Dup	0.032	
225821	TOG16-050-51	0.293	
225822	TOG16-050-52	0.007	
225823	TOG16-050-53	<0.005	
225824	TOG16-050-54	<0.005	
225825	TOG16-050-55	<0.005	
225826	TOG16-050-56	<0.005	
225827	TOG16-050-57	<0.005	
225828	TOG16-050-58	<0.005	
225829	TOG16-050-59	<0.005	
225830	TOG16-050-60	<0.005	
225831	TOG16-050-60 Rep	<0.005	
225832	TOG16-050-61	<0.005	
225833	TOG16-050-62	<0.005	
225834	TOG16-050-63	<0.005	
225835	TOG16-050-64	<0.005	
225836	TOG16-050-65	<0.005	
225837	TOG16-050-66	<0.005	
225838	TOG16-050-67	0.012	
225839	TOG16-050-68	<0.005	
225840	TOG16-050-69	0.005	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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assay@accurassay.com

Wednesday, November 9, 2016

Final Certificate

Metals Creek Resources
945 Cobalt Cres
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P7B 5Z4
Ph#: (807) 345-4990
Fax#: (807) 345-5382
Email: mmacisaac@metalscreek.com, astares@metalscreek.com

Date Received: 10/24/2016
Date Completed: 11/09/2016
Job #: 201642200
Reference: TOG16-050
Sample #: 91

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
225841	TOG16-050-70	<0.005	
225842	TOG16-050-70 Dup	<0.005	
225843	TOG16-050-71	0.007	
225844	TOG16-050-72	<0.005	
225845	TOG16-050-73	<0.005	
225846	TOG16-050-74	<0.005	
225847	TOG16-050-75	<0.005	
225848	TOG16-050-76	<0.005	
225849	TOG16-050-77	0.006	
225850	TOG16-050-78	<0.005	
225851	TOG16-050-79	0.006	
225852	TOG16-050-80	0.006	
225853	TOG16-050-80 Dup	0.007	
225854	TOG16-050-81	<0.005	
225855	TOG16-050-82	0.005	
225856	TOG16-050-83	0.007	
225857	TOG16-050-84	0.006	
225858	TOG16-050-85	1.348	
225859	TOG16-050-86	0.008	
225860	TOG16-050-87	0.007	
225861	TOG16-050-88	0.178	
225862	TOG16-050-89	0.055	
225863	TOG16-050-90	0.206	
225864	TOG16-050-91	0.119	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

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Date Received: 10/24/2016
Date Completed: 11/09/2016
Job #: 201642200
Reference: TOG16-050
Sample #: 91

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
WW06	Au	1.028	1.100	0.060
WW06	Au	1.057	1.100	0.060
WW06	Au	1.046	1.100	0.060
GS37	AuG	3.267	3.220	0.210

APPLIED SCOPES: ALP1, ALFA1, ALFA7

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Date Received: 10/28/2016
Date Completed: 11/10/2016
Job #: 201642227
Reference: TOG-16-51
Sample #: 104

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
227653	TOG-16-51-001	0.010	
227654	TOG-16-51-002	0.005	
227655	TOG-16-51-003	0.029	
227656	TOG-16-51-004	0.005	
227657	TOG-16-51-005	<0.005	
227658	TOG-16-51-006	0.063	
227659	TOG-16-51-007	<0.005	
227660	TOG-16-51-008	0.018	
227661	TOG-16-51-009	<0.005	
227662	TOG-16-51-010	0.014	
227663	TOG-16-51-010 Dup	0.008	
227664	TOG-16-51-011	<0.005	
227665	TOG-16-51-012	0.005	
227666	TOG-16-51-013	0.028	
227667	TOG-16-51-014	0.008	
227668	TOG-16-51-015	0.033	
227669	TOG-16-51-016	<0.005	
227670	TOG-16-51-017	0.009	
227671	TOG-16-51-018	0.007	
227672	TOG-16-51-019	0.007	
227673	TOG-16-51-020	0.005	
227674	TOG-16-51-020 Dup	0.012	
227675	TOG-16-51-021	0.010	
227676	TOG-16-51-022	0.011	
227677	TOG-16-51-023	0.009	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

