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REPORT OF

DIAMOND DRILLING

ON THE

DONA LAKE PROJECT,

PICKLE LAKE,

THUNDER BAY NORTH MINING DIVISION, NORTHWESTERN ONTARIO

NTS MAP SHEETS 52O/08H and 52O/08I

Don Heerema, PGeo

September, 2021

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1.0 INTRODUCTION

On June 12, 2019 Metals Creek Resources Corp. (MEK) announced it has signed an option agreement with Newmont in which Metals Creek can earn a one hundred percent interest in the Dona Lake Gold Property located in Pickle Lake mining district. The Property consists of 32 patents and leases as well as 13 mining claims totaling 1,062 hectares and covers the past producing Dona Lake Mine. Metals Creek Resources completed 8,238 meters of diamond drilling between July 2020 and June 2021 in 17 diamond drill holes. A total of 1,001 samples were collected and sent to Actlabs in Thunder Bay for gold and some ICP analysis. The drilling took place testing immediately south of, and beneath the historic Dona Lake Mine workings.

2.0 TERMS OF REFERENCE

Map projections are in UTM, North American Datum 83, Zone 15 and all referenced UTM coordinates are in this projection 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, “ppb” = parts per billion, “Au” = gold and “ddh” = diamond drill hole.

3.0 PROPERTY DESCRIPTION AND ACCESS

On June 12, 2019 Metals Creek Resources Corp. announced it has signed an option agreement with Newmont in which Metals Creek can earn a one hundred percent interest in the Dona Lake Gold Property located in Pickle Lake mining district. The Property consists of 32 patents and leases as well as 13 mining claims totaling 1,062 hectares and covers the past producing Dona Lake Mine. The 3 patents and 29 leases are held under the name Goldcorp Canada Inc. and the mining claims under the name Metals Creek Resources. Collectively the ground is the Dona Lake Project, located 9km southeast of the town of Pickle Lake, Ontario. Access to the property is gained by traveling 9km on the gravel Dona Lake Mine access road branching east off of Hwy 599 at coordinate 694445mE and 5696865mN; 11km south of the Pickle Lake turnoff.

Table 1: Staked claims

Township / Area	Tenure ID	Tenure Type	Anniversary Date yr/m/day	Tenure Percentage	Work Required
DONA LAKE AREA	551362	Single Cell Mining Claim	2025-06-12	MEK 100%	400
DONA LAKE AREA	551363	Single Cell Mining Claim	2025-06-12	MEK 100%	400
DONA LAKE AREA	551364	Single Cell Mining Claim	2025-06-12	MEK 100%	400
DONA LAKE AREA	551365	Single Cell Mining Claim	2025-06-12	MEK 100%	400
DONA LAKE AREA	551366	Single Cell Mining Claim	2025-06-12	MEK 100%	400
DONA LAKE AREA	551367	Single Cell Mining Claim	2025-06-12	MEK 100%	400
DONA LAKE AREA	551368	Single Cell Mining Claim	2025-06-12	MEK 100%	400
DONA LAKE AREA	551369	Single Cell Mining Claim	2025-06-12	MEK 100%	400
DONA LAKE AREA	551370	Single Cell Mining Claim	2025-06-12	MEK 100%	400
DONA LAKE AREA	551371	Single Cell Mining Claim	2025-06-12	MEK 100%	400
DONA LAKE AREA	551372	Single Cell Mining Claim	2025-06-12	MEK 100%	400
DONA LAKE AREA	551373	Single Cell Mining Claim	2025-06-12	MEK 100%	400
DONA LAKE AREA	564552	Multi Cell Claim	2024-11-25	MEK 100%	9200

Table 2: Leases and Patents

Township / Area	Tenure ID	Tenure Type		Township / Area	Tenure ID	Tenure Type
DONA LAKE AREA	LEA-108228	LEASE		DONA LAKE AREA	LEA-108370	LEASE
DONA LAKE AREA	LEA-108355	LEASE		DONA LAKE AREA	LEA-108413	LEASE
DONA LAKE AREA	LEA-108356	LEASE		DONA LAKE AREA	LEA-108425	LEASE
DONA LAKE AREA	LEA-108357	LEASE		DONA LAKE AREA	LEA-108426	LEASE
DONA LAKE AREA	LEA-108358	LEASE		DONA LAKE AREA	LEA-108427	LEASE
DONA LAKE AREA	LEA-108359	LEASE		DONA LAKE AREA	LEA-108428	LEASE
DONA LAKE AREA	LEA-108360	LEASE		DONA LAKE AREA	LEA-108429	LEASE
DONA LAKE AREA	LEA-108361	LEASE		DONA LAKE AREA	LEA-108430	LEASE
DONA LAKE AREA	LEA-108362	LEASE		DONA LAKE AREA	LEA-108431	LEASE
DONA LAKE AREA	LEA-108363	LEASE		DONA LAKE AREA	LEA-108229	LEASE
DONA LAKE AREA	LEA-108364	LEASE		DONA LAKE AREA	LEA-108230	LEASE
DONA LAKE AREA	LEA-108365	LEASE		DONA LAKE AREA	LEA-108231	LEASE
DONA LAKE AREA	LEA-108366	LEASE		DONA LAKE AREA	LEA-108232	LEASE
DONA LAKE AREA	LEA-108367	LEASE		DONA LAKE AREA	PAT-7477	PATENT
DONA LAKE AREA	LEA-108368	LEASE		DONA LAKE AREA	PAT-7478	PATENT
DONA LAKE AREA	LEA-108369	LEASE		DONA LAKE AREA	PAT-7479	PATENT

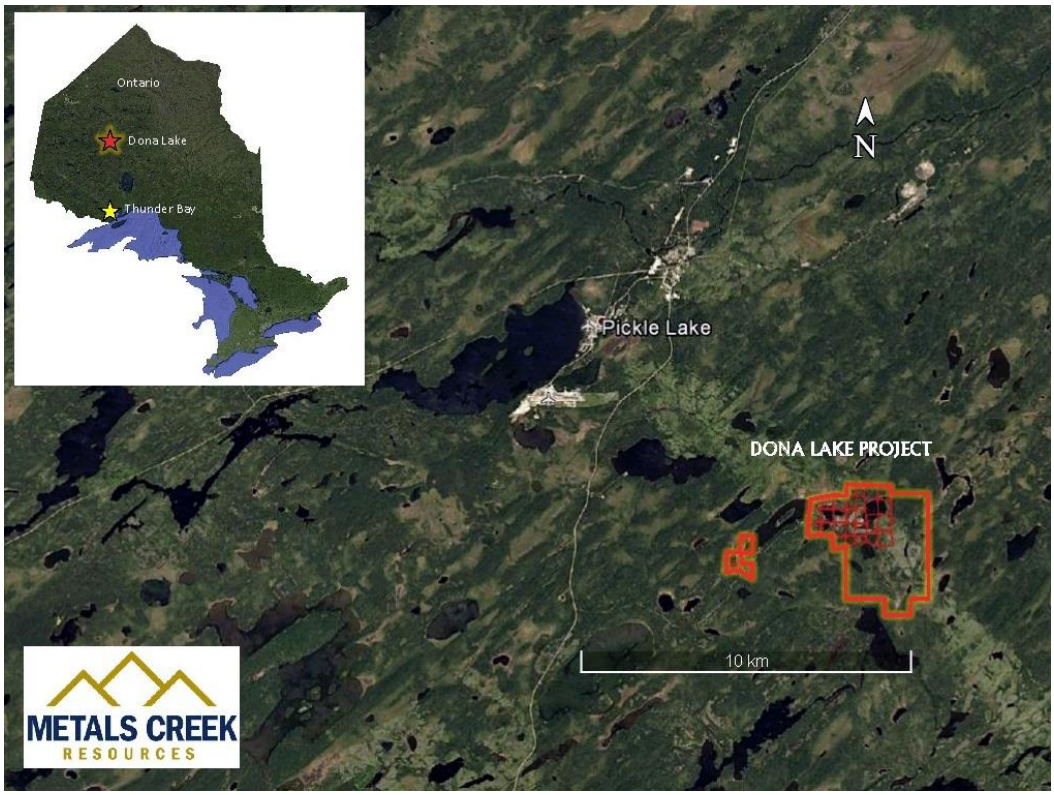

Figure 1: Regional Location Map

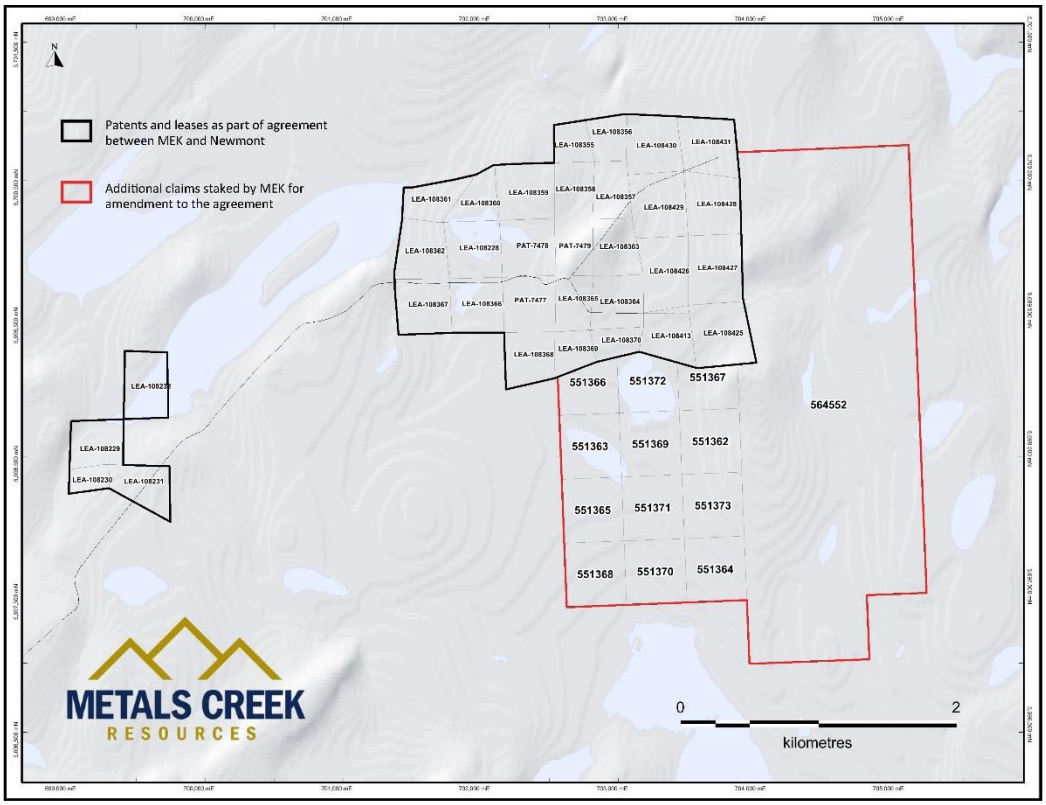

Figure 2: Claim Map

4.0 PHYSIOGRAPHY AND VEGETATION

The terrain on and surrounding the property is relatively flat, with relief on the order of approximately 15m. The area is covered by a veneer of sands and gravels with some shallow lakes and ponds. Areas of typical forest is composed of a mix of poplar, alder, birch and spruce. Low lying areas are commonly Labrador Tea and short Spruce growth with wetter areas hosting some tamarack and diamond willow also. Rock exposures are scarce throughout most of the property with great exposures in the Sika Lake area of the mine site and southeast of the tailings pond where exposure to 50% is not uncommon.

Plate 1: Photo of access road and typical forest of the area

5.0 WORK HISTORY

This portion of the history is taken from the '*61st Annual Meeting Institute on Lake Superior Geology*'

The past-producing Dona Lake Mine deposit was discovered by Dome Exploration in 1980 (Cahoon, 1986). Between 1980 and 1988 geophysical surveys and diamond drilling were carried out by Dome Exploration. Advanced exploration, including sinking of a 176m exploration shaft was conducted by Dome Mines and Campbell Red Lake Mines between 1985 and 1987. Developed jointly by Dome Mines and Campbell Red Lake Mines, it was put into production by Placer Dome Canada Limited in February 1989 with Proven and Probable reserves totalling 754,000 tons (684,000 tonnes), averaging 0.24oz/t Au 8.23g/t Au; (Coates and Anderson 2008).

Table 3: Historic Work

Company	Year	Work Type	Report Number
Dome Exploration (Canada) Limited	1980	Airborne Mag & VLF	52O08NE0076
Van Horne Gold Exploration	1984	Ground Mag & VLF	20007655
Dome Exploration (Canada) Limited	1984	DDH	52O08NE0057
Dome Exploration (Canada) Limited	1984-85	DDH	52O08NE0046
Dome Exploration (Canada) Limited	1985	DDH	52O08NE0049
Dome Exploration (Canada) Limited	1985-86	DDH	52O08NE0054
Dome Exploration (Canada) Limited	1986	Mag & EM	52O08NE0027
Dome Exploration (Canada) Limited	1986	Mag & EM	52O08NE0032
Dome Exploration (Canada) Limited	1987	DDH	52O08NE0016
Power Explorations Inc.	1988	Mapping, prospecting, DDH	52O08NE0008
Placer Dome Canada Limited	1992	DDH	52O08NE0009
Metals Creek Resources	2020	Prospecting and Airborne Mag	20000018900

6.0 GEOLOGICAL SETTING

6.1 Regional Geology

The project is located within the Uchi subprovince of the Canadian Shield. The Uchi subprovince is comprised of numerous greenstone belts; such as the Red Lake greenstone belt, Birch-Uchi greenstone belt, Meen Dempster greenstone belt and the Pickle Lake greenstone belt, that along with others, collectively form the subprovince. The Dona Lake project lies within the Pickle Lake greenstone belt.

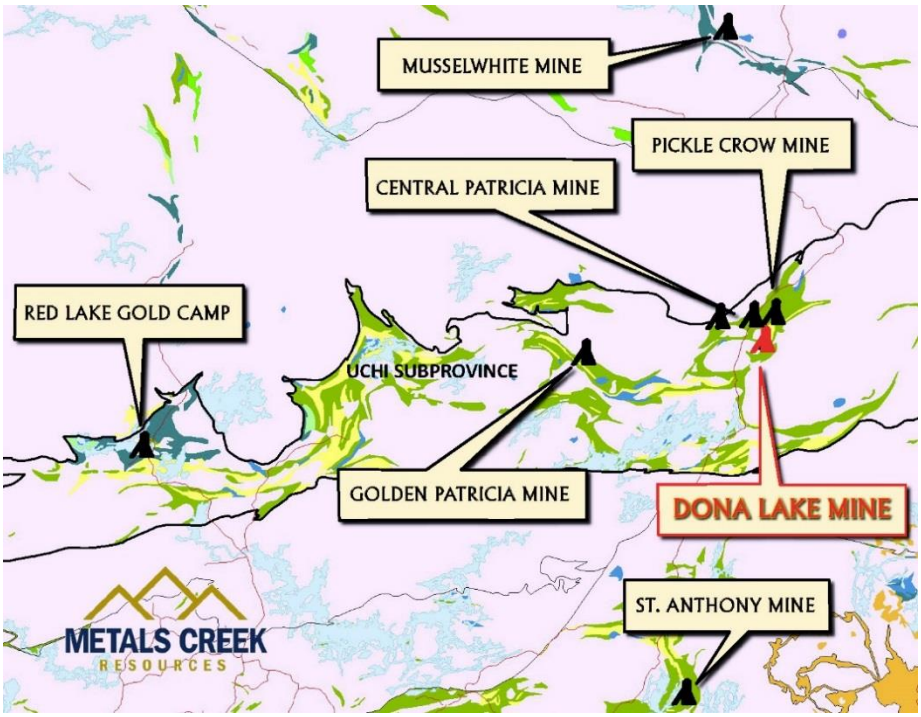

Figure 3: Belt Geology

The Pickle Lake greenstone belt comprises a 25km wide and 70km long belt of Archean supracrustal rocks and internal granitoid plutons surrounded by large granitoid batholiths. The supracrustal rocks have been metamorphosed to greenschist faces with amphibolite facies occurring within narrow (<1 km wide) thermal aureoles of younger plutonic bodies (Stott 1996). The belt is broken into three separate assemblages based upon age and rock geochemistry; Pickle Crow assemblage, Confederation assemblage and Kaminiskag assemblage.

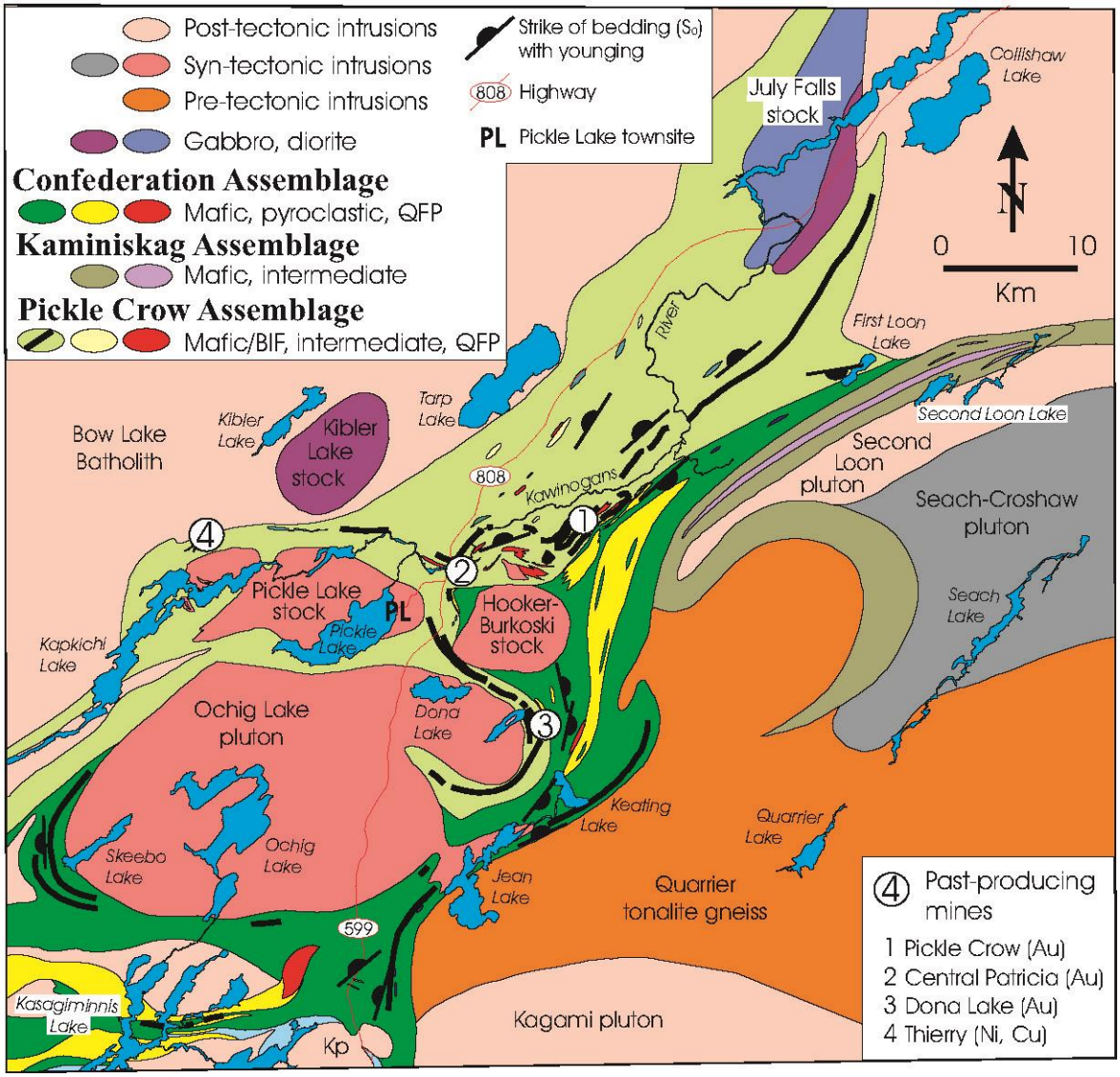

Figure 4: Pickle Lake greenstone belt by assemblage: figure taken from Young's 2003 thesis

The Pickle Crow assemblage comprises most of the northwestern part of the Pickle Lake greenstone belt (Young 2003), and to date hosts the three historic gold mines of the belt; Pickle Crow, Central Patricia and Dona Lake. The rocks consist of mainly massive to pillowed basalts with gabbroic sills intercalated with thin, laterally continuous banded iron formation all intruded by Na-rich quartz-feldspar porphyry dikes of various ages. Younging indicators show the

assemblage is northwest facing. (Young 2003). These are the oldest rocks of the belt at approximately 2860 Ma.

Rocks of the Kaminiskag assemblage are approximately 2836 Ma and consist of mafic to felsic volcanics and are found on the eastern extents of the Pickle Lake greenstone belt.

The Confederation assemblage is composed of mafic to intermediate volcanic rocks, preserved best east of the Dona Lake mine area. Well preserved pillows in the area indicate younging to be east-southeast with age dating of 2744 – 2730 Ma.

All supracrustal assemblages are intruded by Neoarchean pluton suites (ca. 2.75 -2.71 Ga) within and external to the greenstone belt. Plutons within the belt consist of isotopically juvenile trondhjemitic to granodioritic bodies that were emplaced, in part, as viscous diapirs (Young 2003).

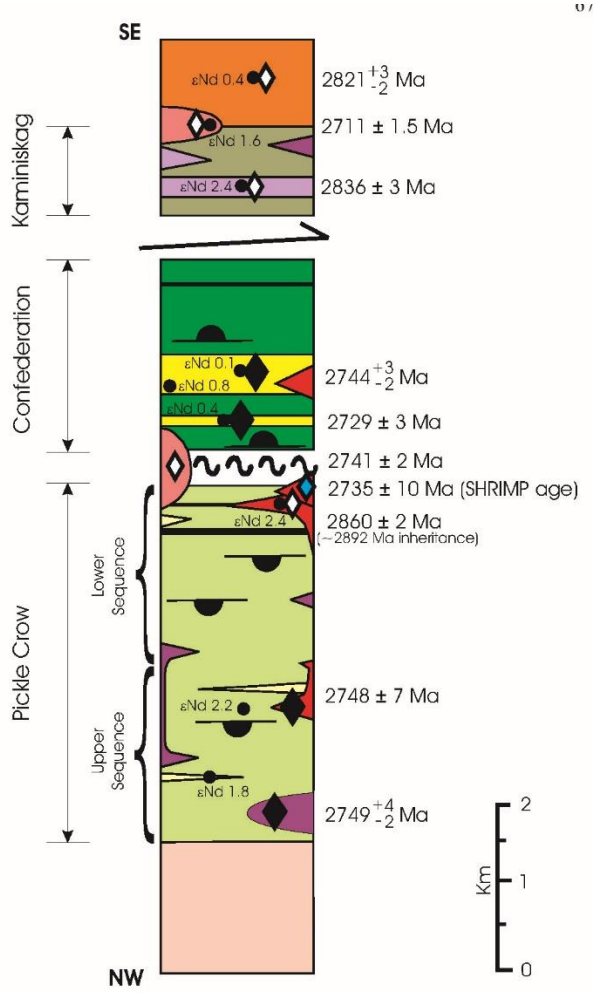

Figure 5: Schematic lithostratigraphic section of the Pickle Lake greenstone belt illustrating U-Pb zircon ages: figure taken from Young's 2003 thesis

6.2 Property Geology

The Dona Lake project is underlain by the Pickle Lake and Confederation assemblages of the Pickle Lake greenstone belt. The former producing Dona Lake mine is located within the Pickle Lake assemblage. The following description of the property below was provided by former mine geologist Cahoon (1986):

"The Dona Lake Property is south of the previous producers, [ie. Pickle Crow, Central Patricia, etc.] in a separate greenstone sequence that trends south and merges with the Osnaburgh-Pickle Lake belt. The main trend on the property is described by the nearly circular, 11km long arc of high magnetics which wraps around the tongue of the Ochig Lake Pluton. The high magnetics are caused by a major, semi-continuous unit and numerous minor discontinuous units of oxide iron formation.

The formations occur within a package of tholeiitic, usually pillowed basalt and amphibolite with local tuffs and minor felsic volcanics and clastic sediments. These units dip away from the pluton at a very consistent 60^{o} and also young away from the pluton, suggesting a pre-erosion domal structure over the intrusive. All of the volcanic and sedimentary units have been intruded by sodium-rich felsic dykes and albite porphyry with a composition similar to the Ochig Pluton.

The entire assemblage has been metamorphosed to amphibolite grade, as indicated by the presence of garnet porphyroblasts, biotite, local amphibolites with blue-green hornblende, and the relative lack of chlorite.

The Dona Lake deposit is located in iron formation near the west-central portion of the property. The general geology in the immediate vicinity of the deposit, as derived from scattered outcrops, drilling and ground magnetic surveys, consists of tholeiitic basalt separated by several major units of iron formation, and intruded by felsic dykes and albite porphyry. The volcanics and sediments strike north-south to locally northwest-southeast and dip to the east and northeast at 60°. Tops, as determined from well-preserved pillows, are also to the east.

The basalts, which are normally pillowed and massive, are very schistose and foliated in the vicinity of the iron formations. Some, but not all, of the felsic dykes are also affected by this foliation event. Virtually all of the iron formation has been isoclinally folded. The fold planes are parallel to overall stratigraphy and the fold axes plunge east down the dip of the iron formation. These folds have wavelengths of about 1m and amplitudes of up to 10m. It is within the fold axis of one of these broad-wavelength cross folds, in iron formation, that the Dona Lake gold deposit occurs.

The iron formations are usually classic oxide-facies iron formation, composed of finely bedded magnetite, chert and hornblende, with local grunerite, garnet, calcite and sulphides. A finely bedded chert-sulphide unit in the hanging wall has been genetically grouped with the iron-rich minerals other than sulphides and might be more properly termed a chert, since the sulphides may be secondary. Significantly, no carbonate iron formation, nor iron-rich carbonates, have been

located on the property. There is some evidence to suggest that the magnetite content is considerably reduced in mineralized sections, perhaps having been altered to pyrrhotite and/or grunerite. There are virtually no quartz veins and the few which do occur seldom contain gold. There is also no visible or geochemically evident siliceous alteration, at least not within the basalts. Within the iron formation, variable quartz content and the possibility of remobilization of original chert makes identification of siliceous alteration difficult in drill core."

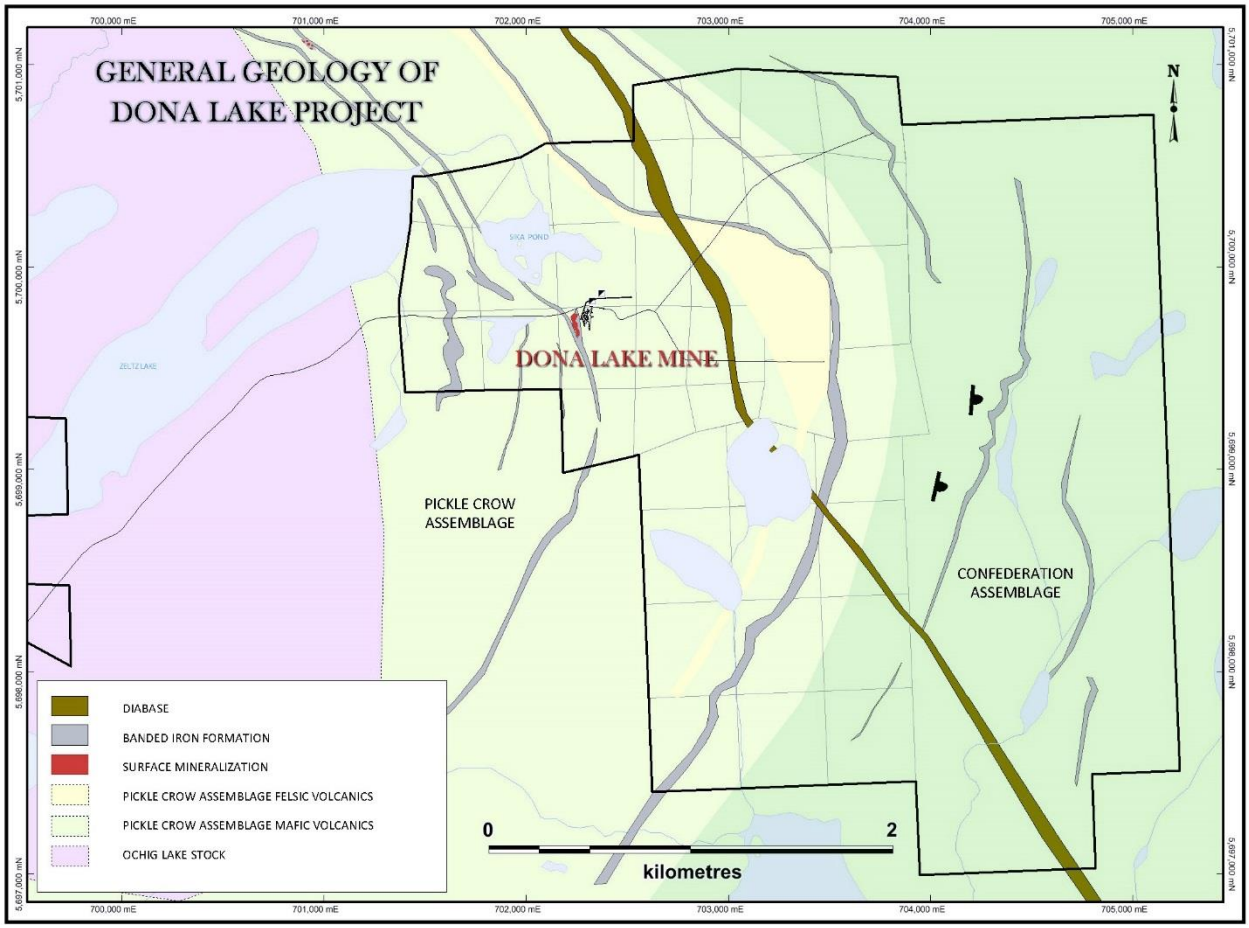

Figure 6: Property Geology

There is a second iron formation (lower IF) footwall to the main iron formation hosting the deposit that Cahoon is referring to above. The iron formations are separated by approximately 20-25m of amphibolite. This lower iron formation is thinner in the order of 2-10m and hosts of a second mineralized gold shoot with a slightly steeper plunge.

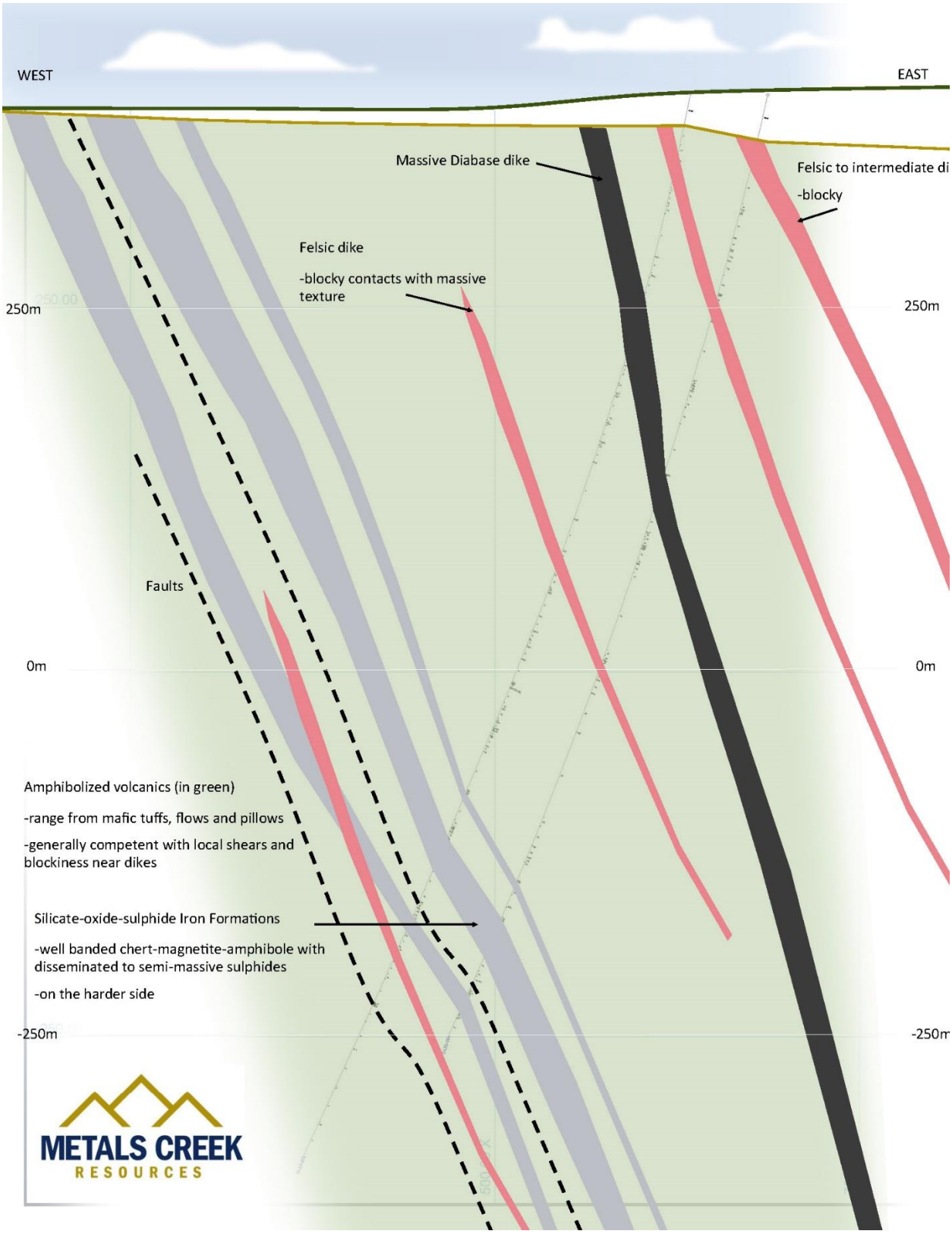

Figure 7: Simplified geological section

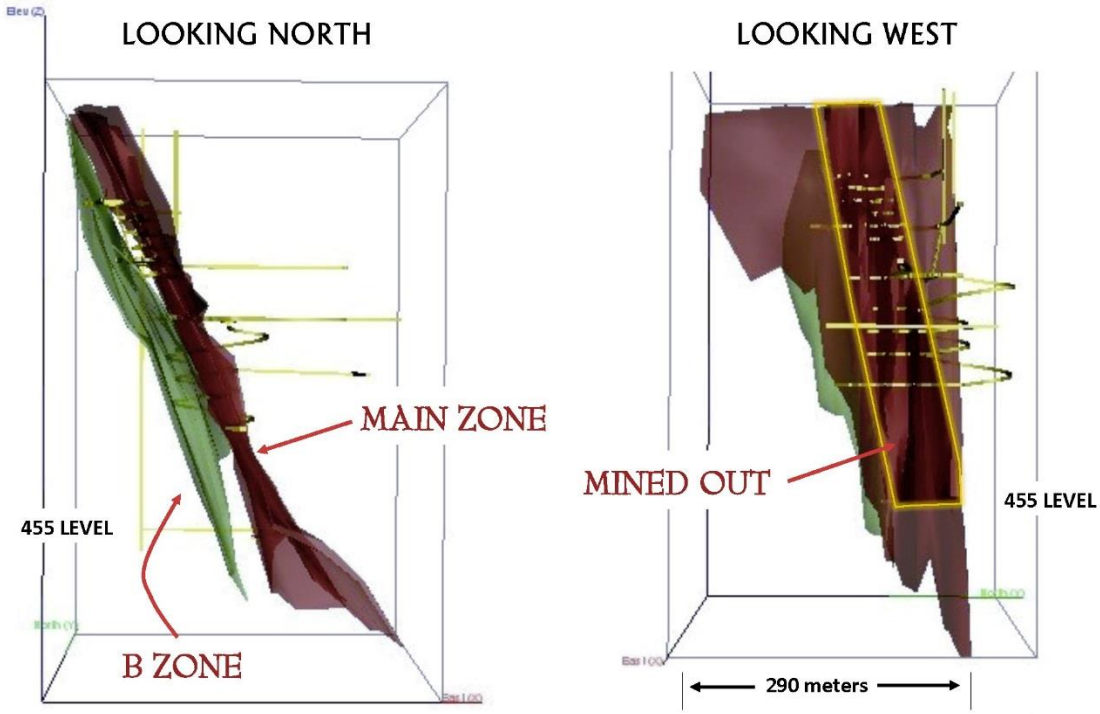

Figure 8: Three dimensional modeling of mineralized iron formations (Main and lower formations) of the Dona Lake Mine

6.3 Mineralization

"All of the gold occurs in oxide-facies iron formation. Mineralized sections display the following characteristics: between 5% and 15% pyrrhotite virtually always accompanies gold. Notably, this relationship does not apply to pyrite; even when pyrrhotite is abundant, if the pyrite content exceeds 3%-4%, gold values are usually low. The pyrrhotite is fine-grained and wispy, cross cutting bedding and apparently replacing or displacing other minerals. There is no arsenopyrite and no evidence of geochemically anomalous arsenic. This situation should be contrasted with the other gold deposits in the Pickle Lake camp where vein quartz was usually the immediate host and arsenopyrite was often the main sulphide."

Visible gold was encountered in three holes, twice associated with quartz veining in the hanging wall (DL21-007 and DL21-015) and once within the targeted iron formations (DL20-006).

Plate 2: Visible gold in quartz veining within hangingwall shear; hole DL21-007 (56.9g/t Au)

Plate 3: Dona Lake main zone iron formation hosting pyrrhotite; hole DL21-004

7.0 2020 -2021 DRILLING PROGRAMS

Work by Metals Creek Resources in this report consists entirely of diamond drilling, totalling 8,238 meters in seventeen (17) diamond drill holes between July 08, 2020 and June 22, 2021. The work was completed in three separate programs with hole depths varying from 138m to 780m; some of which were shut down and restarted due to extensive hole deviation. The drill holes, numbered DL20-001 to DL21-017, were drilled on patents and lease number PAT-7479, PAT-7477 and LEA-108365 respectively to improve on geological knowledge of the iron formations and test for gold mineralization immediately south and beneath the historic mining. Historic data had shown impressive gold grades and widths forming a halo adjacent to (south) and beneath the deepest extent of mine workings (455 level), leaving a viable target to first test. Drilling was conducted under exploration licence number PR-19-000259 for any drilling on the leases.

The drilling of the first two programs (holes DL20-001 to DL21-009) were carried out under contract by M3 Drilling of Hawkesbury Ontario, and the third program (holes DL21-010 to DL21-017) by Cyr Drilling of Winnipeg Manitoba, under the supervision of the author and Mr. MacIsaac, VP Exploration of Metals Creek Resources. All drilling was completed via NQ drill string. Casings were most often left in the hole and capped for future use.

Downhole surveys were taken at 30m or 50m intervals downhole during drilling with final continuous surveys at the completion of each hole. Surveys were completed using a Devico Devigyro (M3 Drilling) or Reflex Gyro Sprint-IQ (Cyr Drilling).

Holes DL20-001, 002 and 003 were lined up using front sites surveyed in by TBT Engineering of Thunder Bay. Holes DL20-004 through DL21-009 were aligned using a Devico DeviAligner box, a sophisticated north seeking alignment tool. Drill holes DL21-010 through DL21-017 were aligned using a similar tool, Reflex TN-14 Gyrocompass.

At the time this report was written, only three casings, DL20-001 to DL20-003 had been surveyed by TBT Engineering for more accurate UTM and elevation data. All remaining casing coordinates are based on a handheld Garmin CSx and need to be surveyed.

All drill core was logged on the property in a secure logging facility. Logging was entered into a digital Metals Creek Access database log by the author or Mr. MacIsaac, both geologists. Logging consisted of rock descriptions, core recovery, sampling intervals and sulphide percentages. All core was photographed prior to any sampling to provide a visual record. Drill core in boxes have been cross piled on pallets, on site for safe storage.

Sampling was generally kept to one meter sample sizes or smaller. Sample ends and numbers were drawn on the core with red grease pencils and data entered into the log. Samples were cut on an electric Vancon core saw with half the cut core placed in labelled bags and the other half retained in the core box. Individual samples were placed into labeled plastic sample bags, stapled closed and placed into rice bags for shipment to the lab. MEK personnel delivered the samples

to Actlabs in Thunder Bay for gold and selective ICP analysis. A total of 1,001 cut core samples were brought to Actlabs for 1A2 package; Fire Assay for gold with AA finish. Four hundred and thirty-five (435) of these samples were analyzed at Actlabs using the Aqua Regia ICP - 1E3 package for 38 element analysis.

Sampling protocal by Metals Creek was to insert a blank and standard within every 20 and 30 samples respectively. Small packets of silica sand were inserted as blank material. Standards used were CDN-GS-3H, CDN-CM-2, VMS4, HGS1 and HGS3. For QA/QC, approximately 10% of sample rejects were sent to AGAT to be compared against the original fire assay result of the primary lab.

It was set up with the Actlabs that any gold fire assay result >/= 1g/t be re-analysed using gravimetric finish and any gold fire assay result >/= 5g/t be re-analysed using metallic finish.

Table 4: Collar UTM Data

Hole No.	**Collar Coordinates**		***Elevation (m)***	***Azimuth (deg)***	***Dip (deg)***	***Length (m)***
	NAD 83 Zone 15					
	Easting	***Northing***				
DL20-001	702387.99	5699664.59	387.61	269.00	-64.11	222.00
DL20-002	702468.08	5699694.31	387.90	270.00	-62.30	350.00
DL20-003	702634.50	5699809.47	396.58	266.00	-77.30	780.00
DL20-004	702687.00	5699825.00	395.50	259.89	-77.02	681.00
DL20-005	702470.00	5699705.00	387.50	260.14	-56.22	318.00
DL20-006	702470.00	5699705.00	387.50	268.47	-51.50	279.00
DL21-007	702608.00	5699750.00	390.00	265.53	-69.10	552.00
DL21-008	702652.00	5699810.00	396.00	262.06	-68.66	588.00
DL21-009	702651.60	5699810.30	396.00	266.41	-60.52	439.20
DL21-010	702686.00	5699795.00	394.50	259.34	-77.10	723.00
DL21-011	702606.20	5699750.60	390.00	264.00	-61.00	492.00
DL21-012	702610.00	5699746.00	390.00	271.40	-66.80	549.00
DL21-013	702610.30	5699746.00	390.00	267.00	-69.70	141.00
DL21-014	702610.00	5699745.00	390.00	264.60	-69.40	528.00
DL21-015	702700.00	5699840.00	395.50	262.90	-77.70	138.05
DL21-016	702701.30	5699839.50	395.50	256.20	-78.00	700.60
DL21-017	702653.00	5699809.00	396.00	258.70	-74.20	637.00

Table 5: Collar Information

Hole No.	*Start Drilling*	*End Drilling*	*No. Samples*	*Lease or Patent*
DL20-001	July 08, 2020	July 10, 2020	40	PAT-7477
DL20-002	July 11, 2020	July 15, 2020	50	PAT-7477
DL20-003	July 15, 2020	July 26, 2020	94	LEA-108365
DL20-004	Dec 07, 2020	Jan 20, 2021	110	PAT-7479
DL20-005	Nov 24, 2020	Nov 29, 2020	16	PAT-7477
DL20-006	Dec 01, 2020	Dec 05, 2020	52	PAT-7477
DL21-007	Jan 23, 2021	Feb 04, 2021	110	LEA-108365
DL21-008	Feb 04, 2021	Feb 13, 2021	27	LEA-108365
DL21-009	Feb 13, 2021	Feb 19, 2021	9	LEA-108365
DL21-010	April 02, 2021	April 18, 2021	66	LEA-108365
DL21-011	April 18, 2021	April 27, 2021	87	LEA-108365
DL21-012	April 27, 2021	May 08, 2021	86	LEA-108365
DL21-013	May 08, 2021	May 09, 2021	24	LEA-108365
DL21-014	May 09, 2021	May 20, 2021	98	LEA-108365
DL21-015	May 20, 2021	May 28, 2021	5	PAT-7479
DL21-016	May 30, 2021	June 12, 2021	43	PAT-7479
DL21-017	June 13, 2021	June 22, 2021	84	LEA-108365

Plate 4: Drill rig on hole DL21-012

Figure 9: DDH locations

8.0 RESULTS

Results from the first 17 drill holes by Metals Creek are very encouraging, and show the gold mineralization to continue south and below the historically mined portion of the deposit. The iron formation continues to show promising alteration, sulphide mineralization and deformation; all key components to the gold deposition. Many of the holes encountered lower grade mineralized shells with a higher-grade core within. Significant diking was intersected in many of the iron formation intercepts; more so in the lower iron formation, that contributed to some drop in average grade. Samples ranged from 0.02g/t Au to a high of 37.4g/t Au within the mineralized portion of main iron formation and samples to 18.8g/t Au were attained from the lower iron formation.

Significant gold was encountered in some hanging-wall quartz veins near surface, with visible gold and grades to 56.90g/t Au. These veins appear to pinch and swell significantly and the orientation of the veins is not well understood and at this time; work with downhole televiewer date is ongoing to better understand these veins.

Table 6: Drill Intercepts

Hole-ID	From (m)	To (m)	Length (m)	Au g/t	Zone
DL20-001	137.00	153.00	16.00	0.736	Main
incl.	139.00	140.00	1.00	4.53	
DL20-002	254.85	269.20	14.35	2.434	Main
incl.	254.85	260.00	5.15	5.672	
and	278.60	287.80	9.20	2.337	B
DL20-003	531.60	538.60	7.00	8.068	Main
DL20-004	607.25	619.00	11.75	3.636	Main
incl.	607.25	613.90	6.65	5.307	
DL20-005	No Significant Assays				
DL20-006	224.90	238.80	13.90	1.261	Main
incl.	235.46	238.80	3.34	2.782	
and	252.90	264.75	11.85	2.211	B
incl.	262.78	264.75	1.97	7.253	
DL21-007	57.35	59.07	1.72	23.49	HW QV
	427.02	450.10	23.08	3.886	Main
incl.	434.45	439.45	5.00	7.786	
and	441.17	445.35	4.18	7.48	
and	460.00	464.00	4.00	4.898	B
DL21-008	intersected mine workings				
DL21-009	intersected mine workings				
DL21-010	621.43	632.27	10.84	1.291	Main
incl.	626.50	628.70	2.20	3.195	
DL21-011	437.70	448.60	10.90	1.917	Main
DL21-012	439.85	464.90	25.05	3.043	Main
incl.	439.85	443.00	3.15	4.455	
and	449.00	457.70	8.70	5.485	
DL21-013	88.60	90.02	1.42	3.550	HW QV
DL21-014	460.00	480.85	20.85	4.082	Main
incl.	459.00	463.00	4.00	7.510	
and	468.00	474.00	6.00	5.990	
DL21-015	65.00	65.76	0.76	4.924	HW QV
DL21-016	625.58	637.00	11.42	2.393	Main
incl.	625.58	628.58	3.00	5.000	
DL21-017	568.40	584.10	15.70	2.172	Main
incl.	568.40	572.40	4.00	3.943	

9.0 RECOMMENDATIONS

As a result of the work to date, a number of recommendations can be made to be used as tools to generate targets for drilling to move the project forward. Further prospecting and ground truthing of magnetic anomalies, Soil-gas-hydrocarbon sampling (SGH), induced polarization survey and diamond drilling are all recommended at different locations on the property.