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Date Completed: 11/10/2016
Job #: 201642227
Reference: TOG-16-51
Sample #: 104

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
227678	TOG-16-51-024	0.008	
227679	TOG-16-51-025	0.011	
227680	TOG-16-51-026	0.014	
227681	TOG-16-51-027	0.013	
227682	TOG-16-51-028	0.010	
227683	TOG-16-51-029	0.799	
227684	TOG-16-51-030	0.017	
227685	TOG-16-51-030 Dup	0.030	
227686	TOG-16-51-031	0.057	
227687	TOG-16-51-032	0.083	
227688	TOG-16-51-033	0.098	
227689	TOG-16-51-034	0.067	
227690	TOG-16-51-035	0.040	
227691	TOG-16-51-036	0.031	
227692	TOG-16-51-037	0.009	
227693	TOG-16-51-038	0.124	
227694	TOG-16-51-039	0.048	
227695	TOG-16-51-040	0.049	
227696	TOG-16-51-040 Dup	0.040	
227697	TOG-16-51-041	0.024	
227698	TOG-16-51-042	0.028	
227699	TOG-16-51-043	0.037	
227700	TOG-16-51-044	0.105	
227701	TOG-16-51-045	0.253	
227702	TOG-16-51-046	1.026	<1

APPLIED SCOPES: ALP1, ALFA1, ALFA7

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Date Completed: 11/10/2016
Job #: 201642227
Reference: TOG-16-51
Sample #: 104

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
227703	TOG-16-51-047	0.107	
227704	TOG-16-51-048	0.128	
227705	TOG-16-51-049	0.177	
227706	TOG-16-51-050	0.018	
227707	TOG-16-51-050 Dup	0.020	
227708	TOG-16-51-051	3.121	4.000
227709	TOG-16-51-052	0.011	
227710	TOG-16-51-053	0.025	
227711	TOG-16-51-054	0.032	
227712	TOG-16-51-055	0.021	
227713	TOG-16-51-056	<0.005	
227714	TOG-16-51-057	0.019	
227715	TOG-16-51-058	0.014	
227716	TOG-16-51-059	0.015	
227717	TOG-16-51-060	0.049	
227718	TOG-16-51-060 Rep	0.037	
227719	TOG-16-51-061	0.024	
227720	TOG-16-51-062	<0.005	
227721	TOG-16-51-063	<0.005	
227722	TOG-16-51-064	<0.005	
227723	TOG-16-51-065	<0.005	
227724	TOG-16-51-066	0.005	
227725	TOG-16-51-067	<0.005	
227726	TOG-16-51-068	<0.005	
227727	TOG-16-51-069	0.005	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

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Date Received: 10/28/2016
Date Completed: 11/10/2016
Job #: 201642227
Reference: TOG-16-51
Sample #: 104

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
227728	TOG-16-51-070	0.012	
227729	TOG-16-51-070 Dup	0.023	
227730	TOG-16-51-071	<0.005	
227731	TOG-16-51-072	0.038	
227732	TOG-16-51-073	0.168	
227733	TOG-16-51-074	<0.005	
227734	TOG-16-51-075	0.006	
227735	TOG-16-51-076	0.010	
227736	TOG-16-51-077	0.011	
227737	TOG-16-51-078	0.010	
227738	TOG-16-51-079	0.011	
227739	TOG-16-51-080	0.011	
227740	TOG-16-51-080 Dup	0.010	
227741	TOG-16-51-081	0.018	
227742	TOG-16-51-082	0.023	
227743	TOG-16-51-083	0.056	
227744	TOG-16-51-084	0.059	
227745	TOG-16-51-085	0.075	
227746	TOG-16-51-086	0.471	
227747	TOG-16-51-087	0.117	
227748	TOG-16-51-088	3.881	3.620
227749	TOG-16-51-089	0.112	
227750	TOG-16-51-090	0.144	
227751	TOG-16-51-090 Dup	0.149	
227752	TOG-16-51-091	0.147	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

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Date Received: 10/28/2016
Date Completed: 11/10/2016
Job #: 201642227
Reference: TOG-16-51
Sample #: 104

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
227753	TOG-16-51-092	0.214	
227754	TOG-16-51-093	0.125	
227755	TOG-16-51-094	0.053	
227756	TOG-16-51-095	0.032	
227757	TOG-16-51-096	<0.005	
227758	TOG-16-51-097	0.139	
227759	TOG-16-51-098	0.149	
227760	TOG-16-51-099	0.189	
227761	TOG-16-51-100	0.027	
227762	TOG-16-51-100 Dup	0.033	
227763	TOG-16-51-101	0.030	
227764	TOG-16-51-102	0.042	
227765	TOG-16-51-103	0.043	
227766	TOG-16-51-104	0.010	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

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Date Received: 10/28/2016
Date Completed: 11/10/2016
Job #: 201642227
Reference: TOG-16-51
Sample #: 104

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
WW06	Au	1.166	1.100	0.060
WW06	Au	1.142	1.100	0.060
WW06	Au	0.977	1.100	0.060
WW06	Au	1.042	1.100	0.060
WW06	Au	1.041	1.100	0.060
GS37	AuG	3.068	3.220	0.210
GS37	AuG	3.227	3.220	0.210

APPLIED SCOPES: ALP1, ALFA1, ALFA7

Validated By:
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Date Received: 10/28/2016
Date Completed: 11/08/2016
Job #: 201642229
Reference: TOG-16-52
Sample #: 75

Acc #	Client ID	Au g/t (ppm)
227849	TOG-16-52-001	0.011
227850	TOG-16-52-002	0.010
227851	TOG-16-52-003	0.007
227852	TOG-16-52-004	<0.005
227853	TOG-16-52-005	<0.005
227854	TOG-16-52-006	0.028
227855	TOG-16-52-007	0.038
227856	TOG-16-52-008	0.078
227857	TOG-16-52-009	0.079
227858	TOG-16-52-010	0.098
227859	TOG-16-52-010 Dup	0.149
227860	TOG-16-52-011	0.036
227861	TOG-16-52-012	<0.005
227862	TOG-16-52-013	0.099
227863	TOG-16-52-014	0.384
227864	TOG-16-52-015	0.141
227865	TOG-16-52-016	0.056
227866	TOG-16-52-017	0.069
227867	TOG-16-52-018	0.245
227868	TOG-16-52-019	0.090
227869	TOG-16-52-020	0.226
227870	TOG-16-52-020 Dup	0.187
227871	TOG-16-52-021	0.428
227872	TOG-16-52-022	0.030
227873	TOG-16-52-023	0.023

APPLIED SCOPES: ALP1, ALFA1

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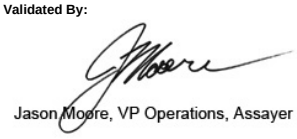
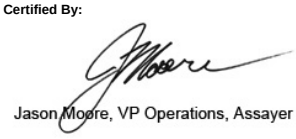
Date Received: 10/28/2016
Date Completed: 11/08/2016
Job #: 201642229
Reference: TOG-16-52
Sample #: 75

Acc #	Client ID	Au g/t (ppm)
227874	TOG-16-52-024	2.957
227875	TOG-16-52-025	0.011
227876	TOG-16-52-026	0.019
227877	TOG-16-52-027	<0.005
227878	TOG-16-52-028	<0.005
227879	TOG-16-52-029	0.006
227880	TOG-16-52-030	0.008
227881	TOG-16-52-030 Dup	0.010
227882	TOG-16-52-031	<0.005
227883	TOG-16-52-032	0.006
227884	TOG-16-52-033	0.045
227885	TOG-16-52-034	0.010
227886	TOG-16-52-035	0.101
227887	TOG-16-52-036	0.090
227888	TOG-16-52-037	0.124
227889	TOG-16-52-038	<0.005
227890	TOG-16-52-039	0.210
227891	TOG-16-52-040	0.408
227892	TOG-16-52-040 Dup	0.409
227893	TOG-16-52-041	0.261
227894	TOG-16-52-042	0.670
227895	TOG-16-52-043	0.514
227896	TOG-16-52-044	0.456
227897	TOG-16-52-045	0.210
227898	TOG-16-52-046	0.317