Prospecting and ground truthing of magnetic anomalies is recommended on the south central portion and southeastern corner of the property along the magnetic signatures. Interesting fold structures appear in the magnetic anomalies that could be traps for sulphide generation and associated gold mineralization.

An induced polarization or magnetotelluric survey is recommended in the eastern area of the property where sample DLP19-4 returned a grab sample of 111ppb Au from iron formation. Although not economic on surface, sulfide mineralization may be present at depth. The idea of the survey is to detect 1-10% sulphides at depth like sulphide/gold mineralization of the Dona Lake Mine. Overburden is thin to non-existent there so conductive clay will not be an issue.

Areas of extensive overburden coverage are present on the Dona Lake site, especially on the south and southwestern portions of the property. With the great success the SGH method of soil sampling has seen in other gold districts (Red Lake) with similar ground conditions, it's thought that introducing this new technology could generate gold-in-soil anomalies/targets. This process can help streamline drill target generation of peripheral targets where overburden coverage does not allow detailed geological mapping and sampling.

Diamond drilling is obviously warranted to continue defining the gold halo surrounding the mined portion of the Dona Lake deposit as well as at depth down plunge.

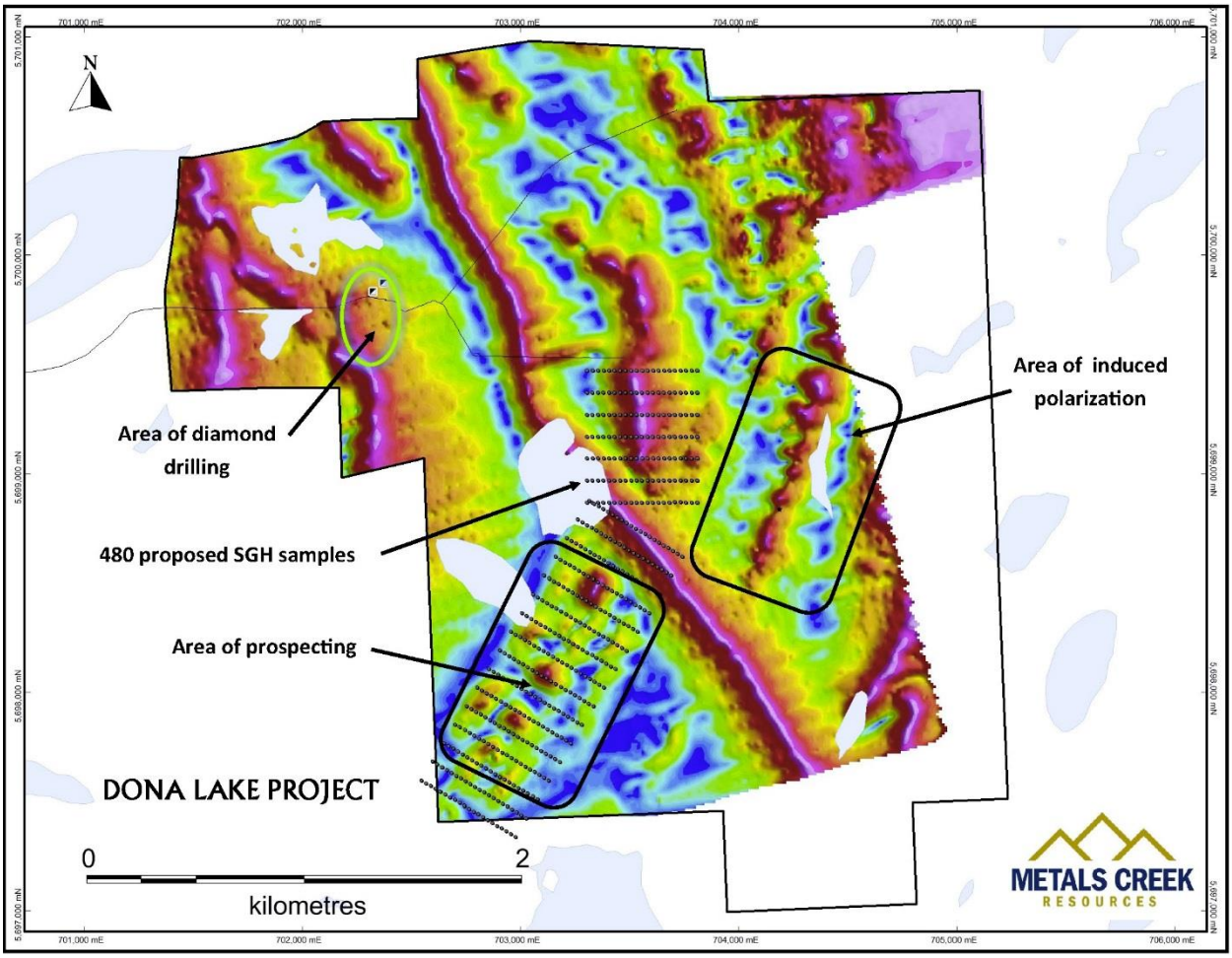

Figure 10: Areas of recommended work

10.0 REFERENCES

Cahoon, G, 1986. Gold In An Iron Formation; The Dona Lake Deposit
Excerp from The Northern Miner Magazine pg 18

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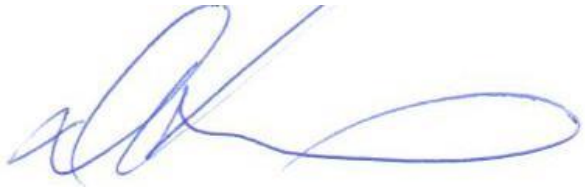
Young, M.D., McNicoll, V., Helmstaedt, H., Skulski, T., Percival, J.A. 2006. Pickle Lake Revised: New Structural, Geochronological and Geochemical Constraints on Greenstone Belt Assembly, Western Superior Province, Canada.

Young, M.D. 2003. New Structural, Geochronological and Geochemical Constrain on the Tectonic Assembly of the Archean Pickle Lake Greenstone Belt, Uchi Subprovince, Western Superior Province.

11.0 STATEMENT OF QUALIFICATIONS

I, Don Heerema Jr., hereby certify that:

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

Signature: 

Date: August 19, 2021

APPENDIX I

Drill Logs

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Dona Lake	CLAIM NO.:	PAT-7477			DOWNHOLE SURVEY METHOD: Trueshot	REMARKS: Very soft swampy ground. Casing remains and capped. Started with double hex corebarrel and then went to one as one barrel got scrapped by drillers. Casing was clipped by drill when pulling off the setup and snapped 5ft down.
HOLE NO.:	DL20-001	LENGTH (m):	222.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83 Zone15	NORTHING:	5699664.586	EASTING:	702387.990	COLLAR SURVEY BY: TBT Engineering	
SECTION:	N/A	ZONE:	N/A	ELEVATION (m):	387.605	DRILLING COMPANY: M3 Drilling	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	268. / -60.0	SURVEYED:	269.000 / -64.110	DATE LOGGED: Jul. 09, 2020 TO Jul. 10, 2020	Core Storage: On the property
HOLE STARTED:	July 08, 2020	HOLE FINISHED:	July 10, 2020	MAG:	3.69º w	LOGGED BY: D.Heerema	Page 1 of 9

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	10.50	**OVERBURDEN** Downhole tests…. @ 21m Azi 293.8? Dip -60.6 @ 72m Azi 295.1? Dip -59.7 @ 123m Azi 286.4? Dip -59.0 @ 174m Azi 298.1? Dip -58.1 @ 222m Azi 293.3? Dip -57.6																			
10.50	14.00	**FELSIC DIKE** Fine to medium-grained and weakly foliated at 45 deg tca. Composed of approx 40% fine biotite; mauve/beige colouration cut by thin cream to rusty hairline carb stringers. Very blocky and non-magnetic.																			
14.00	14.95	**VOLCANICS** Fine-grained deep green mafic volcanics with massive texture. Non-magnetic and very fractured.																			
14.95	16.75	**FELSIC DIKE**																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-001

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Top 20cm is a healed fault @ 10 deg tca. This dike is slightly dark than above with stronger biotite content and hematization? Small cream coloured phenos. Generally massive with local foliation. Occasional late qtz veinlet 1-3cm wide with associated potassic alteration halos. Non-magnetic. Lower 30cm appears to be a brittle fault.																			
16.75	119.40	**VOLCANICS** Fine-grained mafic volcanics with a weak foliation @ 50-55 deg tca with local areas of increased strain. Local areas of coarser grained euhedral grains with magnetism and some sulphides. Actinolite and biotite alteration. Local areas are slighlty finer-grained and dark and could possibly represent pillow selvages. Jointing is moderate with increased fracturing in areas of larger quartz veinlets. Late semi-transparent quartz present throught filling strain cracks. Very weak magnetism seems pervasive with increases in coarser grained patches. Weak banding with magnetism present at 26.5m and 30m. A section from 67.80 to 72.40m has increased foliation, quartz and stronger biotite alteration as localized brown bands resembling pyrrhotite. Associated with the biotite is minor disseminated to blebby pyrite + pyrrhotite. 25.35 - 25.62m: qtz vein @ 45 deg tca -minor po + less py along lower contact 28.20 - 28.30m: qtz vein @ 40 deg tca 30.00 - 30.53m: section of increased magnetite and qtz ribboning with increases in grain size; trace po + py 40.84 - 40.90m: coarser-grained pod with well developed euhedral grains, green and black and magnetic with thin	mv					001	118.40	119.40	1.00	-	-			0.010					0.3

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-001

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

orange k-spar veinlet with trace po

41.14 - 41.22m: qtz vein @ 60 deg tca

59.96 - 60.07m: qtz vein @ 90 deg tca

61.13 - 61.20m: qtz/felds vein @ 55 deg tca

62.55 - 62.84m: qtz veining with irregular contacts
-clotty albite at lower contact

64.42m: 2cm qtz veinlet @ 33 deg tca with tiny cpy bleb

72.27 - 73.02m: felsic dike @ 45 deg tca
-dark groundmass with creamy phenos
-foliated and non-magnetic
-minor bleaching locally
-sharp contacts

83.75 - 84.02m: qtz vein @ 50 deg tca
-cooked up sugary texture with minor po associated along upper contact

98.00 - 98.74m: qtz vein/chert @ 35 deg tca
-cooked up sugary texture from 98.17 to 98.62m
-greyish
-magnetite/biotite rich sections above and below the chert/vein material forming IF?
-2-3% disseminated po and less py in upper coarse-grained section with magnetite and biotite

107.46 - 108.13m: felsic dike
-dark with creamy coloured phenocrysts
-foliated

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-001

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		-minor bleaching locally -sharp contacts @ 45 deg tca Below 114m to 119.4m the unit coarsens to resemble a medium-grained melanogabbro/pyroxenite. Massive in texture with euhedral hornblende set in green/silver actinolite groundmass. Locally and weakly magnetic. Local brown biotite alteration. 118.93 - 119.08m: iron formation? -strong magnetism -hosts 4% stringer pyrite -minor qtz within also																			
119.40	124.25	**IRON FORMATION** Well altered unit with some remnant banding locally. The unit appears to consist of variable amounts of magnetite, grunerite, actinolite, garnet and greenish/grey chert. Most of the original textures have been destroyed, with only small windows of more original banding and mineralogy. The banded portions host more magnetite. Local crenulations and folds evident. Sulphides present, mainly pyrite from disseminated, to stringer, to semi-massive and large blebs to 1cm in diameter. Minor po also but approx 10:1 py:po ratio. Local areas of 15% pyrite over 10cm intervals and an overall sulphide content of approx 4-5%. Semi-massive po seam 1cm wide at 121.80m 120.30 - 120.97m: felsic dike -very fine to fine-grained with fabric -patchy bleaching causing a soft greenish colouration	IF					002	119.40	120.30	0.90	tr	5			0.072					1.2
			FD					003	120.30	120.97	0.67	-	-			0.006					0.3
			IF					004	120.97	122.10	1.13	tr	4			0.042					1.6
			IF					005	122.10	123.20	1.10	tr	4			0.027					1.3
			IF					006	123.20	124.25	1.05	tr	3			0.018					1.3

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-001

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		-orange k-spar alteration locally -wavy and slightly more diffuse contacts Note: lower contact in fault and based upon colour change of rubble																			
124.25	126.00	**FAULT ZONE** Greater than a meter of core missing/unrecovered. Driller noted no head pressure. Volcanics.	FZ/VOL					007	124.25	126.50	2.25	tr	-			0.017					0.1
126.00	126.57	**VOLCANICS** Massive dark green homogenous volcanics cut by occasional white qtz/carb stringer.																			
126.57	128.65	**FAULT ZONE** Extreme rubble of volcanics with breaks at very shallow angles tca. One remnant qtz vein from 127.70 to 127.91m.																			
128.65	132.07	**AMPHIBOLITE GABBRO**	mv					008	131.07	132.07	1.00	-	-			0.014					0.1

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-001

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Deep green and generally massive with a poikolitic texture of larger mafic minerals (tremolite?) set in a green/grey shiny groundmass of actinolite. Rock has the appearance of an ultramafic. Gritty and shiny on broken surface. Late white qtz/carb stringers cut core here and there at very shallow angles to ca. Non-magnetic 129.72 - 129.82m: fault at 50 deg tca -minor gouge																			
132.07	154.80	**IRON FORMATION** Well banded formation with fine bands now mainly altered to green grunerite with local biotite and garnets. Green to yellowish colouration in the upper portion before mainly a green grunerite/magnetite banded unit. Banding failry consistent at 55-60 deg tca but seen as shallow as 15 deg and as steep as 90 deg tca with bands <1cm thick. Local areas exhibiting crenulations and generally gentle folds. Cherty material is a grey/white gritty sugary texture. Sulphides variably throughout from trace to 70% locally, as blebby pyrite to more stringer pyrite and pyrrhotite. Pyrite more common in upper 5m to 137.20m. Strongest sulphides generally between 132.07 and 137.20m. Below ~139m the unit contains less sulphides and banding of the iron formation is more pristine with distinct magnetite bands. Banding is cross-cut by very shallow angled grunerite/qtz hairline stringers showing very minute scale off-sets to banding. Sulphides in this section are less abundant, and mainly as thin po stringers with only trace py. 132.07 - 133.17m is chert rich section with occasional late qtz	IF					009	132.07	133.15	1.08	5	-			0.099						1.7
			IF					010	133.15	134.40	1.25	1.25	-			0.030						0.7
			IF					011	134.40	134.95	0.55	30	-			0.168						2.4
			IF					012	134.95	136.00	1.05	3	-			0.026						1.0
			IF					013	136.00	137.00	1.00	7	-			0.036						0.8
			Blank					014	137.00	137.00	0.00					0.002						0.1
			IF					015	137.00	138.00	1.00	5	-			0.236						0.6
			IF					016	138.00	139.00	1.00	tr	-			0.300						0.3
			IF					017	139.00	140.00	1.00	0.5	-			4.530						1.0
			IF					018	140.00	141.00	1.00	tr	-			0.465						0.1
			IF					019	141.00	142.00	1.00	tr	-			0.204						0.1
			IF					020	142.00	143.00	1.00	1	-			0.095						0.2
			IF					021	143.00	144.00	1.00	0.5	-			0.784						0.4
			IF					022	144.00	145.00	1.00	0.75	-			0.231						0.3
			Standard					023	145.00	145.00	0.00					2.890						0.6
			IF					024	145.00	146.00	1.00	0.75	-			0.251						0.5
			IF					025	146.00	147.00	1.00	1.75	-			0.393						0.3
			IF					026	147.00	148.00	1.00	2	-			0.450						0.4
			IF					027	148.00	149.00	1.00	1.5	-			0.070						0.3
			IF					028	149.00	150.00	1.00	0.25	-			0.100						0.5
			IF					029	150.00	151.00	1.00	1.5	-			0.510						0.5
			IF					030	151.00	152.00	1.00	1.25	-			0.308						0.3
			IF					031	152.00	153.00	1.00	1	-			2.850						0.9

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-001

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		veinlet and sulphides @ 8%. Approx 4% py and 4% po	Blank					032	153.00	153.00	0.00					0.006					0.1
			IF					033	153.00	154.00	1.00	1.5	-			0.090					0.5
		133.94 - 134.20m: chert/silicous with 5% py + po at 1:1 ratio	IF					034	154.00	154.80	0.80	1	-			0.054					0.5
		134.54 - 134.95m: section with minor quartz flooding and 30% sulphides (not in quartz). Po + py at 5:1 ratio as stringers to semi-massive																			
		135.40 - 135.80m: cherty with late qtz flooding, locally hosting 12% sulphides at 5:1 py:po																			
		135.80 - 136.10m: area of increased po and less py @ 1:1 ratio and 3% overall																			
		136.56 - 136.64m: semi-massive po band @ 53 deg tca; 7cm true width. 65% po + trace py and cpy																			
		137.05 - 137.10m: semi-massive po band @ 55 deg tca with 70% po. Slightly folded with stratigraphy																			
		141.70m: gentle folding of banding - nil sulphides																			
		141.80m: gentle folding of banding opposite direction of fold at 141.70m - nil sulphide																			
		142.30m: tight isoclinal fold nose @ 87 deg tca - trace po																			
		145.70m: gentle fold																			
		Standard HGS1 used for sample 023.																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-001

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
154.80	222.00	**VOLCANICS** Fine-grained, deep green matic volcanics. Alteration to green shiny actinolite plus local patchy brown biotite. Black coarse tourmaline associated with late quartz features near fault. Parts of the unit resemble ultramafics to 163m where a foliation and felsic minerals become more pronounced. Foliation @ 60 deg tca with very little to no deformation of foliation. Magnetism varies from nil to weak to strong with gradation. Strongest section of magnetism from 165 to 166.30m with fine disseminated magnetite blebs to 20%. Minor pyrite. 156.76 - 157.00m: fault gouge @ 60 deg tca -very soft 158.08 - 158.42m: qtz vein with black tourmaline at contacts with trace green chlorite @ 40 deg tca From approximately 170.20 to 172.30m is a section of slight coarsening with stronger biotite, weak to moderate magnetism and bleby to weak stringer sulphides. Py + po @ 3:1 ratio present from 170.60 to 172.30m averaging 1% with local sections to 2.5%. Below 179.0m the unit becomes slightly finer-grained and less foliated with weak local magnetism. Occasional late qtz structure as stringers and veinlets. Patchy browm biotite alteration. 181.00 - 181.09m: late qtz vein @ 15 deg tca -5cm true width -semi-transparent qtz 182.44 - 184.65m: felsic dike @ 50 deg tca	mv					035	154.80	155.80	1.00	-	-			0.033						0.1
			mv						036	169.30	170.30	1.00	tr	-			0.047						0.1
			mv						037	170.30	171.30	1.00	2	-			0.265						0.4
			mv						038	171.30	172.30	1.00	1.25	-			0.171						0.3
			mv						039	172.30	173.30	1.00	0.75	-			0.039						0.2
			mv						040	173.30	174.30	1.00	0.5	-			0.058						0.1

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-001

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

-dark grey with white/grey felds phenos
-local areas of increased silicousness
-cut by late qtz
-non-magnetic

188.02 - 188.11m: felsic dike @ 70 deg tca
-grey with creamy phenos of 30%

188.24 - 188.66m: felsic dike @ 64 deg tca
-fine-grained with creamy phenos of 30%
-phenos to 2mm in diameter
-fabric

209.12 - 209.19m: late qtz veinlet @ 50 deg tca

212.86 - 213.00m: qtz vein @ 35 deg tca
-5cm true width
-composed of sugary qtz and semi-transparent qtz
-barren

218.63 - 218.69m: felsic dike @ 53 deg tca

218.83 - 220.05m: felsic dike
-sharp upper and lower contacts @ 50 and 60 deg tca resp
-fine-grained grey colouration with patchy green/beige bleaching
-approx 20% creamy coloured phenos
-trace pyrite
-weak fabric

E.O.H

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Dona Lake	CLAIM NO.:	PAT-7477			DOWNHOLE SURVEY METHOD: Trueshot	REMARKS: Second attemp of the hole on this setup. First hole (DL20-002A) steepened too much. Casing remains in and capped. Drilled with one hex core barrel. Trouble with ground around 271m., soft and issues with sand type material.
HOLE NO.:	DL20-002	LENGTH (m):	350.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83 Zone 15	NORTHING:	5699694.310	EASTING:	702468.080	COLLAR SURVEY BY: TBT Engineering	
SECTION:	N/A	ZONE:	N/A	ELEVATION (m):	387.900	DRILLING COMPANY: M3 Drilling	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	268. / -61.0	SURVEYED:	270.000 / -62.300	DATE LOGGED: Jul. 12, 2020 TO Jul. 15, 2020	Core Storage: On the property
HOLE STARTED:	July 11, 2020	HOLE FINISHED:	July 15, 2020	MAG:	3.69º w	LOGGED BY: D.Heerema	Page 1 of 15

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	13.30	**OVERBURDEN** Downhole surveys.. @20m Azi 297.8 Dip -62.5 @50m Azi 300.3 Dip -62.4 @71m Azi 300.8 Dip -61.9 @80m Azi 301.0 Dip -61.9 @110m Azi 302.1 Dip -61.6 @140m Azi 302.4 Dip -61.6 @170m Azi 302.8 Dip -61.1 @200m Azi 302.8 Dip -60.8 @230m Azi 302.7 Dip -60.2 @260m Azi 128.2 Dip -59.8 @290m Azi 306.5 Dip -58.7 @320m Azi 302.7 Dip -58.5 @350m Azi 306.3 Dip -58.0 Caution: the magnetics of the iron formations badly throw off the azimuth readings of this downhole instrument.																			
13.30	23.83	**PORPHYRY DIKE** Massive, dark and hard unit of dark grey groundmass with variable phenocryst content from 5-40%, generally in the order of 15%. Phenos are creamy to white in colour, sub rounded to square in shape and reach 2.5mm in diameter; especially over the last 40cm of unit. Occasional late qtz/carb veinlet cutting the dike. Moderately jointed.																		

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-002

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
23.83	25.60	**VOLCANICS** Well foliated green/brown biotite altered mafic volcanics; well fractured. Weak gabbroic texture. Cut by late qtz veinlets to 1cm thick. Non-magnetic. Rubbly lower contact: fault?																			
25.60	49.15	**DIKE** Very fine-grained dike; massive grey/brown colouration. Resembles a fine-grained diabase composed of fine sub to euhedral feldspar + opx @ 50:50 with fine salt and pepper texture. Non-magnetic. Jointed + fracturing making blocky ground. Trace py + cpy. Local areas exhibiting small scale gash fractures filled by late qtz. Slight coarsening locally. Lower contact @ 48 deg tca. 32.77 - 38.80m: volcanics -well foliated @ 50 deg tca -biotite altered -crack and seal white/green cement 41.80 - 42.90m: volcanics -deep green -less foliated and altered than section above -badly fractured from 42.60 - 42.90m 43.93 - 44.70m: volcanics 44.92 - 45.00m: fault with minor remnant gouge 46.00 - 46.60m: volcanics																			

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		-moderately foliated																			
49.15	85.33	**VOLCANICS** The unit is composed of what appear to be different flows; perhaps massive flows and pillows. Variably consists of alteration, grain size and texture. From 49.15 to 56.75m has increased foliation as well as clotty to banded brown biotite alteration @ 45 deg tca. Strain fractures filled by late qtz. 55.96 - 56.10m: qtz vein @ 43 deg tca -sugary qtz with influx of semi-transparent qtz -wavy irregular contacts Below 56.75m the rock becomes finer-grained, lighter in colour and generally more massive. Resembles pillows with occasional thin dark selvage? No brown biotite banding or clots but pervasive actinolite alteration. Non-magnetic. Late cracking filled by late white qtz as stringers and knots. No substantial sulphides. 70.20 - 70.85m: extremely fractured zone with 0.5 to 5cm size angular pieces, driller induced? 71.00m: ~3cm band of brown biotite with waxy contacts hosting minor blebby pyrite -oriented @ 25 deg tca 74.40 - 75.90m: extremely fractured section of angular rubble from 0.5 to 5cm in size, driller induced? Last 1.10m of the unit cooked up and hybridized with adjacent felsic dike																			

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
85.33	87.85	**FELSIC DIKE** Very fine-grained, hard and non-magnetic. Weakly porphyritic. Slightly bleached/altered halos surrounding hairline healed cracks. Upper and lower contacts @ 50 deg tca.																			
87.85	98.65	**VOLCANICS** Dark green fine-grained; relatively competent and non-magnetic. Only very local seams of brown biotite except for first 2m of the unit where biotite banding as strong as 30% exists. Overall 15% white qtz/cement as stringers and veinlets generally parallel to foliation @ 45-55 deg tca.																			
98.65	104.20	**PORPHYRY DIKE** Fine to medium-grained felsic dike with 40-50% phenocrysts. The dike is a grey/orange/deep reddish colour with white to cream phenocrysts to 3.5mm in diameter. Strong k-spar. Moderate to strong fabric through most of the dike. Very gritty appearance. Moderately sharp contacts. Increased fracturing from 101.30 - 102.25 and 103.20 - 103.85m. 101.80 - 102.25m: fault @ ~10 deg tca -section of immense orange k-spar alteration that has been brecciated and recemented -angular shards of host k-spar as well as massive biotite -breccia approx 40% shards (mainly k-spar) set in gritty quartz groundmass with 5% aqua blue cement as clots and veinlets -minor pitting from dissolved minerals (carbonate)																			

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		-barren of sulphides																			
104.20	125.00	**VOLCANICS** Typical deep green alteration with relatively little brittle alteration. Fairly homogenous with variability in crack and seal abundance. White qtz/felds filling tension cracks. Entire unit starting at 109.90m is very blocky from both jointing and faulting/shearing. RQD of approximately 50%. Non-magnetic. 110.00 - 110.40m: ductile shear sub-parallel tca 110.40 - 111.80m: minor orange k-spar associated with qtz in late clots/stringers. Lower 25cm hybridized with adjacent dike 111.80 - 112.70m: felsic dike @ 58 deg tca -orange k-spar rich -fabric -approx 50% k-spar, 30% biotite and 20% qtz -extremely fractured -trace disseminated pyrite 112.90 - 114.20m: fault zone -mainly angular shards 2-5cm in size -gouge to small gravel material in center -orientation unknown 121.38 - 121.48m: qtz vein @ 60 deg tca -semi-transparent qtz hosting fine blebby pyrite forming discontinuous stringers -abundant biotite along lower contact 123.50 - 125.00m: fault																			

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		-subrounded to angular shards -remnant qtz at 60 deg tca within																			
125.00	128.75	**FELSIC DIKE** Very similar to dike from 98.65 to 104.20m with fine to medium-grained orange/red dike with 40% phenocrysts from 1-3mm in diameter. Very gritty looking. Fabric present @ 65 deg tca. Well jointed. Strong presence of fault activity. 126.63 - 128.75m: fault -brecciated dike from 126.63 to 128.40m with subangular to rounded pieces of host dike with strong k-spar alteration -brecciated xenoliths from mm to dm scale -matrix is dark grey to black with quartz and soft serpentine?? -soft and waxy matrix locally -breccia is xenolith heavy at approx 85% -general orientation of matrix seams @ 60-65 deg tca 128.40 - 128.75m: fully recovered soft gouge seam																				
128.75	151.26	**VOLCANICS** Deep green fine to locally coarse-grained. Possibly altered pillows with coarser centers. Patchy brown biotite also as bands from 1 to 30cm within fine amphiboles. Magnetism is weak to moderate locally. Relatively competent. Slightly less crack and seal filling except for last 4m of the unit. 137.00 - 138.20m: area intruded by randomly oriented recrystallized qtz veinlets 2-4cm thick. Within qtz is minor blebby pyrite and in surrounding rock is blebby po + cpy with blebs to 1cm in diameter. Overall sulphide content is 0.25 -																				

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		0.5%. Overall qtz is 5%. 146.10 - 146.66m: interflow sediment? -fine bedding @ 45 deg tca -non-magnetic -strong biotite banding from 146.40 - 146.66m -barren of sulphides																			
151.26	169.90	**FELSIC DIKING** In and out of fine-grained silicous purplish/grey dikes and amphibolite altered volcanics. Contacts are sharp. Diking is not porphyritic but an equigranular silicous unit. Very weak fabric to dikes. Fractured controlled pyrite. Well jointed with additional fracturing. 151.26 - 153.72m: diking at 60 deg tca 153.72 - 157.74m: volcanics 157.74 - 157.83m: dike 157.83 - 158.22m: volcanics 158.22 - 158.33m: dike @ 52 deg tca 158.33 - 159.00m: volcanics 159.00 - 163.58m: dike with upper and lower contacts @ 58 and 40 deg tca resp; minor disseminated pyrite 163.58 - 166.70m: volcanics 166.70 - 169.05m: dike @ 45 deg tca 169.05 - 169.30m: volcanics 169.30 - 169.90m: dike																			
169.90	210.35	**VOLCANICS**	mv					001	209.35	210.35	1.00	-	-			0.020					0.2

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Fine-grained green amphibole altered with slightly variable alteration and textures. Areas of increased foliation contain more biotite where as more massive sections are equigranular and rather homogenous. Magnetism weak locally. Rocks show evidence of brittle crack filling by late quartz; locally showing brecciation of host volcanics. Far blockier and broken section from 178.45 and 180.55m with breaks @ 35 deg tca and RQD of approx 10%. 172.30 - 173.05m: irregular qtz vein 192.80 - 193.09m: gritty qtz/felds vein @ 55 deg tca with wavy contacts -stretch boudined volcanic xenolith within 195.20 - 196.00m: coarser-grained section with gradational contacts + 10-15% biotite. Thin 4cm quartz veinlet in center adjacent to 3cm seam of 10% disseminated magnetite + 0.5% po. 203.60 - 203.65m: fault rubble seam @ 37 deg tca Below 205.40m the rocks increase in grain size to a gabbroic texture with a moderate foliation. Non-magnetic and very little late qtz material 207.75 - 207.97m: iron formation -banded @ 50 deg tca -cherty with bands of biotite/amphiboles/grunerite + diss magnetite -magnetite not as bands but 1mm blebs parallel to bedding -strongly magnetic -no sulphides																			

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FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
210.35	214.10	**IRON FORMATION** Off white/creamy to purplish chert with fine bands of magnetite + biotite + grunerite. Very fine mm scale banding@ 65 deg tca where not contorted or folded. Nose of fold present @ 210.50m and minor folding evident @ 213.50m. Chert rich formation at approx 80%; with a gritty appearance. Occasional knot of late semi-transparent qtz. Sulphides present nearest upper and lower contacts in magnetite rich sections as coarse blebs to stringers. Pyrite and pyrrhotite at approx 2:1 ratio reaching 6% locally. Pyrite as coarse blebs >1cm and po as fine stringers. 210.35 - 211.15m: magnetite + sulphides at 6% po + py 211.15 - 211.40m: altered volcanics 211.40 - 212..85m: chert rich with little sulphides 212.85 - 214.10m: darker magnetite bands + 4.5% sulphides with minor graphite from 213.70 to 213.93m	IF					002	210.35	211.15	0.80	4	2			0.045						1.2
			IF					003	211.15	212.05	0.90	tr	tr			0.015					0.6
			IF					004	212.05	212.85	0.80	tr	tr			0.012					0.4
			IF					005	212.85	214.10	1.25	4	0.5			0.020					1.1
214.10	215.40	**VOLCANICS** Fine-grained foliated amphibolite with biotite.	mv					006	214.10	215.10	1.00	-	-			0.007					0.1
215.40	246.95	**AMPHIBOLITE GABBRO**	gab					007	245.95	246.95	1.00	-	-			0.015					0.2

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		Fine to more medium-grained homogenous gabbro. Approx 50:50 mafic to felsic composition. Mafics are shiny hornblende with finer-grained green amphiboles. Slight grain size change locally from 2mm to 4mm subhedral to euhedral hornblende with interstitial plag. Weaker jointing/fracturing with very few late structures. Unfoliated massive texture to 244.70m where the development of a fabric @ 47-50 deg tca appears with approx 15% biotite. 230.35 - 231.00m: section of three qtz veins cutting shallow with very wavy contacts 237.10 - 237.07m, 237.15 - 237.29m and 237.74 - 238.00m: irregular qtz veins; white with trace k-spar																			
246.95	270.48	**IRON FORMATION** Highly variable unit consisting of semi-massive pyrrhotite to sections of chert to magnetite banded to an area of mainly quartz. Banding is generally 2-10mm thick with core angles from 15 to 80 deg tca generally at 60 deg tca. Alteration consists of grunerite, fine amphiboles, pyrrhotite and garnet. Sulphides throughout consisting of po, py and minor cpy with po as the dominant sulphide. Pyrite appears to be more associated with quartz. Pyrrhotite present within magnetite-rich areas as wisps to thin bands and locally as semi-massive with a gritty metamorphic texture. Below is a more specific breakdown 246.95 - 248.06m: semi-massive po @ 60% forming a matrix type appearance with black amphibole fragments; minor qtz flooding in upper 15cm; very strong magnetism	sms					008	246.95	248.06	1.11	65	tr			0.102					2.1
			chert					009	248.06	248.48	0.42	1	-			0.012					0.3
			sms					010	248.48	249.00	0.52	55	tr			0.053					2.5
			Blank					011	249.00	249.00	0.00					0.002					0.1
			IF					012	249.00	250.00	1.00	10	2			0.030					1.8
			IF					013	250.00	250.65	0.65	11	1			0.027					1.8
			IF					014	250.65	251.75	1.10	tr	1			0.081					0.5
			IF					015	251.75	252.85	1.10	1	tr			0.032					0.4
			IF					016	252.85	253.85	1.00	3	tr			0.018					0.6
			IF					017	253.85	254.85	1.00	3	tr			0.100					0.5
			IF					018	254.85	255.85	1.00	<1	-			1.140					0.5
			IF					019	255.85	256.85	1.00	3	tr			3.810					2.4
			IF					020	256.85	257.55	0.70	0.5	-			5.110					0.7
			sms					021	257.55	257.95	0.40	40	tr			37.400					6.1
			IF					022	257.95	259.00	1.05	4	tr			4.060					1.0
			IF					023	259.00	260.00	1.00	4	1			1.460					0.4
			IF					024	260.00	261.00	1.00	1.5	0.5			1.180					0.5
			IF					025	261.00	262.00	1.00	0.75	tr			0.277					0.3

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		248.06 - 248.48m: gritty chert @ 50 deg tca with thin amphibole and po stringers; po at 1%	IF					026	262.00	263.00	1.00	>0.5	-			0.380					0.3
			Standard					027	263.00	263.00	0.00					1.470					24.1
		248.48 - 249.00m: semi-massive po @ 50-55%; strongly magnetic and same texture as above; trace py and qtz knots	IF					028	263.00	264.00	1.00	tr	2			0.263					0.6
			IF					029	264.00	264.40	0.40	2	3			0.200					1.4
		249.00 - 250.65m: section of 15% grey cherty bands with grunerite/magnetite + po sections; contorting of banding; overall 12% sulphides, po as bands and pyrite as coarser clots and fracture controlled	IF					030	264.40	265.20	0.80	tr	0.5			0.260					0.5
			IF					031	265.20	266.00	0.80	-	0.25			0.230					0.7
			IF					032	266.00	266.95	0.95	-	tr			0.550					0.1
			F.Dk					033	266.95	267.13	0.18	-	-			0.590					0.5
		250.65 - 253.15m: amphibolite and grunerite altered with banding @ 50 deg tca. Partially resembles a volcanic with stronger alteration and silicification; occasional garnets to 0.5cm; blebby pyrite at 251.00m and 15% po + py over 3cm at 251.85m	IF					034	267.13	268.13	1.00	1.5	-			1.930					0.9
			IF					035	268.13	269.20	1.07	1.5	-			0.550					0.7
			Blank					036	269.20	269.20	0.00					0.002					0.1
			F.Dk					037	269.20	269.85	0.65	-	-			0.002					0.1
			IF					038	269.85	270.48	0.63	tr	0.5			0.012					0.3
		253.15 - 253.55m: gritty chert band with hairline to 3cm thick magnetite/garnet/po + py bands; gritty metamorphosed texture																			
		253.55 - 253.85m: banded formation with chaotic crenulations and folds hosting tremendous garnet growth with 4-5% wispy to banded po; strongly magnetic																			
		253.85 - 257.55m: area of finely banded magnetite and chert with moderate to strong grunerite/amphibolite alteration causing a greenish colouration to the banding. Bands are well preserved with magnetite bands to 1cm thick and chert bands to 2cm. Banding shallowing from 55 deg tca to 15 deg tca by 257.55m. Po mineralization as fine wisps to stringers in local areas reaching 7-8% over 50cm interval ie. 255.50 to 256.00m and 256.55 to 256.80m. As expected, strongly magnetic																			
		257.55 - 257.95m: semi-massive po at 40-45% with silicous																			

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		knots; general orientation of po @ 40 deg tca; very strong magnetism 257.95 - 264.00m: generally well preserved banding of magnetite and chert with green grunerite forming a green/grey/black banded unit; magnetite bands to 1cm thick and chert to 3cm; bands steepening downhole to 55 deg tca by 263m; cross-cutting micro-faults evident at 259m @ 75-90 deg tca that off-set the banding >1cm; at 259.20m are very small scale isoclinal folds in the magnetite banding; local garnet growth; po + py present; po as semi-massive pods locally and more commonly as fine wisps to stringers; pyrite as large blebs with quartz at 259.80 within broken zone 264.00 - 264.40m: dark amphibolite-rich; folded; with tremendous garnet growth @ ~10% and 10% po with 8% pyrite; 4cm qtz with the pyrite as seams along contacts 264.40 - 266.95m: 70% quartz as grey cherty to mainly semi-transparent qtz with clotty to hairline amphiboles at approx 5%; sections between quartz host strong garnet growth to 4cm in diameter; minor blebby pyrite within qtz with more associated with garniferous areas. Overall pyrite of 0.5% at best. 266.95 - 267.13m: felsic dike @ 65 deg tca -very fine-grained, purplish and silicous; fractured with pyrite on fractures; non-magnetic 267.13 - 269.20m: strongly banded grunerite altered to a banded unit of green with grey/black magnetite + amphiboles; 30% magnetite as thin bands @ 40 deg tca; minor garnet growth; po + py as sinuous stringers and knots averaging 1.5% with po concentrations to 5% locally; pyrite found associated with qtz in upper 12cm @ 8% and subhedral cubes over the																			

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		last 20cm. Shallow 1-4cm porphyritic dikelets cutting perpendicular across bedding at 268.25m and 268.75m 269.20 - 269.85m: felsic dike @ 40 deg tca -very fine-grained with a fabric -porphyritic with 35% small white phenocrysts -2cm chill margins -non-magnetic 269.85 - 270.48m: well banded IF with ~40% magnetite as thin bands from 1mm to 1.1cm amongst green grunerite and grey chert @ 30 deg tca; trace po and 0.5% pyrite Standard VMS4 used for sample 027.																			
270.48	278.60	**VOLCANICS/FAULT ZONE** Ground up extremely rubbly zone the drill was having trouble in. Recovery of approx 20% of rubble with rounded pieces from 2 to 5cm. From 272 to 275m only 30cm of rubble recovered; one remnant 15cm piece of quartz recovered amongst rubble somewhere between 275 and 278m. RQD of 0. Upper and lower contacts measured based upon the end and start of competent core. Therefore the IF on either side could be larger but the rubble all looked to be volcanics.	mv/flt					039	270.48	278.60	8.12	-	-			0.054					0.1

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278.60	287.80	**IRON FORMATION (LOWER)** Well banded unit with more discernible chert bands than IF uphole, with an off-white/grey colouration to 282.20m. Local areas of tremendous garnet growth over 10-20cm sections. Green amphibole alteration throughout found along the boundaries of the magnetite bands. Approximately 25% magnetite as thin >1nn to 15mm bands. Bedding angles start @ 33 deg tca shallow to parallel tca with a gentle fold @ 283.85m steepening to 50 deg tca by end of unit. Very little disruption to bedding with small local areas of magnetite bands showing small scale folding. Sulphides consisting of both po and py as fine wisps to stringers; sulphides range from trace to 25-30% locally. Sulphide content is very low below 286.05m except from 286.90 - 287.15m @ 25% po + 1% py. 279.55 - 280.30m: dike @ 37 deg tca -dark and fine-grained -non-magnetic 282.40 - 283.45m: felsic dike @ 30 deg tca -fine-grained and dark -non-magnetic -well foliated -locally porphyritic 284.36 - 285.60m: dike -upper and lower contacts @ 50 and 35 deg tca respectively -fine-grained, dark and massive -non-magnetic	IF					040	278.60	279.55	0.95	2	-			4.260						0.9
			F.Dk					041	279.55	280.30	0.75	-	-			2.860						0.5
			IF					042	280.30	281.30	1.00	6	5			4.390						0.9
			Blank					043	281.30	281.30	0.00					0.009						0.1
			IF					044	281.30	282.40	1.10	5	1			2.280						0.5
			F.Dk					045	282.40	283.45	1.05	-	-			0.010						0.1
			IF					046	283.45	284.36	0.91	2	3			1.240						0.3
			F.Dk					047	284.36	285.60	1.24	-	-			0.490						0.3
			IF					048	285.60	286.70	1.10	1	1			0.170						0.4
			IF					049	286.70	287.80	1.10	4	1			5.890						1.1
287.80	288.20	**VOLCANICS** Fine-grained, green, gritty amphibole + minor brown biotite																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-002

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
288.20	289.30	**FELSIC DIKE** Very fine-grained, dark and silicous with grey/purplish colouration; porphyritic texture with ~10% creamy/white anhedral to subhedral phenos to 2mm. Unit cut by late semi-transparent qtz veinlets 0.5-1.0cm thick accompanying orange k-spar clots; last 10cm contains pervasive k-spar. Shallow hairline amphibole stringers cutting dike containing minor pyrite. Non-magnetic. Orientation of 55 deg tca.	mv/F.DK					050	287.80	289.30	1.50	-	tr			0.022					0.1
289.30	350.00	**VOLCANICS** Deep green altered; generally massive with very local areas of slight foliation. Competent with moderate jointing and few late structures. Here and there are small scale gash fractures filled by white/grey quartz. Non-magnetic and rather homogenous. 309.57 - 310.27m: felsic porphyritic dike @ 70 deg tca 330.50 - 331.27m: slightly coarser with lighter green alteration and trace biotite with irregular knots of late quartz; trace pyrite last meter of hole increasing in grain size and alteration downhole with associated quartz flooding; trace amphibolite																			

Printed: August-18-21

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Dona Lake	CLAIM NO.:	LEA-108365			DOWNHOLE SURVEY METHOD: Trueshot	REMARKS: Casing remains and capped. Started with double hex corebarrel. Changed the engine in the drill..therefore lost a half shift.
HOLE NO.:	DL20-003	LENGTH (m):	780.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83 Zone15	NORTHING:	5699809.473	EASTING:	702634.501	COLLAR SURVEY BY: TBT Engineering	
SECTION:	N/A	ZONE:	N/A	ELEVATION (m):	396.583	DRILLING COMPANY: M3 Drilling	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	266. / -77.3	SURVEYED:	266.000 / -77.300	DATE LOGGED: Jul. 17, 2020 TO Jul. 26, 2020	Core Storage: On the property
HOLE STARTED:	July 15, 2020	HOLE FINISHED:	July 26, 2020	MAG:	3.69º w	LOGGED BY: D.Heerema & M.MacIsaac	Page 1 of 29

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
0.00	23.40	**OVERBURDEN** Tonalite boulders and compact silt and clay around 21m																			
23.40	36.05	**VOLCANICS** Deep green, amphibole altered with fleck flecks (tuff). Weak to moderate foliation with weak local magnetism. Fine to medium-grained with coarser shiny amphibole. Variable amounts of white qtz/felds stringers and healed cracks; brown biotite/phlogopite present increasing approaching the adjacent dike.																			
36.05	43.00	**FELSIC DIKE** Well foliated dike that appears as a hybrid section of volcanics and dike. Grey/green/purplish colouration. Locally banded with mafic and felsic segregations; moderately silicous with areas of intense silicification and quartz porphyroblasts. Extremely fractured with minor k-spar.																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-003

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
43.00	60.48	**PORPHYRY DIKE** Massive, very fine grey groundmass, hosting 35% white/cream phenocrysts; phenocrysts increase slightly downhole and reach 4mm in diameter; subhedral shape; Very fine biotite and amphiboles in groundmass. 49.80 - 49.85m: bull white quartz vein @ 72 deg tca with clotty po at lower contact 50.57 - 50.80m: bull white quartz vein @ 43 deg tca 51.00 - 51.47m: badly broken into angular shards 51.47 - 52.04m: bull white quartz vein @ 15 deg tca -wavy irregular contacts	qv					086	50.57	50.80	0.23	-			0.011						
			qv						087	51.47	52.04	0.57	-			0.002					
60.48	66.00	**VOLCANICS** Well foliated and appears to be a hybrid of volcanics and dike material like above porphyritic dike. Very fine, silicous, purplish dike material as large dikelets to smaller cm scale dikelets. Foliated @ 60 deg tca																			
66.00	69.90	**IRON FORMATION?** Moderate magnetism in a unit of amphibolite/iron formation cut by silicous dikelets; local brecciated appearance as a result of diking intruding as small narrow fingers breaking original chert banding; iron formation/amphibolite with minor magnetite; biotite alteration is strongest from 69.0 - 69.90m	IF/mv					001	66.00	67.00	1.00				0.021						0.3
			IF/mv						002	67.00	68.00	1.00				0.046					0.1
			IF/mv						003	68.00	69.00	1.00				0.050					0.3
			IF/mv						004	69.00	69.90	0.90				0.010					0.4

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-003

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
69.90	76.80	**VOLCANICS** Deep green amphibolite altered mafic volcanics; fine to slightly coarser-grained. Foliation with biotite alteration common; local brecciation by late quartz flooding, forming irregular vol shards within a very fine gritty quartz matrix; nil sulphides. Very competent rock.																			
76.80	77.80	**IRON FORMATION** Banded unit of fine chert + amphibole with moderate to strong magnetism. Magnetite to 5% as fine disseminations forming in weak bands. Strong biotite alteration. Possibly an altered amphibolite. Pyrrhotite @ 8% as wavy mm stringers parallel to banding/foliation @ 45 deg tca	IF					005	76.80	77.80	1.00	8	-			0.035					1.0
77.80	79.40	**VOLCANICS** Deep green amphibolite	mv					006	77.80	78.60	0.80	-	-			0.006					0.1
			mv					007	78.60	79.40	0.80	-	-			0.010					0.1
79.40	84.50	**IRON FORMATION?** Banded cooked amphibolite altered iron formation; biotite altered; coarser green amphibole + 10-60% brown biotite amongst mm-scale white/greenish qtz material; banding/foliation @ 45 deg tca. Weak pervasive magnetism with local intensities to moderate. Trace to minor pyrite	IF					008	79.40	80.40	1.00					0.246					0.5
			IF					009	80.40	81.40	1.00					0.419					1.1
			IF					010	81.40	82.40	1.00					0.264					0.5
			IF					011	82.40	83.40	1.00					0.028					0.3
			IF					012	83.40	84.50	1.10					0.008					0.1