APPLIED SCOPES: ALP1, ALFA1

Validated By:

Jason Moore, VP Operations, Assayer

Certified By:

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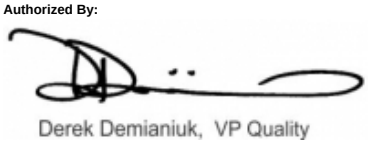
Authorized By:

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Date Completed: 11/08/2016
Job #: 201642229
Reference: TOG-16-52
Sample #: 75

Acc #	Client ID	Au g/t (ppm)
227899	TOG-16-52-047	0.095
227900	TOG-16-52-048	0.150
227901	TOG-16-52-049	3.090
227902	TOG-16-52-050	0.042
227903	TOG-16-52-050 Dup	0.048
227904	TOG-16-52-051	0.167
227905	TOG-16-52-052	0.078
227906	TOG-16-52-053	0.470
227907	TOG-16-52-054	0.462
227908	TOG-16-52-055	0.953
227909	TOG-16-52-056	0.005
227910	TOG-16-52-057	0.426
227911	TOG-16-52-058	0.195
227912	TOG-16-52-059	0.081
227913	TOG-16-52-060	0.067
227914	TOG-16-52-060 Rep	0.056
227915	TOG-16-52-061	0.591
227916	TOG-16-52-062	0.975
227917	TOG-16-52-063	0.270
227918	TOG-16-52-064	0.679
227919	TOG-16-52-065	0.219
227920	TOG-16-52-066	0.365
227921	TOG-16-52-067	0.369
227922	TOG-16-52-068	0.205
227923	TOG-16-52-069	0.144

APPLIED SCOPES: ALP1, ALFA1

Validated By:
Jason Moore, VP Operations, Assayer

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Tuesday, November 8, 2016

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Email: mmacisaac@metalscreek.com, astares@metalscreek.com

Date Received: 10/28/2016
Date Completed: 11/08/2016
Job #: 201642229
Reference: TOG-16-52
Sample #: 75

Acc #	Client ID	Au g/t (ppm)
227924	TOG-16-52-070	0.105
227925	TOG-16-52-070 Dup	0.114
227926	TOG-16-52-071	0.185
227927	TOG-16-52-072	0.338
227928	TOG-16-52-073	0.187
227929	TOG-16-52-074	<0.005
227930	TOG-16-52-075	0.203

APPLIED SCOPES: ALP1, ALFA1

Validated By:
Jason Moore, VP Operations, Assayer

Certified By:
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Authorized By:
Derek Demianiuk, VP Quality

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Date Received: 10/28/2016
Date Completed: 11/08/2016
Job #: 201642229
Reference: TOG-16-52
Sample #: 75

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
WW06	Au	0.993	1.100	0.060
WW06	Au	1.064	1.100	0.060
WW06	Au	1.134	1.100	0.060
WW06	Au	1.039	1.100	0.060

APPLIED SCOPES: ALP1, ALFA1

Validated By:
Jason Moore, VP Operations, Assayer

Certified By:
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Authorized By:
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Thursday, November 24, 2016

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Date Received: 11/08/2016
Date Completed: 11/24/2016
Job #: 201642317
Reference: TOG-16-52
Sample #: 65

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
234446	TOG-16-052-076	0.104	
234447	TOG-16-052-077	0.135	
234448	TOG-16-052-078	0.129	
234449	TOG-16-052-079	0.782	
234450	TOG-16-052-080	0.185	
234451	TOG-16-052-081	0.238	
234452	TOG-16-052-082	0.478	
234453	TOG-16-052-083	0.213	
234454	TOG-16-052-084	3.649	4.822
234455	TOG-16-052-085	0.153	
234456	TOG-16-052-085 Dup	0.137	
234457	TOG-16-052-086	0.101	
234458	TOG-16-052-087	0.186	
234459	TOG-16-052-088	0.312	
234460	TOG-16-052-089	0.009	
234461	TOG-16-052-090	0.010	
234462	TOG-16-052-091	0.024	
234463	TOG-16-052-092	0.043	
234464	TOG-16-052-093	0.036	
234465	TOG-16-052-094	0.076	
234466	TOG-16-052-095	0.023	
234467	TOG-16-052-095 Dup	0.019	
234468	TOG-16-052-096	0.079	
234469	TOG-16-052-097	<0.005	
234470	TOG-16-052-098	0.056	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Date Received: 11/08/2016
Date Completed: 11/24/2016
Job #: 201642317
Reference: TOG-16-52
Sample #: 65

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
234471	TOG-16-052-099	0.107	
234472	TOG-16-052-100	0.140	
234473	TOG-16-052-101	0.143	
234474	TOG-16-052-102	0.541	
234475	TOG-16-052-103	0.104	
234476	TOG-16-052-104	0.058	
234477	TOG-16-052-105	0.853	
234478	TOG-16-052-105 Dup	0.587	
234479	TOG-16-052-106	0.107	
234480	TOG-16-052-107	0.457	
234481	TOG-16-052-108	0.024	
234482	TOG-16-052-109	0.284	
234483	TOG-16-052-110	0.042	
234484	TOG-16-052-111	<0.005	
234485	TOG-16-052-112	0.024	
234486	TOG-16-052-113	2.622	2.814
234487	TOG-16-052-114	0.644	
235682	TOG-16-052-115	0.012	
235683	TOG-16-052-115 Dup	0.018	
235684	TOG-16-052-116	0.006	
235685	TOG-16-052-117	<0.005	
235686	TOG-16-052-118	0.026	
235687	TOG-16-052-119	<0.005	
235688	TOG-16-052-120	0.256	
235689	TOG-16-052-121	0.224	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

Validated By:
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Lab Manager - Thunder Bay

Certified By:
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Date Received: 11/08/2016
Date Completed: 11/24/2016
Job #: 201642317
Reference: TOG-16-52
Sample #: 65

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
235690	TOG-16-052-122	0.335	
235691	TOG-16-052-123	0.310	
235692	TOG-16-052-124	0.095	
235693	TOG-16-052-125	<0.005	
235694	TOG-16-052-125 Dup	<0.005	
235695	TOG-16-052-126	<0.005	
235696	TOG-16-052-127	0.017	
235697	TOG-16-052-128	0.296	
235698	TOG-16-052-129	0.057	
235699	TOG-16-052-130	0.770	
235700	TOG-16-052-131	0.232	
235701	TOG-16-052-132	0.578	
235702	TOG-16-052-133	0.087	
235703	TOG-16-052-134	0.087	
235704	TOG-16-052-135	0.230	
235705	TOG-16-052-135 Rep	0.239	
235706	TOG-16-052-136	0.056	
235707	TOG-16-052-137	0.034	
235708	TOG-16-052-138	0.072	
235709	TOG-16-052-139	0.063	
235710	TOG-16-052-140	0.114	

APPLIED SCOPES: ALP1, ALFA1, ALFA7

Validated By:
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Lab Manager - Thunder Bay

Certified By:
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Authorized By:
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Date Received: 11/08/2016
Date Completed: 11/24/2016
Job #: 201642317
Reference: TOG-16-52
Sample #: 65

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
WW06	Au	1.047	1.100	0.060
WW06	Au	1.037	1.100	0.060
GS37	AuG	3.347	3.220	0.210
GS37	AuG	3.108	3.220	0.210

APPLIED SCOPES: ALP1, ALFA1, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
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Date Received: 10/03/2016
Date Completed: 10/13/2016
Job #: 201642049
Reference: TOB16-047
Sample #: 7