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-003

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
84.50	125.75	**VOLCANICS** Deep green amphibolite; fine to almost med-grained; gritty and cooked up. Massive with patches of foliated material; foliation has segregated mafics from felsic to form weak banding. Unit is heavily cracked and intruded by thin quartz cement forming localized breccias to 104.15m; angular volcanic shards within fine cement. Below 116.70m the unit has a weak gneissic texture 114.23 - 114.35m: bull quartz @ 52 deg tca																			
125.75	129.16	**CHLORITIC SHEAR** The rock has a soft green colouration and not as gritty or cooked in appearance; unit has a very interesting 'stretch mark' texture where the orientation of the crenulation hinges look like stretch marks on human skin. The unit has been deformed from ductile movement along the shear; occasional xenolith of black amphibolite. Trace to minor cpy + po + py as fine blebs with one cpy bleb to 1cm in diameter.																			
129.16	140.00	**VOLCANICS** Fine-grained deep green amphibolite altered, cut or intruded by 20% thin gritty quartz/felds; crack and seal as well. Segregations of felsic and mafic minerals to cause local weak banding. Non-magnetic.																			
140.00	182.90	**MAFIC DIKE**																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-003

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Homogenous, massive dike; fine-grained resembling a fine gabbro; moderate pervasive magnetism. Consists of 25% fine hornblende, 35% fine green amphiboles approx 2% disseminated magnetite and the rest plagioclase. Moderate to well jointed. Slight grain size variability gradationally. Aphanitic chill margins with fine black 5mm obsidian at contact; olive green aphanitic chill margin that slowly increases in grain size and magnetism away from the contacts. Contacts @ 20 deg tca. 176.35 - 177.60m: extremely fractured section																			
182.90	227.08	**VOLCANIC TUFF** Foliated and well altered with variable grain size from fine to medium-grained; speckled texture as a result of now hornblende; amphibole and biotite common throughout but most commonly found increasing in close proximity to dikes and shears; weak gneissic texture close to dikes also; biotite as much as 30% locally. Foliation @ 45 deg tca. More abundant cracks healed by recrystallized quartz/felds cement to 20% to approx 200m 191.85 - 192.05m: shear @ 40 deg tca -gneissic texture 204.85 - 206.45m: felsic dike -dark, fine-grained and massive -only 5-6% 1-1.5mm phenos -hornblende rich -late quartz sweats with increased grain size of hbl along with minor bleaching and trace to minor k-spar -trace to minor disseminated pyrite																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-003

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		-upper and lower contacts @ 50 and 38 deg tca respectively 183.00 - 183.17m: quartz vein -recrystallized qtz cut by late semi-transparent qtz with green amphiboles and minor disseminated pyrite 211.67 - 211.84m: late quartz vein 213.05 - 213.87m: strong biotite to 45% 214.00 - 214.10m: late qtz veins @ 40 deg tca																			
227.08	231.36	**PORPHYRY DIKE** Very fine-grained dark grey to black groundmass hosting 35% white/cream phenocrysts to 4mm in diameter; phenocrysts generally rounded with perhaps 10% subhedral to euhedral. Groundmass composed of approx 30% biotite and fine disseminated pyrite at 0.5%. Non-magnetic Upper and lower contacts @ 20 and 50 deg tca respectively																			
231.36	235.10	**VOLCANIC TUFF** Same as above; strong biotite alteration forming massive bands from 2mm to 4cm in width 233.00 - 233.63m: porphyritic dike @ 45 deg tca																			
235.10	332.57	**VOLCANICS**																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-003

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Fine-grained and deep green in colour without the speckled tuffacous texture; gradational grain size changes that could represent pillows; moderately jointed with few secondary structures. Non-magnetic. 246.92 - 247.04m: shear @ 70 deg tca 249.33 - 249.40m: very fine-grained dark silicous dike with 30% subhedral phenocrysts 249.40 - 250.60m: brown speckled lamprophyre dike @ 38 deg tca -45% fine biotite/phlogopite with 20% coarser hornblende grains disseminated throughout; non-magnetic Below 249.33m the unit is cut by more recrystallized qtz stringers/veinlets from 1-20%; local areas such as 263.25 and 278.60m for example are brecciated with angular host volcanics shards within the recrystallized quartz; breccias from 2-20cm in width. Parts of the unit have an amygdaloidal texture like at 280m. Thin 0.5 - 2.0cm wavy irregular dark amphibolitic bands present also that could be pillow selvages; most abundant between 280.50 and 291.00m. 261.70 - 261.80m: aphanitic beige diking @ 40 deg tca 289.50 - 289.55m: shear @ 85 deg tca 302.80 - 303.40m: intruded and brecciated by 25% qtz/felds -two ages of qtz -older recrystallized quartz at steeper angle tca @ approx 60 deg -younger qtz/felds veinlets from 2mm to 1.5cm cut older quartz																				

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-003

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		ranging from 5-15 deg tca -approx 1% blebby and disseminated pyrite 304.85m: shear veining @ 40 deg tca with 4mm pyrite seam 308.75 - 308.96m: late qtz/felds veinlets of 3-4cm wide with slight coarsening of amphiboles with moderate magnetism + 10% brown biotite/phlogopite 325.65 - 326.60m: felsic dike @ 35 deg tca -dark grey/purplish colour -very fine-grained in upper half gradationally increasing in grain size downhole; weakly porphyritic -xenolith of mafic dike present at 326.30m with minor pyrite -orange k-spar and local bleaching as halos around healed fractures -non-magnetic 332.00 - 332.57m: well fractured with small scale qtz brecciation																			
332.57	337.70	**FELSIC DIKE** Unit of fine-grained grey/purplish silicous dike that has partially assimilated volcanics to form a hybrid; grey/purplish/green colouration. Weakly foliated. Areas of pure diking are silicous, medium-grained with porphyroblastic texture Part of a shear zone? At 336m evidence of shearing Moderate contacts. Pyrite at 0.25% throughout. Non-magnetic.																			
337.70	343.30	**VOLCANIC TUFF** Deep green; fine-grained with speckled hornblende at 35%																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-003

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
343.30	344.26	**VOLCANICS** Very fine-grained; massive and non-magnetic																			
344.26	355.36	**FELSIC DIKING** Fine-grained, dark grey colouration containing 35% white phenos in gritty amphibole biotite groundmass; massive texture to 349m before becoming foliated @ 45 deg tca. Foliated portion of the diking has no visible phenocrysts. Moderate to sharp contacts with more silicous margins. 349.63 - 351.90m: volcanics with abundant biotite near contacts with diking 352.57 - 353.55m: volcanics -well foliated @ 45 deg tca -slight coarsening of amphiboles with tremendous biotite at 35% -contacts @ 45 deg tca																			
355.36	390.90	**VOLCANICS**	qv					088	356.57	356.80	0.23										0.002

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-003

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Upper portion to 362.70m is slightly coarser-grained with foliation and localized biotite closer to dike; below 362.70m the rocks are finer-grained and massive resembling pillows; deep green colour and non-magnetic. Healed cracks and local breccias more common between 365 and 375m reaching as much as 50% over 40cm intervals 356.57 - 356.80m: qtz vein @ 25 deg tca 366.30 - 366.70m: qtz/felds veining and brecciation @ 15 deg tca showing gentle waviness 372.04 - 374.70m: section of increased foliation with associated biotite and coarser amphiboles and garnets? Non-magnetic; foliation @ 85 deg tca with a very gritty texture. Anastomosing qtz stringers with local brecciation; late qtz veinlets from 3mm to 6cm in width cutting unit parallel to foliation; trace pyrite 376.63 - 376.73m: silicous felsic dike @ 42 deg tca -purplish/green colouration with opaque qtz knots -1-2% finely disseminated pyrite 384.60 - 384.80m: shear @ 38 deg tca -90% recrystallized qtz with green amphibole wisps to bands -fine disseminated po @ 10% over upper 5cm discontinuous qtz veinlet -coarser blebs and thin 0.5mm stringers of magnetic po																			
390.90	391.40	**IRON FORMATION**	IF					013	390.90	391.40	0.50	2	-			0.020					0.1

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-003

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Mainly chert bed with thin wispy green amphiboles and trace magnetite @ 40 deg tca; chert is cream/beige in colour; upper 8cm contains fine disseminated and thin hairline stringers of po @ 6%. Oriented 40 deg tca.																			
391.40	438.10	**VOLCANICS** Deep green, fine-grained pillows; locally coarser-grained; darker selvages range from finer-grained to slightly coarser-grained; non-magnetic; qtz/felds veinlets and healed fractures very common as well as late qtz structures; coarsening of amphiboles and presence of biotite generally close to contacts with shears and dikes. 391.40 - 391.85m: 40% biotite 395.45 - 396.50m: bull qtz @ 55 deg tca -brilliant white 405.67 - 405.78m: qtz veining @ ~70 deg tca -intense biotite alteration in host volcanics surrounding qtz 413.60 - 413.83m: brittle fracture @ 30 deg tca 422.40 - 423.33m: felsic dike @ 60 deg tca -fine-grained and gritty -grey with fabric -plag-rich chill margins -1% disseminated pyrite 423.90 - 424.30m: felsic dike -same as above but cut by fine amphibole/qtz/felds stringers	qv/vol					089	394.75	395.68	0.93					0.030					
			qv						090	395.68	396.50	0.82	-				0.012				
			rhy						014	426.85	427.66	0.81	-	1			0.006				0.1

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-003

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		with 1-3mm aphanitic bleached halos -chaotic contacts -0.5% disseminated pyrite 426.85 - 427.66m: rhyolite? -grey to soft beige coloured and extremely silicous -cherty texture with 10% finely disseminated pyrite with slight elongation of pyrite parallel to banding @ 35 deg tca -upper 15cm contains waxy looking clots of pervasive beige/yellowish sericite Between 433.76 and 438.10m are narrow 1-7cm fingers of felsic diking with associated alteration within the volcanics; highly variable in grain size and alteration; amphiboles increase in grain size locally, patchy biotite, minor orange k-spar associated with shearing from 436.40 to 437.00m; shearing at 72 deg tca; felsic dikelets/fingers are generally grey/purplish colour and silicous																			
438.10	449.57	**FELSIC DIKE** Very fine-grained almost aphanitic dark groundmass; grey/purplish colour; hard and very silicous. Small sections of volcanics between dikes with darker and coarser black biotite and brilliant green amphiboles. Contacts are generally sharp except for assimilated pieces. Massive dike over top portion to 441.10m cut by late amph/qtz/felds healed fractures with bleached halos between 438.10 - 439.60m; approximately 3% disseminated pyrite. Below 441.20m the diking develops a weak fabric and cut by far less late structures; still grey/purplish/brown coloured with disseminated pyrite to 2%.	F.dk					015	438.10	439.10	1.00	-	3			0.005					0.1
			F.Dk						016	439.10	440.10	1.00	-	2			0.008					0.1
			Blank						017	440.10	440.10	0.00					0.002					0.9
			F.Dk						018	440.10	441.10	1.00	-	2			0.012					0.1
			F.Dk						019	441.10	442.10	1.00	-	2			0.034					0.1
			F.Dk						020	442.10	443.10	1.00	-	1			0.286					0.3
			F.Dk						021	443.10	444.10	1.00	-	1			0.042					0.1

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-003

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		439.70 - 439.80m, 441.10 - 441.20m, 442.67 - 442.77m, 443.36 - 443.63m and 444.45 - 444.76m: volcanics 439.60 to 441.10m: contains narrow pieces of green assimilated volcanics with more diffuse contacts; local patches of black biotite; approx 2% disseminated pyrite 442.45 - 442.60m: late qtz flooding with 5% black biotite and minor blebby pyrite 446.40 - 449.57m: section of diking with assimilated volcanics creating a hybrid; cooked up with black biotite within volcanics																			
449.57	457.90	**GABBRO/VOLCANICS** Altered volcanics or porphyry dike? Gabbroic texture; medium-grained with local varitextured sweats from fine to coarser-grained; amphibolitic; white plag with local orange k-spar; massive texture and contacts gradational; small sections resembling late sweats; gradational lower contact subjective and based upon general loss of coarser plag. Disseminated pyrite with pyrrhotite and chalcopyrite; sulphides as disseminations as well as interstitial magmatic texture; strongest sulphides from 456.90 to 457.90m @ 4% 452.00 - 452.72: massive bull qtz @ approx 60 deg tca 456.82 - 456.92m: sericite shear @ 85 deg tca Standard HGS3 used for sample 023.	gab/dk					091	451.50	452.00	0.50	tr				0.006					
			qv					092	452.00	452.72	0.72	-				0.005					
			gab/dk					093	452.72	454.02	1.30	1				0.010					
			gab/dk					022	454.90	455.90	1.00	tr	0.5			0.019					0.1
			Standard					023	455.90	455.90	0.00					4.280					0.6
			gab/dk					024	455.90	456.90	1.00	0.5	0.5			0.013					0.3
			gab/dk					025	456.90	457.90	1.00	1	3			0.002					0.4

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-003

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
457.90	503.45	**VOLCANICS**	vol/qv					094	477.35	478.37	1.02	tr				0.006					
			IF					026	498.23	499.10	0.87	2	1			0.025					0.4

Fine-grained, deep green amphibolite alt'd; competent and cut by minor diking and recrystallized to semi-transparent qtz features. Biotite/phlogopite alteration as wisps to bands generally close to dikes and late structures.

458.65 - 458.80m: recrystallized qtz/felds shear @ 85 deg tca

462.70 - 462.80m: felsic dike, trace po

463.27 - 463.32m: felsic dike @ 40 deg tca

470.45 - 470.52m: felsic dike @ 50 deg tca
-disseminated po + py @ 2%

474.63 - 474.80m: felsic dike @ 50 deg tca
-weakly porphyritic
-disseminated 0.5% py + po

475.57 - 475.66m: felsic dike @ 50 deg tca
-silicous with 2% disseminated pyrite + po

477.90 - 478.40m: qtz/k-spar flooding at 50%
-white qtz with clotty orange k-spar

491.00 - 491.10m, 492.38 - 492.42m, 492.55 - 492.58m, 493.40 - 493.57m and 496.45 - 496.55m: felsic diking with gritty texture
-white/orange with k-spar
-moderate contacts from 45-60 deg tca
-trace to minor pyrite

495.40 - 495.50m: qtz vein @ 42 deg tca

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		-brilliant white -occasional shard of amphibolite From 496.85 to 497.75m is a brecciated section consisting of fine-grained amphiboles and yellow/beige sericite brecciated by fine recrystallized qtz veinlets and flooding of ~55%. Consists of 15% sericite and 30% amphiboles. Oriented 45 deg tca. 497.75 - 498.23m: intermediate dike @ 57 deg tca -non-magnetic and massive 498.23 - 499.10m: iron formation -banded at 60 deg tca -fine-grained amph + minor magnetite with chert bands -fine disseminated po within 4cm band @ 498.57m -stringer po + py + trace cpy @ 15% from 498.86 to 499.00m -approx 2:1 po : py																			
503.45	507.05	**IRON FORMATION** Upper portion to 503.97m white/grey cherty with thin bands of green amphiboles + magnetite exhibiting folds and kinks with anastomosing stringers of 20% po from 503.73 to 503.97m with minor blebby pyrite 503.97 - 504.32m: felsic dike @ 52 deg tca -sharp contacts -massive grey and silicous -cut by hairline fractures with orange k-spar halos -non-magnetic From 504.32 to 505.53m is a darker and blockier section with	IF					027	503.45	503.97	0.52	20	tr			0.084					0.7
			F.Dk					028	503.97	504.32	0.35	-	-			0.007					0.1
			IF					029	504.32	505.53	1.21	10	tr			0.125					1.2
			F.Dk					030	505.53	506.27	0.74	-	-			0.012					0.1
			IF					031	506.27	507.05	0.78	1	2			0.026					1.0

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		extreme magnetism. Approximately 10% stringer to thin bands of po overall with portions to 25%. 505.53 - 506.27m: felsic dike @ 45 deg tca -extremely silicous, grey/purplish/orange coloured -fabric -20% cream coloured phenos -30% orange k-spar with gradational contacts -occasional green amphibole stringer cutting dike -non-magnetic 506.27 - 507.05m: mix of chert and amphiboles and magnetite bands shallowing to 42 deg tca; evidence of small scale folding at 506.55m. Strongly magnetic. Hosts 1% thin wisps to stringer po + 2% discontinuous pyrite stringers.																				
507.05	525.65	**VOLCANICS** Deep green amphibolite, slightly coarser-grained than typical; local biotite. Fairly blocky, few qtz healed cracks/fractures 508.63m: brittle fault with ground core @ 47 deg tca 511.75 - 512.02m: qtz vein @ 60 deg tca -white to semi-transparent qtz hosting 45% black amphiboles and minor blebs of po + py 513.90 - 514.00m: narrow IF with 1% disseminated py -badly broken (fault?) -approx 10% fine disseminated magnetite	mv					032	507.05	507.80	0.75	-	-			0.026					0.2
			mv					033	525.00	525.65	0.65	-	-			0.048					0.1

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
525.65	538.60	**IRON FORMATION** Composed of finely banded white to grey chert, green to black amphiboles, grunerite, pyrrhotite and local garnets. Overall the banding is still well preserved with only local areas exhibiting crenulations and small scale folding. Thinner amph/magnetite bands not exceeding 1cm with chert bands to dm scale. Some areas have a greener colouration. Sulphides are abundant in the form of stringers to bands to locally semi-massive pyrrhotite where not diked out. Minor pyrite and chalcopyrite present also. Sulphides are found associated with amph/grunerite/magnetite as possible replacement of magnetite. Sulphides >50% locally. Unit is cut by occasional qtz filled gash fracture at very shallow angles tca cutting across banding and post dating mineralization. 525.65 - 527.63m is chert rich with tremendous po averaging 9-10% with 25% from 526.70 to 527.00m and 527.25 to 528.63m. -folding evident @ 526.20m 527.63 - 529.85m is a section of darker more volcanic looking material with chert + po bands from 527.90 to 528.00m and 528.20 to 528.83m with 0.5% po and 5% po respectively. Contorting of banding but banding generally oriented 55 deg tca. 1cm band of deep red garnets @ 528.52m. Finely banded with stronger green grunerite from 529.40 to 529.90m. 529.85 - 531.60m: felsic dike @ 60 deg tca -very fine-grained, silicous -grey/orange colouration -weakly porphyritic with white phenos as well as 2% blue qtz eyes -strong orange k-spar	IF					034	525.65	526.65	1.00	10	tr			1.150						0.7
			IF					035	526.65	527.63	0.98	35	tr			0.550						0.9
			IF					036	527.63	528.20	0.57	1	tr			1.610						0.2
			IF					037	528.20	528.83	0.63	5	tr			0.541						0.8
			IF					038	528.83	529.85	1.02	3	tr			0.430						0.3
			Blank					039	529.85	529.85	0.00					0.002						0.1
			F.Dk					040	529.85	530.75	0.90	-	tr			0.024						0.1
			F.Dk					041	530.75	531.60	0.85	-	tr			0.193						0.1
			IF					042	531.60	531.93	0.33	4	tr			10.600						2.9
			F.Dk					043	531.93	532.45	0.52	-	tr			0.363						0.1
			IF					044	532.45	533.45	1.00	10	tr			17.600						2.3
			IF					045	533.45	534.57	1.12	5	tr			7.020						1.3
			F.Dk					046	534.57	535.17	0.60	-	tr			0.014						0.1
			IF					047	535.17	535.83	0.66	tr	-			0.062						0.1
			IF					048	535.83	536.90	1.07	10	2			8.890						2.4
			Standard					049	536.90	536.90	0.00					4.080						0.8
			IF					050	536.90	537.80	0.90	40	tr			17.100						5.5
			IF					051	537.80	538.60	0.80	25	tr			2.970						1.9

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		-foliated and very blocky/fractured -very weak local magnetism -minor disseminated pyrite 531.60 - 531.93m is finely banded section of grey/green colour with thin mm-scale bands of amph/grunerite/magnetite hosting approximately 10% fine po. 531.93 - 532.45m: felsic diking -fine-grained and extremely silicous -foliated with faint porphyritic texture -late qtz flooding from 532.00 to 532.10m -at 532.44m is a cross-cutting qtz/po veinlet (6mm true width) cross-cutting the foliation @ 60 deg tca with 85% po 532.45 - 534.12m is a sulphide rich portion of finely banded chert/magnetite/grunerite/pyrrhotite with bedding at 40 deg tca by base of interval. Dark grey massive magnetite bands to 5mm thick around 533m. Sulphide replacement in the form of po stringers averaging 10% amongst a green/grey coloured unit 534.12 - 534.57m: gritty and foliated non-magnetic and unmineralized; volcanic or greywacke 534.57 - 535.17m: felsic dike -very fine-grained and silicous with a grey/purplish colour with green amphiboles -fabric @ 55 deg tca -porphyritic with 20% cream coloured phenos 535.17 - 535.83m is gritty volcanic material, non-magnetic with a greywacke appearance; non-magnetic. Very finely disseminated py + po																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		535.83 - 538.60m is a sulphide-rich section; upper 50cm is finely banded with green grunerite and fine 10% po and trace py; dark magnetite and po banding in a greener coloured unit. 536.50 to 536.70m is a gritty amphibolite with 0.5% po. Last 1.90m is more chaotic with crenulations and banding shallowing to parallel tca by 538m and steeping by to 20 deg tca by end of unit. Strong grunerite alteration with wispy to stringer to semi-massive po averaging 20% with sections >50% from 536.90 - 537.50m and 537.65 - 537.77m. Used standard HGS3 for sample 049																			
538.60	539.55	**VOLCANICS** Deep green, fine-medium-grained amphibolite, very weakly magnetic; foliated with minor fine biotite	mv					052	538.60	539.55	0.95	-	tr			0.010					0.1
539.55	542.95	**FELSIC DIKE** Very fine-grained silicous contacts with a slightly coarser-grained core with a dark colour and stronger mafic content. Contacts are quartz rich with grey/white/purplish colour with a weak porphyritic texture. Phenocrysts are anhedral and white in colour; 4mm in diameter. Phenos to 30%. Weak fabric. At 541.76m is a moderate contact between darker porphyritic dike and extremely silicous qtz flooded porphyry. 540.09 - 540.22m: iron formation consisting of 25% green grunerite and 75% pyrrhotite; 70 deg tca	F.Dk					053	539.55	540.55	1.00	10	-			2.220					1.3
			F.Dk					054	540.55	541.55	1.00	-	tr			0.018					0.1
			F.Dk					055	541.55	542.25	0.70	-	tr			0.010					0.1
			F.Dk					056	542.25	542.95	0.70	-	tr			0.010					0.3

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		542.40 - 542.70m: amphibolite																			
542.95	559.30	**VOLCANICS** Fine to medium-grained amphibolite with strong foliation showing folding @ 547m. Deep green colour with brown biotite appearing below 549m; moderately banded texture as a result of deformation and metamorphism. Strongest banding between 550.70 - 553.10m adjacent a chert band. Unit competency decreases downhole to extremely blocky below 552.90m likely representing a fault. Very few pieces exceeding 10cm between 552.90 to 556.00m. Stronger deformation with minor k-spar below 552.90m. 544.15 - 544.23m: 15% stringer po + py in amph/qtz shear @ 50 deg tca -10% dark quartz -2:1 po:py ratio as thin wisps to stringers, warped and crenulated -pyrite associated with quartz 550.52 - 550.70m: chert band @ 45 deg tca -true width of 12cm -white/grey/green chert hosting clotty black amph + recrystallized qtz pod in center with coarser interstitial po to 6mm -fine chert hosts 10% fine disseminated magnetite + 15% finely disseminated po	mv					057	542.90	544.30	1.40	2	0.5			0.015					0.4
			chert						058	550.52	550.70	0.18	15	tr			0.096					1.1
			Blank						059	550.70	550.70	0.00					0.002					0.1
			mv						060	550.70	551.70	1.00	tr	tr			0.266					0.1
559.30	564.90	**FELSIC DIKE**																			

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METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		Very fine-grained and extremely silicous with a weak porphyritic texture. Grey/purplish/brown colour with approx 5-10% anhedral white phenocrysts to 1.5mm in diameter. Unit cut by hairline qtz/amph healed fractures: upper contact has 3cm breccia with white qtz matrix radiating perpendicular from contact. Well jointed with late fracturing; fine black amph on faces of breaks. RQD value of approximately 10% as few pieces of core exceed 10cm in length. Pyrite is fracture controlled.																			
564.90	578.75	**VOLCANICS** Deep green and brown foliated amphibolite to 569.70m. Strong biotite alteration to 30% as bands parallel to foliation @ 60 deg tca. Schistose to weakly gneissic. Segregations of felsics from mafics have formed the banded texture. Below 569.70m the rocks are finer-grained, basically massive with the look of pillows. Little to no biotite. Cut by occasional late qtz veinlet from 20-45 deg tca. Relatively competent rock. Last 30cm fractured with minor gouge. 576.40m: shear @ 40 deg tca																			
578.75	601.60	**FELSIC DIKE** Similar to dike uphole but with a stronger orange colouration as a result of k-spar alteration. Purplish/brown/orange coloured. The stronger alteration is associated with an increase in late hairline qtz/amph structures that have k-spar and bleaching as halos; more pervasive alteration clouds the porphyritic texture some. Fresher, darker patches exhibit the strongest porphyritic texture with white/cream phenos to 25%. Contacts with																			

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METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		volcanics are very sharp. Well jointed with sections suffering brittle fracturing/faulting. A common joint orientation is noted @ 5 deg tca so drill induced breaking could be resulting. Upper section to 582m has an RQD value of approx 10%. Minor recovered gouge and locally dissolved minerals. 586.96 - 587.28m: late qtz veining @ random orientation -semi-transparent qtz with the look of fish flakes (in the flesh) -tremendous pervasive k-spar bounding qtz 587.28 - 588.60m: brittle fault zone -remnant core exhibiting a healed breccia at 588.70m; evidence of previous movement? 591.30 - 592.10m: highly distorted amphibolite -upper and lower contacts @ 60 and 22 deg tca resp 592.40 - 569.80m: extremely fractured: RQD of 25% 597.70 - 601.60m: RQD of 5%																			
601.60	607.60	**VOLCANICS** Fine-grained, deep green amphibolite. Non-magnetic with a moderate fabric. Patchy brown biotite/phlogopite. Relatively competent. Lower contact @ 47 deg tca 603.35 - 603.50m: felsic dike like above -sharp upper and lower contacts @ 42 and 55 deg tca resp 605.91 - 606.02m: qtz veining 606.88 - 606.92m: then qtz/pyrite healed shear with 50% pyrite	mv					061	606.60	607.60	1.00	-	-			0.016					0.3

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METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
607.60	612.04	**IRON FORMATION (LOWER)**	IF					062	607.60	608.18	0.58	18	tr			0.020					0.9
			IF					063	608.18	608.70	0.52	1	tr			0.023					0.4
			IF					064	608.70	609.50	0.80	15	tr			0.028					1.2
			IF					065	609.50	610.28	0.78	20	tr			0.040					1.2
			IF					066	610.28	611.25	0.97	1	tr			0.059					0.3
			IF					067	611.25	612.04	0.79	20	tr			0.051					1.5

Fine mm-scale banded grey chert with black amph + magnetite. Unit overall is very dark and chert poor with the exception of a couple chert horizons from 608.18 to 608.70m and 610.70 to 611.25m. Darker areas are magnetite-pyrrhotite rich consisting of wispy to stringer po with minor pyrite and trace cpy. Sulphides generally parallel to banding but exhibit fine-scale crenulations, kinks and folding. Sulphides are found with magnetite as possible replacement. Overall sulphide content of approx 15%. Alteration as grunerite and garnets; grunerite more common than garnets as garnets are far more localized. Cherty horizons buff grey with green grunerite bands and magnetite with thin po. More typical BIF zebra appearance.

607.60 - 608.18m darker magnetite - po rich @ 18% po with minor py; banding @ 60-80 deg tca and shows fine folding as seen by folded po bands

608.18 - 608.70m is a well banded cherty horizon with grey chert and 5% green grunerite with 1% <1mm bands of magnetite. Less than 1% po; strong garnet growth 45% from 208.45 - 208.60m

608.70 - 610.28m: another darker magnetite-amph rich section; finely distorted banding hosting 17-20% po as thin wisps to 2mm stringers/bands. Strong evidence of small scale folding @ 609.15m. Banding generally at 65 deg tca

610.28 - 610.73m is a deep green amphibolite with volcanic texture hosting 1% po + py

610.73 - 611.25m is a chert horizon; buff grey in colour with 5%

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		green grunerite and 10% magnetite 2-6mm bands. Minor po as thin stringers within magnetite banding; orientation of 55 deg tca; garnets from 610.83 to 610.90m 611.25 - 612.04m a dark well mineralized highly deformed averaging 20% po; strongly folded @ 611.60m																			
612.04	613.55	**FELSIC DIKE** Very fine-grained grey, gritty silicous dike cut by healed hairline white qtz/felds/carb with associated k-spar alteration halos. Halos so abundant that the rock has a quassy checkered pattern of dark groundmass but by orange diffuse alteration. Very weak porphyritic texture and unmineralized. Non-magnetic.	F.Dk					068	612.04	613.55	1.51	-	-			0.043					0.1
613.55	621.50	**IRON FORMATION (LOWER)** Well banded formation of chert and magnetite with portions looking like zebra stripes. Massive magnetite bands from <1mm to 1.5cm in width. Green grunerite throughout in varying quantities causing a greenish colouration to 75% of unit. Deep red garnet growth present between 614.80 and 616.20m in amph bands. Far less sulphide mineralization averaging <1%. Banding shows kinks to gentle waves in bedding to local brecciation. 616.35m bedding angles shallow to sub-parallel tca with gentle waviness 620.55m: 10cm swath of brecciation where magnetite bands are broken up and now into 1-2cm long pieces randomly distributed in a green amphibole matrix; pyrite at 1.5%	IF					069	613.55	614.55	1.00	tr	0.25			0.019					0.3
			IF					070	614.55	615.55	1.00	1	tr			0.042					0.4
			IF					071	615.55	616.55	1.00	tr	tr			0.212					0.3
			IF					072	616.55	617.55	1.00	tr	tr			0.156					0.3
			IF					073	617.55	618.55	1.00	1.5	1			0.056					0.4
			Blank					074	618.55	618.55	0.00					0.002					0.1
			IF					075	618.55	619.55	1.00	-	-			0.005					0.1
			IF					076	619.55	620.55	1.00	<0.5	tr			0.044					0.4
			IF					077	620.55	621.50	0.95	tr	tr			0.017					0.2

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		617.20 - 617.28m: amphibolite with fault gouge over upper 5cm 619.50m: 4cm gouge seam @ 55 deg tca 619.80 - 620.30m: felsic dike																			
621.50	621.80	**VOLCANICS** Deep green foliated amphibolite	mv/F.dk					078	621.50	622.20	0.70	-	-			0.007					0.1
621.80	623.85	**FELSIC DIKE** Very fine-grained gritty and silicous dike similar to those uphole. Dike has a fabric, minor orange k-spar. Well jointed and fractured with core lengths from 4-10cm throughout. 622.45 - 622.70m: amphibolite																			
623.85	641.93	**VOLCANICS** Deep green amphibolite; rather homogenous and weakly foliated. Very fine-grained and cut by occasional late qtz veinlet from 1-2cm in width and 45-65 deg tca. Unit is badly broken up with breaks anywhere from 10-40 deg tca and steepening slightly with some at 60 deg tca by 630m. Rocks slightly silicified from 632.70 to 633.60m; lighter green coloured and harder. Slight increase in competency below 636.0m as unit increases slightly in grain size with a tuffacous texture to 639.80m. Below 639.80m the rock is generally fine-grained																			

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-003

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		with local areas of foliation. Fault from 630.70 to 632.70m with narrow seams of gouge and core exhibiting straining and more mylonitic texture. Orientation of these features at approx 30 deg tca. RQD value of 5% in fault interval. 640.75m: weakly brecciated by 5% qtz + biotite over 15cm core length																			
641.93	645.86	**FELSIC/INTERMEDIATE DIKE** Medium to dark grey-black, aphanitic to fine-grained, hard - possibly silicified. Locally feldspar phyric with phenocrysts up to 3mm and subhedral. Abundant healed fractured with quartz and feldspar. Non-magnetic. Sharp upper contact @ 55 deg tca. Brecciated lower contact with volcanic. Relatively unfractured with healed fractures at various orientations.																			
645.86	678.43	**VOLCANICS** Medium to dark green, mainly fine-grained becoming locally hornblende phyric over stretches, probably a result of metamorphism. Approaching amphibolite. Relatively unfractured with same healed fractures with quartz and feldspar; mainly at 30 to 50 deg tca. Local sections of increased biotite alteration (patchy); moderate fabric @ 45 deg tca locally becoming tuffaceous over 3-5m sections. Moderate to strong biotite in close proximity to dikes. Local sericite - clay alteration. Shallow fractures 25-35 deg tca. Rock is pretty competent, 657.90 - 661.70m: moderate biotite alteration, patchy	mv					078a	663.58	663.89	0.31	10	1			0.002					0.4
			mv					079	663.89	666.28	2.39	10	2			0.002					0.3

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-003

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		663.58 - 663.89m: quartz-sulphide zone -8cm seam of 20% po with 1% cpy -quartz flooded, biotite-sericite -lighter grey band 664.70 - 665.30m: int/felsic dike @ 55 deg tca -same as above 665.35 - 666.28m: mineralized zone -two sulphide seams 5-10cm wide with 20% po, 2% py and 1% cpy -within magnetic felsic bands with sheared mafic tuff -biotite-sericite alteration 666.35 - 666.90m: biotite-hornblende alteration / gneissic -tuffacous bedding at 52 deg tca																			
678.43	727.67	**HORNBLENDE-BIOTITE GNEISS** Dark green/black fine to medium-grained. Relatively competent and unfractured. Massive. Unit contains phenocrysts of hornblende ranging from 3-5mm increasing in size downhole. Biotite alteration also increasing downhole in close association with hornblende. Local fabric at approx 60 deg tca. Unmineralized and non-magnetic. Becomes harder over last 10cm. 698.97 - 699.26m: qtz flooded zone, 60% qtz with 2% cpy -yellowish qtz 725.20 - 726.20m: more felsic portion; felds strongly sausseritized	qtz					080	698.97	699.26	0.29	-	-			0.009					0.3
			mv						081	726.67	727.67	1.00	-	-			0.008					0.2

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-003

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
727.67	729.26	**IRON FORMATION** Finely banded magnetite-silicate iron formation with alternating bands of magnetite and chert which are altered to grunerite. Magnetite bands are black with silicate bands medium to dark green (grunerite). Silica bands are moderately hard, locally more qtz rich and lighter grey. Bands range anywhere from 3-10mm with silicate bands predominantly thicker. Moderately mineralized with 2-5% po and 0.5-2% py. Mineralization predominantly associated with magnetite layers, usually along outer margins. Abundant trace to 0.5% disseminated cpy associated with po; usually very fine. Layering at approx 30 deg tca. Sharp upper and lower contacts at 28-30 deg tca usually with associated slight increase in po. Not much for folding or deformation	IF					082	727.67	728.70	1.03	3	1.5			0.010						0.7
			IF						083	728.70	729.26	0.56	4	1.5			0.010						0.5
729.26	780.00	**VOLCANICS** Medium to dark green fine-grained locally medium-grained mafic volcanics. Relatively massive and unfractured. Slight compositional variations with some more feldspathic areas. Non-magnetic, moderate fabric at approx 42-45 deg tca. Relatively unmineralized except for top 1m with 2-3% pyrite nodules. Locally patchy biotite alteration, usually associated with darker green more amphibole rich sections. 717.40 - 755.08m: increase in biotite ranging from medium to strong as bands along regional fabric @ approx 33 deg tca. 751.84 - 752.34m: altered felsic zone with strongly sausseritized feldspar; biotite bands and local quartz veining; minor cpy	mv					084	729.26	730.36	1.10	-	2.5			0.013						0.1
			alt zone						085	751.84	752.14	0.30	-	4			0.005						0.6

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: N/A HOLE NO.: DL20-003

METERAGE		DESCRIPTION	ROCK	Alt'n Index				SAMPLES						ASSAYS							
FROM	TO		CODE	Carb	Alb	%Qtz	Ser	No.	FROM	TO	LENGTH	%Py	%Ars	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
		755.08 - 757.20m: Intermediate dike -fine to medium-grained, equigranular -irregular upper contact, sharp lower contact @ 34 deg tca -non-magnetic -brownish/grey -relatively unfractured 764.38 - 764.58m: altered felsic zone -sausseritized feldspars -strongly silicified -local quartz veining -4% pyrite																			

Printed: August-18-21

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Dona Lake	CLAIM NO.:	PAT-7479			DOWNHOLE SURVEY METHOD: Gyro	REMARKS: Started hole with one hex core barrel and long reamimg shell. Switched to double hex core barrels at 98m for better stabilization. Started 6m core tubes at 564m. Hole shutdown for Christmas break at 622.45m and resumed Jan 18, 2021.
HOLE NO.:	DL20-004	LENGTH (m):	681.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers/Don	
COORD SYSTEM:	UTM Nad 83 Zone 15	NORTHING:	5699825.000	EASTING:	702687.000	COLLAR SURVEY BY: Rig Aligner	
SECTION:	N/A	ZONE:	Main	ELEVATION (m):	395.500	DRILLING COMPANY: M3 Drilling	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	260. / -77.0	SURVEYED:	259.890 / -77.020	DATE LOGGED: Dec. 09, 2020 TO Jan. 22, 2021	Core Storage: On site
HOLE STARTED:	December 07, 2020	HOLE FINISHED:	January 20, 2021	MAG:	3.69º w	LOGGED BY: D.Heerema	Page 1 of 31

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	32.00	**OVERBURDEN** Downhole surveys.... @ 42m Azi 261.32, Dip -76.69 @96m Azi 263.59, Dip - 75.33 @189m Azi 266.48, Dip -73.76 @ 240m Azi 267.02, Dip -73.14 @ 291m Azi 268.25, Dip -72.73 @ 342m Azi 269.06, Dip -72.14																
32.00	53.06	**FELSIC/INTERMEDIATE DIKE** Blocky and well altered unit of aplite dike? Unit is very fine-grained and dark greyish/purple colour where not altered, hosting 2-5% white phenos; fairly silicous consisting of fine feldspar. Bleaching of the unit fairly pervasive with windows within the alteration showing darker fresher material. Alteration is bleaching the unit to a soft beige/pinkish hue with local yellow epidote and occasional fleck of green fuchsite. In places the rock resembles a rhyolite. Alteration as halos around tremendous fracturing/jointing and late qtz/carb structures. Overall, the unit is 75% altered and 25% fresher dark material. Well foliated from 25-40 deg tca. Non-magnetic. Finely disseminated pyrite over last 2m of unit in trace quantity. Last 50cm of unit a well hybridized section. 39.40 - 39.90m: fractured amphibolite																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-004

METERAGE FROM	METERAGE TO	DESCRIPTION	ROCK CODE	Alt'n
53.06	76.70	**VOLCANCICS** Fine-grained and foliated unit of what appear to be pillows. Thin and fairly irregularly oriented dark bands (<1.5cm) present that very likely represent pillow selvages. The rocks are deep green in colour and non-magnetic. Unit intruded by white crack seal qtz/carb wisps to stringers to veinlets from <1% to 40% locally. Orientation of these structures are generally in the range of 15-25 deg tca and unmineralized. Moderately competent core until last 2m where extremely fractured and blocky. 56.38 - 56.51m: light green amphibole (tremolite) altered shear hosting 5% laths of black hornblende, a 0.5cm boudened quartz veinlet and fine to coarse blebs of pyrrhotite (0.8cm) -orientation of the structure @ 35 deg tca -5% pyrrhotite 57.05 - 58.02m: amphibolite with tremendous biotite and gentle folding of stratigraphy. Well foliated starting at 50 deg tca then evidence of 2 folds; one at 57.45m and complementary fold in opposite direction at 57.65m before shallowing to 25 deg tca by base of structure. Approx 35% fine brown biotite in hairline bands parallel to foliation. Trace po +/- py within. Non-magnetic 58.70 - 59.55m: a section of parallel quartz, minor carb veinlets 0.3 - 1.3cm in thickness and 40% in abundance. Orientation at 20 deg tca. Barren structures. At 58.75m is a hairline fracture cutting perpendicular to quartz veinlets and hosts fine po + py.	vol	tremolite
			amph	30% biotite
			vol	30% qtz
76.70	110.65	**AMPHIBOLITE**		

SAMPLES No.	FROM	TO	LENGTH	%Py	%Ars	ASSAYS Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)	Co (%)	Zn (%)	Ag (ppm)
001	56.30	57.00	0.70	tr	1			0.002					0.1
002	57.00	58.27	1.27	tr	tr			0.013					0.1
003	58.27	59.60	1.33	tr	tr			0.006					0.1

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-004

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)

Tuffaceous volcanic well foliated and amphibolized with a stronger grittiness and shininess to minerals. Foliated from 5-30 deg tca. Approx 15% black hornblende grains causing a speckled tuffacous texture to ~87m where it changes to the pillow looking material with local dark bands as possible selvages to 101.70m. Below 101.70 is the speckled tuffacous material again. Pillow material slightly less foliated. Unit is moderate to strongly blocky to 85m as well as 100.70 to 101.30m. Strong presence of late qtz/carb wisps to stringers to 4cm veinlets. Local boudening of structures as well as localized areas of weak mylonitic textures. Biotite locally also. Rubbly lower contact.

80.90 - 81.06m: purplish hue of felsic dikelets healing a shear @ 35 deg tca

83.70 - 84.00m: brittle fault with bleaching of host volcanics to a lighter green colouration

100.70 - 101.30m: brittle reworked fault zone
-remnant quartz breccia veining showing evidence of older movement
-approx 35 deg tca

109.05 - 109.30m: irregular quartz veining
-mainly white quartz with 10% carbonate
-approx 65% interval is quartz material
-cut by micro-faults @ 80 deg tca showing displacement

110.65 127.15 **FELSIC DIKE**

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-004

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 portion to 112.60m is a fault zone shallow tca with breaks and calcareous stringers sub-parallel tca. 112.10 to 112.60m is gravel size angular material with 5% sand size material. Alteration is very strong as bleaching/albitization and cut by 10-15% thin creamy felds/carb stringers.
Below 112.60 the dike is rather heterogeneous with variable alteration, foliation and textures. Alteration is gradational with patchy windows of darker coloured dike with gradational pervasive bleaching/albitization to a soft beige colouration. Areas of strong porphyritic texture hosting 40% sub-euhedral creamy phenocrysts. Portions of the dike are very light beige and vary to pinkish/purple. Alteration strongest as halos around structures. Foliation intensity varies also from moderate to strong. Unit cut by late creamy white hard feldspathic stringers. May have been more than one pulse of magma.

116.63 - 116.75m: semi-transparent quartz vein @ 65 deg tca

119.60 - 119.76m: heavily fractured @ 45 deg tca
-fault?

120.50 - 120.90m: irregular white crack seal quartz veining
-approx 25% of interval is vein material from stringers to discontinuous veins 10cm thick

124.60 - 125.30m an interval of extreme silicification causing a pervasive yellow/beige/greenish colouration
-epidote + sericite alteration

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-004

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)
127.15	141.85	**HYBRID BRECCIA** This unit is composed of green amphibolite, brown biotite and pinkish/purple dike material with a brecciated texture. The matrix appears to be a fine white quartz-rich felsic material between elongate and rounded dike and amphibolite material. The unit is variable with areas more matrix rich and poor. The dike clast material is pink/purplish silicous aplite diking like above with sharp contacts. Along with the rounded nature of the dike material are rounded to elongate biotite-rich amphibolite was fine dark brown inclusions and dark green amphibolite bands/ribbons. The entire unit is foliated from 20-55 deg tca and the clasts are elongate parallel to foliation. Sulphides present as fine disseminations of pyrite found mainly within or adjacent to biotite-rich clasts. Trace to weak pyrrhotite. Overall sulphides average <0.25% throughout. 133.57 - 133.62m: white semi-translucent qtz vein @ 83 deg tca -fracture controlled pyrite within vein 140.25 - 140.45m: shear @ 42 deg tca with a mylonitic texture 141.35 - 141.50m: fault @ 53 deg tca -tremendous fracturing was a remnant 3cm gouge seam -fine disseminated pyrite within gouge	bx		004	127.15	128.00	0.85	tr	tr			0.007					0.1
			bx		005	128.00	129.00	1.00	tr	tr			0.015					0.1
			bx		006	129.00	130.00	1.00	tr	tr			0.021					0.1
			bx		007	130.00	131.00	1.00	tr	tr			0.006					0.1
			bx		008	131.00	132.00	1.00	tr	tr			0.009					0.1
			bx		009	132.00	133.00	1.00	tr	tr			0.006					0.1
			bx		010	133.00	134.00	1.00	0.25	tr			0.002					0.1
			bx		011	134.00	135.00	1.00	0.25	tr			0.002					0.1
			bx		012	135.00	136.00	1.00	tr	-			0.002					0.1
			bx		013	136.00	137.00	1.00	tr	0.25			0.002					0.1
			bx		014	137.00	138.00	1.00	0.25	tr			0.002					0.1
			bx		015	138.00	139.00	1.00	tr	tr			0.002					0.1
			Blank		016	139.00	139.00	0.00					0.002					0.1
			bx		017	139.00	140.00	1.00	0.25	tr			0.002					0.1
			bx		018	140.00	141.00	1.00	<0.5	0.25			0.002					0.2
			bx		019	141.00	141.85	0.85	tr	tr			0.002					0.3
141.85	147.40	**VOLCANICS** Deep green, moderately to strongly foliated locally. Thin dark bands of amphiboles locally that resemble pillow selvages. Unit intruded heavily by crack seal quartz structures from hairline to 4mm veinlets. Local small scale breccias with quartz matrix hosting angular shards of volcanics. Non-magnetic. Biotite alteration in last 20cm of unit.																	

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-004

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)
147.40	159.20	**PORPHYRY DIKE** Massive, unfoliated, homogenous unit of dark grey coloured dike host to 30-35% white phenocrysts. Very competent non-magnetic. Composed of approx 45% black biotite, 35% phenocrysts and 20% fine dark plag. Few thin qtz/carb stringers. Sharp upper contact @ 25 deg tca. 147.48m: 3cm quartz veining @ 25 deg tca -crenulated sericite stringers along contacts	F.Dk		020	158.20	159.20	1.00	tr	-			0.058					0.3
159.20	160.25	**MINERALIZED ZONE** Well foliated section of volcanics with dark amphiboles and strong quartz flooding. Associated with the flooding is the strong presence of sulphides and moderate magnetite. Foliation strong @ 60-62 deg tca showing boudenaged quartz and weak mylonitic texture. Fine dark amphiboles now forming more banded appearance. Approx 25% semi-transparent quartz throughout from mm to 10cm in widths. Magnetite as dark grey sub-euhedral blades in amphibole; moderate magnetism locally. Sulphides average 2-3% overall and found as small blebs to weak stringers of pyrite and pyrrhotite at approx 1:2. Sulphides also within amphibole wisps to bands.	min z		021	159.20	160.25	1.05	1	2			0.248					0.1

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-004

METERAGE FROM	METERAGE TO	DESCRIPTION
160.25	205.10	**MAFIC TUFF** Dark green, fairly massive unit of competent volcanics with a weak to moderate speckled tuffaceous texture. Only locally foliated, and where foliated often biotite altered. Parts of the unit are fine-grained and textureless. Unit very competent with exception of local areas as noted below. Abundant white crack sealed quartz/carb through ranging from 2% to 25% over 1m. Local areas of small scale brecciation. Structures generally 65 deg tca. Non-magnetic. 162.60 - 163.60m: area of pervasive biotite alteration of 20% -minor py and po from 162.20 to 162.35m. 176.30 - 177.30m: area of pervasive biotite alteration of 20% -weak py + po -small scale crenulations in quartz/carb stringers From 183.50 to 201.66m is a section of volcanics like above that has been overprinted by disseminated pyrite mineralization. Still green amphibolite altered, but cut by different late quartz veinlets with very fine light green sericite/epidote alteration halos not seen above. Breccia from 183.25 to 185.05m composed of fine green cement matrix host to small angular shards of host volcanics. The interval has disseminated pyrite from dust-like grains to 1mm euhederal cubes averaging approximately 5% throughout. Sulphides present in host volcanics, fine breccia matrix cement as well as some late quartz veinlets. 193..70 to 197.10m is a very blocky section with pitting; dissolved minerals; not a fault per say but ground water movement along a highly fractured zone

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)
vol		022	160.25	161.25	1.00	tr	-			0.002					1.2
vol		023	183.50	184.50	1.00	3.5	-			0.002					0.2
vol		024	184.50	185.50	1.00	5	-			0.005					0.1
vol		025	185.50	186.50	1.00	5.5	-			0.002					0.1
vol		026	186.50	187.50	1.00	2.5	-			0.006					0.1
vol		027	187.50	188.50	1.00	3	-			0.008					0.1
Standard		028	188.50	188.50	0.00					3.960					0.2
vol		029	188.50	189.50	1.00	3.5	-			0.002					0.1
vol		030	189.50	190.50	1.00	5	-			0.002					0.1
vol		031	190.50	191.50	1.00	1.5	-			0.006					0.1
vol		032	191.50	192.50	1.00	5	-			0.011					0.1
vol		033	192.50	193.50	1.00	6	-			0.011					0.1
vol		034	193.50	194.50	1.00	2	-			0.012					0.1
vol		035	194.50	195.50	1.00	4	-			0.013					0.1
vol		036	195.50	196.50	1.00	0.5	-			0.002					0.1
vol		037	196.50	197.50	1.00	4	-			0.006					0.1
Blank		038	197.50	197.50	0.00					0.002					0.1
vol		039	197.50	198.50	1.00	7	-			0.002					0.1
vol		040	198.50	199.50	1.00	6	-			0.006					0.3
vol		041	199.50	200.50	1.00	3	-			0.006					0.1
vol		042	200.50	201.66	1.16	4	-			0.005					0.2
qtz		043	201.66	202.37	0.71	-	-			0.002					0.2
vol		044	204.00	204.85	0.85	7	-			0.005					0.1

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-004

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)
		201.66 - 202.37m: bull white quartz vein -upper contact @ 80 deg tca -lower contact @ 50 deg tca 204.00 - 204.14m: healed shear @ 80 deg tca 204.14 - 205.05m: slightly finer-grained with weak biotite alteration and overprinting of disseminated pyrite at approx 3% 205.85 - 205.97m: bull white quartz vein -upper and lower contacts @ 80 and 45 respectively Standard HGS3 used for sample 028.																	
205.10	216.40	**VOLCANICS** Fine-grained and fairly massive with occasional patchy foliation. Unit is deep green with very patchy and very fine-grained light green to cream coloured alteration; bleaching (white micas + carb+ tremolite?); both gradational and sharper contacts to alteration. Area of pervasive alteration over 30cm to thin 1cm veinlets to more gradational alteration halos abutting fractures. This alteration is associated with fractures and quartz stringers/veinlets. Local biotite found as thin bands in the foliated sections. The unit itself has the characteristics of pillowed basalts. Competent and locally magnetic where po is present. Sulphides consist of localized sections hosting disseminated pyrite and pyrrhotite blebs to 4% over short 10-26cm intervals. The po blebs reach 1mm and the pyrite is generally finer. 207.21 - 207.27m: bull quartz vein @ 62 deg tca 209.00m: irregular quartz flooding; 4cm true width	vol		045	205.95	207.30	1.35	2	2			0.010					0.2
			vol		046	207.30	208.30	1.00	tr	1			0.010					0.3
			vol		047	208.30	209.30	1.00	tr	2			0.006					0.1
			vol		048	209.30	209.70	0.40	tr	2			0.008					0.2

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-004

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)
		-black tourmaline along lower contact 209.50 - 209.64m: white quartz flooding of approx 60% hosting 5% black needle to tabular laths of tourmaline, 2% angular growths of white feldspar, minor orange k-spar, green chlorite and 8% clotty po + py. Irregular po clots to 1.5cm in size with minor pyrite -general orientation of approx 40 deg tca and a rough true width of 5cm																
216.40	221.96	**AMPHIBOLITE/TUFF** Moderate green colouration as a result of more tremolite alteration with darker amph grains causing a more speckled appearance. Could be a metamorphic texture versus a volcanic texture. Well foliated @ 35-40 deg tca. Approx 1-2% fine white quartz/felds specks stretched parallel to foliation. Fine biotite throughout also to 15%. Occasional biotite band to 1cm thick. Slight coarsening of amphiboles over upper 10cm. Lower contact sees ductile deformation in the form of a shear from 221.30 to 221.96m @ 20 deg tca. Crenulations and weak mylonitic texture over the lower 15cm.																
221.96	269.45	**VOLCANICS** Similar the unit above the amphibolite/tuff unit. Very fine to fine-grained and dark green/black with patchy bleaching/alteration to very fine pale green/cream colour. Local small scale breccias composed of fine pale green cement hosting sub-rounded to rounded clasts. The unit resembles that of pillows; especially from 229.50 to 233.40m where very fine chill margins (selvages) are evident with slightly coarser centers with amygdules filled by cream felds/quartz.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-004

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)

Sulphides present locally as finely disseminated grains from dust-like to 0.5mm. Strongest mineralization between 229.50 and 233.40 at approx 1-1.5%.

222.18 - 222.82m: well foliated with moderate biotite alteration
-evidence of ductile deformation in the form gentle folding about felsic diking
-small pod of felsic diking at 222.25 that the drillhole nicked
-222.60m: 2-4cm veinlet of felsic diking at approx 30 deg tca that has been cross-cut and shows minor displacement
-this sub unit is bound on each side by 5cm quartz/carb veinlets @ 60 deg tca.

Below 233.40 to 236.00m is a very foliated portion with slightly larger amphiboles are sections that are now weakly gneissic (234.70 - 235.30)m.
236.00m to 239.90m is a section with numerous small scale breccia zones 10-15cm wide containing quartz/carb matrix and angular to sub-angular vol clasts. Between the breccias are fine-grained rather massive volcanics.
239.90 to 240.50m is a foliated and biotite altered section @ 45 deg tca; weak banding and intruded by late folded quartz carb veinlets to 1cm in width. Strongest evidence of deformation at 240.18m. Upper contact sharp at thin quartz veinlet and lower contact with a more massive biotite altered section.
240.50 to 241.97m is a massive section of volcanics with strong biotite overprinting. Coarse biotite to 2mm disseminated throughout at approx 15%. Fine white quartz/carb porphroblasts throughout at 15%; has a gabbroic appearance; gradational lower contact; non-magnetic.

From 241.97 to 263.90m is the typical fine-grained volcanics intruded by fairly abundant white quartz/carb crack seal material to 20% locally and generally 50-55 deg tca. Host volcanics are

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 massive with localized foliation.

From 263.90 to 259.40m is foliated and has essentially no crack seal quartz/carb material as above. A few weakly boudened quartz veinlets parallel to foliation @ 45 deg tca

Starting around 259.40 to 269.45m is a section of fine to almost medium-grained massive volcanics cut by very few quartz/felds veinlets. Competent core and non-magnetic.

266.60 - 266.76m: quartz veining with irregular contacts
-cut by thin grey quartz stringer and pyrite

269.34 - 269.44m: quartz healed shear @ 55 deg tca
-boudined quartz veinlets with minor orange k-spar
-lower contact of the shear cross-cut by younger mafic dike

269.45 295.40 **DIABASE**

Massive, fine to medium-grained pervasively magnetic dike. Dark grey in colour with a slight coarsening of grain size in the center. Classic intrusive texture. Contacts show great chill margins of 1-3cm dark grey obsidian followed by aphanitic light grey diking the gradationally coarsens away from the contacts for approx 1.5m.
Well jointed with joints @ 60, 30 and 20 deg tca. Contacts @ 32 deg tca.

Blocky section from 271.50 to 272.80m that could be driller induced

295.40 314.48 **VOLCANICS**

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)
		Fine-grained pillow volcanics with thin darker bands with slight coarsening of amphiboles (selvages) between fine-grained massive pillows. Unit is green as expected cut by weak to moderate crack seal type quartz/carb. Local foliation. Disseminated pyrite from 303.50 to 307.00m averaging 1-2%. Competent and non-magnetic. 311.17 - 311.28m: quartz vein @ 23 deg tca -true width of 5cm -fine grained recrystallized quartz																
314.48	316.30	**PORPHYRY DIKE** Gritty dike consisting of approx 25% hornblende, 40% fine feldspar +/- quartz and 35% white feldspar phenocrysts. Phenos range from 1mm to 4mm in diameter; generally rounded in shape. Unit has a weak foliation. Dike is purplish/grey in colour with sections of bleaching as halos bordering occasional quartz veinlet. Finely disseminated pyrite throughout at 0.25%. Pyrite also evident in late quartz structures. Fairly gradational upper contact but sharp lower contact @ 47 deg tca																
316.30	340.40	**VOLCANICS** First 47cm of unit is foliated with bands of brown biotite from 3mm to 2cm in width. Below this, the unit becomes a very fine to fine-grained green non-magnetic basalt that shows weak brecciation locally as more of an alteration affect then tectonic. Ghostly paler green oval shaped objects like olives on a branch seen locally. Contacts fairly diffuse. Very occasional narrow 10-15cm section with cream coloured amygdules? Unit still	vol		049	339.00	340.40	1.40	2	-			0.006					0.4

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)
		contains characteristics of pillows locally. Some irregular fine-grained recrystallized quartz veins. 319.70 - 319.74m, 320.58 - 320.62m, 321.70 - 321.83m, 322.47 - 322.51m and 323.04 - 323.14m: quartz structures 330.10 to 333.90m is a section of foliated amphibolite with local banding of biotite as well as narrow sections of pervasive biotite alteration; 330.10 - 330.17m and 331.70 to 331.87m. Biotite growth to 5mm. Foliation @ 55-60 deg tca 330.03 - 330.20m: 70% quartz veining 333.50 - 333.70m: aphanitic felsic dike @ 25 deg tca -sharp wavy contacts with mm-scale bleached chill margins -aphanitic buff homogenous grey hosting trace pyrite -non-magnetic 334.05 - 334.35m: section of pervasive biotite alteration to 75% along with 3% disseminated pyrite to 3mm in diameter. Below 331.4om the volcanics contain pyrite from trace to 2% locally as anhedral to subhedral disseminations reaching 2mm in diameter. Pyrite appears in volcanics as well as late structures all the same like an overprinting.																
340.40	345.36	**INTERMEDIATE DIKE** Fine-grained homogenous unit consisting of 35% fine hornblende, 52% feldspars and 8% disseminated pyrite. Unit has a grey/pinkish hue and is weakly, locally foliated. Unit cut by thin 1-7mm quartz stringer/veinlets generally at shallow angles tca (20 deg). Averages 3 quartz structures/meter. Disseminated pyrite throughout as dust size grains to 0.5mm	I.Dk		050	340.40	342.00	1.60	8	-			0.037					0.3

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)
		subhedral cubes. Sharp contacts @ 40 deg tca																
345.36	396.08	**VOLCANICS (PILLOWED)** Deep green amphibole altered mafic volcanics ranging from massive to areas of weak to moderate foliation. Throughout the unit are what appear to be amphibolized pillow selvages and even rarer amygdules (ie 358m, 361m and 373.5m). White crack seal quartz material from 2-10% over 1m intervals; some showing deformation as folds (349.27m and 355.20m). Local small breccias evident also with quartz/carb veinlets hosting angular shards. A section from 365.05 to 368.40m is slightly coarser-grained with a weak foliation and may represent a separate flow. Weak banding and coarser amphiboles over upper 0.5m. Moderate to gradational contacts.																
396.08	400.10	**INTERMEDIATE/FELSIC DIKE** Heterogeneous alteration, texture and colour, consisting of very fine to fine-grained biotite, feldspar and quartz. The dike has a purplish/grey colouration in the more silicous/felsic sections that gradationally darkens and increases in biotite content to approx 45%. Alteration shows bleaching to very fine white mica over upper 0.60m abounding a break. Alteration further down as locally moderately pervasive pinkish. Very fine-grained and thin alteration halos at cross-cutting quartz veinlets and stringers. 397.14 - 397.22m: healed shear @ 45 deg tca -contains weakly boudened quartz/carb veinlets with fine green chlorite and trace pyrite																

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)

398.00 - 398.40m: volcanics

400.10 406.30 **VOLCANICS**

Deep green with stronger amphibolization between dikes that pillows above. Fine to locally medium-grained. Weakly foliated. Coarser amphiboles over last 0.7m to 3mm grains. Trace pyrite.

403.55 - 403.73m: healed shear @ 40 deg tca
-1.3cm quartz vein at upper contact with trace pyrite
-dark foliated/crenulated with minor quartz flooding/green chlorite and fine disseminated pyrite

406.30 409.45 **FELSIC/INTERMEDIATE DIKE**

Similar in colour to dike above with a purplish/pink/grey colouration except this dike contains discernable white phenocrysts below 407.75m from 1-8%. Local bleaching with minor green chlorite as well as patchy pink potassic alteration. Typical thin alteration halos cutting the dike bordering very thin quartz/carb stringers. Very little in the way of mafic minerals. Dark feldspars. Dike not massive, but weakly foliated. Sharp contacts @ 58 deg tca

409.45 417.20 **VOLCANICS**

Fairly massive and relatively textureless and far less amphibole altered than between the dikes. Moderate to deep green colouration with paler green alteration below 414.30m associated with structures. Massive flow?

411.98 - 412.72m: felsic/intermediate dike like above

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)
		-dark grey/purplish colour, very fine-grained hosting approx 15% white subhedral phenocrysts -local pink potassic alt as well as local bleaching to cream/greenish colour 416.10 - 416.35m: 20% irregular white quartz/carb veinlets -thin 1mm to 3cm in thickness -associated bleaching/tremolite pale green alteration																
417.20	418.05	**FELSIC DIKE** Pervasive reddish/pink coloured well foliated dike with apparent 2-3% phenocrysts elongated parallel to foliation @ 45 deg tca. Resembles a foliated pink granite. 5-6% fine wispy mafics as hornblende. Unit cut by thin hairline calcareous stringers. Sharp upper contact @ 33 deg tca. Brecciated lower contact consisting of quartz/carb veining hosting angular shards of dike material. Non-magnetic.																
418.05	518.90	**VOLCANICS** Upper section from 418.05 to approx 430.70m is a massive fine-grained flow with a fine-grained gabbroic texture. Deep green in colour, equigranular and homogenous with very few quartz/carb structures. 427.45 - 427.80m: shear @ 45 deg tca -20% quartz flooding Below 430.70m the unit still remains massive with local areas of weak to moderate foliated. Greater abundance of crack seal type white quartz/carb veinlets from 2-10% over a meter to 443 before decreasing in abundance to 1-2% to 508.5m. Slight																

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)

increase in crack seal quartz material below 508.5m to 4-7%. Random orientations and local small scale breccias. Slightly more in areas of greater foliation; generally parallel to foliation. Unit quite competent with very few breaks. Foliated areas generally have slightly coarser amphibole growth.

437.40m: late 2-3cm quartz vein with soft mint green chlorite within and very fine grained yellow epidote along contacts
-clotty pyrite

438.21m: 2cm quartz vein with soft mint green chlorite within and yellow epidote along contacts

440.68m: 0.5-1.0cm white quartz veinlet with minor carbonate and clotty yellow/green epidote

450.60 - 450.88m: brittle fracturing with minor quartz/carb veinlets
-weak gouge along fracture faces

456.08 - 456.23m: cherty style quartz/chlorite veining @ 47 deg tca hosting trace pyrite
-adjacent to veining is coarser amphibole growth with biotite and minor po + py

Beginning at 459.50m to 518.90m is evidence of pillows as thin dark amphibolized pillow selvages appear as well as patches of creamy white amygdules. Fine-grained and generally somewhat textureless. Slightly paler green amph/chl alteration in close proximity to occasional quartz/carb veinlets. Non-magnetic.

498.30 - 499.10m: more abundant coarse amphiboles with deformation in the form of folded quartz/carb veinlets

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)
		-shallower foliation @ 5-20 deg tca 506.37 - 506.84m: area of stronger quartz/carb material at 60% as veinlets from 1-4cm in width -local tectonic brecciation with shards parallel to veining @ 50 deg tca 512.14m: 1cm epidote vein with minor quartz and orange k-spar 516.50m: two 3mm pink-orange k-spar veinlets @ 50 deg tca																
518.90	525.60	**FAULT ZONE** Well fractured and brecciated section that represents a healed fault zone as well as some reworking. Brecciated sections contain fine chlorite/quartz/carb cement hosting angular to sub-angular host volcanics. Very shallow core angles to thin anastomosing quartz/carb stringers. Host volcanics are slightly softer and bluish hue than typical volcanics here. Irregular quartz veins show clotty green/yellow epidote and very local k-spar. Patchy pyrite as blebs from 1mm to euhedral cubic blebs to 4mm in diameter.																
525.60	552.33	**VOLCANICS** Fine-grained pillowed basalts with a massive texture with thin dark irregular selvages. Local somewhat ghostly diffuse amygdules. Very blocky throughout with relatively few quartz/carb structures. Most quartz/carb veinlets are 3-6cm in width and appear as extensional veins. Occasional pyrite with quartz/carb veinlets. Non-magnetic.																

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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)
		540.00 - 540.12m: ductile shear @ 35 deg tca -45% semi-transparent to bluish boudened quartz Foliation present from 547.00 to ??? With bands of brown biotite and blockiness. 548.57 - 548.67m: semi-transparent to white qtz vein with weak green chloritized contacts and trace k-spar -extensional vein 548.80 - 549.40m: extremely blocky																
552.33	554.10	**FELSIC DIKE** Foliated, fine-grained dike with a variable purplish to orange colouration from potassium feldspars. Orange potassic alteration as pervasive halos associated with late quartz/carb veinlets. Rather competent with 4 breaks. Non-magnetic. Cut by late quartz veinlet 1-3.5cm in width sub-parallel tca showing some pinch and swell. Minor white carbonate along contacts. Sharp contacts @ 35 deg tca.																
554.10	565.80	**VOLCANICS** Rocks consist of amphibole alteration from fine-grained massive to moderately foliated and slightly coarser-grained to more schistose patches with biotite alteration bands. Strongest biotite over last 1.4m of the unit adjacent to a iron formation. Well fractured unit cut by 1-3% quartz/carb stringers and veinlets to 5cm; generally oriented @ 50-55 deg tca. Occasional k-spar within narrower quartz/carb stringers.	vol		051	564.80	565.80	1.00	tr	-			0.011					1.7

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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)
565.80	572.15	**IRON FORMATION (UPPER)** Very finely bedded unit of dark grey to black argillitic material with cherty bands. Bedding ranging from <0.5mm to 2cm. Orientation of bedding from 45 to 55 deg tca and showing deformation as small scale crenulations and tight isoclinal folds (i.e 570.04m). Unit overall is approximately 65% argillitic material and 35% chert. Cherty sections are buff grey/white to soft green coloured. Alteration in the form of fine green amphiboles and pyrrhotite. Amphiboles locally form very thin wisps to bands as well as slightly more pervasive alteration from 570.25 -570.40m. Magnetite present as very thin bands. Graphite common in darker argillitic sections; especially over last 1.10m of the unit. Euhedral garnets at 567.50m. Pyrrhotite and minor pyrite throughout generally associated with dark argillitic sections and amphiboles. Sulphides range from fine grains to coarser blebs to weak irregular stringers and overall constitute approx 7% of unit. Po:py ratio of approx 10:1. 566.36 to 566.95m: felsic dike -fine-grained -hairline fractures with small alteration halos Standard HGS3 used for sample 054	IF	weak amph, strong po	052	565.80	566.36	0.56	0.5	13	0.024							0.1
			F.Dk		053	566.36	566.95	0.59	-	-	0.006							0.9
			Standard		054	566.95	566.95	0.00			4.170							0.1
			IF	minor amph, garnets	055	566.95	568.00	1.05	tr	2	0.745							0.1
			IF	moderate amph, po	056	568.00	569.00	1.00	0.5	4	0.301							0.5
			IF	weak amph, strong po	057	569.00	570.00	1.00	1	10	0.030							0.7
			Blank		058	570.00	570.00	0.00			0.002							1.0
			IF	moderate amph and po	059	570.00	571.00	1.00	1	5	0.018							0.1
			IF	graphite, weak amph	060	571.00	572.15	1.15	0.5	3	0.031							0.8
572.15	576.50	**AMPHIBOLITE** Unit starts off as foliated and locally schistose with strong biotite to 574.75m before the presence of creamy amygdules to 576.50m.	amph		061	572.15	273.15	-299.00	-	-	0.013							1.0

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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)
576.50	593.20	**AMPHIBOLE PHYRIC GABBRO** Rather homogenous unit of dark green melanocratic gabbro consisting of fine to medium-grained groundmass hosting coarser-grained amphiboles to 1cm in length resulting in a pyroxenitic appearance. Weak pervasive magnetism. Cut by very occasional quartz/carb veinlet. Competent with few breaks. Biotite alteration appears at 590.70m to base of unit as not bands but more pervasive to 50% locally. Fine pyrite mineralization present here also.	gab		062	592.20	593.20	1.00	0.25	-			0.009					0.1
593.20	620.14	**IRON FORMATION (MAIN)** Unit is quite heterogeneous with a cherty section to start, followed by a well bedded/banded magnetite, amphibole and chert followed by a more chaotic/brecciated section of amphibole/pyrrhotite alteration. Very blocky upper section to approx 596.50m with ground core. Start of unit to 594.70m is extremely cherty at 85% hosting 10% pyrrhotite and 5% green amphiboles. Chert is white to grey and exhibits folding from 593.80 - 594.15m. Bedding ranges from 40-55 deg tca. Alteration as fine green amphibole bands but mainly as pyrrhotite from clots to stringers to semi-massive bands to 22cm in drilled width. Weak folds at end of unit. Thin hairline slip plane evident at base of interval parallel to fold axis with mm-scale offsetting of banding. 594.70 - 595.20m: felsic dike @ 55 deg tca 595.20 - 595.80 argillitic upper 28cm with graphite and disseminated to semi-massive pyrrhotite at 20% followed by cherty section with fine green amphibolite and minor pyrrhotite	IF	weak amph, strong po	063	593.20	594.00	0.80	tr	12			0.158					0.1
			IF	weak amph, strong po	064	594.00	594.70	0.70	tr	12			1.670					1.2
			F.Dk		065	594.70	595.20	0.50	-	-			0.121					1.2
			IF	graphite, mod amph	066	595.20	595.80	0.60	tr	10			0.079					0.1
			F.Dk		067	595.80	596.45	0.65	-	-			0.028					0.7
			IF	mod amph, garnets	068	596.45	597.35	0.90	tr	3			0.133					0.1
			IF	strong amph, garnets	069	597.35	598.35	1.00	tr	0.5			2.990					0.3
			IF	strong amph	070	598.35	599.35	1.00	tr	0.25			0.760					0.4
			IF	strong amph, garnets	071	599.35	600.35	1.00	tr	0.5			0.400					0.4
			IF/FLT	strong chlorte	072	600.35	601.30	0.95	tr	13			1.880					0.4
			IF	mod amph, strong po	073	601.30	602.30	1.00	0.5	9			0.137					0.6
			Blank		074	602.30	602.30	0.00					0.002					0.5
			IF	mod amph, strong po	075	602.30	603.30	1.00	0.5	20			0.080					0.1
			IF	strong amph, garnets	076	603.30	604.43	1.13	tr	4			0.196					0.8
			wacke		077	604.43	604.96	0.53	-	-			0.053					0.5
			IF	strong amph, garnets	078	604.96	605.80	0.84	tr	4			0.950					0.1
			wacke		079	605.80	607.25	1.45	tr	-			0.017					0.3
			IF	strong amph	080	607.25	608.25	1.00	tr	0.5			0.990					0.1
			IF	strong amph, mod po	081	608.25	609.25	1.00	tr	2.5			4.140					0.3
			IF	strong amph and po	082	609.25	610.25	1.00	0.5	12			12.300					0.6
			IF	strong amph and po	083	610.25	611.20	0.95	0.5	7			8.350					1.5
			wacke		084	611.20	611.65	0.45	-	-			1.300					8.2

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-004

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)
		595.80 - 596.45m: felsic dike -both contacts in rubble From 596.45 to 600.35m is a section of well banded magnetite/amphibole and dark grey chert. Pretty consistent banding throughout with 0.4-1cm chert bands with finer 1-3mm bands of magnetite+amphiboles or amphibole bands. Banding @ 50 deg tca with distinct layers from grey to dark grey and pale green to yellowish. Amphiboles generally at contacts of magnetite/chert forming narrow buffer like bands between the two. Local 1-4cm bands of black amphiboles and garnets to 3mm in diameter. Pyrrhotite mineralization as trace to 0.5% in association with magnetite/amphibole bands. From 600.35 to 600.52m is a dark grey wacke 600.52 to 601.30m: healed shear/fault zone consisting of pieces of massive wacke within a brilliant green chlorite + quartz matrix. Chlorite is a brilliant deep green in association with grey to white quartz flooding with some boudinaging and porphyroblastic textures. Chlorite pervasive over upper 6cm with shards of quartz material. Chlorite thereafter as irregular seams and knots and 45% overall. Quartz 45% with approx 10% pyrrhotite as clots to irregular stringers and wisps seen wrapping around and between quartz material. Rubbly lower contact. From 601.30 to 604.43m is a unit of chert and pyrrhotite with moderate amphibole and garnet. Banding different from above with wider chert bands and higher sulphides vs amphiboles. Chert banding from 1-4cm in width containing wispy to thin local bands of green/yellowish amphiboles. Chert is grey to off-white in colour with a hint of chloritization green locally. Banding from 55-60 deg tca at start to 35 deg tca by 602.30m and steepens to	IF	very strong po	085	611.65	612.75	1.10	1	50	7.490							0.1
			Standard		086	612.75	612.75	0.00			1.520							0.7
			IF	strong amph, garnets	087	612.75	613.90	1.15	tr	0.25	0.959							4.7
			IF	moderate amph	088	613.90	615.00	1.10	tr	0.5	0.391							0.4
			IF	moderate amph	089	615.00	616.00	1.00	tr	0.5	0.720							0.2
			IF	mod-str amph	090	616.00	617.00	1.00	tr	tr	0.710							0.3
			IF	strong amph and po	091	617.00	618.00	1.00	0.5	6	3.220							0.3
			IF	strong amph, mod po	092	618.00	619.00	1.00	0.5	9	2.360							0.6
			IF	strong amph	093	619.00	620.14	1.14	tr	2.5	0.630							1.3

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-004

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)

50-55 deg tca by base of this subunit. Deformation as crenulations over last 50cm of unit with strongest garnet growth with black amphiboles.
Pyrrhotite abundant throughout ranging from fine interstitial growths in amphibole to thin irregular stringers to semi-massive bands from 4mm to 30cm. Sulphides overall have a stronger sense of flow type/schistose type textures wrapping around deformed chert bands etc. Overall average of approximately 15% with local sections to 50% (ie. 602.45 - 602.75m). Strong decrease in sulphides in association with garnets.

604.43 to 604.96m: massive wacke
-well fractured (likely driller induced)

From 604.96 to 605.80m is a well banded unit of chert and green amphiboles with some fine magnetite bands 1-2mm thick. Cherty upper half before becoming a more pervasive greenish colour with thin grey magnetite bands. Overall magnetite content of approx 5%. Garnets present over upper 22cm. Pyrrhotite mineralization is relatively weak as thin wisps to stringers.

605.80 - 607.25m: wacke/dike with moderate contacts and generally textureless. Weakly foliated. Blocky

From 607.25 to 612.75m is a moderately to well banded section consisting of abundant amphiboles, weak magnetite and dark chert. In places, original banding is overprinted by amphiboles. From 207.26 - 207.50m shows great evidence of fine crenulated bands. Pyrrhotite mineralization as wispy to thin stringers amongst amphiboles, greater than 1% in abundance beginning at 608.35m. Pyrrhotite increasing gradationally downhole to semi-massive at approximately 65% from 612.10 to 612.75m where the sulphides drop out almost immediately to

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-004

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)

trace quantity. Gritty metamorphosed texture to sulphides seen wrapping around dark amphiboles locally.

611.20 - 611.65m: dark wacke/dike

From 612.75 to 617.10m is a section of iron formation with more discernable banding magnetite bands within amphibole and dark grey chert bands. The unit is a dark grey/green colouration with bands magnetite bands ranging from <1mm to 1cm in thickness. Amphiboles are pale to dark green/black. Bedding/banding angles vary slightly starting at 40 deg shallowing to 20 deg adjacent to a fault at 614.60m and then steepening again to 50 deg tca by 615.00m. Crenulations and local mylonitic textures. Banding cross-cut by hairline calcareous structures showing mm-scale offsetting of bands best seen at 615.22m (90 deg to bedding) and 616.35 to 616.56m (sub-parallel tca). Pyrrhotite mineralization throughout averaging 0.5-1% as wisps to occasional stringers.

614.00 - 614.56m: healed fault zone @ 15 deg tca
-structure consists of very fine quartz/felds cement and 6cm raft of softer chloritized volcanic to 614.30m; below 614.30m is a quartz veining containing some small angular shards as well as long ribbons of chlorite and amphiboles
-recrystallized white quartz
-structure cuts across and truncated iron formation banding and may have resulted in drag folding as seen by sudden shallowing of banding adjacent to the fault

Used standard CDN-CM-2 for sample 086

From 617.10 - 620.14m is another section of iron formation with strong amphibole and pyrrhotite alteration over printing original bedding to a very high degree. Dark grey/green colour with

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-004

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)
		local bands and discontinuous bands of black amphiboles that do not have mineralization within. Fine chert bands are now a dull grey colour and hard to identify amongst the alteration. Pyrrhotite as wisps to fine irregular stringers forming areas of sulphide concentrations to 20-25% over 20cm intervals. Lower contact rather diffuse with adjacent hybridized unit.																
620.14	622.70	**GREYWACKE** Altered wacke unit of moderate amphibole and locally potassic alteration causing patchy greenish and orange colouration to an otherwise dull grey/brown textureless rock. Amphibole altered over upper 40cm before more carbonate altered for 20cm. Late quartz structures as stringers and narrow veinlets cut the unit from 620.84 to 621.25m. Very thin hairline stringers @ 60 deg tca and a 3mm extensional quartz/carb veinlet sub-parallel tca. Associated with these structures is the potassic as halos. 622.14 - 622.24m: deep green amphibolite	wacke		094	620.14	621.40	1.26	-	-			0.008					0.8
			wacke		095	621.40	622.70	1.30	-	-			0.006					
622.70	623.97	**IRON FORMATION** Dark fine-grained section containing locally coarser amphiboles. Pyrrhotite mineralization as stringers to semi-massive (45%) between 623.30 and 623.65m. A section from 623.65 to 623.97m contains rhythmic magnetite-amphibole-chert banding showing strong deformation as folds and kinks. Multiple, very thin, late micro-faults parallel tca show mm-scale offsets of banding. Weak 0.5% po over this interval.	IF		096	622.70	623.97	1.27	tr	2			0.060					
			Blank		097	623.97	623.97	0.00					0.002					
623.97	633.30	**MAFIC TUFF**	mc		098	623.97	625.00	1.03	-	-			0.033					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-004

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)
		Dark green unit with weak to moderate foliation hosting 20% darker and slightly coarser amphibole grains causing the tuffacous texture. Moderately blocky. Occasional white qtz/carb/felds veinlet with clotty orange k-spar. Hairline slips sub-parallel tca at 629.58m that cut and off-set thin k-spar stringers by 4mm. Rock unit continues past the lower contact into a fault zone.																
633.30	646.80	**FAULT ZONE** Extremely blocky and ground up fault containing volcanics and felsic porphyry. Local sections of this fault are comprised of core lengths >20cm. Much of the material is angular and not exceeding 5cm in length. Volcanics to approx 637m. From 637.00 to 641.70m is a reddish-grey porphyritic dike with 10-15% phenocrysts. Very silicous and finer-grained upper section to 639m, badly broken up hosting what are now shards of white quartz veining. Fracture controlled pyrite here. From 641.70m to the bottom of fault interval are volcanics exhibiting stronger foliation/shearing and local mylonitic fabrics. Lighter green amphiboles (actinolite?) present in areas of stronger deformation. In the areas of mylonitic fabric; around 643 to 647m contains 5-10% dark quartz flooding with associated pyritization with weak po and local banding (resembling a possible IF raft).	flt		099	643.00	645.00	2.00	4	0.25			0.053					
646.80	648.48	**VOLCANICS** Deep green amphibolized volcanics. A few thin 1-2cm shears as well as local semi-transparent quartz veinlets.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-004

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)
648.48	650.00	**INTERMEDIATE DIKE** Very fine-grained dark and moderately silicous dike hosting irregular plag phenocrysts with a texture similar to that on a brook trout's back. Weak orange k-spar also.																
650.00	651.25	**IRON FORMATION** Unit composed of 5-17cm chert beds with amphibole + garnet growth and strong pyrrhotite alteration. Garnets are burgundy coloured and sub-euhedral to 1cm in diameter. Pyrrhotite present as wisps to thin stringers to semi-massive from 650.75 to 650.85m. Weak pyrite associated with garnets but certainly no po.	IF		100	650.00	651.25	1.25	0.5	4			0.183					
651.25	653.65	**VOLCANICS** Amphibolized green volcanics; moderately foliated. Cut by some thin 1-2mm quartz/carb stringers.																
653.65	654.32	**FELSIC DIKE (APLITE)** Brilliant orange coloured unit of coarse k-spar with finer plag. Unit cut by black chlorite stingers, hairline calcareous stringers and late semi-opaque extensional quartz veinlets to 6cm. Badly broken unit.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-004

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)
654.32	659.88	**VOLCANICS** Deep green amphibolized volcanics with a variable texture and alteration. Upper section to 658.10m is moderately foliated with weak bands of slight coarsening of amphiboles and k-spar alteration. Local shearing and weak pyrite mineralization. Between 658.10 and 659.40m is slightly harder, massive and more pervasively k-spar altered. 659.70 - 659.80m: fault gouge @ 70 deg tca																
659.88	660.45	**FELSIC DIKE** Very fine-grained equigranular unit. Grey-reddish coloured and silicous. Cut by thin white quartz stringers at random angles tca. Thin 1mm pyrite stringer 1cm into the interval. Upper and lower contacts @ 50 deg tca.	F.Dk		101	659.88	660.45	0.57	0.25	-			0.014					
660.45	668.77	**IRON FORMATION (LOWER)** Variable unit composed of amphibole-rich sections, cherty sections; sulphidized sections all cut by intermediate to felsic dikes. The upper section to 661.75m is more amphibole-rich banding with approx 35-40% chert as bands from <1cm to 3cm in width. Amphiboles as bands from 1mm to 5cm in width; amphiboles also as individual fuzzy looking flakes within some chert bands. Parts of this section are very fine-grained and black; argillitic. Minor burgundy coloured garnets to 0.5cm in diameter. Contorting and waviness of bedding evident at 661.05m. Bedding angles from 50-55 deg tca. Both pyrite and	IF		102	660.45	661.75	1.30	3	2			0.335					
			I.Dk		103	661.75	663.00	1.25	3	-			0.072					
			I.Dk		104	663.00	663.85	0.85	3	-			0.006					
			IF		105	663.85	664.80	0.95	0.5	25			0.023					
			IF		106	664.80	665.56	0.76	1	5			0.027					
			I.Dk		107	665.56	666.35	0.79	-	-			0.002					
			IF		108	666.35	667.45	1.10	tr	5			0.030					
			IF		109	667.45	668.77	1.32	tr	tr			0.009					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-004

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)

pyrrhotite present at approx 2:1 ratio. Pyrite mainly as irregular blebs and po as fine wisps to stringers. Overall sulphide content of 5%.

661.75 - 663.85m: intermediate dike
-grey fine-grained dike with fairly pervasive fine red kspar
-homogeneous and cut by thin white quartz/feldspar stringers
-disseminated pyrite as fine <1mm to 1cm blebs locally forming stringers
-badly fractured and contacts fractured up

From 663.85 to 665.56m is a chert rich section of a gentle fold. The upper 35cm and last 18cm of the interval are sulphide-rich amongst amphiboles and local garnets. The upper 35cm is semi-massive po to 50% averaging 30%. Chert horizon in the center is 85% white to grey in colour and hosts thin 1-7mm bands of amphiboles and po mineralization. Folding evident by the warping and folding of said bands within. Weak pyrite also, with a po to py ratio of 10:1. The last 18cm of this formation between the dikes is garnet-sulphide rich with 20% round purple garnets with interstitial semi-massive po and some py. Mylonitic texture with garnet porphyroblasts. Pyrite present locally as interstitial blebs.

665.56 - 666.35m: intermediate dike @ 55 deg tca
-contacts parallel to bedding
-grey and red coloured with stronger k-spar than dike noted above
-cut my numerous hairline qtz/carb structures with fine bleached alteration halos
-no sulphides

From 666.35 to 668.77m is another section of IF that is chert-rich with thin wisps to bands of amphiboles, sulphides or

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-004

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)
		garnets. The chert is white to grey in colour with massive chert bands to 3cm true width; and barren of sulphides. Banding within the chert vary from black to dark green to light pale green amphiboles anywhere from 1mm to 5cm in width. Mainly pyrrhotite as wispy to stringer type within amphibole banding and not in the chert. 2.5cm massive po band @ 667.10m. Weak pyrite as occasional subhedral clot/bleb to 1cm. Garnets are not uncommon and form semi-massive bands to 3cm in width of individual garnets to 2mm in diameter. Locally po and garnets are seen together. Late hairline calcareous slips present, that post-date and cross-cut mineralization and garnet growth , locally showing mm-scale off-sets on banding. Best seen around 667m.																
668.77	681.00	**VOLCANICS** Weakly to moderately foliated to start to 672.30m where the unit becomes massive and extremely competent. The rock is fine to slightly coarser-grained to a gabbroic texture to 679.40m before fining to a finer-grained flow. The gabbroic texture is composed of 50:50 fine amphiboles and interstitial plag. The plag is generally dark with gradational patches of white/greenish plag. Between 675.15 and 676.50m is the amphibole phyric gabbro texture as seen uphole. Occasional late semi-transparent quartz veinlets from 1mm to 2cm. 668.77 - 669.?? Fault -top 20cm is a healed tectonic breccia -ground rubble in the box but the driller notes 1.3m of grinding so the width of the fault is unclear 679.89m: 2cm white extensional quartz/carb veinlet @ 50 deg tca	mv		110	668.77	671.00	2.23	tr	-			0.010					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-004

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 along the contacts																
		End of Hole																

Printed: August-18-21

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Dona Lake	CLAIM NO.:	PAT-7477			DOWNHOLE SURVEY METHOD: Gyro	REMARKS: Aligned with rig aligner and drilled with one hex core barrel. Casing remains capped and flagged.
HOLE NO.:	DL20-005	LENGTH (m):	318.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83 Zone 15	NORTHING:	5699705.000	EASTING:	702470.000	COLLAR SURVEY BY: Rig Aligner	
SECTION:	N/A	ZONE:	Main	ELEVATION (m):	387.500	DRILLING COMPANY: M3 Drilling	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	260. / -56.0	SURVEYED:	260.140 / -56.220	DATE LOGGED: Nov. 25, 2020 TO Nov. 30, 2020	Core Storage: On site
HOLE STARTED:	November 24, 2020	HOLE FINISHED:	November 29, 2020	MAG:	3.69º w	LOGGED BY: D.Heerema & M.MacIsaac	Page 1 of 15

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	8.66	**OVERBURDEN** Tests..... Head set 260.4 azi -56.2 dip @ 33m 261.62 azi, -56.39 dip @ 84m 263.2 azi, -55.47 dip @135m 261.82 azi, -54.93 dip @186m 263.? Azi, ?? Dip																
8.66	20.57	**INTERMEDIATE DIKE** Competent unit of intermediate diking; fine to medium-grained with a gritty texture. Unit rather heterogeneous with areas of slightly more massive texture, other areas of weakly porphyritic and last meter finer-grained. Overall the unit is foliated ranging from 50-60 deg tca. Parts resemble a foliated granite. Very rare late semi-transparent quartz veinlet <4mm in width generally 40 deg tca. Minor thin white/creamy carb stringers and micro-faults at shallow angles tca. At 119.10m is a quartz veinlet cut be a hairline carb fault exhibiting 5mm of displacement of the veinlet. Lower contact at 38 degrees tca.																
20.57	31.70	**MAFIC TUFF**																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-005

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)

Dark green tuffacous volcanic consisting of dark green amphiboles, hornblende and brown flaky phlogopite. Well foliated with a somewhat speckled appearance of hornblende set in the amphibolite rich groundmass. Phlogopite is most abundant in upper section to 24.20m closest to the adjacent dike reaching as high as 35% in abundance. Ductile formation evident in upper 4m as well with small scale crenulations and folds; a weak banded appearance. Below 24.20m the unit is dark green, well foliated with 5-7% white felsic/carb stringers and thin local bands of brown phlogopite. Rocks competent to 30m before becoming blockier.

30.30m: blocky area of 15cm with minor remnant gouge

31.70 49.20 **VOLCANICS**

Extremely blocky unit with narrow remnant gouge seams. Could represent a fault zone with has multiple episodes of activity.

The upper most section to 37.50m is very fine-grained, dark green and fairly massive with patchy green/yellow sericite and silicification. The sericite/silcification found as stringers and infilling brittle breaks and as irregular patches or breccia-like clasts with sharp contacts. From 37.0 - 37.50m is a more pervasive section with strong sense of shearing associated with the green/yellow sericite and smokey brown silicification. Fine pyrite associated with some sericite/quartz

37.00 - 37.14m: quartz vein @ 35 deg tca
-opaque grey/white containing trace hematite causing a purplish colouration in the center; clotty sericite present near contacts

From 37.50 to 40.60m is extremely blocky, containing narrow

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)

seams of gouge at very shallow angles tca. The core locally shows evidence of pitting and dissolved minerals. Large more competent core is cut by come 0.5-1.0cm qtz/felds veinlets with moderate clotty orange k-spar

39.00 - 39.80m: narrow 4-5mm gouge seam @ 5 deg tca

From 40.60 to 44.80m is a portion of the unit with slightly fewer breaks and more pervasive very fine brown alteration in association with anastomosing/sigmoidal quartz/felds veinlets. The veinlets could be finer-grained fingers of felsic diking. The veinlets are grey/white and consist of quartz:feldspar:biotite at approx 45:45:7 respectively and contain ~3% fine subhedral pyrite +/- trace euhedral arsenopyrite. The veinlets appear to have very irregular orientation; that of sigmoidal ladder type veins. The host volcanic has a beige/brownish hue as a result of alteration from the veinlets.

Below 44.80m to approx 49.20m the unit is a fine-grained tuffacous looking unit with a speckled texture with 10-20% dark mafic grains standing out against the fine-grained amphibole-rich groundmass. Occasional felds/carb stringers to 2mm in thickness. Patchy blockiness.

49.20 81.60 **PILLOWED BASALTS**

Upper portion to 53.85m is blocky with localized soft waxy serp breccia and quartz veins with associated biotite alteration. Below 53.85m is fine-grained and generally massive. Deep green colouration; amphibolized with variable 4-10% white wisps to crack seal to irregular veinlets/clots of late quartz. Fine-grained and darker bands at random angles tca likely represent pillow selvages. Some of these selvages are now phlogopite altered while others contain very fine disseminated magnetite

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-005

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 pyrite. At 63m is a small 30cm flow breccia and at 63.80m are flow textures. Generally fairly competent with localized blockiness/narrow shears/faults.

50.36 - 50.41m: breccia with waxy soft waxy mint green serp matrix

50.60m: fracture face with fine euhedral quartz crystal growth

52.20m: 2cm quartz/felds veinlet @ 38 deg tca
-very coarse-grained

53.10 - 53.30m and 53.67 - 53.83m: quartz/felds veins @ 37 deg tca
-very coarse to pegmatitic in size
-white felds 50% semi-transparent grey quartz
-sharp contacts
-pyrite and pyrrhotite mineralization found in xenoliths of host volcanic within the veinlet from 53.10 - 53.30m

57.97 - 58.00m: feldspar veinlet @ 48 deg tca
-white feldspar hosting 35% orange k-spar and minor c.gr hornblende grains
-fine irregular blebs of pyrrhotite at 0.25%

69.00m narrow qtz healed shears; minor k-spar

69.60 - 69.80m: soft gouge seams <1cm thick @ 35 deg tca

72.50 - 73.30m: increase in white crack sealing quartz
-overall abundance of 10%

74.50 - 74.82m: irregular veinlet of coarse translucent quartz
-extensional fracture with growth from contacts

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)
		-minor orange k-spar along contacts -general orientation @ 10 deg tca 75.40 - 75.70m: well fractured section with moderate white qtz/carb and orange k-spar flooding in healed fractures 80.21 - 80.30m: qtz/carb/amph/sericite vein @ 70 deg tca -approx 50% quartz																
81.60	95.40	**VOLCANICS** From 81.60 to 86.80m is a very blocky and chaotic portion of the unit that has been intruded by felsic diking causing local hybridization and very blocky to faulted zones area result of the rheology. Extreme fracturing and possibly fault activity from 81.60 to 82.30 as well as 82.90 to 83.10. No core >5cm here and fairly soft to scratch. Residual fine cutting/gouge present on the core. From 83.90 to 84.30m is a slightly reddish hybridized section of diking and volcanics; well foliated. 85.60 - 86.73m: felsic dike @ 45 deg tca; fine-grained and pink; generally textureless with a buff siliceous appearance 86.73 - 86.80m: fault @ 25 deg tca -ground sand/gravel type material From 86.80 to 95.40m the unit consists of rather homogenous dark green, fine-grained volcanics; weakly foliated and crack sealed by approximately 10-15% white qtz/carb as stringers to clots and veinlets. Evidence of shallow late carbonate structures cutting and locally offsetting older quartz/carb material. Carb structures are <2mm thick at generally 30 deg tca. Last 2m becomes slightly reddish coloured as alteration																

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)

intensifies approaching the adjacent dike.

94.20m: thin anastomosing gouge seam @ 5 deg tca

95.35 - 95.40m: possible fault at contact with dike
-minor naturally ground core

95.40 97.95 **PORPHYRITIC INTERMEDIATE DIKE**

Dark grey/purplish/pinkish massive groundmass with a variable feldspar phenocryst content and size. The contacts are finer-grained and the dike gradually increases in grainsize towards the center where phenocrysts are anhedral to subhedral, generally 2mm in size and upto 20% in abundance. The phenos are white to cream coloured.
Contacts are within faults so no orientation can be taken.
A fracture at 97.15m shows a bleaching halo affect around the fracture. Unit cut by hairline carb healed structures with fine alteration halos.
Massive texture.
Minor disseminated pyrite throughout.