Acc #	Client ID	Au Grav ppm
217403	TOG16-47-013	3.742
217404	TOG16-47-014	1.495
217405	TOG16-47-015	1.423
217406	TOG16-47-016	1.452
217407	TOG16-47-017	<1
217408	TOG16-47-018	3.648
217409	TOG16-47-019	13.080
217410	TOG16-47-019 Dup	17.079

APPLIED SCOPES: ALP6, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
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Date Received: 10/03/2016
Date Completed: 10/13/2016
Job #: 201642049
Reference: TOB16-047
Sample #: 7

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)

APPLIED SCOPES: ALP6, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
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Authorized By:
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Tuesday, October 25, 2016

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Date Received: 10/13/2016
Date Completed: 10/25/2016
Job #: 201642148
Reference:
Sample #: 18

Acc #	Client ID	Au Grav ppm
222278	TOG16-48-46	21.175
222279	TOG16-48-47	1.324
222280	TOG16-48-48	<1
222281	TOG16-48-49	<1
222282	TOG16-48-50	<1
222283	TOG16-48-51	Insufficient Sample
222284	TOG16-48-52	<1
222285	TOG16-48-53	<1
222286	TOG16-48-54	<1
222287	TOG16-48-55	1.641
222288	TOG16-48-55 Dup	1.524
222289	TOG16-48-56	3.470
222290	TOG16-49-6	<1
222291	TOG16-49-7	<1
222292	TOG16-49-8	1.077
222293	TOG16-49-9	1.800
222294	TOG16-49-10	<1
222295	TOG16-49-11	Insufficient Sample
222296	TOG16-49-12	<1

APPLIED SCOPES: ALP6, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
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Authorized By:
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Date Received: 10/13/2016
Date Completed: 10/25/2016
Job #: 201642148
Reference:
Sample #: 18

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
GS37	AuG	3.267	3.220	0.210

APPLIED SCOPES: ALP6, ALFA7

Validated By:
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Lab Manager - Thunder Bay

Certified By:
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Authorized By:
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Friday, November 18, 2016

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Date Received: 11/09/2016
Date Completed: 11/18/2016
Job #: 201642361
Reference: 201642229
Sample #: 21

Acc #	Client ID	Au Grav ppm
235913	TOG-16-52-040	<1
235914	TOG-16-52-041	<1
235915	TOG-16-52-042	<1
235916	TOG-16-52-043	<1
235917	TOG-16-52-044	<1
235918	TOG-16-52-045	<1
235919	TOG-16-52-046	<1
235921	TOG-16-52-057	<1
235922	TOG-16-52-058	<1
235923	TOG-16-52-061	<1
235924	TOG-16-52-061 Dup	<1
235925	TOG-16-52-062	<1
235926	TOG-16-52-063	<1
235927	TOG-16-52-064	<1
235928	TOG-16-52-065	<1
235929	TOG-16-52-066	<1
235930	TOG-16-52-067	<1
235931	TOG-16-52-068	<1
235932	TOG-16-52-052	<1
235933	TOG-16-52-053	<1
235934	TOG-16-52-054	<1
235935	TOG-16-52-054 Dup	<1
235936	TOG-16-52-055	1.027

APPLIED SCOPES: ALP6, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
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Authorized By:
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Date Received: 11/09/2016
Date Completed: 11/18/2016
Job #: 201642361
Reference: 201642229
Sample #: 21

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
GS37	AuG	2.988	3.220	0.210

APPLIED SCOPES: ALP6, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Thursday, March 3, 2016

Final Certificate

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Email: mmacisaac@metalscreek.com, astares@metalscreek.com

Date Received: 03/01/2016
Date Completed: 03/03/2016
Job #: 201640438
Reference:
Sample #: 2

Acc #	Client ID	#1 Pulp Assay ppm	#2 Pulp Assay ppm	Metalics Assay ppm	Pulp Met Total ppm	% Met. in pulp ppm	Pulp Met Weight (g). ppm
44445	OG16-040-005	3.537	2.965	29.289	3.925	2.59%	43.01
44446	OG16-040-006	5.482	5.083	3.422	5.227	2.97%	32.22