97.95 104.06 **ALTERED VOLCANICS**

Unit of variably altered volcanics from dark green foliated to carbonate/silicified/clotty and knotty altered patches partially hybridized with diking. Area of the unit are hard and others are softer; especially near the fault structures.

97.95 - 98.60m: fault zone with 50% gouge/sand/gravel material @ 40 deg tca

99.00m: soft wavy mm-scale seam with strong pyrite sub-

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-005

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)
		parallel tca																
104.06	104.90	**FELSIC DIKE** Pervasively pink, well foliated granitic type dike with very sharp contacts @ 35 deg tca. Felsic-rich containing approximately 15% fine hornblende. 1-2% white qtz eyes. Moderately banded appearance as a result of thin k-spar and hematitic bands parallel to foliation. Trace pyrite.																
104.90	110.80	**VOLCANICS** Dark green, fine-grained foliated volcanics exhibiting some ductile deformation in the form of folding. Moderately fractured unit intruded by occasional white qtz/carb stringers and veinlets. 108.80 - 109.00m: recrystallized qtz/feldspar vein with sharp upper contact @ 50 deg tca and lower contact consisting of fine mm-scale stringer fingers at a general orientation of 20 deg tca. -whitish/cream/pink colouration -coarse subhedral pink feldspar growths to 1cm -white to semi-transparent qtz sealed vugs																
110.80	112.80	**PORPHYRITIC INTERMEDIATE DIKE** Massive textured unit consisting of a fine-grained darker mafic matrix hosting approximately 20% feldspar phenocrysts. The entire dike has an overprinting of pink/red hematization causing a pervasive reddish colouration. Phenos are cream to reddish, sub-euhedral and rarely exceed 2mm. Well fractured unit and locally hosts older white qtz/carb stringers and veinlets now cut by younger fracturing. Upper and lower contacts in rubbly/brittle fractures so depth																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-005

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)
		measurements aren't exact and orientation angles unknown.																
112.80	115.60	**FAULT** Extremely block that very likely represents a brittle fault zone																
115.60	122.10	**VOLCANICS** Very fine-grained, amphibolized green and moderately foliated with few late quartz/carb crack filling. Biotite alteration present starting at 120.70m as thin wisps and bands parallel to foliation @ 66 deg tca.																
122.10	131.65	**MAFIC DIKE** Massive dike with a slight resemblance to a gritty diabase. The unit is a dark, very fine-grained grey groundmass hosting anywhere from 2-45% tiny plag phenocrysts. Alteration within the unit consists of bleaching and k-spar as alteration halos of late quartz/carb healed fractures found most abundant between 126.70 and 128.40m. The unit is very competent with few breaks, Most common break @ 35 deg tca. Upper contact is somewhat gradational but the lower is sharp at 65 deg tca with a thin chill margin.																
131.65	136.65	**VOLCANICS**																

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)
		Very fine-grained unit showing stronger alteration in the form of lighter green bleached zones with small scale brecciation locally. Angular shards of amphibolized volcanics are set in a very fine cream/light green cement. Other areas of the unit contain bleaching of the volcanics in association with small-scale (cm) dark quartz ladder veining. Biotite banding evident below 136.0m																
136.65	140.70	**MAFIC DIKE** Same as the unit uphole except not near the degree of k-spar alteration. From 136.90 to 137.50m has weak k-spar alteration halo around a 1cm healed fracture at 137.22m.																
140.70	158.50	**VOLCANICS** Very fine to fine-grained amphibolite altered with really no textural features. Local foliation but mainly massive; very little in the way of quartz stringers and veinlets. Local biotite banding, mainly over the last meter. 150.53m: 1cm band of biotite with disseminated magnetite, pyrrhotite and pyrite																
158.50	162.62	**PORHYRITIC INTERMEDIATE DIKE** Massive dike consisting of a intermediate fine-grained groundmass hosting 5-10% white/creamy phenocrysts. The dike overall has a buff grey silicous look with slightly more mafic upper 0.6m containing very few phenos. For narrow qtz structures cut the dike that have since been cross-cut by late																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-005

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/calcareous healed breaks. Trace very finely disseminated pyrite Moderate upper contact and sharp lower @ 68 degrees tca																
162.62	200.48	**VOLCANICS** Deep green amph altered volcanics, some of which resemble possible pillows and other areas appear as massive flows. Fine-grained, approx 50:50 mafics to very fine plag. Locally foliated. White qtz/carb stringers and veinlets present ranging from trace to 10% and most abundant to 169.50m. From 162.62 to 170.10m appears as pillows with narrow darker and finer-grained bands that likely represent pillow selvages. Pillow selvages below 186m appear to be host of minor qtz alteration and coarser amphibole growth. Below 170.10m to 182m the unit becomes more homogenous and massive with sections here and there with a very slight increase in grain size and much less late quartz material. Biotite alteration becomes evident as bands starting at 199.40m. The last 40cm of the gradationally coarsens to a gabbroic texture with a mauve/violet colouration of the plag. One small irregular clast of chert @ 200.18m. Slight foliation @ 60 deg tca. 165.12 - 165.19m: felsic dikelet @ 65 degrees tca -strong biotite alteration halo over adjacent upper and lower 30cm 165.65 - 165.87m: lamprophyre dike -massive biotite dike/vein -medium-coarser grained -moderate to sharp contacts 170.04 - 170.10m, 170.60 - 170.69m and 172.87 - 172.95m:	vol	minor hem	001	199.48	200.48	1.00	tr	tr	0.012							0.2

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 veins -semi-transparent grey smokey quartz -filling extensional dilations 178.30 - 178.58m: strong foliation with very fine banding and evidence of ductile folding 185.60 - 185.90m: area containing a chert band from 185.70 to 185.77m followed by intense silicification/chloritization associated with grey quartz veinlets; buff grey/green colouration; minor disseminated po + py over the next 4cm 192.80m: 1cm felds/carb veinlet @ 18 deg tca hosting clotty amph and 2% pyrite 194.92 - 195.07m: recrystallized quartz flooding at 65% -oriented approximately 70 deg tca 196.30 - 196.43m: 60% cherty/silicous banding at 80 deg tca -dark grey/green/white bands 1-4cm thick -alteration halo sees coarsening of volcanics as well as minor disseminations and weak net-textured pyrrhotite																
200.48	204.15	**IRON FORMATION (UPPER)** Finely bedded unit consisting of folded and contorted chert and amphibole/pyrrhotite banding with coarse clotty pyrite to 2cm. No magnetite banding evident. Five notable chert bands of width with a white/grey colouration; 200.48 - 200.57m, 200.71 - 200.89m, 202.40 - 202.47m, 202.60 - 203.05m and 203.90 - 204.15m. Aside from these larger bands, mm-scale chert bands evident within the finer sections. Strong folding evident from 200.70 - 200.90m and at 200.40m. Waviness/crenulations to banding seen from 203.30 to 203.70m. Bedding angles	IF	mainly po mod grun	002	200.48	201.15	0.67	2	6		0.056					0.9
			IF	moderate amph, tr k-spar	003	201.15	202.15	1.00	3	9		0.016					0.8
			IF	grun, carb, amph	004	202.15	203.15	1.00	1.5	4		0.019					0.9
			IF	mainly po replacment	005	203.15	204.15	1.00	4	15		0.045					1.1

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-005

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)
		range from 50-90 deg tca. The unit is well altered by dark amphiboles as well as yellow to green amphiboles and pitted carbonate. Clotty orange k-spar present at 201.80 and 203.70m. The unit overall is dark in colour containing fairly abundant sulphide mineralization; both pyrrhotite and pyrite. Magnetite still exists, but it appears that the finely banded/stringer style pyrrhotite may have replaced the fine magnetite bands. Pyrrhotite is associated most with what would have been the magnetite-rich portions of the unit (outside the notable chert bands) and overall is approx 5% with local areas to 20%. Strongest po from 200.58 - 200.70m (15%), 200.93 - 201.60m (15%) and 203.05 - 203.90m (20%). Clotty pyrite found in the same areas and possibly replacing the pyrrhotite as pyrite present within pyrrhotite bands. Po:py ratio of approx 3:1. Pyrite commonly showing vugginess. Trace to minor pyrite only in chert. Very strong magnetism to the unit.																
204.15	234.20	**GABBRO/MELANOGABBRO** Upper meter is foliated with slightly darker and grittier amphiboles. At 205.20m the unit transitions into a relatively massive fine-medium-grained amphibole phyric gabbro. A fine ground mass of green amphiboles and 25% dark plag result in a deep green groundmass hosting a slightly variable content of larger amphiboles from 50-65%. The coarser amphiboles appear as hornblende are black resulting in a speckled snowflake appearance of the rock. The unit is non-magnetic and very competent; only intruded by very rare quartz veinlets. 220.69m: semi-transparent qtz vein @ 20 deg tca -filling an extensional crack as one end of the gash fracture is seen in the core	gab		006	204.15	205.15	1.00	tr	-		0.007					0.2
			gab	chl	007	233.20	234.20	1.00	tr			0.014					0.1

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-005

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 orange k-spar along the contacts. Irregular lower contact with fault gouge.																
234.20	237.60	**FAULT GOUGE** Dark green, fine to medium grained and highly fractured and blocky. Strong black chlorite along fracture planes with local associated pyrite. Moderately soft, Local clay gouge with strong clay alteration over 20-30cm locally. Host rock exhibits healed quartz stockwork at various orientations with local pyrite and minor pyrrhotite. Several rafts upto 10cm exhibit strong silicification with 5-7% pyrite seams, broken up stringers with minor pyrrhotite. Local black spots possibly representing hornblende. 70-80% core recovery.	FT	chl, qtz veinlets, diss py	008	234.20	235.05	0.85	1.0		0.433							0.3
			FT	chl, gouge, clay seam	009	235.05	236.00	0.95	0.25		0.108							0.1
			FT	chl	010	236.00	237.30	1.30	0.25		0.036							0.1
237.60	246.50	**ALTERED GABBRO/MGAB** Dark green to pale green with local black spotted appearance, fine to locally medium grained and relatively soft. Grain size increases down hole exhibiting a more gabbroic texture. Upper portion of unit is strongly chlorite altered with black chlorite along fractures with associated pyrite locally, Prominent fabric at 60 deg. To c.a. With associated fractures at same orientation. Unit is predominantly non-magnetic except for occasional pods of coarser grained pods where it is moderately magnetic Feldspars are locally potassic altered exhibiting slight reddish coloration. Weakly to locally moderately mineralized ranging from 0.5 to 8% pyrite with minor pyrrhotite, Pyrite forms as discontinuous stringers and blebs (2-7mm) at various orientations. Irregular lower contact, blocky. Mineralization increases downhole. Test 243m, Azim: 262.75, Dip -53.31.	MGAB	chl	011	243.00	244.00	1.00	4	0.25	0.082							1.1
			blank		012	244.00	244.00	0.00			0.009							0.1
			MGAB	chl, py stringers	013	245.00	245.00	0.00	2	tr	0.063							0.3
			STD		014	245.00	245.00	0.00			1.500							4.1
			MGAB	py blebs	015	245.00	246.00	1.00	4	tr	0.064							0.1
			MGAB		016	246.00	246.40	0.40	tr		0.092							0.3

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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)

STD - CDN-CM-2

246.50 253.52 **MAFIC VOLCANIC**

Dark green, fine-grained locally foliated mafic volcanics. Relatively massive and unaltered with local areas if moderate foliation, Local fractures at various orientations with associated black chlorite and minor pyrite. Local occasional white qtz/carb stringers and veinlets. Relatively unmineralized with occasional pyrite bleb.

253.52 254.81 **INTERMEDIATE DIKE**

Fine grained, medium to dark grey and very hard. Locally fractured and non-magnetic. Occasional quartz veinlet and various orientations.
Sharp upper contact at 80 deg. To c.a.
Sharp lower contact at 59 deg. To c.a.

254.81 309.40 **MAFIC VOLCANICS**

Dark green, fine-grained locally foliated mafic volcanics. Relatively massive and unaltered with local areas if moderate foliation, Local fractures at various orientations with associated black chlorite and minor pyrite. Local occasional white qtz/carb stringers and veinlets. Relatively unmineralized with occasional pyrite bleb.
Local bull white quartz veins upto 15cm, irregular contacts, unmineralized.

260.0-260.3 Feldspar phyric int. Dike, very hard. Upper and lower contact at 46 deg. To c.a.

273.1-274.36 Intermediate-felsic dike, locally feldspar phyric,

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)
		light to medium grey, strong siliceous locally, patchy texture. 303.27-305.4 Intermediate dike, feldspar phyric (2-3mm), medium to dark grey, hard and very siliceous, patchy alternating texture. Upper contact at 48 deg. To ca. and lower contact at 55 deg. To c.a.																
309.40	318.00	**MAFIC VOLCANIC/AMPHIBOLITE** Dark green, fine grained and relatively massive. Unit is similar to unit above except seeing a gradational increase in amphibole content exhibiting an amphibole phyric texture over several meters with associated weak biotite mixed in with massive fine grained mafic volcanics. Unfractured and unmineralized. Occasional quartz veins (3-5cm) and sweats at predominantly 45 deg to c.a. EOH																

Printed: August-18-21

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Dona Lake	CLAIM NO.:	PAT-7477			DOWNHOLE SURVEY METHOD: Gyro	REMARKS: Hole restarted as DL20-006A (first attempt) deviated too far right and up. Drilled with one hex core barrel to approx 200m before switching to one round core barrel. Casing remains in the ground, capped and flagged.
HOLE NO.:	DL20-006	LENGTH (m):	279.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83 Zone 15	NORTHING:	5699705.000	EASTING:	702470.000	COLLAR SURVEY BY: Rig Aligner	
SECTION:	N/A	ZONE:	Main	ELEVATION (m):	387.500	DRILLING COMPANY: M3 Drilling	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	268. / -51.5	SURVEYED:	268.470 / -51.500	DATE LOGGED: Dec. 02, 2020 TO Dec. 06, 2020	Core Storage: On site
HOLE STARTED:	December 01, 2020	HOLE FINISHED:	December 05, 2020	MAG:	3.69º w	LOGGED BY: D.Heerema, M.MacIsaac	Page 1 of 17

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	9.30	**OVERBURDEN** Downhole tests as hole was drilled. Head: Azim 268.46 Dip -51.507 @18m Azim 270.87 Dip -52.14 @42m Azim 271.12 Dip -51.99 @69m Azim 271.75 Dip -51.80 @120m Azim 272.07 Dip -51.42 @171m Azim 272.06 Dip -50.72 @225m Azim 275.75 Dip -49.92																
9.30	22.17	**INTERMEDIATE DIKE** Competent unit of intermediate diking; fine to medium-grained with a gritty texture. Unit predominantly finer grained with several sections of more medium grained material as well as minor feldspar phyric phases. Overall unit exhibits a patchy texture locally as well as exhibiting a moderate fabric locally ranging from 50-60 deg tca. Occasional quartz veins ranging form 3mm to 3cm at various orientations. Locally fractured with associated carb veinlets. At 18.62m, is a 26cm quartz vein with irregular contacts. Minor pyrite along fractures. Lower contact of dike at 71 degrees tca.															
22.17	44.34	**MAFIC**																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema, M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-006

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)
		Dark green, fine grained and relatively massive. Unit has a moderate to strong fabric over upper portion of unit at roughly 50 deg. To c.a. Decreasing down section. Abundant clear to milky white quartz veinlets (5mm to 2cm) parallel to foliation and unmineralized. Unit consists of dark green amphiboles, hornblende and brown flaky phlogopite with phlogopite forming discrete bands locally. Local speckled appearance of hornblende locally. Phlogopite is most abundant in upper portion of unit. Ductile formation evident in upper 4m as well with small scale crenulations and folds; a weak banded appearance. Rock is competent with very little fracturing. Local cubic pyrite and local disseminations. Overall minor pyrite throughout. 35.95-38.95 Zone of biotite alteration occurring as bands to locally pervasive parallel to regional foliation. 41.55-41.76 Fault Gouge, clay seam at roughly 45 deg. To c.a local serpentine along fractures.																
44.34	69.47	**MAFIC TUFF** Dark green, fine grained volcanic and weakly to locally moderately fractured ranging from 30-50 deg to c.a. Unit is weakly foliated with 5-7% white felsic/carb stringers and thin local bands of brown biotite locally. Unit is locally blocky with several fault gouge upto 20cm with associated serpentine. Locally healed brittle fracture zones with quartz-calcite infilling (3-6%). Overall, unit is unmineralized and relatively unaltered. Gradational lower contact. 55.5-55.65 Fault Gouge 59.2-59.6 Fault Gouge																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema, M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-006

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)
		61.75-62.24 Healed brittle fractured zone, with fault gouge at lower contact with associated serpentine. 66.9-67.4 Fault Gouge																
69.47	82.80	**MAFIC VOLCANIC** Medium to dark green, brownish tinge with associated biotite alteration, fine grained and locally moderately foliated. Unit locally moderately fractured and blocky at beginning of unit with associated calcite veinlets along fractures. Local ductile deformation with some associated folding. Weak to moderate pervasive biotite throughout, potentially resulting from ductile deformation. Relatively unmineralized with abundant quartz-calcite veinlets along healed fractures predominantly at 60-65 deg to c.a.																
82.80	92.08	**MAFIC TUFF** Dark green, fine grained volcanic and weakly to locally moderately fractured ranging from 30-60 deg to c.a. Unit is weakly foliated with 5-7% white felsic/carb stringers and thin local bands of brown biotite locally. Unit is locally blocky. Locally healed brittle fractures with quartz-calcite infilling (3-6%). Overall, unit is unmineralized and relatively unaltered. Sharp lower contact @ 60 deg to c.a.																
92.08	96.00	**FELSIC DIKE**																

DIAMOND DRILL CORE LOGGING SHEET

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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)
		Medium grained, pinkish grey and moderately to strongly fractured (blocky). Moderate foliation, local chlorite along low angle fractures 0 to 15 deg to c.a.. Relatively unmineralized. Conjugate fractures at 75 & 15 deg to c.a. Sharp lower contact at 69 deg to c.a.																
96.00	109.28	**MAFIC TUFF** Dark green, fine grained volcanic and weakly to locally moderately fractured ranging from 30-50 deg to c.a. Unit is weakly foliated with 5-7% white felsic/carb stringers and thin local bands of brown biotite locally. Unit is locally blocky with several fault gouge upto 20cm with associated serpentine and chlorite. Overall, unit is unmineralized and relatively unaltered. Sharp lower contact @55 deg to c.a. 100.45-100.71 Felsic dike, granitic composition, pinkish coloration, 3-5% clear quartz eyes (2-3mm). Sharp contacts at 47 deg to c.a. 105.32-105.77 Intermediate to Felsic dike. Pinkish grey, feldspar phyric, weak to moderate fabric. Sharp contacts at 68 deg to c.a.																
109.28	111.28	**INTERMEDIATE TO FELSIC DIKE** Fine to medium grained, pinkish grey and relatively massive. Feldspar phyric (2-3mm). Sharp lower contact @ 63 deg to c.a. Occasional fractures at 50-65 deg to c.a.																

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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)
111.28	195.73	**VOLCANICS**	IF		001	116.75	116.97	0.22	5	tr			0.025					0.2

Very poor ground conditions from 111.28 to 130.50m with tremendous fracturing and numerous fault slips (gouge) and areas of brecciation. Overall RQD value of approx 60%. The rock is mainly massive green amphibolite altered with thin sections of speckled tuffacous material. Rock is hard and non-magnetic. Patchy late white qtz/carbonate stringers and veinlets; with evidence of two different ages of qtz/carb. Locally, stringers are cross-cut by shallower younger features that truncate and displace the older features; ie. . These features are fracture/crack seal structures often brecciated hosting angular vol fragments within. White in colour and don't exceed 10% in abundance anywhere. Occasional orange k-spar present in the veining.
Below 130.50m the unit becomes more competent with far few fractures and less fault activity. Areas of this section resemble what could be pillows with weak flow textures and what appear as thin selvages. Slight coarsening of amphiboles locally and the presence of banded to more pervasive biotite locally; alteration halo of intermediate dike. Below is a breakdown of structures....

112.00m: brecciated by biotite/carb matrix over 30cm @ 10 dtca

112.70 - 113.65m: brittle fracture zone

115.20 - 116.0m: brittle fault zone with 5% qtz/carb stringers and minor gouge @ 45 dtca

116.75 - 116.97m: cherty IF @ 45 deg tca
-65% grey chert with very fine magnetite banding in upper 5cm
-center 6cm dark amphiboles with coarse garnets to 1.2cm in diameter

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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)

-fine pyrite in chert associated with fine green amphiboles; pyrite at 5% overall

120.70 - 121.25m: brittle fault zone with some remnant gouge
-downhole from structure is a healed fault to 122.50m
-healed fault is breccia with qtz/carb matrix (30%) hosting angular shards of volcanics

125.65 - 125.75m: gravel/gouge seam

129.35 - 129.75m: fully intact brecciated gouge @ 30 deg tca
-soft

138.96 - 139.15m: intermediate dike @ 80 deg tca
-fine-grained; massive
-dark grey colour

150.12 - 150.24m: quartz veining
-extensional veining of coarse white felds and semi-transparent qtz
-45 deg tca

152.25 - 152.86m: fault with gouge @ 45 deg tca

154.34 - 154. 40m: gouge seam @ 45 deg tca

156.30 - 156.50m: fault @ 45 deg tca

156.53 - 156.90 and 157.15 - 157.32m: intermediate diking
-fine-grained and purplish-grey in colour

164.30m: quartz veinlet 1.5cm wide with the calcareous minerals dissolved leaving behind quartz

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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)
		165.60 - 166.75m: fault zone with remnant angular gravel and gouge material washed away -intermediate dike material found in the rubble with an irregular and wavy lower contact at 166.85m 176.75 - 177.00m: cherty IF? -gritty greyish/white chert/qv with weak magnetism -looks like recrystallized quartz veining with local elongate and rounded chert/amph clasts? -sharp contacts @ 80 deg tca -minor pyrite within; weak po and py in coarser amphibole halo 179.32 - 179.53m: late white quartz veining with ribbons of green amphibole 187.70 - 189.20m: fault zone with remnant gouge over upper portion to 188.60m @ 15 deg tca; fine pyrite mineralization disseminated throughout soft gouge; 188.60 to 189.09m is extremely foliated and hosts rafts and veinlets of clotty k-spar and semi-transparent quartz; last 11cm is opaque white quartz vein with contacts of grey semi-transparent qtz @ 35 deg tca 190.20 - 191.28m: brittle fault zone with gouge and breaks from 10-45 deg tca																
195.73	196.17	**IRON FORMATION (UPPER)** Very finely bedded, dark argillitic formation with minor graphite. Unit is non-magnetic. Bedding angles @ 82-84 deg tca. Minor k-spar alteration at upper contact, adjacent to a narrow mm gouge slip. Fractured interval parallel to bedding. Intact 3cm gouge seam at the lower contact. Pyrite and pyrrhotite mineralization present at small to coarse blebs and locally appear as breccia matrix. Approx 3:2 po:py	IF		002	195.73	196.17	0.44	4	2.5			0.019					1.5

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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)
		ratio. Overall approx 4% po and 2.5% pyrite.																
196.17	212.25	**AMPHIBOLITE PHYRIC GABBRO** Upper portion weakly to moderately foliated to 198m before becoming a fine-medium-grained massive unit. Rock consists of a finer-grained groundmass of amphiboles and plag with larger oikocrysts of amphiboles causing a leopard print to the core. The larger amphiboles stand out as they appear rimmed by fine plag. Darker unit with a melanocratic appearance. Slight variability of grain size locally and a general coarsening downhole. Competent unit with few fractures and little in the way of late qtz/carb stringers. Non-magnetic. 209.30 - 209.45m: white qtz/carb veining in a shear zone																	
212.25	215.35	**AMPHIBOLITE** Likely a foliated portion of the gabbro above; well foliated and amphibolite/biotite altered. Biotite fairly pervasive throughout from 10-30% with areas of weak banding. Darker in colour and grittier appearance of high metamorphism. Non-magnetic. Ductile movement evident in the form of local shears exhibiting crenulations and folds; ie 214.40 - 214.55m. 212.60m: fracture showing signs of ground water movement with dissolved minerals and rustiness	amp	amph strong biotite	003	214.35	215.35	1.00	-	-			0.009					0.1

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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)
215.35	218.20	**IRON FORMATION** Formation consists of cherty sections and heavily sulphidized sections. Chert is generally a buff grey/white colouration, in areas unblemished and other areas speckled with fine green amphiboles, cut by fine carb/grunerite stringers or hosting sulphide/amphibole bands. The whole unit is approximately 65-70% chert. Original banding has been extremely disrupted by folding resulting in bedding angles ranging from parallel to 85 deg tca. Very little to no sulphides present in the chert itself; but sulphides always associated with the amphibole/magnetite bedding. Pyrrhotite is the dominant sulphide with lesser pyrite at approximately 10:1 ratio. Trace chalcopyrite. The po is found mainly as irregular bands/wisps/stringers with a chaotic, brecciated and locally net-textured appearance. Has a primary intrusive sulphide appearance. Pyrite found as irregular blebs within the pyrrhotite. Sulphide content reaches as high as 35-40% between 216.20 and 216.75m. Ground and blocky core from 215.62 to 215.90m but very little missing. 215.35 - 215.62m: sulphide/amph rich section with strong stringer to banded po plus pyrite; overall 30% sulphide 215.62 - 216.18m: cherty band with some massive po bands at random orientations tca; overall sulphides of 8% 216.18 - 216.78m: sulphide/amph section with 35-40% sulphides and <5% chert 216.78 - 217.75m: cherty section with overall 5% sulphides 217.75 - 218.20m: sulphide/amph and cherty section of more typical banding; 30% chert and overall 30% sulphides	IF	amph	004	215.35	216.35	1.00	1	10			0.030					1.8
			IF	amph	005	216.35	217.35	1.00	2	20			0.065					1.3
			IF	amph	006	217.35	218.20	0.85	1	12			0.019					1.1

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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)
218.20	220.18	**INTERMEDIATE DIKE** Massive, grey and extremely competent. Small feldspar phenocrysts present as well as mm long black hornblende grains disseminated throughout. Trace orange k-spar.	I.Dk		007	218.20	219.20	1.00	tr	-			0.006					0.1
			I.Dk		008	219.20	220.18	0.98	tr	-			0.007					0.1
220.18	237.25	**IRON FORMATION** Unit starts off as a very fine-grained and folded black argillite hosting significant pyrite and pyrrhotite in association with white qtz/carbonate wisps, stringers and bands to 220.60. Sulphides average 15% with a 2:1 po:py ratio. Following the argillite is a narrow swath of wacke material to 220.97m with trace sulphides at best. The true banded iron formation starting at 220.97m is a well banded chert/magnetite unit with moderate amphibole/grunerite and local garnet alteration and generally little sulphides. Banding varies from very fine (<mm) to chert bands >10cm and very undeformed with only localized crenulations and folding. The rock is a grey/soft green colour. Chert is off white/grey. Grey magnetite banding throughout from <mm to 1cm. Light yellow/green very fine grunerite/white mica throughout as wisps to bands from trace to 50%. Garnet growth present locally and appears associated with crenulated dark green amphibole bands. Garnets range from 1mm to >1cm. Banding angles start off @ 75 deg tca then shallows to parallel tca by 224.60m (at a gentle fold) and steepens again to a pretty consistent 80 deg tca by 225.30m. Gentle fold nose present at 224.60m, crenulated bedding in the area of 229.90m, crenulated bedding from 235.45 to 235.68m. A no brainer this unit is very strongly magnetic. Overall would be considered rather homogenous.	arg	weak	009	220.18	220.90	0.72	6	3			0.021					0.9
			IF	weak amph	010	220.90	221.90	1.00	0.5	tr			0.045					0.1
			IF	weak amph	011	221.90	222.90	1.00	1	tr			0.018					0.4
			Blank		012	222.90	222.90	0.00					0.005					0.1
			IF	mod amph/grun garnets	013	222.90	223.90	1.00	0.5	tr			0.369					0.4
			IF	weak/mod amph	014	223.90	224.90	1.00	tr	tr			0.509					0.2
			IF	mod amp/grun, garnets	015	224.90	225.90	1.00	1	0.25			6.460					0.9
			I.Dk		016	225.90	227.15	1.25	-	-			0.027					0.1
			IF	strong amph/grun, garnets	017	227.15	228.68	1.53	2	tr			0.396					0.2
			I.Dk		018	228.68	229.68	1.00	-	-			0.056					0.1
			IF	mod amph/grun, garnets	019	229.68	230.45	0.77	1.5	0.25			0.133					0.5
			IF	mod-str amph/grun	020	230.45	231.20	0.75	0.5	tr			0.205					0.4
			IF	strong amph/grun	021	231.20	232.20	1.00	tr	-			0.098					0.2
			IF	strong amph/grun	022	232.20	233.20	1.00	tr	-			0.100					0.2
			Standard		023	233.20	233.20	0.00					1.300					3.9
			IF	strong amph/grun	024	233.20	234.20	1.00	tr	-			0.123					0.3
			I.Dk		025	234.20	234.67	0.47	-	-			0.011					0.2
			IF	strong amph/grun	026	234.67	235.46	0.79	tr	-			0.636					0.1
			IF	mod amph/grun, garnets	027	235.46	236.46	1.00	7	1			6.170					0.9
			IF	mod amph, garnets	028	236.46	237.25	0.79	tr	tr			0.849					0.4

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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)
		The unit is cut by narrow dark grey intermediate diking with sharp contacts and foliated texture. Non-magnetic Sulphides in the iron formation are seldom found in significant abundance except for localized areas. Sulphides generally occur as very fine wisps to weak stringers. Strongest sulphides from 235.98 to 236.38m at approximately 12% at a 10:1 po:py ratio. Sulphides are irregular stringers and knots over the upper 20cm where deformation has occurred and sulphides show crenulations and folding. VG present in three locations; 235.58m as a pin head, 235.67m as two very small pin heads and one flake 0.5mm and at 236.17m as one flake 0.8mm. The upper gold flakes are present within dark green amphibole; crenulated and crossing a semi-transparent qtz veinlet 3cm wide. The lower gold flake also lies within dark green amphibole in close proximity to but not in strong po mineralization. Intermediate dikes 225.90 - 227.15m 228.68 - 229.68m 234.20 - 234.67m Standard CDN-CM-2 used for sample 023																
237.25	240.38	**INTERMEDIATE DIKE** Very fine to fine-grained, generally massive dike. Dark grey in colour with local orange k-spar alteration associated with late structures. Heterogeneous unit with variable grain size and areas of slight increase in silicousness. Non-magnetic. Cut by small scale extensional quartz veins that are then cut by hairline carbonaceous structures. Alteration halos about the carb structures is bleaching and occasionally fine pervasive	I.Dk	mod amph	029	237.25	238.20	0.95	tr	2			0.180					0.3
			I.Dk/vol		030	238.20	238.80	0.60	1.5	10			3.800					1.3
			I.Dk		031	238.80	239.80	1.00	-	-			0.736					0.1

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orange k-spar.

237.73 - 237.92m: iron formation
-well banded like above containing 5% po + trace py

238.20 - 238.50m: altered amphibolite containing clotty sausseritized plag and tremendous sulphides
-flow textures and deformation
-15% interstitial disseminations to stringers of po with clotty pyrite within and trace chalcopyrite

238.55 - 238.77m: semi-transparent qtz flooding
-upper 7m is massive vein followed by flooding
-coarse clotty pyrite within the quartz flooding and a massive 1cm py seam at 238.68m @ 55 deg tca

240.38 244.60 **MAFIC TUFF**

Tuffaceous, green foliated volcanics; speckled tuffaceous texture with darker amph/hornblende speckled throughout. Core moderately to strongly broken/fractured. Very occasional thin qtz/carb stringer. Non-magnetic

243.86 - 243.93m: white qtz vein @ 70 deg tca
-trace to weak orange k-spar on lower contact and slight orange tinge within the vein

244.60 252.90 **VOLCANICS**

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		Deep green and relatively massive and unfoliated. Extremely blocky throughout with RQD value of approx 30%. Most breaks are generally 50-55 deg tca and some show a curvature. 250.90 - 252.90m: fault zone with some remnant gouge and approx 1m of missing material. Material from approximately 250.90 to 252.00m is washed away. Drillers block from 249 to 252 is a meter short and core to approx 250.90m pieces together. Remnant gouge is moderate to soft and shows a general orientation of 40 deg tca.																
252.90	255.25	**FELSIC-INTERMEDIATE DIKE** Variable unit from dark and volcanic looking to deep red syenitic material. Upper meter is deep pervasive red coloured and intruded by late quartz veining from 1mm to 4cm thick composed of semi-transparent to white quartz often rimmed by green chlorite along contacts; abundant quartz material from 253.20 to 253.45m. Gradationally downhole from 253.80m is the disappearance of the red k-spar making the dike a purplish/grey colour fading to dark grey and weakly foliated. Cut by fair number of thin hairline carb stringers. Very blocky unit.	I.Dk	strong k-spar	032	252.90	254.00	1.10	tr	-	1.940							0.3
			I.Dk	weak k-spar	033	254.00	255.25	1.25	tr	-	0.047							0.1
255.25	256.25	**IRON FORMATION (LOWER)** Well banded and sulphidized formation consisting of fine chert, magnetite, deep green amphiboles pyrrhotite and pyrite. Banding fairly consistent @ 60 deg tca with slight shallowing around 255.45m. Magnetite bands are very fine often with deep green amphibolization. Associated with the dark amphibole	IF		034	255.25	256.25	1.00	2	6	7.510							1.6

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		also is the po and py mineralization that averages 8% throughout and reaches 35-40% locally. The po is most common in the form of disseminations forming weak bands and thin bands themselves of 1-2mm in width. Pyrite most abundant over the last 15cm of the interval at 20%. Competent unit.																
256.25	259.10	**INTERMEDIATE DIKE** Generally massive, dark grey and somewhat featureless like one above. Fine to slightly coarser-grained with local foliation. Patchy pervasive orange/red hue to the core in finer material. Like above, unit cut by hairline calcareous stringers. 257.40 - 257.46m: IF with 4% pyrite	Blank		035	256.25	256.25	0.00					0.002				0.1
			I.Dk		036	256.25	257.25	1.00	-	-			0.078				0.1
			I.Dk		037	257.25	258.25	1.00	tr	-			0.031				0.1
			I.Dk		038	258.25	259.10	0.85	-	-			0.051				0.1
259.10	263.20	**IRON FORMATION (LOWER)** Finely banded unit of magnetite and light green amphibole in place of chert? The unit is basically alternating bands of light green (amph) and dark grey (magnetite) with magnetite banding to 1.3cm in thickness. White chert bands present between 261.47 and 262.07m. Ductile deformation in the from of tight folds evident at 249.80m through 260.30m, 260.90m and 261.60 through 261.70m. Dark purple garnets found locally in darker amphibole bands ranging from 1cm to 25cm in width. Strongest garnets present from 260.65 to 260.75m at 15% and between 262.08 to 262.30m at 50%. Garnets reach 0.8cm in size and are generally subhedral. Nil to minor sulphides; 261.94 to 262.30m has wispy po and more blebby pyrite 1:2 ratio and 1.5% over the short interval. 262.30 - 262.78m: white quartz vein with sharp contacts	IF	mod-strong amph	039	259.10	260.10	1.00	-	-			1.160				0.4
			IF	mod-strong amph, garnets	040	260.10	261.20	1.10	-	-			0.231				0.1
			IF	mod amph, stg garnets	041	261.20	262.30	1.10	tr	1			0.567				0.5
			QV		042	262.30	262.78	0.48	tr	-			0.042				0.1
			wacke		043	262.78	263.20	0.42	tr	1.5			9.280				1.3

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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)
		-hosts 10% clotty dark green amphibole and black biotite -garnet growth in green amphiboles; garnets to 1.3cm -trace pyrite 262.78 - 263.20m: wacke section with gentle folding over upper 10cm. Last 11cm is mineralized with 8% fine stringer po and trace pyrite																
263.20	264.20	**INTERMEDIATE DIKE** Very fine-grained and somewhat silicous host to 15% 1-1.5mm white phenocrysts. Weak k-spar alteration halos of hairline calcareous structures. Sharp contacts; lower @ 50 deg tca.	I.Dk		044	263.20	264.20	1.00	-	-			0.051					0.1
264.20	264.75	**IRON FORMATION (LOWER)** Highly disrupted unit of dark chert, amphiboles and strong sulphide. Pyrite and pyrrhotite averaging 30% with a py:po ratio of 3:2. Brecciated appearance as some of the stringer/banded sulphides wrap chert. Highly magnetic.	IF	sulphidized	045	264.20	264.75	0.55	17	13			18.800					4.6
264.75	265.25	**INTERMEDIATE DIKE** Similar to the dike unit above from 263.20 to 264.20m.	I.Dk		046	264.75	265.25	0.50	-	-			0.213					0.1

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema, M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-006

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)
265.25	267.00	**IRON FORMATION (LOWER)** Upper portion to 266.35m is a medium-grained, deep green amphibolite composed of green amphibole and black hornblende that resembles a pyroxenite. Massive texture to 266.20m before becoming foliated. Moderate pervasive magnetism. Sulphides are most commonly finely disseminated pyrite with minor fracture controlled pyrite also. Associated with late quartz veinlets is coarser clots of pyrite. Overall sulphide content here of approximately 1-2%. Below 266.35m is a more typical section of foliated iron formation with chert, amphiboles biotite and sulphides. This section is chert dominant with coarse contorted and loosely folded amphibole bands. Amphibolite bands are generally host to weak po and py. Very strong pyrrhotite mineralization forming a wavy semi-massive band of very fine po found within the chert. Late cross-cutting structures such as carbonate stringers are host to massive pyrite veinlets 5mm wide at very shallow angles tca. Strong biotite over the last 25cm of interval with large clots of massive pyrite. Overall sulphide content of 40%. Standard HGS1 used for sample 049	AMPH		047	265.25	266.35	1.10	1.5	-			0.878					0.4
			IF		048	266.35	267.00	0.65	15	25			0.484					0.5
			Standard		049	267.00	267.00	0.00					3.200					0.5
267.00	268.45	**INTERMEDIATE DIKE** Similar to the previous two porphyritic dikes. Massive to locally foliated. Silicous fine-grained grey groundmass hosting 20-25% white phenocrysts and local porphyroblasts. Upper 25cm much more quartz-rich and silicous. Unit cut by narrow white/semi-transparent qtz veinlets 6 - 10mm thick. Other cross-cutting features include hairline carb/felds structures with thin orange k-spar halos.	I.Dk		050	267.00	268.45	1.45	2	1			0.038					0.3

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema, M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-006

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)
		Dike hosts two small rafts of mineralized iron formation; 268.00 - 268.08m and 268.16 to 268.26m																
268.45	268.65	**IRON FORMATION (LOWER)** Finely banded magnetite and chert with grey/white chert and very thin hairline bands of magnetite. Banding @ 70 deg tca with a gentle fold in the center. Mineralized with 10% po and 10% py over the upper 12cm. Pyrite associated with carbonate.	IF	weak amph	051	268.45	268.65	0.20	5	5			0.251					1.2
268.65	276.37	**AMPHIBOLITE** Deep green, weakly foliated containing approximately 15% disseminated black hornblende and local biotite as bands. Local weak magnetism. Few to moderate extensional breaks filled with quartz/felds/carb stringers and veinlets generally parallel to foliation @ 50 deg tca.	amph	strong amph and biotite	052	268.65	269.65	1.00	-	-			0.018					0.1
276.37	279.00	**VOLCANICS** Basic fine-grained basalt, massive, homogenous and textureless. Cut by few thin qtz/felds/carb structures and 2 qtz/felds veinlets of 2-3cm width. Non-magnetic. End of Hole																

Printed: August-18-21

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Dona Lake	CLAIM NO.:	LEA-108365			DOWNHOLE SURVEY METHOD: Gyro	REMARKS: Hole aligned using the Devico rig-aligner. Two hex core barrels used from the beginning. Casing remains in ground, capped and flagged.
HOLE NO.:	DL21-007	LENGTH (m):	552.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83 Zone 15	NORTHING:	5699750.000	EASTING:	702608.000	COLLAR SURVEY BY: Rig Aligner	
SECTION:	N/A	ZONE:	Main	ELEVATION (m):	390.000	DRILLING COMPANY: M3 Drilling	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	265. / -69.0	SURVEYED:	265.530 / -69.098	DATE LOGGED: Jan. 29, 2020 TO Feb. 05, 2020	Core Storage: On site
HOLE STARTED:	January 27, 2020	HOLE FINISHED:	February 04, 2020	MAG:	3.69º w	LOGGED BY: D.Heerema & M.MacIsaac	Page 1 of 21

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	18.10	**OVERBURDEN** Single shot downhole surveys..... @ 30m Azi 263.88 Dip -67.94 @ 80m Azi 264.96 Dip -66.22 @ 132m Azi 266.8 Dip -65.15 @182m Azi 268.40 Dip -64.14 @234m Azi 270.56 Dip -63.10 @286m Azi 272.12 Dip -61.74 @257m Azi 272.64 Dip -60.50 @408m Azi 273.92 Dip -59.71																
18.10	31.25	**DIABASE** Very fine to fine-grained and massive unit of magnetic diabase. Classic massive intrusive interstitial texture of approx 50% plag within 50% pyroxenes. Grain size gradationally decreases beginning at approx 28.50m to a very fine aphanitic Army green/grey colour. Magnetism decreases along with grain size becoming non-magnetic in finest material. Upper contact not drilled and lower contact in a badly fractured area. Core relatively competent to 26.20m before getting blockier. Brittle fault from 30.40 to 31.25m.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-007

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)
31.25	41.00	**VOLCANICS** Very deep green almost black when wet. Very fine-grained with occasional patches of slightly coarser plag +/- orange k-spar. Weak to moderate foliation @ 50 deg tca. Unit cut by 8-10% narrow 1mm to 1cm white extensional quartz-carbonate stingers and veinlets most often parallel to foliation. Occasional angular shards of host volcanics within this structures. Entire unit is cut by even younger hairline calcareous stringers; generally perpendicular to the extensional structures and show evidence off mm-scale offsets. 31.25 - 31.94m: healed shear zone @ 60 deg tca -55% white quartz as veins on both ends of the structure -strong biotite alteration between the quartz veins with thin quartz veinlets forming weak banding -weak to moderate chlorite -folding evident -zoned quartz porphyroblasts within with an agate appearance -1% pyrite	qv		110	31.25	31.94	0.69	1	tr			0.160					
			vol		098	40.55	41.00	0.45					0.017					
41.00	59.07	**FOLIATED VOLCANICS** Interval of immense alteration with very strong foliation and local schistosity. Small windows of less altered and foliated material exist within with rather sharp contacts. From 41.00 to 46.92m is extremely foliated with schistose sections of the interval that reach 80% brown phlogopite; ie.. 41.00 to 41.65 and 42.50 to 42.60m as best examples with phlogopite in and out of the interval. Alteration through this interval consists of said phlogopite, deep green amphibole, carbonate, biotite and weak chlorite associated with local quartz flooding. As a result of the strong deformation; weak banding has resulted. Quartz/felds flooding as irregular veins from 2 to 6cm in true width parallel to	fol vol		099	41.00	42.00	1.00					0.042					
			fol vol		100	42.00	43.35	1.35					0.282					
			fol vol		001	43.35	44.35	1.00	7	2			0.756					
			fol vol		101	44.35	44.90	0.55					0.307					
			fol vol		102	44.90	45.50	0.60					0.083					
			fol vol		103	56.20	56.80	0.60					0.028					
			fol vol		104	56.80	57.35	0.55					0.044					
			shr/qv		002	57.35	57.67	0.32	tr	-			25.100					
			shr/qv		003	57.67	58.07	0.40	0.5	0.5			56.900					
			shr/qv		004	58.07	59.07	1.00	0.25	tr			9.610					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-007

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)

foliation @ 35 deg tca with minor green chlorite along contacts. In close proximity to the fine recrystallized quartz/felds flooding is weak orange k-spar and strong pyrite and pyrrhotite mineralization as fine disseminations to weak stringers. At 43.65m is a 3cm swath of 35% pyrite.
From 46.92 to 48.71m are weakly foliated and altered volcanics like uphole.
From 48.71 to 52.05m is a paler green to weak yellowish chlorite-actinolite schist with a strongly crenulated foliation. The rock consists of chlorite +/- actinolite and is much softer. Almost mylonitic, this schist shows a waviness or crenulations of the schistosity. Fractures show well developed slickensides. Moderate to sharp contacts.
From 52.05 to 56.00m is the more typical dark volcanics with 5-10% white crack & seal quartz/carb material. Fine disseminated pyrite overprinting locally
From 56.00 to 57.35m is a section of increased foliation and associated phlogopite to 60%.

From 57.35 to 59.07m contains 80% coarse white quartz veining at all angles tca. Foliation is intense with core angles of sub-parallel to 60 degrees tca. Old structure filled with quartz veins. Between the vein material is banded to massive brown phlogopite and fine carbonate as well as black chlorite and fine quartz porphyroblasts. The quartz veins themselves contain weak green wisps of chlorite. Fine pyrite and pyrrhotite with trace chalcopyrite found in almost mylonitized material between veins at 57.90m.
VG as a 1mm flake with a couple pinheads beside it located within black chlorite/amphibole beside a discontinuous quartz veinlet at 57.97m

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-007

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)
59.07	87.70	**VOLCANICS** Deep green almost black, very fine-grained, textureless basalts. Homogenous unit. Very weak pervasive magnetism. Consistent 2-3% crack & seal quartz/carb structures from hairline to 2cm in thickness. The 0.9m of the unit has undergone biotite/phlogopite alteration and a stronger foliation adjacent to the dike. 67.40 - 68.30m: brittle fault zone -groundwater movement -paler green chlorite alteration	vol		105	59.07	59.55	0.48					0.401					
			vol		106	59.55	60.00	0.45					0.121					
			vol		107	85.65	86.15	0.50					0.026					
			vol		108	86.15	87.70	1.55					0.008					
			vol		109	87.70	88.20	0.50					0.008					
87.70	114.63	**INTERMEDIATE DIKE** Generally grey, very fine to fine-grained to locally coarser as well as locally porphyritic. Certainly not homogenous as alteration intensity and type changes with tectonic activity. It appears the unit has seen at minimum two stages of tectonism with healed and reworked shears/faults. The dike is mainly a grey, very fine to fine-grained and massive to weakly foliated and consists of approx 40% black biotite, 30% quartz and 30% plagioclase. Where the dike is cut by hairline calcareous stringers, thin quartz veinlets or disrupted by more intense tectonism, the unit shows bleached halos and locally porphyritic textures. Along with the bleaching is local sausseritization of the plag and fine k-spar causing a soft green and orange/pinkish colouration respectively. Tectonism is strongest between 106.40 and 111.50m as healed shears/faults, later intruded locally by quartz veining. Lower contact of dike @ 70 deg tca 106.40 - 106.67m: brecciated and healed by fine quartz and green/yellow sericite with occasional laths of feldspar and 5%																	

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)

chlorite; massive quartz vein over last 13cm. Semi-transparent quartz porphyroblasts also. Trace very fine pyrite. Oriented @ 60 deg tca

107.20 - 107.56m: coarse semi-transparent to white quartz vein with sharp but irregular contacts

107.76 - 108.70m: brecciated zone over the upper 0.60m with angular shards of k-spar altered dike within fine quartz/felds/carb matrix that has later been flooded by semi-transparent quartz veining; the last 40cm of the interval is a chlorite schist cut by 25% thin anastomosing white felds/carb stringers. Oriented @ 30 deg tca with weak gouge locally.

110.80 - 111.50m: area of high degree of bleaching to an off-white-orangish colour, highly foliated with variable orientation tca; from 110.98 to 111.10 is a healed fault consisting of 45% jet black hornblende, 35% fine quartz and 20% white carb+felds

114.63 188.00 **VOLCANICS**

Similar to uphole; these basalts are dark green, gritty and somewhat shiny in direct sunlight as a result of amphibole alteration. The rock is generally very fine-grained and textureless with local areas of weak to moderate foliation over short 0.5 - 1.0m intervals. Rocks are cut by 1-5% thin anastomosing quartz/carb crack & seal type stringers and veinlets as well as some younger white quartz/felds veinlets from 1-8cm in width (most notable between 126 and 138.85. Evidence of very thin slip planes @ 5 deg tca at 122m. Very competent core.

At approx 146m the rock coarsens slightly to a fine-grained basalt with slightly more discernable grains gradationally

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)

increasing in grain size to a fine-medium-grained massive amphibolite by 155.40m. The coarser amphibolite sub-unit looks like a pyroxenite with grain size to 3mm. This amphibolite ends gradationally at approx 160.80m.

At approx 175.20 to base of unit the basalts appear as pillowed with local amygdules and thin irregular amphibolized/epidotized selvages.

115.75 - 115.92m: irregular quartz/carb vein

153.87m: thin 3cm shear with crenulated schistosity @ 57 deg tca

154.83 - 155.05m: chlorite/amphibole schist @ 70 deg tca
-immense crenulations and small scale folds with axial hinge planes @ 70 deg tca

173.55m: 2cm banded shear @ ~40 deg tca
-bands of fine recrystallized quartz showing strong folding
-axial planes of fold hinges basically parallel tca

174.35 - 174.83m: section with increased foliation as well 10% blebby orange k-spar alteration

179.55m: quartz/carb/k-spar veinlet @ 30 deg tca cut by perpendicular hairline slip planes exhibiting up to 1cm sinistral displacement

187.38 - 187.60m: white/semi-transparent quartz vein @ 60 deg tca; strong brown biotite/phlogopite alteration halo over preceding 20cm.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-007

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)
188.00	202.33	**INTERMEDIATE DIKE** Sharp upper and lower contacts @ 50 and 58 deg tca respectively. The dike is a dark grey to purplish colouration and generally very fine to fine-grained with a coarser porphyritic core. Mainly massive with localized fabric like upper 1.60m and between 196.4 and 197.50m. The dike consists of 80% very fine hornblende and 20% plag + quartz where finer-grained. The coarser, porphyritic portion from 189.60 to 191.90m consists of approx 60% fine hornblende, 20% fine plag + quartz and 20% plag phenocrysts. The grain size gradationally changes from very fine-grained to porphyritic with the size of the phenocrysts gradationally changing. Phenos are white to grey, subhedral and up to 1cm. Moderate jointing/fracturing. Unit is cut by few thin white carbonate stringers; mainly below 191.90m. Pyrite present over the upper 1.60m as very thin 2mm elongate needle like blebs parallel to foliation. 1-2mm pyrite stringer at 188.14m. Non-magnetic																
202.33	233.25	**VOLCANICS** Start of the unit is pillowed basalts with thin dark amphibolized pillow selvages. Rocks are well cracked, and filled by white quartz/carb; approximately 7-8% to 210.3m. From 210.30m the rocks are very fine-grained to almost aphanitic locally and textureless. Weak crack & seal quartz/carb material throughout averaging <1%. Relatively competent unit with few fractures. First ~1m succeeding the dike is moderately biotite altered. 208.90 - 209.20m: intermediate dike @ 80 deg tca -very fine-grained like uphole																

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)

209.60 - 209.90m: very blocky section with strong silicification over upper 20cm

224.30 - 225.10m is a section is paler green alteration with a stronger foliation and weak to moderate banding exhibiting gentle folding with axial planes sub-parallel tca.

233.25 239.83 **PORPHYRITIC DIKE**

Very fine-grained dark grey with a weak purplish hue. Unit is generally massive textured and consists of very fine biotite, quartz and dark plagioclase. Tiny anhedral to subhedral phenos throughout averaging approximately 1-2% and reach 3mm in diameter. Slight lightening/bleaching locally that shows better the felsic content of the unit at approximately 60%. Contacts are rather diffuse with very fine-grained volcanics.

237.06 to 237.61m: foliated amphibolite with moderate banding and quartz veinlets over last 13cm @ 32 deg tca
-banding from 237.20 - 237.30m shows small scale isoclinal folds
-fold hinges sub-parallel tca

239.83 268.55 **VOLCANICS**

Deep green, very fine to fine-grained amphibolized basalts, locally foliated, but mainly massive and textureless. Competent core with relatively few breaks. Entire unit is intruded by 3-4% late white crack & seal style quartz/carb material from extensional breaks during deformation, as thin irregular stringers to 1cm gashes.
Non-magnetic.

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)
		254.61 - 255.25m: biotite-chlorite rich with sharp contacts @ 55 deg tca -lamprophyre dike? -lower contact cut obliquely across an older healed shear -unit is composed of dark green amph + light green chlorite and 35% coarse biotite as well as approx 5% feldspar 255.25 - 256.64m: locally porphyritic intermediate dike -fine grained; dark purple/grey with some pink k-spar alteration -weakly foliated -white subhedral phenos to 15% within the center portion of the dike -shear upper 10cm 262.72 - 263.45m: intermediate dike @ 50 deg tca -very fine-grained with 1-2% phenos -dark grey -foliated																
268.55	272.55	**INTERMEDIATE DIKE** Fine-grained, moderately foliated grey/purplish dike with upper and lower contacts @ 55 and 80 deg tca respectively. Unit consists of fine biotite, quartz and feldspar cut by hairline calcareous stringers with thin bleached halos and more pervasive k-spar where stringers are move prevalent.																
272.55	398.00	**MAFIC VOLCANICS**	MV		005	397.00	398.00	1.00	0.25				0.019					

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)

Dark green, very fine to fine-grained amphibolized basalts, locally foliated, but mainly massive and textureless. Competent core with relatively few breaks. Entire unit is intruded by 3-4% late white crack & seal style quartz/carb material from extensional breaks during deformation, as thin irregular stringers to 1cm gashes.
Non-magnetic. Unit become moderately fractured/blocky from 294m-315m. Fractures at various orientations with associated quartz sweats and veinlets. Unit become progressively foliated from 396.7 to lower contact with upper iron formation, also includes 0.5 to 1% pyrite long fractures, slight banded appearance with associated increase in biotite alteration towards lower contact..

273.60 - 274.02m: Intermediate Dike, contact at 62 deg. To c.a.,
-Dark grey, moderately hard, fine grained.

278.47 - 279.20m: feldspar porphyritic intermediate dike
-fine grained, dark grey, zoned subhedral feldspars 2-4mm
-lower contact @21 deg. To c.a.

283.76 - 284.75m: intermediate dike @ 68 deg tca
-very fine-grained, weakly feldspar phyric, dark grey

292.30-292.50 Fault Zone, blocky, brecciated, quartz infilling.

301.4-301.76 Jigsaw breccia with quartz infilling, irregular contact

325.2-325.4 Fault Gouge, rubble, ground core.

336.35-336.55 Quartz Vein, clear to white, irregular contacts, unmineralized.

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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)
		357.15-357.27 Mafic Dike, feldspar phyric 354.62-355.06 Biotite-Amphibole alteration, banded @60 deg.to c.a. 368.2-368.42 White quartz vein 383.85-385.3 15-20% quartz veinlets, moderate biotite alteration, minor pyrite-diss, lower contact strongly fractured. Moderately folded.																
398.00	403.55	**IRON FORMATION (UPPER)** Very finely bedded unit of dark grey to black argillitic material intermixed with cherty bands. Bedding ranging from <0.5mm to 10cm. Orientation of bedding predominantly 51 deg tca and showing deformation as small scale crenulations and tight isoclinal folds with banding angles down to 24 deg. To c.a. Unit overall is approximately 65% argillitic material and 35% chert. Cherty sections are buff grey to white exhibiting some zonation locally. Argillic sections more finely banded and cherty sections bands ranging from 2-10cm. Unit is moderately to strong magnetic throughout with argillic sections being stronger. Alteration in the form of fine green to black amphiboles and pyrrhotite. Amphiboles locally form very thin wisps to bands as well as slightly more pervasive alteration from 401-403.2m Magnetite present as very thin bands. Graphite common in darker argillitic sections forming as slick'n slides. Euhedral to subhedral garnets 402.94-403.45 with associated green amphibole alteration. Garnets upto 1cm. 3 to 20% Pyrrhotite forming as stringers and bands as well as local wispy blebs predominantly with argillic sections. Minor chalcopyrite locally along stringer boundaries of pyrrhotite. Local	IF	Amph< graphite, PO	006	398.00	398.90	0.90	2	15			0.036					
			M.Dy		007	398.90	399.66	0.76					0.011					
			IF	Amph, PO	008	399.66	400.66	1.00	5	7			0.025					
			IF	Amph, PO	009	400.66	401.66	1.00	1	12			0.023					
			IF	Amph,po,graph	010	401.66	402.66	1.00	0.25	20			0.030					
			IF	Amph, gnt	011	402.66	403.55	0.89	0.25	7			0.081					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-007

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)
		1-2% pyrite predominantly in upper portion of unit and predominantly within cherty sections. Po:py ratio of approx 12:1. Sharp upper contact @ 55 deg. To c.a. Lower contact @50 deg. To c.a., sharp. 398.9-399.66 Mafic dike, weakly feldspar phyric, hard.																
403.55	418.60	**ALTERED GABBRO/ AMPHIBOLITE** Rather homogenous unit of dark green melanocratic gabbro/amphibolite consisting of fine to medium-grained groundmass hosting coarser-grained amphiboles to 1cm in length resulting in a pyroxenitic appearance. Weak pervasive magnetism. Cut by very occasional quartz/carb veinlet. Competent with few breaks. Both upper and lower contacts unit becomes finer grained gradationally to medium grained in center. Biotite alteration appears at 590.70m to base of unit as not bands but more pervasive to 50% locally. Fine pyrite mineralization present here also.	mgab	amph	012	403.55	404.45	0.90	tr				0.015				
			mgab	amph	013	417.60	418.60	1.00	tr				0.009				
418.60	424.64	**IRON FORMATION (MAIN)** Unit consists of alternating bands of white to grey cherty bands to amphibole rich bands with intermixed pyrrhotite stringers and bands. Cherty and amphibole rich bands range from 5 to 20cm and range from 42 to 54 deg. To c.a. Cherty sections which range upto 90cm are typically white to grey bands with intermixed strings and bands of pyrrhotite ranging from 5 to 12%. Pyrrhotite also crosscuts cherty bands with local trace chalcopyrite locally. Amphibole rich sections range upto 50cm and consist of dark green amphibole with associated pyrrhotite mineralization ranging from 7 to 25% and	IF	Po	014	418.60	419.65	1.05	tr	7			0.088				
			IF	Amph, Po	015	419.65	420.65	1.00	tr	15			0.080				
			IF	amph, Po	016	420.65	421.55	0.90	0.25	8			0.022				
			IF	amph, gnt, Po	017	421.55	422.55	1.00	0.25	6			4.530				
			Blank		018	422.55	422.55	0.00					0.002				
			IF	amph,gnt,Po	019	422.55	423.55	1.00		3			0.135				
			Standard		020	423.55	423.55	0.00					1.650				
			IF	gnt,amph	021	423.55	424.64	1.09	tr	3			1.350				

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-007

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)

local magnetite. Abundant garnet alteration within amphibole rich sections becoming stronger down section. Iron formation also contains narrow argillic bands with associated graphite and pyrrhotite. Unit is moderately to strongly magnetic especially in more mafic sections.

Upper contact @ 45 deg. To c.a and lower contact at 47 deg. To c.a.

418.60 - 418.83m: Amphibole-pyrrhotite section with 25% Po

418.83 - 419.65 Cherty sections consisting of smokey grey to white bands with intermixed pyrrhotite bands and stringers ranging rom 0.5 to 2cm with several crosscutting stringers as well. Po consist of 8-12%.

419.65 - 420.02m: Amphibole-pyrrhotite section 20-25% pyrrhotite, dark green, locally folded.

420.02-420.33 Cherty, 5-8% Po

From 420.33 to 424.64m is a section of well banded magnetite/amphibole/Po and dark grey chert. Pretty consistent banding throughout with 2-4cm cherty bands and 5-15cm dark green amphibole/garnet/pyrrhotite bands. Banding @ 51 deg tca with distinct layers from grey to dark grey exhibiting a gritty texture. Pyrrhotite mineralization within amphibole rich sections range from 3 to 15%, local pyrite and magnetite and is strongly magnetic.

Sample DL21-07-18 Blank
Sample DL21-07-20 Standard CDN-CM-2

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-007

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)
424.64	427.02	**WACKE** Medium grey, pinkish hue, gritty texture. Relatively massive and no layering. Local fractures at various orientations. Unmineralized. Sharp lower contact at 58 deg. To c.a. Occasional amphibole ribbons.	wacke		022	424.64	425.34	0.70					0.008					
			wacke		023	425.34	426.00	0.66					0.012					
			wacke		024	426.00	427.02	1.02					0.002					
427.02	450.10	**IRON FORMATION (MAIN)** Fine layered Iron Formation with layers ranging from 1-2cm alternating from massive magnetite layers to medium buff grey to olive green siliceous layers. Local sections with amphibole/garnet bands , weakly to moderately magnetic with 1-2% Pyrrhotite. These darker bands range from 1 to 10cm. Pyrrhotite mineralization mainly 1-3%, disseminated and small stringers to locally upto 10% within magnetite-olive green sections (441.2-444.57m). Core angles mainly 57 deg. To ca. but range from 22 to 62 deg. To c.a. Multiple, very thin, late micro-faults parallel tca show mm-scale offsets of banding. Weak 0.5% po over this interval. Sample DL21-07-040 Standard VMS4	IF	Po, sil	025	427.02	427.44	0.42	tr	4			4.540					
			Wacke		026	427.44	428.34	0.90					0.052					
			IF	mag	027	428.34	429.30	0.96		3			8.100					
			IF	mag	028	429.30	430.30	1.00		tr			0.048					
			IF	mag,gnt	029	430.30	431.40	1.10		2			1.330					
			IF/wacke	Mag,gnt	030	431.40	432.45	1.05		0.5			0.129					
			IF	gnt, amph	031	432.45	433.45	1.00					0.182					
			IF	gnt, amph	032	433.45	434.45	1.00		1.0			0.480					
			IF	gnt, amph, mag	033	434.45	435.45	1.00		2			2.470					
			IF	amph,mag	034	435.45	436.45	1.00		3			15.200					
			IF	mag	035	436.45	437.45	1.00		tr			1.050					
			IF	mag	036	437.45	438.45	1.00					2.410					
			IF	mag,po	037	438.45	439.45	1.00		5			17.800					
			wacke		038	439.45	440.45	1.00					0.022					
			wacke		039	440.45	441.17	0.72					0.464					
			Standard		040	441.17	441.17	0.00					1.400					
			IF	mag,po	041	441.17	442.17	1.00		10			7.930					
			IF	mag,po	042	442.17	443.25	1.08		8			5.360					
			IF	gnt,mag,po	043	443.25	444.35	1.10		5			10.600					
			IF	gnt, amph, mag	044	444.35	445.35	1.00		2			5.890					
			blank		045	445.35	445.35	0.00					0.002					
			IF	gnt, mag, amph	046	445.35	446.25	0.90		tr			0.717					
			IF	mag	047	446.25	447.25	1.00		tr			2.540					
			IF	mag, gnt,po	048	447.25	448.25	1.00	2	8			1.680					
			IF	po,mag	049	448.25	449.25	1.00		6			1.690					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-007

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)
			IF	mag	050	449.25	450.10	0.85		2			0.624					
450.10	452.40	**WACKE** Medium grey, pinkish hue, gritty texture. Relatively massive and no layering. Local fractures at various orientations. Unmineralized. Sharp lower contact at 85 deg. To c.a., slightly irregular Occasional amphibole ribbons. Upper and lower contact strong amphibole alteration. Possible dike?. Non magnetic.	wacke		051	450.10	451.10	1.00					0.002					
			wacke		052	451.10	452.40	1.30					0.002					
452.40	453.10	**IRON FORMATION (MAIN)** Dark green, fine grained and highly fractured and blocky. Predominantly amphibole/grunherite with pyrrhotite stringers upto 10%, locally forming along fracture planes with associated black chlorite. Local quartz shards ranging from 2-4mm, angular. One chert-quartz band with associated pyrrhotite along crosscutting fractures. Magnetite at upper contact, upper contact at 85 deg. To c.a., foliated.	IF	chl,po,amph	053	452.40	453.10	0.70	tr	7			0.151					
453.10	459.00	**FAULT ZONE** Dark grey-green, fine grained and strongly foliated and very blocky. Altered mafic volcanic, strong chlorite along fractures and foliation planes. Occasion 10-15cm fault gouge with strong clay alteration. Foliation ranges from 42-58 deg. To c.a. Local blebs of pyrite as well as very finely disseminated, tr-1%.. Occasional white quartz vein or sweat upto 1cm with associated offsetting micro fractures with associated chlorite.	FT	chl	054	453.10	454.50	1.40	0.5				0.054					
			FT	chl	055	454.50	456.00	1.50	0.25				0.211					
			FT	chl	056	456.00	457.50	1.50	tr				0.925					
			FT	chll	057	457.50	459.00	1.50	tr				0.025					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-007

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)
459.00	465.58	**IRON FORMATION (MAIN)** Dark green, fine to medium grained and locally fractured. Predominantly amphibole with pyrrhotite stringers and blebs, locally forming convoluted bands probably due to significant folding. Pyrrhotite ranges from 4 to 20% locally becoming semi-massive over widths upto 15cm. Upto 1% pyrite present mainly as blebs. Abundant micro healed fractures offsetting mineralization. Lower part of unit exhibits significant folding exhibiting convoluted especially where chert bands are present. Unit exhibits moderate to strong fabric in amphibole rich sections ranging from 20-45 deg. To c.a. Sharp lower contact with dike at 45 deg. To c.a. Local magnetite bands. 454.00-454.75 Chert band,10% Po, 0.25% pyrite as cross-cutting veinlets. Local potassic altered with local alkali pheno's, anhedral, recrystallized. Potassic alteration possibly due to adjacent felsic dike. 465.13-465.58 Chert band,15-20% Po, pyrite along fracture planes. Convoluted bedding due to folding. Sample DL21-61 Standard CDN-GS-3H	IF	amph, po	058	459.00	460.00	1.00	1	10			0.398					
			IF	amph,po	059	460.00	461.00	1.00	1	6			2.780					
			IF	amph	060	461.00	462.00	1.00	tr	10			1.490					
			standard		061	462.00	462.00	0.00					3.080					
			IF	amph, mag	062	462.00	463.00	1.00	0.25	1			0.221					
			IF	amph, po	063	463.00	464.00	1.00	tr	7			15.100					
			IF	Po	064	464.00	465.00	1.00	1	12			0.493					
			IF	Po,qtz	065	465.00	465.58	0.58	0.25	20			0.506					
465.58	466.93	**FELSIC DIKE** Fine grained to aphanitic, reddish grey and moderately fractured/blocky. Abundant healed fractures with quartz veinlets. Very hard and relatively unmineralized. Potassic altered along fractures getting more pervasive near upper contact. Lower contact at 60 deg. To c.a.	F.dy	potassic	066	465.58	466.93	1.35					0.002					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-007

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)
466.93	468.38	**IRON FORMATION** Dark green to medium grey, fine grained and locally fractured. Alternates between chert and amphibole rich bands. Amphibole with pyrrhotite stringers and blebs, locally forming convoluted bands probably due to significant folding. Pyrrhotite ranges from 4 to 20% locally becoming semi-massive over widths upto 15cm. Upto 1% pyrite present mainly as blebs. Abundant micro healed fractures offsetting mineralization. Lower part of unit exhibits significant folding exhibiting convoluted especially where chert bands are present. Unit exhibits moderate to strong fabric in amphibole rich sections ranging from 20-45 deg. To c.a. Sharp lower contact with dike at 45 deg. To c.a. Local magnetite bands. Irregular shallow lower contact. 454.00-454.75 Chert band,10% Po, 0.25% pyrite as cross-cutting veinlets. Local potassic altered with local alkali pheno's, anhedral, recrystallized. Potassic alteration possibly due to adjacent felsic dike. 465.13-465.58 Chert band,15-20% Po, pyrite along fracture planes. Convoluted bedding due to folding. Sample DL21-61 Standard CDN-GS-3H	IF	PO, amph	067	466.93	467.76	0.83	0.5	14			0.063					
			IF	Po,py,gnt,qtz	068	467.76	468.38	0.62	4	6			0.278					
468.38	468.88	**FELSIC DIKE** Fine grained to aphanitic, reddish grey and moderately fractured/blocky. Fractures predominantly at 10 deg. To c.a. Abundant healed fractures with quartz veinlets. Very hard and relatively unmineralized. Potassic altered along fractures getting more pervasive near upper contact. Lower contact at 60 deg. To c.a.	F.dy	potassic	069	468.38	468.88	0.50					0.007					
468.88	469.98	**FAULT GOUGE**	FT	graph, py	070	468.88	469.98	1.10	3	0.25			0.127					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-007

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)
		Dark grey to black, fine grained and highly brecciated. Monolithic breccia with predominantly jagged quartz shards and clasts with black clast supported matrix of graphite and amphibole. Breccia is predominately healed with local fractures with associated graphite at approx 30 deg. To c.a. 1-3 subhedral pyrite blebs and minor pyrrhotite. Several quartz veins upto 15cm.																
469.98	471.00	**IRON FORMATION** Dark green to medium grey, fine grained and locally fractured. Predominantly amphibole iron formation with quartz pods/sweats. Pyrrhotite ranges from 4 to 15% locally becoming semi-massive stringers over widths upto 10cm. Trace pyrite present mainly disseminated. Pyrrhotite commonly form boundary around quartz pods. Sharp lower contact at 55 deg.	IF	py,qtz	071	469.98	471.00	1.02	12	tr			0.026					
471.00	474.32	**MAFIC TUFF** Dark green, fine grained and relatively massive. Weak fabric predominantly at 52 deg. To c.a. Relatively unmineralized except for first 90cm with local blebs of pyrite associated with biotite alteration. First 90cm of units is moderately biotite altered decreasing down section.	MT	bio, py	072	471.00	471.90	0.90	1				0.035					
			MT	bio, qtz	073	473.80	474.32	0.52					0.012					
474.18	480.50	**IRON FORMATION (LOWER)** Variable unit composed of amphibole-rich sections, cherty sections; Iron formation consists of alternating dark amphibole bands with cherty bands. Amphibole bands consist of either amphibole-garnet or high sulfide bands with associated amphibole. Garnet-amphibole bands are weakly mineralized with trace to 1% pyrrhotite, garnets are subhedral and upto 1cm. Amphibole rich bands range from 10-40cm. Chert bands	IF	Po	074	474.18	475.18	1.00	0.25	7			0.032					
			IF	Po	075	475.18	476.18	1.00	tr	5			0.413					
			IF	amph, gnt,mag	076	476.18	477.18	1.00		tr			0.384					
			IF	amph, gnt	077	477.18	478.18	1.00	tr	2			0.006					
			IF		078	478.18	478.78	0.60		2			0.010					
			IF	Po	079	478.78	479.58	0.80	tr	25			0.050					
			IF	amph, gnt, Po	080	479.58	480.50	0.92		4			0.027					

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)
		are predominantly buff grey to locally off white, locally have pyrrhotite stringers. Core angles are variable ranging from 30-55 deg. To c.a. Unit is relatively competent with little fracturing. Sulphide sections exhibit convoluted banding possibly due to folding. Sharp lower contact with dike @53 deg. To c.a. Upper contact with volcanics is strongly altered with strong chlorite, brecciated. Occasional magnetite band. 474.90-475.74 Abundant Po bands, making up 15%, minor chalco pyrite. 478.78-479.58 Zone of 25% Po. Trace pyrite and minor cpy.																
480.50	483.22	**INTERMEDIATE DIKE** Medium grey, fine to medium grained and relatively massive. Unit is unfractured and unaltered. Irregular lower contact. Occasional quartz vein. Unmineralized. @482.75m Raft of IF, 10% Po.	l.dy		081	480.50	481.50	1.00					0.078					
			l.dy		082	481.50	482.50	1.00		1			0.002					
			l.dy		083	482.50	483.22	0.72					0.018					
483.22	486.84	**IRON FORMATION (LOWER)** Variable unit composed of amphibole-rich sections, cherty sections; Iron formation consists of dark amphibole bands with chert bands which is comprised mainly of quartz. Amphibole bands consist of amphibole-garnet . Garnet-amphibole bands are weakly mineralized with trace to 1% pyrrhotite, garnets are subhedral and upto 1cm. Amphibole rich bands range from 5-15cm. Chert bands are predominantly white quartz with inclusions of amphibole. Core angles are variable ranging from 30-55 deg. To c.a. Unit is relatively competent with little fracturing.	IF	po, amph	084	483.22	484.22	1.00	tr	1			0.207					
			IF	po, amph,gnr	085	484.22	485.22	1.00	tr	3			0.532					
			blank		086	485.22	485.22	0.00					0.002					
			IF	qtz,gnt,amph	087	485.22	486.22	1.00		0.25			0.254					
			IF	po,gnt	088	486.22	486.84	0.62		3			0.029					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-007

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)
486.84	492.90	**IRON FORMATION (LOWER)** Medium grey to darker grey green, fine grained and relatively competent. Unit consists of alternating very thin bands of magnetite and cherty bands ranging from 2-10mm. Some amphibole bands also intermixed with garnets locally. Trace to 2% finely disseminated pyrrhotite, occasional small stringer parallel to banding. Banding @50 deg. To c.a. Sharp lower contact at 43 deg. To c.a. 489.02-489.54 intermediate dike, fine grained, competent. Lower contact at 50 deg. To c.a. 490.75-492.7m Intermediate dike, fine grained, massive. Lower contact @52 deg. To c.a.	IF	gnt, mag	089	486.84	487.84	1.00		1			0.188					
			IF	gnt, mag	090	487.84	488.84	1.00	tr	2			1.890					
			IF	mag	091	488.84	489.02	0.18		2			1.660					
			I.dy		092	489.02	489.54	0.52					0.007					
			IF	gnt,mag	093	489.54	490.75	1.21	tr	1			0.104					
			I.dy		094	490.75	491.75	1.00					0.007					
			I.dy		095	491.75	492.45	0.70					0.006					
			IF	mag	096	492.45	492.90	0.45					0.082					
492.90	552.00	**MAFIC FLOW** Medium to dark green, fine to medium grained and relatively massive and unfractured. Unit is unaltered and unmineralized. Becomes more medium grained in sections down hole becoming slightly porphyritic with black amphibole porphyroblasts (anhedral). Local sections of moderate biotite alteration within more medium grained portions which is more prominent down section. Biotite alteration is over 1-2m locally. Upper contact medium grained and moderately biotite altered to 495.2m. Appears recrystallized. 509.12-511.1 Intermediate dike, weakly feldspar phyric. Upper contact @45 deg. To c.a. 511.5-512.4 Intermediate dike, weakly feldspar phyric. Irregular contacts, roughly 55 deg. To c.a.	MV	bio	097	492.90	493.90	1.00					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)
		527.2-528.5m Moderate biotite alteration EOH																

Printed: August-18-21

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Dona Lake	CLAIM NO.:	LEA-108365			DOWNHOLE SURVEY METHOD: Gyro	REMARKS: Started the hole with 2 hex corebarrels. Switched to one round core barrel at 333m. Casing remains capped and flagged.
HOLE NO.:	DL21-008	LENGTH (m):	588.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83 Zone 15	NORTHING:	5699810.000	EASTING:	702652.000	COLLAR SURVEY BY: Rig Aligner	
SECTION:	N/A	ZONE:	Main	ELEVATION (m):	396.180	DRILLING COMPANY: M3 Drilling	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	262. / -68.5	SURVEYED:	262.060 / -68.659	DATE LOGGED: Feb. 07, 2021 TO Feb. 14, 2021	Core Storage: On site
HOLE STARTED:	February 04, 2021	HOLE FINISHED:	February 13, 2021	MAG:	3.69º w	LOGGED BY: M.MacIsaac	Page 1 of 15

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	27.00	**OVERBURDEN** Tests: @39m Azim 264.82 dip -69.27 @72m Azim 264.4 dip -68.79 @126m Azim 264.81 dip -67.91 @177m Azim 265.87 Dip -67.15 @228m Azim 265.90 Dip -66.50 @344m Azim 268.74 Dip -65.25 @380m Azim 268.72 Dip -64.62 @425m Azim 269.48 Dip -64.07 @450m Azim 270.50 Dip -63.50 @498m Azim 271.15 Dip -62.98																
27.00	47.70	**MAFIC VOLCANIC** Dark green, fine-grained and moderately fractured near surface decreasing down section. Weak to moderate foliation @ 40-50 deg tca. Unit cut by 8-10% narrow 1mm to 2cm white extensional quartz-carbonate stingers and veinlets most often parallel to foliation. Entire unit is cut by even younger hairline calcareous stringers; generally perpendicular to the extensional structures and show evidence off mm-scale offsets. 43.5 - 44.45 Feldspar phyric intermediate dike, 2-3mm feldspar pheno's (subhedral). Lower contact @31 deg. To c.a.																
47.70	55.60	**ALTERED FELSIC DIKE**																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-008

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)
		Blocky and well altered unit of aplite/felsic dike. Unit is very fine-grained and dark greyish/purple colour where not altered, hosting 2-5% white phenos; silicous consisting of fine feldspar. Bleaching of the unit fairly pervasive with windows within the alteration showing darker fresher material. Alteration is bleaching the unit to a soft beige. In places the rock resembles a rhyolite. Alteration as halos around tremendous fracturing/jointing and late qtz/carb structures. Overall, the unit is 75% altered and 25% fresher dark material. Well foliated from 25-40 deg tca. Non-magnetic. Lower contact with fault zone,, no core recovery or ground core.															
55.50	60.00	**FAULT ZONE** Significant core loss, or ground core. Rounds ground finer feldspar porphyry, medium grey, pheno's up to 3mm, medium grained, No alteration or mineralization.																
60.00	71.30	**FELDSPAR PHYRIC INTERMEDIATE DIKE** Medium to locally dark grey, finer medium grey, feldspar phyric with feldspar 2-4mm, subhedral to euhedral, locally zoned. Weak to moderate fabric at upper contact decreasing down section. Becoming darker grey and less siliceous. Over last 2.5m unit becomes finer grained and slightly less feldspar phyric. Sharp lower contact @55 deg. To c.a. 65-66m Broken blocky core.																
71.30	76.10	**ALTERED FELSIC DIKE/APLITE**																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-008

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)
		Blocky and well altered unit of aplite/felsic dike. Unit is very fine-grained and dark greyish/purple colour where not altered, hosting 2-5% white phenos; silicous consisting of fine feldspar. Bleaching of the unit fairly pervasive with windows within the alteration showing darker fresher material. Alteration is bleaching the unit to a soft beige. In places the rock resembles a rhyolite. Alteration as halos around tremendous fracturing/jointing and late qtz/carb structures. Overall, the unit is 75% altered and 25% fresher dark material. Well foliated from 25-40 deg tca. Blocky lower contact.																
76.10	119.40	**MAFIC VOLCANIC** Dark green, fine-grained and locally fractured. Weak to moderate foliation @ 40-50 deg tca. Unit cut by 8-10% narrow 1mm to 2cm white extensional quartz-carbonate stingers and veinlets most often parallel to foliation. Entire unit is cut by even younger hairline calcareous stringers; generally perpendicular to the extensional structures and show evidence off mm-scale offsets. Unit exhibits strong biotite alteration locally exhibiting a strong banded with amphibole rich bands alternating with biotite bands. Local windows of unaltered mafic volcanic within altered sections. Local stringers of po-py with associated quartz veins and potassic alteration (pinkish hue). Sharp lower contact with pyroxenite @51 deg. To c.a. Moderate to strong biotite over 25cm at lower contact with pyroxenite. 85-95m Moderate to strong biotite alteration. 87.86-88.53 Mineralized zone, 5% Po, 0.25% Py. 10-15% quartz veins, potassic altered.	MV	bio,qtz,po	001	87.86	88.53	0.67	0.25	5			0.100					
			MV	bio,qtz	002	88.53	89.60	1.07	tr	0.25			0.115					
119.40	126.80	**PYROXENITE**																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-008

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)
		Dark buff green, medium to locally porphyritic with black subhedral amphibole clots up to 5mm near lower contact and relatively massive. Local coarser grained sections over 10cm giving a varitextured appearance. Non-magnetic and local minor pyrite, overall very little pyrite. Irregular lower contact with diabase. 123.40-123.95 Granitic pegmatite dike, with barren quartz veins, strong tourmaline at lower contact. Shallow irregular contact @ approx 25 deg. To c.a. 124.34-125.65 Diabase dike @80 deg. To c.a. (upper) and 26 deg. To c.a. (lower)																
126.40	148.70	**DIABASE** Massive, fine to medium-grained pervasively magnetic. Dark grey in colour with a slight coarsening of grain size in the center. Typical intrusive texture. Aphanitic at contacts gradationally coarsening towards center becoming finer medium grained. Well jointed with joints @ 60, 30 and 20 deg tca. Sharp upper contact @ approx 52 deg. To c.a. Blocky lower contact.																
148.70	195.00	**MAFIC TUFF** Medium to dark green, fine grained local weak fracturing. Unit grades from a more massive mafic volcanic to tuffaceous unit, with more rhythmic banding and more of a gritty texture. Unit cut by 8-10% narrow 1mm to 2cm white extensional quartz-carbonate stingers and veinlets most often parallel to foliation. Several bull white quartz veins mainly parallel to foliation ranging from 10 to 30cm, unmineralized. Predominant foliation																

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METALS CREEK RESOURCES

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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)
		@48 deg. To c.a.Tuffaceous banding same as foliation. Local areas of biotite alteration ranging from 1-4m, becoming more amphibolite in texture as well as locally becoming more medium grained, harder and slightly lighter in color. 199.93 - 200.32m Intermediate dike @ 59 deg. To c.a. Biotite alteration at contact within volcanics.																
195.00	221.30	**MAFIC FLOW** Medium to dark green, fine to medium grained and relatively massive and with occasional fracture. Unit is finer grained at contacts and becomes slightly coarser grained towards center. Relatively unaltered with occasional bands of biotite enrichment up to 1m. No mineralization.																
221.30	224.10	**MAFIC TUFF** Medium to dark green, fine grained local weak fracturing. Unit cut by 8-10% narrow 1mm to 2cm white extensional quartz-carbonate stingers and veinlets most often parallel to foliation. Predominant foliation @48 deg. To c.a.Tuffaceous banding same as foliation.																
224.10	225.90	**PORPHYRY DIKE** Medium grey brown, fine to medium grained and strongly feldspar porphyritic and relatively unfractured. Feldspars constitute 10-15% of the rock, range from 2-4mm and subhedral to euhedral. Finer grained at contacts with upper contact @56 deg. To c.a. And lower contact @54 deg. To c.a. Unit is non-magnetic.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-008

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)
225.90	307.74	**MAFIC TUFF** Medium to dark green, fine grained local weak fracturing. Unit grades from a more massive mafic volcanic to tuffaceous unit, with more rhythmic banding and more of a gritty texture. Unit cut by 8-10% narrow 1mm to 2cm white extensional quartz-carbonate stingers and veinlets most often parallel to foliation. Several bull white quartz veins mainly parallel to foliation ranging from 10 to 30cm, unmineralized. Predominant foliation @48 deg. To c.a.Tuffaceous banding same as foliation. Unit becomes slightly more massive down section with less extensional quartz veining. Strongly foliated lower contact @48 deg. To c.a. 236.73 - 237.29m Quartz vein with associated strong biotite at contacts. 1-3% pyrite within vein, amphibole clots. 5-15 deg. To c.a. 239.7 - 240.0m Strongly broken core, could be driller induced. 259.16 - 260.07m Lamprophyre dike, brownish grey, biotite clots, green-fine grained matrix, non-magnetic. Sharp lower contact @ 58 deg. To c.a. 291.2 - 291.95m Mafic dike, contacts at approx 60 deg. To c.a.																	
307.74	310.27	**MAFIC DIKE** Dark grey to black, fine grained and has a strong fabric @approx 48 deg. To c.a with associated quartz veinlets parallel to fabric. Unit has a gritty texture, bleaching along healed fractures. Non magnetic, strong foliation with associated biotite at lower contact.@48 deg. To c.a.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

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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)
310.27	322.67	**MAFIC VOLCANIC** Medium to dark green, fine grained local weak fracturing. Unit grades from a more massive mafic volcanic to tuffaceous unit, with more rhythmic banding and more of a gritty texture. Unit cut by 8-10% narrow 1mm to 2cm white extensional quartz-carbonate stingers and veinlets most often parallel to foliation. Unmineralized. Predominant foliation @48 deg. Sharp lower contact @63 deg. To c.a. Moderate foliation at lower contact.																
322.67	329.66	**INTERMEDIATE DIKE** Medium grey, fine grained to locally feldspar phyric with feldspar 1-3mm, subhedral. Unit is moderately to strongly silicified and very hard over first 3m of unit, becoming a more medium grey down section exhibiting a more gritty texture. Occasional fractures at 45 deg. To c.a. With local quartz veins (1cm) at same orientation. Sharp lower contact @ 42 deg. To c.a.																
329.66	333.60	**MAFIC VOLCANIC** Medium to dark green, fine grained local fracturing at various orientations. Unmineralized. Unit becomes slightly more coarser grained towards center. Relatively no extensional quartz veins.																
333.60	335.95	**INTERMEDIATE DIKE** Medium grey, fine to medium grained feldspar phyric with 5-7% subhedral feldspars. Unit exhibits a gritty texture, moderately hard and relatively massive. Sharp upper contact@40 deg. To c.a. And lower @61 deg. To c.a. Unmineralized and non-magnetic.																

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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)
335.95	355.80	**MAFIC VOLCANIC** Medium to dark green, fine grained local weak fracturing. Unit grades from a more massive mafic volcanic to tuffaceous unit, with more rhythmic banding and more of a gritty texture. Unit cut by 8-10% narrow 1mm to 2cm white extensional quartz-carbonate stingers and veinlets most often parallel to foliation. Unmineralized. Sharp lower contact @40 deg. To c.a.																
355.80	356.30	**IRON FORMATION** Silicate-sulphide iron formation with alternating bands of pyrrhotite rich bands up to 10cm with cherty bands up to 15cm. Core angles are quite variable ranging from 20-42 deg. To c.a. Whitish grey to dark grey-black. 7% Po overall with 1-2% pyrite. Chert bands are barren of sulfides.	IF	Po, qtz	003	355.80	356.30	0.50	2	7			0.016					
356.30	375.78	**MAFIC TUFF** Medium to dark green, fine grained local weak fracturing. Unit grades from a more massive mafic volcanic to tuffaceous unit, with more rhythmic banding and more of a gritty texture. Unit cut by 8-10% narrow 1mm to 2cm white extensional quartz-carbonate stingers and veinlets most often parallel to foliation. Unmineralized. Predominant foliation @43 deg. Sharp lower contact @63 deg. To c.a. Local narrow sections of chert material up to 25cm @40 deg. To c.a. Garnet-biotite alteration at contacts with chert bands. Several irregular bull white quartz veins up to 15cm sub-parallel to c.a. 357.93 - 358.14m Magnetite iron formation, thin bands, no sulfides. Banding@60 deg. To c.a.																

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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)

364.90 - 367.85m Several sub-parallel quartz veins, bull white, unmineralized.

375.78 386.90 **INTERMEDIATE DIKE**

Medium grey, fine- to locally finer medium grained and relatively massive and unfractured. Unit has a gritty texture and is relatively hard. Prominent fabric at 49 deg. To c.a. Possible some compositional banding ranging from different shades of grey. 1-2% very finely disseminated pyrite throughout. Strong biotite alteration at lower contact. Lower contact @47 deg. To c.a. Sharp upper contact at 51 deg. To c.a.

386.90 423.30 **MAFIC TUFF**

Medium to dark green, fine grained local weak fracturing. Unit grades from a more massive mafic volcanic to tuffaceous unit, with more rhythmic banding and more of a gritty texture. Unit cut by 8-10% narrow 1mm to 2cm white extensional quartz-carbonate stingers and veinlets most often parallel to foliation. Unmineralized. Moderate to strong biotite over last 1.5m as bands due to contact with dike. Lower contact@30 deg. To c.a.

419.7 - 420.4m Broken blocky core.

423.30 428.23 **INTERMEDIATE DIKE SWARM**

Medium grey, fine grained to locally finer medium grained. Several rafts of mafic volcanics up to 20cm with strong biotite. Local trace disseminated pyrite. Sharp lower contact @38 deg. To c.a. Non magnetic and relatively competent.