APPLIED SCOPES: ALPM1

Validated By:
Jesse Deschutter
Assistant Manager - Thunder Bay

Certified By:
Andrew Oleski
Lab Manager - Thunder Bay

Authorized By:
Derek Demianiuk, VP Quality

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Date Received: 03/01/2016
Date Completed: 03/03/2016
Job #: 201640438
Reference:
Sample #: 2

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)

APPLIED SCOPES: ALPM1

Validated By:
Jesse Deschutter
Assistant Manager - Thunder Bay

Certified By:
Andrew Oleski
Lab Manager - Thunder Bay

Authorized By:
Derek Demianiuk, VP Quality

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Date Received: 11/01/2016
Date Completed: 11/11/2016
Job #: 201642293
Reference:
Sample #: 5

Acc #	Client ID	#1 Pulp Assay ppm	#2 Pulp Assay ppm	Metalics Assay ppm	Pulp Met Total ppm	% Met. in pulp ppm	Pulp Met Weight (g). ppm	
233616	TOG-16-47-011	15.121	15.276	1298.394	21.831	0.52%	4.85	
233617	TOG-16-47-019	Insufficient Sample						
233618	TOG16-48-46	18.120	16.630	251.335	25.220	3.35%	26.1	
233619	TOG16-48-56	3.708	3.309	73.459	6.435	4.18%	30.2	
233620	TOG16-49-012	1.609	1.192	145.578	1.629	0.16%	1.27	

APPLIED SCOPES: ALPM1

Validated By:
Jason Moore, VP Operations, Assayer

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Email: mmacisaac@metalscreek.com, astares@metalscreek.com

Date Received: 11/01/2016
Date Completed: 11/11/2016
Job #: 201642293
Reference:
Sample #: 5

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
WW06	Au	1.009	1.100	0.060

APPLIED SCOPES: ALPM1

Validated By:
Jason Moore, VP Operations, Assayer

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

The results included on this report relate only to the items tested.
The Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.

Quality Analysis ... *Innovative Technologies*

Date Submitted: 26-Feb-16
Invoice No.: A16-01589
Invoice Date: 04-Mar-16
Your Reference:

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

ATTN: Mike MacIsaac

CERTIFICATE OF ANALYSIS

9 Crushed Rock samples were submitted for analysis.

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

REPORT **A16-01589**

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
OG16-040-005	2750
OG16-040-015	16
OG16-040-025	345
OG16-040-035	< 5
OG16-040-045	< 5
TOG16-42-05	< 5
TOG16-42-015	280
TOG16-43-005	4530
TOG16-43-015	116

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OxD108 Meas	417
OxD108 Cert	414
SF67 Meas	805
SF67 Cert	835
TOG16-43-015 Orig	100
TOG16-43-015 Dup	132
Method Blank	< 5
Method Blank	< 5

Quality Analysis ... *Innovative Technologies*

Date Submitted: 20-May-16
Invoice No.: A16-04541
Invoice Date: 30-May-16
Your Reference:

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

ATTN: Mike MacIsaac

CERTIFICATE OF ANALYSIS

33 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 **A16-04541**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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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
TOG-16-44-5	< 5
TOG-16-44-15	65
TOG-16-44-25	< 5
TOG-16-44-35	7
TOG-16-44-45	16
TOG-16-44-65	34
TOG-16-44-75	< 5
TOG-16-44-85	< 5
TOG-16-44-95	< 5
TOG-16-44-105	< 5
TOG-16-45-5	11
TOG-16-45-15	74
TOG-16-45-25	7
TOG-16-45-35	< 5
TOG-16-45-45	61
TOG-16-45-55	7
TOG-16-45-65	50
TOG-16-45-75	< 5
TOG-16-45-85	14
TOG-16-45-95	167
TOG-16-45-105	6
TOG-16-45-115	< 5
TOG-16-45-125	< 5
TOG-16-45-135	13
TOG-16-45-145	< 5
TOG-16-46-005	459
TOG-16-46-015	150
TOG-16-46-025	128
TOG-16-46-045	7
TOG-16-46-055	6
TOG-16-46-065	34
TOG-16-46-075	< 5
TOG-16-46-085	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
SF85 Meas	826
SF85 Cert	848
OxD128 Meas	416
OxD128 Cert	424.000
TOG-16-44-105 Orig	< 5
TOG-16-44-105 Dup	< 5
TOG-16-45-95 Orig	160
TOG-16-45-95 Dup	173
TOG-16-46-055 Orig	6
TOG-16-46-055 Dup	6
Method Blank	< 5
Method Blank	< 5