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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)
428.30	462.25	**MAFIC VOLCANIC** Medium to dark green, fine grained local weak fracturing. Unit grades from a more massive mafic volcanic to tuffaceous unit, with more rhythmic banding and more of a gritty texture. Unit cut by 8-10% narrow 1mm to 2cm white extensional quartz-carbonate stingers and veinlets most often parallel to foliation. Unmineralized. Sharp lower contact with dike@60 deg. To c.a.																
462.25	464.13	**MAFIC DIKE** Dark grey to black, fine grained and feldspar porphyritic with feldspars 1-3mm (subhedral). Unit is moderately hard, moderate bleaching of unit becoming medium grey and giving a patchy texture. Unit is non-magnetic and unmineralized. Several fractures which form conjugal sets @30 and 65 deg. To c.a.																
464.13	471.62	**MAFIC VOLCANIC** Medium to dark green, fine grained local weak fracturing. Occasional fractures @66 deg. To c.a., occasional clear to white quartz veins up to 5cm, unmineralized. Sharp lower contact with dike@60 deg. To c.a. Bottom 2m of unit is moderate to strong biotite alteration up to contact with iron formation with associated black amphibole clots.																
471.62	472.14	**IRON FORMATION** Banded iron formation with chert and amphibole/biotite bands with locally highly contorted bedding. Amphibole rich bands are weakly to moderately magnetic and chert bands are non-magnetic. 2-5% pyrite mainly as blebs within chert bands. Relatively sharp lower contact at 68 deg. To c.a.	IF	bio, amph,py	004	471.62	472.14	0.52	4				0.026					

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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)
472.14	476.35	**MAFIC VOLCANIC** Dark green, fine grained local weak fracturing. Unit exhibits a prominent foliation @ roughly 48 deg. To c.a. Unit contains black amphibole clots (1-2mm) increasing down section Over last 0.6m of unit, pervasive biotite alteration to contact with iron formation. Abundant barren quartz veinlets. Unit locally exhibits a pyroxenitic texture. Sharp lower contact @61 deg. To c.a.	MF	amph,bio	005	475.35	476.35	1.00					0.002					
476.35	477.33	**IRON FORMATION** Chert-argillic/pyrrhotite iron formation with bands up to 22cm. Light to medium chert bands intermixed with pyrrhotite rich band grading into an argillic iron formation with moderate graphite. Orientation of bedding predominantly 53 deg tca and showing deformation as small scale deformation towards lower contact with felsic dike. Fracturing very prominent over last 0.4m. Unit overall is approximately 70% argillitic/PO material and 30% chert. Chert and argillic sections are non-magnetic and pyrrhotite rich sections are strongly magnetic. Tr to 20% Pyrrhotite forming as stringers and bands as well as local wispy blebs predominantly within argillic sections. Upper portion of argillic section contains 30% PO decreasing down section and pyrite content increasing down section in more graphite rich sections. 476.35-476.57 Chert, no pyrite 476.57-476.78 Pyrrhotite rich section, black 476.78-477.33 Graphite-pyrite argillite, highly fractured and blocky.	IF	graph,py,po	006	476.35	477.33	0.98	3	8			0.024					

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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)
477.33	478.80	**FELSIC DIKE** Buff medium brownish grey, aphanitic and strongly fractured and blocky. Prominent fractures @ 0-5 deg. To c.a. With associate black chlorite and pyrite. Prominent healed fractures 35-60 deg. To c.a. And open fractures 55-65 deg. To c.a. White quartz pods locally (1-2cm). 1-3% pyrite blebs with local pyrrhotite stringers, probably a raft of iron formation (16cm).	F.dy	qtz,py	007	477.33	478.10	0.77	1				0.002					
			F.dy	qtz,py,po	008	478.10	478.80	0.70	3	3			0.022					
478.80	481.40	**FOLIATED FELDSPAR PORPHYRY** Medium grained, medium grey-green and moderately feldspar porphyritic. 10-12% pinkish-white feldspars (1-3mm), subhedral. Unit has a very prominent fabric at 45 deg. To c.a. Resulting in elongated amphiboles, feldspars not so much. Unit is moderately fractured with local chlorite along shallow fractures (0-10 deg. To c.a.) Foliation significantly increases over last 25cm, folded contact. Irregular upper contact.																
481.40	488.19	**HORNEBLENDE GABBRO/AMPHIBOLITE** Dark green, mainly fine grained locally to medium grained and moderately to strongly fractured. Unit is strong foliated probably due to significant folding with core angles ranging from 0 deg. Tca to 55 degrees over short distances. Upper contact show isoclinal folding with contact @ roughly 45 deg. Tca. Unit has a pyroxenitic texture with amphiboles complete obliterated to pyroxenes in upper portion of unit and remnant amphibole down showing showing shadow strain. Fracturing predominantly 15 and 65 deg. Tca. Occasional pyrite along fractures. Unit is non-magnetic. Sharp lower contact@ 45 deg tca.	Gab	hbl, pxn	009	487.19	488.19	1.00	tr				0.018					
488.19	488.54	**IRON FORMATION (MAIN)**	IF		010	488.19	488.54	0.35	0.25	10			0.145					

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		Banded amphibole-pyrrhotite and chert bands with amph-po bands constituting 65% of the unit. Chert is light to medium grey, local biotite and 0.25% pyrite and 2% pyrrhotite with local trace chalcopyrite. Minor flakes of biotite. Amphibole-po bands range from stringer to semi-massive sulfides with local trace chalcopyrite. Overall 5-35% pyrrhotite, tr-0.5% pyrite and minor chalcopyrite. Strongly magnetic within sulfide rich sections. Lower contact@49 deg. Tca.																
488.54	489.05	**FELSIC DIKE** Pinkish grey, aphanitic to fine grained and locally fractured at various orientations with associated with possible tourmaline. Abundant healed fractures @65 deg tca. Local trace disseminated pyrite along fractures. Lower contact slightly brecciated and irregular with white quartz vein.	F.dy	potassic	011	488.54	489.05	0.51	tr				0.002				
489.05	490.76	**IRON FORMATION (MAIN)** Banded amphibole-pyrrhotite and chert bands with amph-po bands constituting 55% of the unit. Chert is light to medium grey, local biotite and 0.25% pyrite and 2% pyrrhotite with local trace chalcopyrite. Minor flakes of biotite. Amphibole-po bands range from stringer to semi-massive sulfides with local trace chalcopyrite near pyrite. Overall 5-35% pyrrhotite, tr-0.5% pyrite and minor chalcopyrite. Strongly magnetic within sulfide rich sections. Lower contact@49 deg. Tca. Unit exits rhythmic banding ranging from 1 to 20cm with chert bands typically much narrower. Several barren quartz veins at or near upper contact over the first 20cm. Fractures @ 35 &65 deg. To c.a.	IF	po,amph,qtz	012	489.05	489.76	0.71	1	30				0.261				
			IF	po,py	013	489.76	490.76	1.00	1	22				1.610				

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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)
490.76	494.64	**MAFIC DIKE** Medium grey to locally pinkish, fine grained to aphanitic and highly fractured and blocky. Areas of potassic alteration along fractured and becoming more pervasive over 10-30cm. Prominent fractures @0 to 5 deg tca as well as 75 deg tca. Several small rafts/remnants up to 15cm, mainly chert. Local pyrite along fractures. Sharp upper contact@45 deg. To c.a. Irregular lower contact.	M.dy		014	490.76	492.50	1.74	tr				0.017					
			M.dy		015	492.50	494.00	1.50	tr				0.091					
			M.dy		016	494.00	494.64	0.64	tr				0.029					
494.64	503.00	**MAGNETITE IRON FORMATION (MAIN)** Fine layered Iron Formation with layers ranging from 1-2cm alternating from massive magnetite layers to medium buff grey brown to olive green siliceous layers, starting being more grey near upper contact. Local sections with amphibole/garnet bands, weakly to moderately magnetic with 1-4% Pyrrhotite. Garnets subhedral to anhedral and up to 1cm. Local tr-0.25% pyrite over first 3m of unit in more lighter grey section. These darker bands range from 1 to 10cm. Pyrrhotite mineralization mainly 1-3%, disseminated and small stringers to locally up to 5% within magnetite-olive green section. Core angles are quite variable exhibiting strong folding with isoclinal folding with core angles ranging from 0 to 66 deg. Tca. Multiple, very thin, late micro-faults parallel tca show mm-scale offsets of banding. Unit is very strongly magnetic throughout. Hit workings at 503m. Probably 455 level. Lost bit and reaming shell. Tried again and lost both again. Ended hole. Sample DL21-08-018 Blank Sample DL21-08-021 Standard HGS1	IF	mag	017	494.64	495.30	0.66	0.25	tr				0.058					
			blank		018	495.30	495.30	0.00						0.002				
			IF	mag	019	495.30	496.20	0.90	tr	0.25				0.247				
			IF	mag	020	496.20	497.00	0.80	tr	0.5				0.539				
			standard		021	497.00	497.00	0.00						3.010				
			IF	mag	022	497.00	498.00	1.00		2				2.120				
			IF	mag	023	498.00	499.00	1.00	tr	2				1.550				
			IF	mag	024	499.00	500.00	1.00		2				0.711				
			IF	mag	025	500.00	501.00	1.00		2				0.444				
			IF	mag	026	501.00	502.00	1.00		1				0.093				
			IF	mag	027	502.00	503.00	1.00	0.25	4				0.052				

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-008

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)

Printed: August-18-21

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Dona Lake	CLAIM NO.:	LEA-108365			DOWNHOLE SURVEY METHOD: Gyro	REMARKS: Hole started with 1 hex core barrel to 192m before going to double hex stabalization. Drilled into a hollow mining stope at 439.2m to 455m. Casing remains in the ground and capped/flagged.
HOLE NO.:	DL21-009	LENGTH (m):	439.2	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83 Zone 15	NORTHING:	5699810.000	EASTING:	702652.000	COLLAR SURVEY BY: Rig Aligner	
SECTION:	N/A	ZONE:	Main	ELEVATION (m):	396.000	DRILLING COMPANY: M3 Drilling	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	266. / -60.5	SURVEYED:	266.410 / -60.520	DATE LOGGED: Feb. 15, 2021 TO Feb. 19, 2021	Core Storage: On site
HOLE STARTED:	February 14, 2021	HOLE FINISHED:	February 19, 2021	MAG:	3.69º w	LOGGED BY: D.Heerema	Page 1 of 15

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	27.50	**OVERBURDEN** Gneissic boulders on bedrock. Downhole surveys.... @ 36m Azi 266.5 Dip -59.7 @ 87m Azi 267.38 Dip -57.9 @138m Azi 268.59 Dip -55.97 @183m Azi 269.25 Dip -55.41 @234m Azi 270.31 Dip -55.01 @285m Azi 270.13 Dip -54.36 @336m Azi 272.30 Dip -53.38 @387m Azi 272.56 Dip -52.79																
27.50	43.05	**VOLCANICS** Dark green, fine-grained and moderately fractured. Weak to moderate foliation @ 40-50 deg tca. Unit cut by 8-10% narrow 1mm to 2cm white extensional quartz-carbonate stringers and veinlets most often parallel to foliation. Entire unit is cut by even younger hairline calcareous stringers; generally perpendicular to the extensional structures and show evidence off mm-scale offsets. Last 3.2m of unit contains blotchy to locally pervasive brown phlogopite. 39.58 - 39.85m: felsic/aplite dike @ 60 deg tca																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-009

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)
43.05	48.40	**ALTERED FELSIC DIKE/BRECCIA** This unit is composed of green amphibolite, brown biotite and pinkish/purple dike material with a brecciated texture. The matrix appears to be a fine white quartz-rich felsic material between elongate and rounded dike and amphibolite material. The unit is variable with areas more matrix rich and poor. The dike clast material is pink/purplish silicous aplite diking like above with sharp contacts. Along with the rounded nature of the dike material are rounded to elongate biotite-rich amphibolite was fine dark brown inclusions and dark green amphibolite bands/ribbons. The entire unit is foliated from 45-50 deg tca and the clasts are elongate parallel to foliation. Unit cut by thin late quartz extensional veinlets and stringers. Sulphides present as fine disseminations of pyrite found mainly within or adjacent to biotite-rich clasts. Trace to weak pyrrhotite. Overall sulphides average <0.25% throughout. 45.45 - 45.60m: white semi-translucent qtz vein irregular tca -fracture controlled pyrite within vein																	
48.40	59.60	**FELDSPAR PHYRIC INTERMEDIATE DIKE** Dark matrix hosting 25-30% fine 2-4mm pinkish feldspar phenos. Generally more massive texture to 54.70m where a foliation develops and strengthens downhole. Non-magnetic and cut by occasional quartz veinlets. Sharp upper contact with a lower contact in a healed shear 56.85 - 57.05m: quartz vein 59.50 - 59.60m: healed shear @ 15 deg tca -beige colouration with fine gold coloured carbonate																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-009

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)
59.60	68.70	**ALTERED FELSIC DIKE** Like above, this dike is composed of green amphibolite, brown biotite and pinkish/purple dike material with a brecciated texture. The matrix appears to be a fine white quartz-rich felsic material between elongate and rounded dike and amphibolite material. The unit is variable with areas more matrix rich and poor. The dike clast material is pink/purplish silicous aplite diking like above with sharp contacts. Along with the rounded nature of the dike material are rounded to elongate biotite-rich amphibolite was fine dark brown inclusions and dark green amphibolite bands/ribbons. The entire unit is foliated from 45-50 deg tca and the clasts are elongate parallel to foliation. Unit cut by thin late quartz extensional veinlets and stringers. Lower contact at a narrow 2cm gouge seam @ 47 deg tca																
68.70	92.10	**VOLCANICS** Dark green, fine-grained and locally fractured. Weak to moderate local foliation @ 50-60 deg tca. Unit cut by 8-10% narrow 1mm to 2cm white extensional quartz-carbonate stingers and veinlets. Occasional contorting and fold of quartz/carb structures. 71.55 - 71.92m: biotite-rich section 74.20 - 74.55m: mineralized section with foliation and weak banding @ 55 deg tca -dark amphiboles with biotite alteration as well as weak quartz recrystallized quartz and fine carbonate -1cm quartz vein at 74.34m hosting 40% clotty pyrrhotite and trace cpy and sphalerite -overall po + lesser py content of 3% as discontinuous stringers -unit and sulphides cut by hairline chloritic fractures	min z		001	74.15	74.65	0.50	0.5	2			0.057					
			min z		002	77.40	77.90	0.50	0.5	0.5			0.437					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-009

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)
		-adjacent upper 5cm and lower 15cm biotite-rich 77.50 - 77.72m: quartz flooded section with 1% po + py -thin 1.5cm argillitic intersediment bed at 77.58m																
92.10	94.95	**AMPHIBOLITE SCHIST** Extremely schistose unit of light green fibrous/fuzzy looking minerals (actinolite-tremolite?). Unit is weakly mylonitic. Resembles a pyroxenite; much light green than the host volcanics. Sharp contacts. 93.20 - 93.54m: bull quartz @ 45 deg tca																
94.95	99.60	**VOLCANICS** Fine-grained, dark volcanics cut by 10% quartz/carb stringers and veinlets with local small scale breccias. 98.40 - 99.13m: diabase dike with aphanitic chill margins																
99.60	117.75	**DIABASE** Massive, fine to medium-grained pervasively magnetic. Dark grey in colour with a slight coarsening of grain size in the center. Typical intrusive texture. Aphanitic chill margins at contacts gradationally coarsening towards center becoming finer medium grained. Slightly olive green colouration within the very fine-grained material closer to contacts. Well jointed with joints @ 60, 30 and 20 deg tca. Sharp upper contact basically parallel tca. The contact is seen over >1m of																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-009

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)

core. The dike is clearly post-dating any other structures as the dike truncates older quartz veinlets in the host volcanics. Sharp chilled lower contact @ 43 deg tca.

117.75 153.00 **MAFIC TUFF**

Medium to dark green, fine grained local weak fracturing. Unit grades from a more massive mafic volcanic to tuffaceous unit, with more rhythmic banding and more of a gritty texture. Unit cut by 8-10% narrow 1mm to 2cm white extensional quartz-carbonate stingers and veinlets most often parallel to foliation. Several bull white quartz veins mainly parallel to foliation ranging from 10 to 30cm, unmineralized. Predominant foliation @ 50 deg tca. Tuffaceous banding same as foliation. Local areas of biotite alteration ranging from 1-4m, becoming more amphibolite in texture as well as locally becoming more medium grained, harder and slightly lighter in color.

137.00 - 137.22m: gentle fold in foliation with associated disseminated pyrrhotite at 1%.
-stretched quartz/carb veinlets are terminated at lower contact at an open slip plane with smeared pyrite along plane faces.

149.10 - 150.40m: more massive section containing 10% 1-2mm amygdules. Vesicles are filled with quartz and carbonate that fizzes with acid.

153.00 183.52 **VOLCANICS**

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-009

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)
		Deep green, fine to fine-medium grained mafic flow with a weak foliation. Unit is cut by relatively few quartz stringers and veinlets at <2%, ranging from 0.5 to 6cm in thickness. Sections within coarsen enough to resemble a fine gabbro. Strong biotite alteration in the last meter of the unit adjacent to the intermediate dike. 155.90 - 157.40m is a section of flow top breccia or fragmental? -elongate sub-angular light green-grey fragments within a foliated and darker green amphibolized matrix 169.50 - 169.85m: intermediate dike @ 65 deg tca. -strong biotite alteration halo in adjacent volcanics																	
183.52	188.30	**PORPHYRITIC INTERMEDIATE DIKE** Medium grey brown, fine to medium grained, hosting 10-15% feldspar phenocrysts ranging from 2-4mm and subhedral to euhedral. Finer grained at contacts; contacts wavy, upper @ 10 deg tca and lower @ 35 deg tca. Unit is non-magnetic and moderately fractured. Finely disseminated pyrite throughout at approx 0.5%.																
188.30	210.03	**MAFIC FLOWS** Deep green amphibolized and varying from very fine-grained and massive to fine-medium-grained and foliated. Strong biotite/phlogopite and coarser amphiboles over upper 0.7m adjacent to the dike. Local areas of coarse amphiboles in association with quartz structures; gradational contacts. Variable content of crack & seal quartz/carb stringers and veinlets from 0-10%. Foliation from 25-55 deg tca. Non-magnetic.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-009

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)
		204.30 - 204.53m: quartz vein @ 60 deg tca -composed of fine and coarse-grained quartz -semi opaque to opaque																
210.03	246.25	**PILLOWED BASALTS** Fine-grained, fairly massive unit of pillows with thin dark amphibolized pillow selvages. Smaller pillows with selvages generally 30cm apart ranging from 10 - 70cm. Selvages range from 35-55 deg tca. Center of pillows are fine-grained with local patches of amygdules. Tectonic cracks have resulted in 3-7% white quartz/carb stringers and veinlets.																
246.25	249.00	**FELSITE DIKE/FAULT** Extremely altered dike consisting of a dark felsic groundmass that has been subject to immense potassic alteration causing a pink/beige colouration. Alteration as halos around structures, but because the structures are so plenty the alteration is pervasive for large portions of the unit. The unit has been fracture filled by quartz/carb stringers and veinlets as well as broken up by faulting and recemented with evidence of angular shards of dike within a black chloritic/quartz groundmass from 246.61 - 246.64m. Another healed breccia present from 248.35 to 248.81m Finely disseminated pyrite within most of the dike. Contacts are somewhat subjective as alteration has bled into adjacent volcanics somewhat. 248.75 - 248.81m: aphanitic grey mafic dike @ 56 deg tca -chill margins at contacts -occasional xenolith of altered dike within mafic dike																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-009

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)
249.00	268.00	**PILLOWED BASALTS** Similar to above dike/fault, unit of fine-grained relatively massive pillows with thin dark selvages. Unit cut by 1-3% white quartz/carb stringers and veinlets. Non-magnetic and fairly competent. Contacts of the unit based upon the sudden and appearance and disappearance of the selvages.																
268.00	285.05	**MAFIC FLOW** Rock look very similar to the pillows above but no definitive selvages evident. Deep green fine-grained amphibolized. Occasional narrow seam with coarser amphiboles. 1-3% crack sealed quartz/carb stringers from parallel - 70 deg tca. Competent. 273.40 - 274.91m: fine-grained intermediate dike -grey/purplish coloured with light green alteration halos bounding thin cross-cutting quartz stringers. -upper contact somewhat diffuse and appears assimilated -lower contact sharper @ 70 deg tca																
285.05	292.40	**FELSIC DIKE** Extremely blocky unit of red/pink coloured granitic looking material. Weak porphyritic texture with 1-3% subhedral plag phenocrysts set in a feldspar-rich groundmass. Approximately 60% feldspar, 15% transparent to smokey quartz and 25% fine dark hornblende. Core is extremely blocky to 287.50m with very few pieces of core exceeding 10cm in length before becoming more competent. Rubbly upper contact but sharp lower contact @ 72 deg tca																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-009

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)

290.91 - 291.38m: volcanics

292.40 330.00 **PILLOWED BASALTS**

Fine-grained and generally massive with local areas of foliation with gradational contacts. Thin dark amphibolized selvages evident throughout with slightly coarser-grained pillow centers. For the most part the unit is rather homogenous. Cracks sealed by quartz/carb ranging from 1-7%.

296.07 - 297.02m: lamprophyre dike
-upper and lower contacts @ 34 and 70 deg tca respectively
-fine-grained grey/brown groundmass hosting 35-40% coarse biotite
-green olive seen with hand lens on broken core face
-upper contact cuts and truncates older foliation and resembles an unconformity

306.47 - 306.66m: quartz/chert vein @ 60 deg tca
-white to greyish
-thin wisps of chlorite with minor py and less po
-chloritic contacts
-weakly magnetic

307.85 - 308.08m: quartz/chert vein @ 65 deg tca
-two ages of quartz; older white/grey veining @ 65 deg tca and younger white quartz cross-cutting @ 5 deg tca
-older material somewhat resembles a cherty interbed
-trace py
-weakly magnetic

308.30 - 308.34m: chert band @ 70 deg tca
-thinly banded and magnetic
-hosting 3% pyrite

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-009

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)

324.30 - 324.90m: foliated section with moderate banding composed of fine-grained lighter green amphiboloes and darker slightly coarser amphiboles hosting fine garnets locally. The segregated bands show different tectonic deformation; the lighter bands are cut/cracked by quartz/carb stringers where the dark bands are not. Small scale ladder veins evident at 324.40m.

330.00 386.40 **BASALTS**

Fine-grained, moderate to deep green amphibolized volcanics. Massive to locally foliated, foliated sections often with associated biotite and a coarsening of amphiboles. The last 5m of the unit contains said alteration in association with diking. Competent unit with 1-2 joints per meter. Cracks sealed by white quartz/carb ranging from 0-5%, some with coarse amphibole halos. Occasional hairline carb slip showing evidence of mm-scale displacements.

332.53 - 332.70m: quartz veining @ 30 deg tca
-white to semi-transparent quartz hosting 5% small elongate rafts of volcanics within parallel to vein direction
-wavy irregular contacts
-coarsening of amphiboles and minor biotite of surrounding volcanics

337.40 - 337.58m: felsic dike @ 60 deg tca
-fine-grained
-grey/purplish hue

341.20 - 341.75m: felsic dike
-upper and lower contacts @ 40 and 10 deg tca respectively
-white-grey coloured and vari-textured from fine to medium-

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-009

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)

grained
-composed of 50% fine quartz, 30% white feldspar and 20% biotite
-coarsening of amphiboles and patchy biotite as alteration halos both 1m above and 0.5m below dike.

348.60 - 348.65m: quartz veinlet @ 45 deg tca

349.30 - 349.68m: foliated section with weak banding and gentle folding and crenulations with gentle fold noses pointing directly downhole.

357.50 - 358.40m: another section of increased foliation, slight coarsening of amphiboles and deformation in the form of crenulations and gentle warping of foliation

367.85m: immensely folded snake like quartz veinlet

369.50 - 369.90m: increased foliation with minor quartz flooding with trace pyrite

382.30 - 383.15m: intermediate dike
-very fine-grained and foliated
-grey/purplish colouration with some bleached (albitized) halos
-composed of approx 65% dark feldspar and 35% fine hornblende
-rubbly upper contact and sharp lower @ 47 deg tca

386.40 396.68 **INTERMEDIATE DIKE**

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-009

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)
		Heterolithic intermediate dike with more pronounced felsic and mafic sections. Overall the dike is a very fine-grained grey-purplish colouration with bleached alteration halos at structures. The dike is foliated with elongate wisps of pyrite parallel to foliation. From approximately 390.60 to 394.25m the dike has undergone stronger deformation and hosts much more thin anastomosing carbonate stringers with associated bleaching and silicification. As a result the rock is a paler grey/cream/beige colour with 1-20% carbonate stringers and minor clots of amphiboles with minor pyrite. Stronger pyrite and trace pyrrhotite between 393.20 and 394.25m with far less carbonate structures. From 394.25 to 396.68m is a darker more mafic looking section foliated parallel tca. 0.5 - 1% pyrite as elongate grains within foliation. Quartz-rich felsic dike material cuts this part of the interval. 392.75m: brecciated section of the dike @ 5 deg tca -quartz/carb matrix hosting angular xenoliths of dike 392.95 - 393.07m: shear with thin boudened quartz veinlets @																
396.68	402.33	**ALTERED VOLCANICS** Amphibolized and biotite altered volcanics that have been cooked up as a result of the diking. Brown clots to bands of massive biotite throughout with local evidence of folding ie. 402.15m. Hyrbid sections of partially assimilated volcanics.																
402.33	415.50	**INTERMEDIATE DIKING**	I.Dk	sil, white mica	003	414.00	415.50	1.50	tr	-			0.009					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-009

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)
		Diking starts off as the typical very fine-grained grey-purplish silicous looking dike with bleaching and small patches of pervasive potassic alteration to a buff beige-pink colouration to 404.60m From 404.60 to 408.00m is very blocky and much more potassic altered and bleached (white mica). Small windows of fresher darker material with thin calcareous stringers with alteration halos. The abundance of this section cream/beige to pink pervasively altered. Very strong foliation. A few late quartz/chlorite veinlets not exceeding 1cm in thickness. This subunit likely represents a brittle fault with no gouge. From 408.00 to 411.10m is again the very fine-grained silicous grey-purplish coloured material with more abundant quartz flooding and associated silicification. Unit cut by thin calcareous stringers with mm-scale bleached alteration halos. Sharp lower contact at a fracture. From 411.10 to 415.50m is much more mafic and resembles that of an assimilated volcanic. Gritty cooked up texture. Fine-grained consisting of fine amphiboles and biotite at approx 65%. Trace to minor pyrite. 402.84 - 403.10m: altered volcanics 412.58 - 412.95m: felsic dike @ 55 deg tca -brilliant orange colouration consisting of 80% k-spar and 20% fine amphiboles as thin wisps to stringers -dike cut by late quartz veinlet @ 5 deg tca that has healed a slip plane as evident by the 1cm off-set of the dike contact by the quartz/slip plane																
415.50	415.85	**VOLCANICS** Foliated with fine crenulations of foliation. Weak to moderate biotite alteration. Foliated 40-60 deg tca.	mv		004	415.50	415.85	0.35	tr	-			0.058					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-009

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)
415.85	417.75	**IRON FORMATION** Amphibole-sulphide-silicate formation consisting of an argillitic looking top that becomes more foliated with localized spotted texture. The unit is strongly magnetic and consists of very fine magnetite and dark amphiboles forming thin bands showing gentle deformation. Upper 70cm contains more cherty bands as well as sulphide mineralization as stringers of pyrrhotite with minor pyrite and trace to minor chalcopyrite. Sulphides average approx 15% over this interval and found with the dark amph/magnetite bands and not in the chert. Chert is buff grey colour and bands range from 0.3 to 1.1cm in width. From 416.55 to 417.00m is a section with increased quartz flooding of coarse grained white and transparent quartz. Semi-massive po present in this interval averaging 20%, but not found within the late quartz. The last 75cm of the unit is well foliated as well as bedded and appears to contain 1mm porphyroblasts locally with silicification. Sulphides as wisps and stringers of po and py averaging 5-6%. Trace cpy also. Bedding at base of interval @ 80 deg tca	IF		005	415.85	416.80	0.95	tr	20			0.010					
			Blank		006	416.80	416.80	0.00					0.002					
			IF		007	416.80	417.75	0.95	tr	10			0.007					
417.75	423.40	**AMPHIBOLITE** Well foliated unit of fine to medium-grained schistose amphiboles. Deep green in colour with a shiny somewhat gritty texture. Minor biotite alteration over upper 2m as well as weak to moderate magnetism.	amph		008	417.75	418.75	1.00	tr	-			0.005					
			amph		009	418.75	419.75	1.00	tr	-			0.002					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-009

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)
423.40	433.92	**AMPHIBOLE PHYRIC GABBRO** Sudden appearance of large amphiboles marks the start of the unit. Gabbroic texture. Dark green, mainly fine grained locally to medium grained and moderately to strongly fractured. This unit is moderately foliated compared to other holes that have intersected this vary unit with core angles ranging from 20-45 deg tca. Large oikocrysts of hornblende to 1cm in diameter. Unit cut by few thin calcareous stringers.																
433.92	437.70	**MAFIC DIKE / FAULT** Dark grey/black fine-grained dike that is badly broken throughout. Non-magnetic. Roughly 436.85 - 437.00m is a piece of black waxy healed breccia/gouge with minor orange k-spar. Moderate in hardness. Drillers lost water return at 437.45m.																
437.70	438.00	**AMPHIBOLITE** Deep green and foliated. Drillers drilled another 4 feet before hitting mine workings. Lowered rods to find the other side of the void at 455m. When they pulled the rods out of the hole, the core barrels and core tube were snapped off. There the last 4 feet or 1.22m of the core was never recovered.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Dona Lake	CLAIM NO.:	LEA-108365			DOWNHOLE SURVEY METHOD: Gyro	REMARKS: Drilled entire hole with double hex corebarrels. Casing remains in the ground, capped.
HOLE NO.:	DL21-010	LENGTH (m):	723.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5699795.000	EASTING:	702686.000	COLLAR SURVEY BY: Rig Aligner	
SECTION:	N/A	ZONE:	Main	ELEVATION (m):	394.500	DRILLING COMPANY: Cyr Drilling	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	259. / -77.0	SURVEYED:	259.340 / -77.100	DATE LOGGED: Apr. 03, 2021 TO Apr. 18, 2021	Core Storage: On site
HOLE STARTED:	April 02, 2021	HOLE FINISHED:	April 18, 2021	MAG:	3.69º w	LOGGED BY: M.MacIsaac & D.Heerema	Page 1 of 22

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	29.30	**OVERBURDEN** Single shot downhole surveys 120m Azi 263.6 Dip -75.8 170m Azi 263.6 Dip -76.3 220m Azi 267.0 Dip -75.0 270m Azi 266.9 Dip -74.5 320m Azi 267.2 Dip -74.2 370m Azi 269.0 Dip -73.4 420m Azi 268.9 Dip -72.9 470m Azi 271.2 Dip -72.5 520m Azi 271.2 Dip -71.9 570m Azi 272.1 Dip -70.5 620m Azi 272.2 Dip -69.9 670m Azi 272.1 Dip -69.2																	
29.30	36.30	**MAFIC VOLCANIC** Dark green, fine to medium grained and moderately fractured predominantly 5 to 35 deg. To c.a.with local pyrite along fracture planes. Unit becomes coarser grained down section, possibly coarse grained flow. Amphibole clots throughout. Weakly mineralized with pyrite along fractures constituting 0.5% of unit overall. Sharp moderately foliated lower contact @26 deg. To c.a. Weak to moderately biotite locally. Non-magnetic and occasional quartz veins at various orientations.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-010

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)
36.30	60.68	**FELSIC DIKE** Blocky and well altered unit of aplite dike? Unit is very fine-grained and dark greyish/purple colour where not altered, hosting 2-5% white phenos; fairly silicous consisting of fine feldspar. Bleaching of the unit fairly pervasive with windows within the alteration showing darker fresher material. Alteration is bleaching the unit to a soft beige/pinkish hue with local yellow epidote and occasional fleck of green fuchsite. In places the rock resembles a rhyolite. Alteration as halos around tremendous fracturing/jointing and late qtz/carb structures. Overall, the unit is 75% altered and 25% fresher dark material. Well foliated from 25-40 deg tca. Non-magnetic. Finely disseminated pyrite over last 2m of unit in trace quantity. Last 6m of unit becomes brownish pink in color, possibly due to an increase in potassic alteration. Abundant bleaching along healed fractures, typically found in diabase dikes. Last 50cm of unit a well hybridized section. Strongly foliated lower contact @46 deg to c.a. 41.1-44.4 Mafic dike, fine to medium grained, unaltered.																
60.68	83.50	**MAFIC VOLCANIC** Fine-grained and foliated unit of what appear to be pillows. Thin and fairly irregularly oriented dark bands (<1.5cm) present that very likely represent pillow selvages. The rocks are deep green in colour and non-magnetic. Unit intruded by white crack seal qtz/carb wisps to stringers to veinlets from <1% to 40% locally. Orientation of these structures are generally in the range of 15-25 deg tca and unmineralized. Moderately competent core until last 2m where extremely fractured and blocky. 66.0-67.9 Blocky core with associated chlorite along fractures, abundant quartz stringers veinlets at various orientations.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-010

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)
		Possible fault. 71.8-73.0 Fault Zone, chlorite 79.4-81.20 Fault Zone, chlorite 81.2- 83.50m: amphibolite with tremendous biotite and gentle folding of stratigraphy. Well foliated; Approx 35% fine brown biotite in hairline bands parallel to foliation. Trace py within. Non-magnetic																
83.50	92.10	**MAFIC TUFF** Tuffaceous volcanic well foliated and amphibolized with a stronger grittiness and shininess to minerals. Foliated predominantly at 38 deg tca. Approx 5% hornblende clots with associated biotite rich bands causing a speckled tuffacous texture to ~120m where it changes to the pillow looking material with local dark bands as possible selvages to 101.70m. Below 101.70 is the speckled tuffacous material again. Pillow material slightly less foliated. Unit is moderate to strongly blocky to 85m as well as 100.70 to 101.30m. Strong presence of late qtz/carb wisps to stringers to 4cm veinlets. Local barren white veins infilling healed fractures constituting approx 3% of unit. Gradational lower contact.																
92.10	110.50	**MAFIC VOLCANIC** Dark green, fairly massive unit of competent volcanics with weak to moderate foliation Only locally foliated, and where foliated often biotite altered. Parts of the unit are fine-grained and textureless. Unit very competent with exception of local areas as noted below. Abundant white crack sealed quartz/carb	3	bio,ser,q.v.	001	101.70	102.00	0.30	1				0.005					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-010

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)
		through ranging from 2% to 15% over 1m. Structures generally 60 deg tca. Non-magnetic. Increase in foliation over last 3m of unit until contact with felsic unit. 100.90-102.50 Zone of strong biotite-sericite alteration with trace to 0.5% disseminated pyrite. Local quartz veins.																
110.50	138.10	**HYBRID BRECCIA** This unit is composed of green amphibolite, brown biotite and pinkish/purple dike material with a brecciated texture. The matrix appears to be a fine white quartz-rich felsic material between elongate and rounded dike and amphibolite material. The unit is variable with areas more matrix rich and poor. The dike clast material is pink/purplish silicous aplite diking like above with sharp contacts. Along with the rounded nature of the dike material are rounded to elongate biotite-rich amphibolite was fine dark brown inclusions and dark green amphibolite bands/ribbons. Abundant healed fractures with associated bleaching as typically seen in some diabase dikes. Local 1-2cm irregular quartz pods infilling voids within breccia. Sulphides present as fine disseminations of pyrite found mainly within or adjacent to biotite-rich clasts. Local white quartz veins upto 5cm with associated sericite along boundaries. Trace to weak pyrite. Overall sulphides average <0.25% throughout.																
138.10	147.87	**PORPHYRY DIKE**	12	qtz, bio	002	147.40	147.87	0.47	0.5				0.007					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-010

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)
		Medium grey, medium grained and feldspar phyric dike. Moderately to strongly fractured and locally moderately foliated. Unit is unmineralized except for lower contact where it is moderately brecciated with quartz stockwork and 0.5% pyrite, Unit is feldspar phyric with 20-30% white phenocrysts. Non-magnetic. Composed of approx 45% black biotite, 25% phenocrysts and 30% fine dark plag. Few thin qtz/carb stringers. Sharp upper contact @ 48 deg tca. Strong biotite at lower contact. 147.40-147.87 Quartz stockwork, 0.5% pyrite																	
147.87	153.07	**MAFIC VOLCANIC** Dark green, fairly massive unit of competent volcanics with weak to moderate foliation Only locally foliated, and where foliated often biotite altered. Parts of the unit are fine-grained and textureless. Unit very competent with exception of local areas as noted below. Abundant white crack sealed quartz/carb through ranging from 2% to 15% over 1m. Non-magnetic. Increase in foliation over last 0.5m of unit until contact with felsic unit. 153.33-153.90 Mineralized zone, with stringer pyrrhotite (12%) and local pyrite (2%)., silicified, amphibole bands.	3	chl,py,po	003	153.33	153.90	0.57	2	12			0.067					
153.07	155.80	**INTERMEDIATE DIKE**	12	bio	004	155.30	155.80	0.50					0.002					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-010

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)
		Fine to medium grained, medium to dark grey and moderately hard. Unit is locally fractured as well as occasional quartz veinlets at various orientations. Weakly feldspar phyric with feldspar phenocrysts ranging from 2-3mm, subhedral. Unit is non-magnetic and irregular lower contact.																
155.80	161.16	**QUARTZ STOCKWORK** White to medium grey quartz veins and stringers within dark green-black amphibolite. Quartz constitutes 35 to 50% of unit with veins ranging from 1 to 50cm ranging from 30 to 50 deg to c.a. Quartz appears to be saussertized with patchy light green coloration locally. Bluish buff grey mineral within larger quartz veins throughout unit (5%) exhiibiting a patchy texture. Host rock is moderately biotite altered and silicified. Core angles are quite variable ranging from 10 to 50 deg to c.a with altered rafts as well within larger quartz veins with associated pyrite mineralization. Unit contains tr to 15% pyrite, overall averages 1-2% mainly associated with rafts within quartz or along quartz stringer boundaries. Pyrite locally cubic and commonly along fracture planes. Local sericite alteration associated with rafts within larger quartz veins. 160.35-160.57 20% pyrite, local minor Galena, moderate tourmaline & biotite. Pyrite mainly cubic.	3	bio,qtz	005	155.80	157.05	1.25	1					0.010				
			3	bio,qtz	006	157.05	158.00	0.95	0.5					0.025				
			3	bio,qtz	007	158.00	159.00	1.00	0.25					0.124				
			3	bio,qtz,py	008	159.00	160.00	1.00	0.5					0.008				
			3	bio,qtz,py	009	160.00	161.16	1.16	10					0.156				
161.16	172.80	**INTERMEDIATE DIKE** Fine to medium grained, medium to dark grey and moderately hard. Unit is relatively unfractured as well as occasional quartz veinlets at various orientations towards upper contact. Weakly feldspar phyric with feldspar phenocrysts ranging from 2-3mm, subhedral. Unit is non-magnetic and sharp upper contact @ 61	12		010	161.16	162.00	0.84	0.25					0.012				

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-010

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)
		deg to c.a. First 3m of unit is strongly biotite altered and exhibiting a strong foliation and banded texture. Trace to 0.5% disseminated pyrite.																
172.80	254.90	**MAFIC VOLCANIC** Dark green, fairly massive unit of competent volcanics with weak to moderate foliation Only locally foliated, and where foliated often biotite altered. Parts of the unit are fine-grained and textureless. Unit very competent. Abundant white crack sealed quartz/carb through ranging from 2% to 15% over 1m. Structures generally 60 deg tca. Non-magnetic. Brecciated lower contact with diabase dike. 220.70-221.89 Mafic dike, aphanitic,22 deg to c.a. 234.28-235.24 Lamprophyre dike, black amphibole clots.																
254.90	283.80	**DIABASE** Massive, fine to medium-grained pervasively magnetic dike. Dark grey in colour with a slight coarsening of grain size in the center. Classic intrusive texture. Contacts show great chill margins of 1-3cm dark grey obsidian followed by aphanitic light grey diking then gradationally coarsens away from the contacts for approx 1.5m. Minor disseminated pyrite. Well jointed with joints @ 60, 30 and 20 deg tca. Contacts @ 32 deg tca. First 10m of unit is strongly blocky. Sharp lower contact @68 deg to c.a.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-010

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)
283.80	358.17	**MAFIC VOLCANICS** Dark green, fairly massive unit of competent volcanics with weak to moderate foliation Only locally foliated, and where foliated often biotite altered. Parts of the unit are fine-grained and textureless. Unit very competent. Abundant white crack sealed quartz/carb through ranging from 2% to 15% over 1m. Structures generally 60 deg tca. Non-magnetic. Sharp upper contact with diabase dike. First 12m of unit exhibits amphibolite texture, strong fabric, medium grained. Core angles are becoming more shallow towards lower contact down to 15 deg to c.a. Sharp lower contact @15 deg. 284.65-284.75 Mafic dike, aphanitic,22 deg to c.a. 285,2-286.10 Mafic dike, fine grained, 1% py, local qtz stringers 286.45-286.65 Mafic dike, aphanitic 305.86-306.14 Intermediate dike, aphanitic 322.71-323.86 Felsic Dike, potassic altered, 5% quartz veins, sheared lower contact, 3% pyrite. Biotite alteration at upper contact. 339.5-339.7 White, barren quartz vein.	3	qtz,py	011	285.00	285.44	0.44	2				0.005				
			3	qtz, py, kspar	012	322.71	323.86	1.15	3				0.009				
358.70	378.40	**PORPHYRY DUKE** Gritty dike consisting of approx 25% hornblende, 30% fine feldspar +/- quartz and 35% white feldspar phenocrysts. Phenos range from 1mm to 4mm in diameter; generally subhedral in shape and exhibiting zonation within larger phenocrysts. Unit has a weak foliation. Dike is grey in colour. Finely disseminated pyrite locally at 0.25%. Pyrite also evident in late quartz structures. Non magnetic. Fairly gradational upper contact but sharp lower contact @ 47 deg tca Several mafic volcanic rafts within unit. White 30cm quartz vein, barren at lower contact.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-010

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)
378.40	381.56	**MAFIC VOLCANICS** Dark green, fairly massive unit of competent volcanics with weak to moderate foliation First meter of unit is strong biotite altered and foliated then becomes massive. Parts of the unit are fine-grained and textureless. Unit very competent. Abundant white crack sealed quartz/carb through ranging from 2% to 15% over 1m. Structures generally 60 deg tca. Non-magnetic. Irregular lower contact.																
381.56	409.70	**INTERMEDIATE DIKE** Medium to dark grey/black fine grained a d relatively competent. Unit exhibits healed fractures with associated bleaching at various orientations. Minor pyrite locally, several white quartz veins (unmineralized) upto 32cm. Occasional feldspar phenocryst upto 3mm. Non magnetic. Lower contact@25 deg to c.a. Minor disseminated pyrite locally. Foliated lower contact@32 deg to c.a. 396.13-399.17 Mafic volcanic raft																
409.70	456.50	**MAFIC VOLCANICS** Dark green, fairly massive unit of competent volcanics with weak to moderate foliation. Parts of the unit are fine-grained and textureless. Unit moderately competent with local blocky sections. Local white crack sealed quartz/carb. Non-magnetic. Upper 3m moderately foliated. Unmineralized. Sharp lower contact with felsic dike @ 45 deg to c.a. Lower most 2m of unit exhibits moderate brittle fracturing with quartz/carb vein infilling. 432.95-433.25 Intermediate dike																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-010

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)
456.50	465.50	**FELSIC DIKE** Brownish pink, fine grained to locally porphyritic and highly fractured. Unit appears to be moderately to strongly potassic altered as well as some hematite overprinting with more of a brownish coloration. Local remnants of protolith being more intermediate in composition and feldspar porphyritic. S These feldspar phyric sections only 20-25cm in length. Several clear white quartz veins at 45 deg to c.a. Unit is very blocky, possibly due to contact with fault at lower contact. Minor trace disseminated pyrite. Sharp, moderately foliated upper contact and strongly brecciated lower contact.																
465.50	467.60	**FAULT GOUGE** Dark green, highly fractured and foliated and fine grained. Fractured at various orientations. Unit exhibits strong brecciated locally, exhibiting a jig-saw breccia texture with quartz-carb infilling matrix. Occasional narrow clay seam @approx 45 deg to c.a. as well as talc along fracture planes. Some evidence of folding, occasional narrow quartz veins. Unmineralized and non-magnetic.																
467.60	554.50	**MAFIC VOLCANICS** Dark green, fairly massive unit of competent volcanics with weak to moderate foliation. Parts of the unit are fine-grained and textureless. Unit moderately competent with local blocky sections. Occasional white crack sealed quartz/carb, increasing downhole. Non-magnetic. Unmineralized. Sharp lower contact with felsic dike @ 45 deg to c.a. Local fractures predominantly 45 & 60 deg to c.a. Unit locally exhibits tuffaceous texture over 6-9m with weak banding. Unit is becoming increasingly blocky																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-010

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)

down section with occasional micro fault with associated clay alteration (talc). Sharp lower contact@ 45 deg to c.a.

473.7-474.70 Pyroxenitic texture with hornblende clots.
513-522 Unit is moderately blocky and broken up, some possibly driller induced.
521.85-522.01 Chert, 2% pyrite
537.2-537.32 Clay/fault gouge
541.30-542.00 Fault zone, strong foliation, quartz veinlets, blocky

554.50 555.60 **INTERMEDIATE DIKE**

Medium to dark grey, feldspar phyric with feldspars subhedral and upto 3mm with aphanitic to fine grained groundmass. Sheared lower contact @ 47 deg to c.a. Non magnetic. Moderate bleaching, especially associated with healed fractures. Minor disseminated pyrite. Biotite at upper and lower contacts. Local fractures at various orientations.

555.60 568.00 **FAULT ZONE**

Well fractured and brecciated section that represents a healed fault zone as well as some reworking. Brecciated sections contain fine chlorite/quartz/carb cement hosting angular to sub-angular host volcanics. Very shallow core angles to thin anastomosing quartz/carb stringers. Host volcanics are slightly softer and bluish hue than typical volcanics here. Irregular quartz veins show clotty green/yellow epidote and very local k-spar. Patchy pyrite as blebs from 1mm to euhedral cubic blebs to 4mm in diameter. Breccias exhibit local jig-saw texture @ approx 5 deg to c.a. Talc alteration along fractures.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-010

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)
568.00	584.61	**MAFIC VOLCANICS** Dark green, fine grained becoming slightly coarser down section and moderately fractured. Rocks consist of amphibole alteration from fine-grained to moderately foliated and slightly coarser-grained to more schistose patches with biotite alteration bands. Strongest biotite over last 1.1m of the unit adjacent to a iron formation. Well fractured unit cut by 1-3% quartz/carb stringers and veinlets to 5cm at various orientations. Occasional k-spar veins, granitic in composition (5-10cm). 576.0-576.12 Chert, pyrite at contact, biotite-amphibole alteration on both contacts. 576.62-579.40 Fault zone, clay altered, qtz-carb veinlets, weakly brecciated.	3	hbl,bio	013	584.11	584.61	0.50	tr	tr			0.020					
584.61	591.00	**IRON FORMATION (UPPER)** Very finely bedded unit of dark grey to black argillitic material with cherty bands. Upper portion of unit has more wacke with diffuse banding and occasional pyrrhotite stringer as well as being moderately amphibole-biotite altered. Bedding ranging from <0.5mm to 2cm. Orientation of bedding from 55 to 67 deg tca and showing deformation as small scale crenulations locally. Unit overall is approximately 45% wacke. 30% argillitic material and 25% chert. Upper portion more wacke rich and bottom 3m of unit alternating chert-argillic section with strong pyrrhotite mineralization within argillic sections. Chert-argillic sections exhibits wider banding ranging from 2-10cm. Cherty sections are buff grey/white and argillic bands are black Unit is moderately to strongly magnetic and relatively competent with local fractures. Occasional thing magnetite band within first 0.8m of unit.	IF	po,amph,bio	014	584.61	585.10	0.49	0.25	3			0.018					
			wacke	amph,bio	015	585.10	586.00	0.90	tr	0.25			0.002					
			wacke	amph, bio	016	586.00	587.00	1.00		1			0.002					
			wacke	amph,bio	017	587.00	588.00	1.00		tr			0.006					
			IF	po,amph	018	588.00	589.00	1.00	tr	5			0.018					
			blank		019	589.00	589.00	0.00					0.002					
			IF	po,amph	020	589.00	590.00	1.00	0.5	18			0.020					
			standard		021	590.00	590.00	0.00					3.030					
			IF	po,amph	022	590.00	591.00	1.00	0.5	14			0.019					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-010

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 in the form of fine green amphiboles and pyrrhotite. Amphiboles locally form very thin wisps to bands as well as slightly more pervasive alteration over first 3.5m of unit. Graphite common in darker argillitic sections along foliation planes. Pyrrhotite and minor pyrite throughout but strongly associated with dark argillitic sections and amphiboles. Sulphides range from blebs to weak small stringers within wacke rich upper portion to pervasive pyrrhotite as stringers and bands within argillic sections and overall constitute approx 15-20% of lowermost portion of unit and 7% overall of unit. Po:py ratio of approx 20:1.Sharp upper contact@66 deg to c.a. Standard CDN-GS-3H used for sample 021																
591.00	609.82	**HORNEBLENDE GABBRO** Rather homogenous unit of dark green melanocratic gabbro consisting of fine to medium-grained groundmass hosting coarser-grained amphiboles to 1cm in length resulting in a pyroxenitic appearance. Weak pervasive magnetism. Cut by very occasional quartz/carb veinlet. Competent with few breaks. Biotite alteration over last 0.8m of unit, pervasive to 50% locally with local pyrite and pyrrhotite. Upper 3m of unit grades from amphibolite to hornblende gabbro. 596.47-596.73 White quartz vein, irregular contacts	mgab	hbl	023	591.00	591.50	0.50	tr	0.25			0.002					
			mgab	hbl	024	608.82	609.82	1.00	tr	-			0.006					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-010

METERAGE FROM	METERAGE TO	DESCRIPTION
609.82	634.30	**IRON FORMATION (MAIN)** As a whole the unit consists of mainly finely banded magnetite-amphiboles-chert with local sections of argillitic and wacke material as well as localized garnets. Magnetite bands generally on a mm-scale bound by amphibole growth. Chert bands from approx 5mm to 5cm in width and vary from dark grey/black to soft green to light grey/white in colour. Sulphides throughout varying from <1% to semi-massive pyrrhotite with less pyrite and minor chalcopyrite. Generally very competent unit with few blocky sections. Unit somewhat heterogeneous and can be broken down into further detail below. From 609.82 to 610.60m is a extremely cherty section of 65% dark grey to light grey-white chert exhibiting strong folding in the center of the interval. Banding @ 65 deg tca. Pyrrhotite as stringers conforming to bedding at 5% within the well banded material and semi-massive pyrrhotite to 40% within the strongly deformed material. Overall po of 25% over interval with trace cpy and py. From 610.60 to 611.90m is a very fine-grained, dark argillitic section hosting significant pyrrhotite as tiny 1-2mm blebs in crenulated calcareous stringers parallel to bedding and semi-massive at 50% over the upper 70cm of the interval. Deformation as folds evident in the semi-massive pyrrhotite. Occasional late hairline po stringer cross-cutting bedding. From 611.90 to 614.70m is a chert-rich section of well banded light grey to white chert with very narrow amphibole +/- magnetite bands and weak to moderate garnets within dark amphibole bands. Banding is relatively undisturbed @ 70 deg tca with clean distinct bands. Trace to 0.5% pyrrhotite as fine disseminations and occasional stringer. Lower contact based

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)
IF	strong po	025	609.82	610.60	0.78	tr	25			0.311					
IF	strong po	026	610.60	611.60	1.00	tr	30			0.162					
IF	mod po, weak amph garnet	027	611.60	612.15	0.55	tr	3			0.114					
I.dk		028	612.00	613.00	1.00	-	-			0.005					
IF	weak amph, garnets	029	613.00	613.80	0.80	-	<1			0.047					
I.Dk		030	613.80	614.62	0.82	-	-			0.005					
IF	strong amph, weak garnet	031	614.62	615.62	1.00	-	0.5			0.540					
IF	strong amph, weak garnet	032	615.62	616.62	1.00	-	0.5			0.527					
IF	strong amph, weak garnet	033	616.62	617.70	1.08	-	0.5			0.107					
I.Dk		034	617.70	618.43	0.73	-	-			0.023					
IF	moderate amph, garnet	035	618.43	619.43	1.00	tr	<0.5			0.122					
Blank		036	619.43	619.43	0.00					0.002					
IF	moderate amph, garnet	037	619.43	620.43	1.00	tr	<0.5			0.114					
IF	moderate amph, garnet	038	620.43	621.43	1.00	tr	<0.5			0.108					
IF	strong amph, garnets	039	621.43	622.50	1.07	tr	<0.5			0.770					
IF	strong amph	040	622.50	623.50	1.00	tr	<0.5			0.458					
IF	strong amph	041	623.50	624.50	1.00	tr	1			0.852					
IF	strong amph	042	624.50	625.50	1.00	tr	<1			0.930					
IF	strong amph, garnets	043	625.50	626.50	1.00	tr	1			0.151					
IF	strong amph, garnets	044	626.50	627.60	1.10	tr	5			2.740					
IF	strong amph, garnets	045	627.60	628.70	1.10	tr	3			3.650					
wacke		046	628.70	629.17	0.47	-	-			0.036					
Standard		047	629.17	629.17	0.00					1.680					
IF	strong amph, garnets	048	629.17	630.27	1.10	tr	2			0.683					
IF	strong amph, garnets	049	630.27	631.27	1.00	tr	4			1.500					
IF	strong amph	050	631.27	632.27	1.00	tr	3			1.480					
IF	strong amph	051	632.27	633.27	1.00	tr	<1			0.362					
wacke/IF		052	633.27	634.30	1.03	tr	1.5			0.016					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-010

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)

upon appearance of stronger amphibole content and drop in chert.