Quality Analysis ... *Innovative Technologies*

Date Submitted: 05-Oct-16
Invoice No.: A16-10282
Invoice Date: 18-Oct-16
Your Reference:

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

7 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 **A16-10282**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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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
TOG-16-47-005	23
TOG-16-47-015	1280
TOG-16-47-025	177
TOG-16-47-035	2990
TOG-16-47-045	1100
TOG-16-47-055	650
TOG-16-47-065	205

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 251 Meas	527
OREAS 251 Cert	504
TOG-16-47-005 Orig	17
TOG-16-47-005 Dup	28
Method Blank	< 5

Quality Analysis ... *Innovative Technologies*

Date Submitted: 19-Oct-16
Invoice No.: A16-10903
Invoice Date: 26-Oct-16
Your Reference:

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

10 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 **A16-10903**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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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
TOG16-48-5	6
TOG16-48-15	< 5
TOG16-48-25	6
TOG16-48-35	< 5
TOG16-48-45	198
TOG16-48-55	1840
TOG16-49-5	786
TOG16-49-15	36
TOG16-49-25	7
TOG16-49-35	137

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 251(FA-Anaster) Meas	501
OREAS 251(FA-Anaster) Cert	504
TOG16-49-35 Orig	129
TOG16-49-35 Dup	145
Method Blank	< 5

Quality Analysis ... *Innovative Technologies*

Date Submitted: 09-Nov-16
Invoice No.: A16-11893
Invoice Date: 24-Nov-16
Your Reference:

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

27 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 **A16-11893**

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
TOG-16-51-005	< 5
TOG-16-51-015	26
TOG-16-51-025	5
TOG-16-51-035	34
TOG-16-51-045	311
TOG-16-51-055	36
TOG-16-51-065	< 5
TOG-16-51-075	< 5
TOG-16-51-085	57
TOG-16-51-095	32
TOG-16-52-005	< 5
TOG-16-52-015	168
TOG-16-52-025	< 5
TOG-16-52-035	100
TOG-16-52-045	236
TOG-16-52-055	935
TOG-16-52-065	252
TOG-16-52-075	276
TOG-16-050-005	22
TOG-16-050-015	< 5
TOG-16-050-025	13
TOG-16-050-035	42
TOG-16-050-045	221
TOG-16-050-055	< 5
TOG-16-050-065	< 5
TOG-16-050-075	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 251(FA-Anaster) Meas	513
OREAS 251(FA-Anaster) Cert	504
OREAS 16A (FA-Ancaster) Meas	1870
OREAS 16A (FA-Ancaster) Cert	1810
TOG-16-51-095 Orig	43
TOG-16-51-095 Dup	21
TOG-16-050-015 Orig	< 5
TOG-16-050-015 Dup	< 5
Method Blank	< 5
Method Blank	< 5

Quality Analysis ... *Innovative Technologies*

Date Submitted: 02-Dec-16
Invoice No.: A16-12955
Invoice Date: 09-Dec-16
Your Reference:

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

6 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 **A16-12955**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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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
TOG-16-052-085	148
TOG-16-052-095	33
TOG-16-052-105	667
TOG-16-052-115	288
TOG-16-052-125	212
TOG-16-052-135	207

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 251(FA-Anaster) Meas	496
OREAS 251(FA-Anaster) Cert	504
OREAS 16A (FA-Ancaster) Meas	1690
OREAS 16A (FA-Ancaster) Cert	1810
TOG-16-052-085 Orig	163
TOG-16-052-085 Dup	133
Method Blank	< 5