612.15 - 613.00m: intermediate dike
-dark with a more silicous and weakly porphyritic center
-weak orange pervasive k-spar

613.80 - 614.62m: intermediate dike
-dark and weakly foliated
-non-magnetic

From 614.70 to 617.70m is a section of IF with much stronger amphibole and magnetite content causing a more buff green colouration to the rock. Banding still generally <1cm in thickness and show little deformation aside from occasional gentle wave in bedding. Bedding angles pretty consistent @ 70 deg tca. Massive magnetite bands 1-3mm in thickness with amphibole along magnetite boundaries. Unlike above, these bands are more diffuse with amphiboles having a sort of fuzzy growth. Amphiboles from beige to deep green. Deep green amphiboles are generally coarser-grained with garnet growth. Weak sulphide mineralization present as thin wisps to narrow stringer pyrrhotite not exceeding 1%. Late calcareous slip planes cross-cutting and displacing bedding some 5mm at 616.70m.

617.70 - 618.43m: intermediate dike/wacke
-dark and non-magnetic

From 618.43 to 621.45m contains more chert banding than above and less green amphiboles. Cherty bands are dark grey to white with much less magnetite and amphibole banding. Garnets slightly more abundant in almost black amphibole bands. Banding still shows little deformation with occasional

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)

area of waviness. Sulphides remain very weak here. Increased fracturing between 620.40 and 621.33m with a brecciated texture like that of a re-activated healed fault.

From 621.45 to 633.27m is another section of strongly amphibolized rock causing a more diffuse appearance of the banding. Massive magnetite banding from 1-3mm evident with light to dark green and locally black amphiboles. Lighter coloured amphiboles are finer-grained and coarser as the green colour darkens. Strong garnet growth associated with black amphibole. Amphiboles have a mottled to fuzzy texture muddling the distinction of the banding. Chert bands are generally dark grey with local greenish/white bands between 627.30 and 627.70m. Banding angles are shallowing downhole to 45 deg tca by 631m and steepen slightly to 50 deg tca by 634.50m. Slightly increase in bedding deformation starting at 627.30m. Gentle waves and crenulations to the bedding to base of unit. Occasional late semi-transparent-white quartz veinlets from 3-8cm with associated coarse blebby pyrrhotite. Occasional cross-cutting calcareous fracture sub-parallel tca displacing bedding on mm-scale.
Pyrrhotite mineralization increases in abundance starting at 626.50m as schistose wisps, blebs and anastomosing stringers forming semi-massive sulphides locally over 10-20cm sections. Sulphides most abundant to 631.75m. Sections of strongest mineralization between 626.60 to 626.80m, 627.20 to 628.00m, 629.87 to 630.04m and 630.75 to 630.95m.

624.44 - 625.53m: section of core that appears to have been redrilled. Perhaps slipped out of core tube and was drilled over. Narrower and misshaped.

628.70 - 629.17m: wacke
-dark and fairly massive

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-010

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)
		629.50 - 629.65m: very fractured, natural breaks From 633.27 to approximately 634.10m is a section of dark wacke with a weak fabric. Very blocky and fractured lower 25cm making the exact measurement murky. 634.10 to 634.30m is a finely banded and well mineralized piece of IF with 10% pyrrhotite Standard 047 used CDN-CM-2																
634.30	634.65	**FAULT** Badly fractured and blocky fault with an upper solid 10cm piece of silicified and weakly potassic altered dike/healed breccia followed by extremely broken ground and a 3cm seam of gouge. The gouge is black and contains shards of orange potassic material. Following the gouge are pieces of rock with minor quartz and blebby pyrite. Fault orientation of approx 70 deg tca.	Flt		053	634.30	634.65	0.35	tr	-			0.245					
634.65	671.40	**VOLCANICS** Deep green and amphibolized mafics with areas of increased grain size to some of the amphiboles resulting in a spotted texture somewhat similar to the gabbro unit uphole. Slightly increase in coarser amphiboles below 659m. Unit varies from more massive to foliated. Very fractured unit with tremendous breaks possibly brittle fault zones. Common fracture orientation of 50-55 deg tca. Occasional late semi-opaque white quartz veinlets from 1 - 14cm in width. Narrow crack & seal quartz common between 661.50 and 664.20m. Moderate orange	vol		054	634.65	635.65	1.00	-	-			0.089					
			vol/IF		055	656.81	658.20	1.39	1.5	tr			0.142					
			vol		056	670.20	671.40	1.20	2.5	tr			0.204					

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)

potassic alteration between 664.20 and 667.00m.

653.00 - 653.90m: slightly more massive and finer-grained section of volcanics hosting purple garnets from 1-3mm and to 10% in abundance.

656.81 - 656.98: semi-opaque white quartz vein @ 47 deg tca

656.98 - 658.20m: well foliated volcanics/IF with weak banding and coarser amphibole growth. Moderate magnetism. Grey-white quartz as flooding/bedding from 657.40 - 657.70m. Mineralized with disseminated and blebby pyrite at approx 1.5% overall. Late quartz veinlets with minor orange k-spar, 3cm in thickness at 657.15 and 658.17m.

662.20m: thin 3mm gouge seam @ 12 deg tca

665.88 - 665.96m: semi-opaque quartz vein @ 70 deg tca

670.20 - 671.40m is a section of slightly increased silicification and magnetism and certainly pyrite mineralization. Dark green to black amphibolization, cut by very thin late quartz and occasional mineralized calcareous stringer. Sulphides as fine disseminations to irregular blebs to occasional stringer and abundance increases downhole to 5% over last 40cm. Overall pyrite of 2.5%. Gradational upper contact and lower contact with dike.

Strongest fracturing/blockiness from 636.00 to 639.00m, 645.40 to 646.20m, 649.70 to 650.50m, 658.20 to 660.40 and 664.90 to 670.20m.

671.40	672.20	**FELSIC DIKE**	

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-010

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)
		Purplish-grey groundmass hosting 10-15% white to cream phenocrysts 1-3mm in diameter. Minor potassic alteration as thin alteration halos of breaks and stringers. Badly broken																
672.20	682.10	**VOLCANICS/FAULT ZONE** Like above the dike, the unit is extremely fractured with zones of immense fracturing and ground gravel type material. The rocks are well foliated, locally biotite altered, locally k-spar altered as well as hosts more localized narrow qtz/carb stringers and veinlets. The unit is quite heterogeneous. Upper 10cm is broken up quartz veining hosting blebby pyrite. Biotite alteration strongest between 674.40 and 674.90m. From 676.90 to 678.80m is a silicified and mineralized section with appears as quartz flooded volcanics but could perhaps be iron formation? Texture is that of host volcanics with areas of weak to moderate light grey quartz flooding (15% overall) as sections of very dark argillitic looking patches. Variable strength and orientation to foliation. Pyrite mineralization throughout averaging 5% as disseminations, coarse blebs and occasional semi-massive to massive stringers and veinlets. General orientation of stringers to veinlets 5 - 45 deg tca. The darker argillitic looking patches carry the strongest sulphides. This section much more competent than the surrounding rocks. Upper and lower contacts in rubble but fracture faces @ 37 deg tca. 678.90 - 679.00m: gravel size material 679.90 - 680.40m: extremely blocky with gravel size material	min		057	676.90	677.90	1.00	5	-			0.043					
			Blank		058	677.90	677.90	0.00					0.005					
			min		059	677.90	678.90	1.00	5	-			0.036					
			vol/flt		060	678.90	680.40	1.50	-	-			0.005					
			min		061	680.40	680.96	0.56	4	tr			0.168					
			vol/flt		062	680.96	682.10	1.14	-	-			0.044					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-010

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)
		680.40 to 680.96m is another mineralized section with fine dark amphiboles and 4-5% disseminated to blebby pyrite with minor pyrrhotite. 681.05m: anastomosing soft gouge seams @ approx 50 deg tca followed by gravel size material. Last 5cm of fault is a semi-hard gouge seam @ 42 deg tca with shards of quartz within. Strongest areas of fracturing/breaks with very low RQD values are between 672.20 and 673.00m, 674.90 and 676.00m, 675.80 and 676.90m, 678.80 and 680.40m as well as 681.05 and 682.10m.																
682.10	685.10	**IRON FORMATION (LOWER)** Finely banded unit of dark grey magnetite and light green amphiboles resulting in a green-grey striped unit. Magnetite bands are thinner than amphiboles not exceeding 4mm. Uniform banding @ 50-60 deg tca showing very little deformation aside from the occasional crenulation. Occasional hairline structure cutting bedding showing mm-scale sinistral displacements of bedding. Thin carbonate stringers over upper 47cm. Weak pyrrhotite mineralization as 2-9mm blebs, generally elongate conforming to bedding; averaging 0.5 at best. 682.60 - 682.80m: wacke/volcanics -badly broken 682.90 - 683.00m: band of 80% garnet with trace disseminated po	IF	mod amph	063	682.10	683.25	1.15	tr	<0.5			0.206					
			IF	mod amph	064	683.25	684.40	1.15	tr	<0.5			0.151					
			F.Dk	potassic	065	684.40	685.10	0.70	-	-			0.042					

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)
		684.40 - 685.00m: felsic/intermediate dike @ 50 deg tca -very fine-grained., dark grey to purplish -tremendous hairline stringers with orange k-spar alteration halos -brick red alteration halo of 2cm surrounding thin 1-2mm quartz stringers at 684.90m 685.00 - 685.10m: banded IF @ 52 deg tca																
685.10	688.03	**VOLCANICS** Generally foliated and green amphibolite altered volcanics that could be pillows. Fine to medium-grained locally and cut by thin quartz/carb stringers and veinlets. Occasional shallow angled carb structures that show evidence of displacement of older structures. Fairly competent rock.	vol		066	685.10	686.10	1.00	-	-			0.002					
688.03	697.75	**FELSIC/INTERMEDIATE** Fine-grained, dark grey to purplish to pink and hosts 1-10 tiny white phenos. Massive texture. Competent rock with few breaks but an abundance of healed hairline structures with bleached and potassic altered halos. Small sections of the diking are more pervasive pink/red coloured showing a much more felsic appearance. Fine disseminated pyrite at <0.25%. 688.60 - 688.82m: volcanics @ 45 deg tca 692.38 - 693.00m: volcanics @ 40 deg tca																
697.75	716.00	**VOLCANICS**																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-010

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)
		Deep green and relatively massive with only local foliation and associated biotite, quartz and coarser amphiboles. The rocks are fine-grained and rather featureless with light green stringers as well as weak thin carbonate stringers. Fairly competent rock with approx 3 breaks per meter. Six quartz veinlets from 1 - 10cm between 709.67 and 715.00m. Subjective and gradational lower contact with adjacent gabbro. 710.87 - 710.97m: bull white quartz vein @ 70 deg tca 710.97 - 711.05m: felsic dike of medium to coarse-grained granitic material																
716.00	723.00	**HORNBLENDE GABBRO** Rather homogenous unit of dark green melanocratic gabbro consisting of fine to medium-grained groundmass hosting coarser-grained amphiboles oikocrysts to 1cm in length resulting in a pyroxenitic appearance. Weak fabric with local areas of increased foliation. Unit cut by occasional quartz/carb stringer. Weak biotite alteration locally. Weakly disseminated pyrite +/- pyrrhotite and needles like arseno?																

Printed: August-18-21

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Dona Lake	CLAIM NO.:	LEA-108365			DOWNHOLE SURVEY METHOD: Gyro	REMARKS: Started the hole with one hex core barrel and long reaming shell. Switched to the round core barrel at 268m. Drill above hole DL21-007. Casing remains in the ground and capped.
HOLE NO.:	DL21-011	LENGTH (m):	492.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5699750.600	EASTING:	702606.200	COLLAR SURVEY BY: Reflex Rig Aligner	
SECTION:	N/A	ZONE:	Main	ELEVATION (m):	390.000	DRILLING COMPANY: Cyr Drilling	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	264. / -61.0	SURVEYED:	264.000 / -61.000	DATE LOGGED: Apr. 19, 2021 TO Apr. 27, 2021	Core Storage: On site
HOLE STARTED:	April 18, 2021	HOLE FINISHED:	April 27, 2021	MAG:	3.69º w	LOGGED BY: D.Heerema	Page 1 of 29

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	18.70	**OVERBURDEN** Single shot downhole surveys 30m Azi 264.4 Dip -60.8 80m Azi 265.2 Dip -60.1 130m Azi 265.3 Dip -59.6 180m Azi 266.0 Dip -59.0 230m Azi 265.8 Dip -58.6 280m Azi 266.2 Dip -58.0 330m Azi 269.4 Dip -57.6 380m Azi 271.1 Dip -57.0 430m Azi 275.0 Dip -56.3 480m Azi 276.5 Dip -55.7																
18.70	26.00	**DIABASE** Very fine to fine-grained and massive unit of magnetic diabase. Classic massive intrusive interstitial texture of approx 50% plag within 50% pyroxenes. Magnetism decreases along with grain size becoming non-magnetic in finest material. Upper contact not drilled and lower contact shows a great aphanitic chill margin @ 45 deg tca. Brittle fault from 24.31 to 24.80m																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-011

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)
26.00	35.40	**VOLCANICS** Very deep green almost black when wet. Very fine-grained with occasional patches of slightly coarser plag +/- orange k-spar. Weak to moderate foliation @ 65 deg tca. Unit cut by 8-10% narrow 1mm to 1cm white extensional quartz-carbonate stingers and veinlets most often parallel to foliation. Occasional angular shards of host volcanics within this structures. Entire unit is cut by even younger hairline calcareous stringers; generally perpendicular to the extensional structures and show evidence off mm-scale offsets. 27.86 - 28.17m: healed shear/dike zone @ 50 deg tca -55% white quartz as 1-7cm veinlets -strong biotite alteration between the quartz veins with thin quartz veinlets forming weak banding -moderate to strong orange k-spar -1% pyrite	vol		001	27.36	27.86	0.50	-	-			0.007					
			shr		002	27.86	28.17	0.31	1	-			0.059					
			vol		003	28.17	28.67	0.50	-	-			0.029					
35.40	47.07	**FOLIATED VOLCANICS** Interval of immense alteration with very strong foliation and local schistosity. Alteration through this interval consists of >45% phlogopite, deep green amphibole, carbonate, biotite and weak chlorite associated with local quartz flooding. As a result of the strong deformation; weak banding has resulted. Quartz/felds flooding as irregular veins from 2 to 6cm in true width parallel to foliation @ 55-60 deg tca with minor green chlorite along contacts showing good evidence of small scale folding. Pyrite mineralization present locally as fine disseminations to coarser blebs to rarer discontinuous stringers. Strongest sulphide mineralization between 38.50 and 39.00m. 37.05m: open fracture @ 42 deg tca with 3mm soft gouge	fol vol		088	36.00	37.05	1.05	tr	-			0.006					
			fol vol		089	37.05	37.63	0.58	.25	-			0.329					
			fol vol		089A	37.63	38.19	0.56	tr	-			0.016					
			fol vol		004	38.19	38.69	0.50	0.25	-			0.589					
			QV		005	38.69	39.00	0.31	6	-			0.541					
			fol vol		006	39.00	39.50	0.50	0.25	-			0.078					
			fol vol		090	41.75	42.50	0.75	tr	-			0.011					
			fol vol		091	42.50	43.47	0.97	0.25	0.25			0.010					
			fol vol		092	43.47	43.96	0.49	tr	-			0.008					
			fol vol		093	43.96	45.00	1.04	0.25	-			0.098					
			fol vol		094	45.00	45.52	0.52	0.50	tr			0.035					
			fol vol		095	45.52	46.00	0.48	tr	-			0.049					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-011

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)
		37.70 - 38.10m: fractured section with two crosscutting 1-3mm seams of soft gouge @ 5 and 10 deg tca. 38.69 - 39.00m is a very dark section of very fine black amphiboles associated with quartz flooding from 38.82 to 38.98m. Coarse semi-transparent and white quartz with a soft tinge of green (chlorite) along some contacts. Coarse blebby pyrite within quartz and bleeding into host rock. Overall this sort interval hosts 5-6% pyrite. 39.80 - 40.30m: amphibolite dike? -weakly foliated -consists of medium to coarse-grained hbl encompassed by finer and lighter green amphiboles -dike? Contacts are moderately sharp																	
47.07	50.73	**ACTINOLITE/CHLORITE SCHIST** Paler green to weak yellowish chlorite-actinolite schist with a strongly crenulated foliation. The rock consists of chlorite +/- actinolite and is much softer. Almost mylonitic, this schist shows a waviness or crenulations of the schistosity. Fractures show well developed slickensides. Moderate to sharp contacts.																
50.73	61.50	**MAFIC VOLCANICS** Deep green amphibole altered with a moderate foliation and localized quartz stringers/veinlets. Quartz material mainly parallel to foliation as thin wisps to occasional boudened veinlet 1.5cm thick. Quartz strongest between 55.60 and 56.60m as well as 57.75 and 58.10m. More texture of unit starts at	mv		007	60.90	61.50	0.60	-	-			0.007					

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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)
		57.60m. Weak pervasive magnetism with patches of slight intensity. Weak pyrite and trace pyrrhotite. 52.00 - 52.08m: shear @ 45 deg tca -60% ribboned quartz 60.21m, 60.36m and 60.96m are 3cm, 3cm and 9cm quartz/k-spar veinlets -white quartz with clotty orange k-spar to 45%																
61.50	65.50	**ALTERATION/FAULT ZONE** Unit consists of albite/carbonate/sericite/mica alteration, silicification and quartz veins within a structural zone with sections of brittle fracturing and reactivated healed structures. The host volcanics are generally fine-grained and dark green where less or completely unaltered by the beige to mauve alteration. Heterogeneous unit that is broken out below. The upper section to 65.50m contains the most consistent beige/mauve alteration as wisps to stringers to weak local bands to pervasive. Semi-transparent to white quartz stringers to veins found throughout from 2mm to 6cm true width generally parallel to foliation at 45 deg tca. Very fine disseminated pyrite associated with quartz. Local silicification blurs/diffuses contacts. Late cross-cutting calcareous stringers present. 63.16 - 63.85m: badly broken with RQD of 0. 64.25 - 64.40m: 3cm seam of anastomosing white quartz veinlets @ 5 deg tca 64.90 - 65.25m: brittle fault zone with remnant material of a healed structure within	alt z		008	61.50	61.85	0.35	tr	-				0.059				
			alt z		009	61.85	62.85	1.00	0.25	-				0.061				
			alt z		010	62.85	63.85	1.00	tr	-				0.009				
			alt z		011	63.85	65.50	1.65	-	-				0.010				

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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)
		-3cm piece of aphanitic white to aqua coloured cement @ approx 55 deg tca within																
65.50	67.83	**MAFIC VOLCANICS** Deep green very fine-grained volcanics cut by thin white quartz/carb stringers parallel to weak foliation @ 45-50 deg tca. Slight coarsening of dark amphiboles around occasional quartz structure.																
67.83	70.60	**ALTERATION ZONE** A section of patchy beige to mauve albite/sericite/carbonate alteration as alteration halos to pervasive sections with moderate to strong contacts. The alteration is very fine-grained and hard accompanying small scale structures and subsequent quartz material. Unit is relatively competent to 69.43m with three notable alteration bands/shear zones; 67.83 to 67.93m, 68.03 to 68.10 and 68.30 to 68.58m. The latter two have ribboned quartz and the last has a 3cm quartz-chlorite vein @ 45 deg tca. At 69.43m the rocks become very blocky and host approximately 15% thin quartz veinlets with associated mauve alteration halos to 70.60m with no core >10cm in length. Late cross-cutting hairline qtz/carb stringers not uncommon. Very fine pyrite within some alteration material but more commonly found within or along quartz boundaries.	alt z		012	67.83	68.83	1.00	0.25	-			0.006					
			alt z		013	68.83	69.83	1.00	0.25	-			0.010					
			Blank		014	69.83	69.83	0.00					0.002					
			alt z		015	69.83	70.60	0.77	>0.25	-			0.006					
70.60	75.10	**MAFIC VOLCANICS**																

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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)
		Deep green and generally massive with a very weak fabric. Generally textureless and hosts variable quartz as stringers to small veinlets to 40% locally. Some crack & seal type white quartz throughout but a small stockwork present from 73.06 to 73.40m. 71.30 - 71.54m: fault with gravel type material recovered																
75.10	82.60	**MAFIC TUFF** Deep green amphibolite tuff with a speckled texture from 35% dark amphiboles. Weak fabric, competent and fairly featureless. Starting at 80.60m the unit gradationally becomes very biotite altered approaching the adjacent dike.																
82.60	106.90	**FELSIC-INTERMEDIATE DIKE** Generally grey, fine to medium-grained to locally coarser as well as locally porphyritic. Certainly not homogenous as alteration intensity and type changes with tectonic activity. It appears the unit has seen at minimum two stages of tectonism with healed and reworked shears/faults. The dike is mainly a grey, fine-grained and massive to weakly foliated and consists of approx 30% black biotite, 30% quartz and 40% plagioclase. Dike lightens in colour below 96m to base. Where the dike is cut by hairline calcareous stringers, thin quartz veinlets or disrupted by more intense tectonism, the unit shows bleached halos and locally porphyritic textures. Along with the bleaching is local sausseritization of the plag and fine k-spar causing a soft green and orange/pinkish colouration respectively. Tectonism is strongest between 102.80 and 104.45m . Lower contact @ 68 deg tca.																

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)

82.94 - 83.04m: white quartz vein @ 70 deg tca

87.47m: open fracture with coarse carbonate on face
-area of carb healed breaks and strong bleached halo

89.53 - 89.65m: irregular quartz veining

102.35 - 103.70m: well foliated and biotized volcanics
-broken up in center.

-brittle fracturing from 104.00 to 104.45m.

106.90 161.50 **MAFIC VOLCANICS**

These basalts are dark green, gritty and somewhat shiny in direct sunlight as a result of amphibole alteration. The rock is generally very fine-grained and textureless with local areas of weak to moderate foliation over short intervals. Rocks are cut by 1% thin anastomosing quartz/carb crack & seal type stringers and veinlets as well as some younger white quartz/felds veinlets from 1-6cm in width. Very competent core.

At approx 114.1m the rock coarsens slightly to a fine-grained mafic tuff with slightly more discernable grains. The coarser amphibolite sub-unit looks like a pyroxenite with grain size to 3mm. This tuffaceous unit ends gradationally at approx 121.00m.

From 121.00 to 157.00m The rocks are very competent, massive and appear repetitive. Appear to be flows with no evidence of pillows. Moderate to deep green in colour and fine-grained that slowly increase in grain size downhole to medium-grained gabbroic textured. At 142.45m the rocks are again fine-

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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)

grained and massive very slowly increasing in grain size downhole to gabbroic textured by 153.13m. Gabbroic material is approx 45% plag with weak potassic alteration. Occasional irregular quartz veinlets 0.5 - 1.0cm thick. Non-magnetic.

152.12 - 153.13m: intermediate dike @ 50 deg tca
-very fine-grained, massive and grey in colour
-minor quartz veinlets in center with trace pyrite

From 157.00 to 161.50m the gabbroic material becomes strongly foliated with patchy biotite, increased amphibole grain size locally, ductile shearing as well as the presence of small scale dilation zones filled with quartz. Foliation @ approx 30 deg tca. Deformation is this interval has resulted in minor quartz stringers and veinlets of which fill cracks and dilation zones; ie 160.45m.
A 1cm quartz veinlet at 158.25m contains angular shards of host volcanics showing evidence of some brittle movement.

161.50 173.60 **MAFIC PILLOWS**

Very fine-grained, deep green and fairly massive unit, locally intruded by quartz material. Unit contains thin dark, anastomosing features that very likely represent pillow selvages. 1-5% thin quartz crack & seal type quartz material throughout.

165.10m: 3cm openly fractured structure once filled by quartz veining with associated silicification and fine pyrite
-oriented @ 27 deg tca

165.79 - 165.90m: ductile shear zone healed by 60% ribboned quartz/carbonate @ 60 deg tca

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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)
173.60	180.00	**INTERMEDIATE/FELSIC DIKE** Similar to above, dark grey, fine-grained and massive. Locally foliated. Porphyritic center from 176.08 to 176.90m with 10-15% white subhedral phenocrysts to 5mm in diameter. Porphyritic portion cut by 5 narrow 0.5 - 4cm quartz veinlets with weak pyrite. Unit becomes blockier at 178m as well as the presence of brown albitization and potassic alteration to 179.10m. Pyrite mineralization throughout as very fine disseminations, occasional wisp as well as hairline pyrite healed breaks found mainly between 177.70 and 178.00m. Upper and lower contact @ 75 and 54 deg tca respectively.																	
180.00	187.17	**MAFIC VOLCANICS** Deep green, slightly coarser-grained and foliated with strong banded biotite locally. Unit cut by 2-3% crack & seal quartz beginning around 184.40m. 182.88 - 183.24m: intermediate dike @ 55 deg tca 183.93 - 184.17m: intermediate dike @ 55 deg tca																
187.17	246.36	**MAFIC PILLOWS** Very fine to fine-grained mafic volcanics that appear as pillows with thin dark selvages and small patches of creamy coloured amygdules. Rocks are generally fairly massive and competent. Strong secondary quartz material as crack & seal type with irregular and discontinuous stringers and veinlets filling tension fractures etc. Strongest presence of white sugary quartz between 197.95 and 202.25m averaging approx 10%.	mv		016	199.90	200.40	0.50	-	-			0.005					
			mv/qv		017	200.40	201.25	0.85	tr	<0.5			0.002					
			mv/qv		018	201.25	202.25	1.00	tr	1			0.012					
			mv		019	202.25	202.75	0.50	-	-			0.002					

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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)

Deeper in the unit in association with diking, the grain size of amphiboles increases along with the presence of weak to moderate biotite alteration.

194.65 - 194.72m: ductile shear @ 62 deg tca
-banded with soft waviness

196.99 - 197.12m: quartz/feldspar vein @ 70 deg tca
-extensional vein with coarse semi-transparent quartz towards the center and coarser white feldspar growth off the walls
-soft mint green colouration within locally

From 200.40 - 202.25m is a section of core hosting tremendous quartz stringers and veining @ generally 25 deg tca. Smaller scale dilation cracks etc at random orientations. From 201.60 to 202.03 is a massive section of the quartz veining. Fine-grained semi-transparent and white quartz. Pyrrhotite, pyrite and chalcopyrite throughout with po the dominant sulphide with weak py and slightly less cpy. Po as irregular stringers, pyrite as fine blebs and cpy as fine specks within the po. All the sulphides are found within the quartz material and strongest from 201.00 to 202.25m at approx 1%. No alteration of the host rock.

210.20 - 210.73m: 5 parallel 1-3cm quartz veinlets @ 45 deg tca

212.70 - 212.89m: bull quartz vein @ 52 deg tca

213.04 - 213.24m: 2 parallel quartz veins @ 35 deg tca

218.16 - 218.46m: bull quartz vein @ approx 80 deg tca

218.60 - 218.72: irregular semi-opaque quartz vein with small shards of host vol

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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)

231.15 - 231.50m: shear with banded biotite and irregular quartz veinlets @ 40-45 deg tca

235.70 - 236.33m: intermediate dike
-moderate contacts
-very fine-grained

240.96 - 241.80m: intermediate dike @ 50 deg tca
-fine-grained and grey-purplish coloured

246.36 251.50 **PORPHYRY DIKE**

Intermediate, fine-grained groundmass host to 3-8% white to creamy phenocrysts. The dike is a grey to weak purplish colour when wet, hard and non-magnetic. Localized fabric. Competent with few breaks and cut by 8 late quartz veinlets no exceeding 1.2cm in thickness. Tiny phenos from 1- 3m and coarsen slightly over the last 80cm of the unit. Phenos are subhedral to euhedral with occasional zoning.
Sharp upper and lower contacts @ 50 and 42 deg tca respectively.

248.91 - 249.07m: massive dark brown/bronze/black biotite band

249.76 - 250.50m: foliated volcanics with moderate biotite alteration

251.50 258.95 **MAFIC PILLOWS**

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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)
		Very fine-grained, green unit with thon dark almost black pillow selvages. Cut by very few white quartz stringers. Increased fracturing starts at 255.67m with some beige/mauve alteration to 255.97m. 256.40 - 256.75m: fault with core <3cm in size Below 256.75 to adjacent fault the core is moderately fractured with no change in alteration.																
258.95	265.90	**FAULT ZONE** Immensely ground-up fault zone with numerous pieces of core with breaks sub-parallel tca that shows the fault is likely at very shallow angle to drillhole. Material within the structure is very angular for the most part with sections of coarse sand to gravel material and areas of small rounder material. Between 258.95 and 265.30m, only 3 pieces of core >10cm exist; most of the rubble is <3cm in size. Rock protolith in mafic volcanics to approx 265m where there is a seam of coarse sand-gravel and then a piece of intermediate dike. Between approx 265 and 265.30m is remnant gouge that is soft and clay-rich. 265.30 - 265.90m is a section of altered and brecciated dike with a network of dark healed anastomosing hairline seams sub-parallel tca.																
265.90	268.50	**INTERMEDIATE DIKE** The top 1.80m to 267.70m, where less fractured and broken up, the unit is massive, fine-grained, weakly porphyritic and grey-purplish in colour. Below 267.70 the fracturing increases dramatically at both sub-parallel tca and 50-60 deg tca with associated bleaching and albitization resulting in beige																

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)
		colouration.																
268.50	270.30	**FAULT ZONE** Fault sub-parallel tca with most of the structure (~268.90 to 269.90m) composed of remnant solid and fully recovered gouge with clay matrix hosting shards of ground volcanics and minor dike material no greater than 2.0cm in diameter. Clay to sand matrix and xenoliths within are rounded from movement.																
270.30	370.27	**MAFIC VOLCANICS** Moderate to deep green in colour, amphibolized and somewhat variable in texture and grain size throughout. Areas of finer-grained that coarsen locally. Few quartz/carb stringers throughout with local orange k-spar. Unit is very blocky to 320.05 with areas blocky enough to be considered brittle faults. Below 356.20m the rocks contain essentially no quartz material; just massive fine-grained homogeneous flow. 278.60 - 280.20m: brittle fault with tremendous blockiness and broken/ground core; larger pieces of core cut by quartz/k-spar stringers and veinlets. 282.30 - 282.38m: semi-transparent quartz vein @ 50 deg tca -trace disseminated pyrite 282.90 - 287.6m: brittle fault zone with tremendous breakage and minor white and orange quartz-k-spar stringers. A little remnant clay gouge remains over last 0.5m. Following the dike, the rocks are fine-grained, textureless and rather homogenous. No evidence of potential pillows. Unit																

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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)

showing moderate to heavy amounts of brittle fracturing along with 1-2% white crack & seal quartz stringers. Local areas of increases quartz to 40% over 10-20cm intervals between 298.58 and 299.50m. Occasional ductile shear with increased foliation, coarser amphiboles and quartz-carb veinlets.

290.35 - 290.55m: shear @ 40 deg tca
-4cm white quartz-carb veinlet within

294.90 - 295.13m: intermediate dike @ 45 deg tca
-grey-purple-orange in colour as a result of strong potassic alt
-fine-grained
-cut by late semi-transparent qtz veinlets

300.74 - 301.80m: brittle fault zone with RQD of 0 and most of the core small than 4cm in size. Many of the breaks are sub-parallel tca. Thin white quartz stringers sub-parallel tca visible in the larger pieces of material. Some clay gouge remains.

313.73 - 315.00m: blocky section

318.20 - 320.05m: blocky section

From 331.70 to 336.50m is a narrow swath of pillows with thin dark amphibolized selvages. Coincidentally within this section is increased quartz stringer and veinlets filling cracks and small scale dilations. Overall approx 10-12% quartz.

339.27 - 339.53m: bull quartz vein @ 65 deg tca

343.13 - 344.17m: intermediate dike @ 69 deg tca
-very fine-grained grey-purplish and beige
-strong (75%) bleaching/albitization to a cream/beige colouration
-10% white/cream phenocrysts throughout

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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)
		355.69 - 356.18m: shear with quartz flooding @ 45 deg tca -55-60% semi-transparent to opaque white quartz flooding to form irregular veining hosting some ribboned shards of volcanics and showing gentle folding -trace pyrite																
370.27	370.43	**CHERT** Soft grey-white to soft green coloured chert with upper and lower contacts @ 57 and 70 deg tca respectively. Carbonate alteration present as acid fizzed heavily.																
370.43	379.12	**FOLIATED VOLCANICS** Foliated and coarser-grained than volcanics above the chert. Coarser amphiboles and moderate brown biotite alteration resulting in a weak to moderate banding locally. Below 378.25 the rocks are darker with blacker amphiboles and weak to moderate orange potassic alteration as weakly pervasive. 374.15 - 374.75m: shear zone starts off @ 15 deg tca but steepens on the lower contact to 43 deg tca -brecciated off-white quartz by dark almost black soft anastomosing chlorite-talc seams forming the matrix 378.25 - 378.66m: shear @ 35 deg tca -upper 3cm is highly sheared with boudened qtz-carb veining with trace black chlorite-talc -center portion is highly pyritized with disseminated cubes to 2mm and occasional stringer; 10% pyrite	mv		020	378.12	379.12	1.00	4	-			0.009					

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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)
		-last 12cm contains minor white quartz-carb with black chlorite as well boudined semi-transparent quartz flooding																
379.12	379.56	**INTERMEDIATE DIKE** Very fine-grained, grey-purple in less altered sections to a buff beige-green in the altered sections. Numerous hairline fractures healed by black chlorite that result in alteration halos. Alteration halos so prolific that a more pervasive alteration appearance results. Faint pink colouration in the center with minor quartz flooding. Sharp contacts.	I.Dk		021	379.12	379.56	0.44	-	-			0.002					
379.56	381.50	**IRON FORMATION (UPPER)** Very finely bedded unit of dark grey to black argillitic material intermixed with cherty bands. Orientation of bedding predominantly 70 deg tca and showing deformation as small scale crenulations, waves and tight isoclinal folds. Unit overall is approximately 85% argillitic material and 15% chert. Cherty sections are buff grey to white exhibiting some zonation locally. Argillic sections more finely banded than cherty sections. Unit is moderately to strong magnetic throughout with argillic sections being stronger. Magnetite present as very thin bands. Alteration in the form of pyrrhotite, pyrite and very little dark amphibole. Graphite common in darker argillitic sections forming as slicken slides. Approx 8% Pyrrhotite forming as stringers and bands as well as local wispy blebs predominantly within argillic sections over the first 60cm. Minor chalcopyrite locally along stringer boundaries of pyrrhotite. Local 1-2-5% pyrite throughout as 2-4mm disseminated blebs and large clots to 2cm locally; po:py ratio of approx 3:1.	IF		022	379.56	380.56	1.00	2	5			0.033					
			IF		023	380.56	381.50	0.94	2	tr			0.114					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-011

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)
381.50	394.94	**HORNBLENDE GABBRO** Unit starts off finer grained but gradationally increases in grain size to a medium-grained massive gabbro with coarse hornblende grains causing a speckled texture. Slight variability in hornblende grain size from 2mm to 1cm. Unit resembles a coarse-grained pyroxenite. Non-magnetic and generally fairly competent with occasional blocky sections over 15-20cm. Unit cut by very few late quartz stringers.																
394.94	399.80	**FAULT ZONE** Extremely blocky with less than 10% of the interval comprised of core >10cm in length. Narrow gouge seams present as well as quartz veinlets between 397.90 and 398.00m. The rocks are the same gabbro as above but finer-grained and becoming increasingly foliated downhole. Very weak potassic alteration over last 80cm. Main of the breaks @ 45-60 deg tca.with some breaks sub-parallel tca. Lower contact sharp @ 80 deg tca.	FLT		024	399.00	399.80	0.80	-	-			0.002					
399.80	417.45	**IRON FORMATION (MAIN)** Unit starts off as finely banded argillic-chert to 400.17m with very fine black mudstone and white to grey chert bands at approx 60%, 40% respectively. Chert bands show a zonation from grey to white (banding within the chert). Bedding @ 70-72 deg tca and shows deformation as gentle folds. Very strong pyritization associated with the argillic material as disseminated cubes, stringers and semi-massive seams; 12-15% pyrite and trace pyrrhotite. Late white calcareous stringers and thin veinlets cutting across bedding and mineralization in first 10cm of unit @ 10 deg tca. Weak magnetism Entire unit has good competency.	IF	strong pyrite	025	399.80	400.17	0.37	13	tr			0.040					
			IF	weak amph, garnets	026	400.17	401.20	1.03	<1	tr			0.107					
			I.Dk		027	401.20	402.17	0.97	-	-			0.715					
			IF	moderate amph, garnets	028	402.17	403.00	0.83	tr	1			1.890					
			Standard		029	403.00	403.00	0.00					1.420					
			IF	strong amph	030	403.00	404.00	1.00	-	-			0.254					
			IF	strong amph, weak garnet	031	404.00	405.00	1.00	tr	1.5			1.480					
			IF	strong amph	032	405.00	405.58	0.58	-	-			0.088					
			I.Dk		033	405.58	406.07	0.49	-	-			0.008					
			IF	strong amph and garnets	034	406.07	407.00	0.93	tr	-			0.049					
			IF	str amph and po	035	407.00	408.00	1.00	tr	20			0.059					
			Blank		036	408.00	408.00	0.00					0.002					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-011

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)
		From 400.17 to 402.45m is a section of more abundant chert with fine dark amphibole bands and little magnetite. Weak magnetism. Chert is buff white to grey and bands generally less than 1cm in thickness. Very little disruption or deformation to bedding @ 70 deg tca. The dark bands are very dark amphibole with some associated garnet growth to 1.2cm in diameter. Sulphides consist of blebby pyrite between 401.06 and 401.16m. Po as thin stringer at 402.35 and a 2cm semi-massive band at 402.42m conforming to bedding. Badly broken interval from 400.34 to 401.00m	IF	strong amph and garnets	037	408.00	409.00	1.00	<0.5	tr			0.924					
			IF	strong amph	038	409.00	410.04	1.04	tr	tr			0.582					
			wacke	weak amph	039	410.04	411.20	1.16	-	-			0.367					
			IF	strong amph, mod po	040	411.20	412.00	0.80	tr	2			4.170					
			IF	strong amph	041	412.00	413.00	1.00	-	-			0.538					
			IF	strong amph and garnets	042	413.00	414.00	1.00	tr	2			0.692					
			IF	strong amph, weak garnet	043	414.00	415.00	1.00	tr	0.25			0.652					
			IF	strong amph, weak garnet	044	415.00	415.85	0.85	tr	0.25			1.260					
			IF	strong amph and garnets	045	415.85	416.65	0.80	tr	3.5			2.090					
			IF	strong amph and garnets	046	416.65	417.45	0.80	<0.5	1.5			0.832					
			Blank		047	417.45	417.45	0.00					0.002					
		401.20 - 402.17m: intermediate dike @ 70 deg tca -fine-grained, dark grey with weak potassic alteration -weakly porphyritic -badly fractured -amphibolized IF with larger garnets from 401.62 to 401.70m																
		From 402.45 to 412.80m is a section of relatively homogenous and uniformly bedded magnetite-amphibole-chert. The rocks is striped green and grey as a result of the magnetite and amphibole banding. Chert banding hard to distinguish as a result of the green amphiboles but in places white-grey-greenish. Amphiboles are light green to dark green in colour with fairly clean cut banding and not the strong fuzzy/buff contacts. Garnet growth associated with darker slightly coarser amphiboles in areas of deformation. Local quartz flooding also. Magnetite bedding <1cm in thickness generally 2-3mm. Bedding at a consistent 70 deg tca and shows local deformation as minor waves and late breaks. Quartz flooding as semi-transparent grey quartz from 408.17 to 408.35m at 65%. Coarse clotty black amphibole within and coarser garnets at contacts. Late irregular white hairline to 3-4mm calcareous stringers cross bedding and mineralization; ie 407.20m showing																

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)

mm-scale bedding displacement. Hairline slip planes cross bedding locally, showing displacement; best example between 409.15 and 409.30m where a series of slips has heavily disrupted and displaced bedding. Pyrrhotite is the dominant sulphide as thin wispy stringers to local massive bands >85%. Weak disseminated pyrite locally. The unit contains little sulphide through with most being confined to the more massive bands between 407.07 and 407.58m.
404.84m: 3cm seam of 12% po
407.07m: 10cm band of 85% po showing flow textures and deformation
407.41m: 6cm band of 80% po
407.55m: 3cm seam of 10% po
411.45 - 411.70m: section of 7% po

405.58 - 406.07m: intermediate dike

410.04 - 411.20m: wacke?
-dark and foliated with weak green amphibolite alteration
-section of IF within from 410.46 to 410.62m

412.80 - 413.03m: semi-opaque white quartz vein with 3% clotty green amphiboles
-one irregular bleb of po within 1.2 x 0.5cm

From 413.03 to 417.45m is a section of amphibole-garnet-pyrrhotite altered formation showing stronger deformation and a slightly more schistose texture. Bedding angles shallow, ranging from 45-65 deg tca and show stretching, local small scale folding and gentle larger scale folding. Amphiboles are light to dark green/black with areas of more diffuse/obscured beds with a fuzziness. Finely banded magnetite to 3mm but not quite as prevalent as uphole. Unit approx 65% amphibole + magnetite + garnets + pyrrhotite and 35% darker grey chert.

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)
		Coarse burgundy garnets to 1cm in diameter forming semi-massive garnet bands associated with black amphibolite bands. Pyrrhotite found throughout as wisps to wispy stringers averaging 2% overall. Po associated with amphiboles as magnetite replacement. Late structures in the form of quartz flooding and cross-cutting calcareous slips. Four quartz structures are composed of grey semi-transparent quartz with clotty dark green to black amphiboles and trace pyrite. Contacts are irregular and do not conform to bedding; 413.83 - 414.00m, 415.67 - 415.75m, 417.07 - 417.19m and 417.29 - 417.36m. Late shallow angle slips/faults healed by white quartz and carbonate cross the unit @ 10-15 deg tca and show mm-scale displacements of bedding. Best examples are found at 415.25m (1 - 2.5cm true thickness) and 416.0m. 414.48 - 414.85m: mafic dike? Wacke? -very fine-grained and extremely dark -fairly sharp contacts -non-magnetic -foliated and fractured Standard used for sample 029 was CDN-CM-2																
417.45	420.32	**ALTERED WACKE** Heterogeneous unit that in places resembles an intermediate dike and other places altered volcanics hosting two small xenoliths of iron formation. The unit is dark grey to purplish coloured, foliated and locally speckled white. Starting at approx 418.95m to 419.80m alteration as thin stringers and veinlets of coarser white and orange feldspars and coarse green amphiboles cut unit parallel to foliation @ 65 deg tca. At 419.80	alt		048	417.45	418.45	1.00	-	tr			0.022					
			alt		049	418.45	419.45	1.00	0.25	tr			0.010					
			alt		050	419.45	420.32	0.87	1	0.25			0.167					

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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)
		to base of unit the rocks are green amphibolized with coarse black amphiboles resembling a hornblende melanogabbro with needles of hbl in last 15cm with coarse blebby pyrite and less pyrrhotite. Rest of unit is unmineralized with exception of the tiny xenoliths of iron formation 417.73 to 417.79m and 417.83 to 417.87m: weakly mineralized xenoliths of iron formation with trace to 0.25% fine po. -irregular contacts and bedding not conforming to foliation 418.68 to 418.77m: mineralized iron formation with irregular bedding angles -2% pyrite and 0.5% po																	
420.32	420.94	**IRON FORMATION (MAIN)** Finely banded amphibole-pyrrhotite-magnetite formation with bedding not exceeding 1cm in thickness. Bedding angles range from 70 to 55 deg tca with beds shallowing downhole. Waviness and small scale folding evident. Unit is green to dark grey/black and strongly magnetic. Pyrrhotite mineralization 10% between 420.65 and 429.94m as thin 0.5 to 2mm stringers conforming to bedding. Deformation post dates or simultaneous with sulphidization as sulphides show waviness and folding like the bedding. Sharp irregular contact at approx 35 deg tca showing volcanics disrupted bedding flame texture as they flowed over IF.	IF		051	420.32	420.94	0.62	tr	7			0.125					
420.94	424.73	**ALTERED VOLCANICS**	vol		052	420.94	421.94	1.00	1	-			0.074					

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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)
		Light green amphibolized volcanics generally massive but foliation increases downhole approaching adjacent fault. Coarse black hornblende locally as massive seams and disseminated sections. 421.52 - 421.62m: bull quartz 421.81 - 421.89m: massive irregular black hornblende seam hosting 15% pyrite 423.01 - 423.11m: white quartz vein hosting 65% black hornblende needles -converging contacts -unmineralized From 423.11 to 424.94m is a section with disseminated hornblende grains from 10-50% in abundance as well as massive black hornblende banding 4 - 12cm in thickness. Cross-cutting hairline carb stringers @ 40 deg tca; cross-cut quartz vein noted above also.																
424.73	431.15	**FAULT ZONE** Extremely broken up material with an RQD value of approx 10%. Angular pieces of core generally 2-5cm in length with areas of smaller material. Most gouge material washed away but a little preserved at approximately 426.40m @ 50 deg tca. Remnant pieces of a 5-10cm gouge-breccia seam at approx 429.60m Rocks change within the dike from volcanics to dike to volcanics. Volcanics to 429.00m 429.00 - 429.60m: orange-red potassic porphyry dike	Flt/mv		053	429.70	431.15	1.45	<0.5	<0.5			0.912					

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METALS CREEK RESOURCES

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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)
		429.60 - 429.70m: gouge breccia 429.70 - 429.95m: weakly mineralized vol 429.95 - 430.32m: volcanics with weak potassic alteration 430.32 - 430.57m: competent piece of foliated volcanics hosting 5% po + py 430.57 - 431.15m: volcanics with weak to moderate potassic alteration																	
431.15	432.65	**IRON FORMATION (MAIN)** Chert-rich section of formation at approx 65-70% off-white to grey chert. Chaotic banding of fine green to black amphiboles, local garnets, massive magnetite and stringer pyrite and pyrrhotite. Deformation much stronger; with banding generally @ 40 deg tca but varies extensively throughout showing crenulations, gentle waves and folds. Upper 25cm very thin 25% black argillitic bands hosting stringer pyrite at 8%. The remainder of the is strongly magnetic with massive magnetite bands from <1mm to 4mm in thickness with light green amphiboles along boundaries. Speckled green amphiboles forming very thin, discontinuous bands within the dirty chert. Pyrrhotite mineralization as irregular anastomosing stringers associated with darker amphiboles and garnets as well averaging 4%.	IF		054	431.15	432.65	1.50	4	3			4.870					
432.65	435.00	**INTERMEDIATE DIKE** Dark grey-brown, weak to moderately foliated with slight variation in texture and grain size. The unit resembles an intermediate dike often seen on the property, especially approaching the lower contact with a finer-grained and more silicous nature. Areas of lightening/bleaching in association with 3% thin 1-2mm quartz/carb stringers. Unit is non-magnetic	I.Dk		055	432.65	433.13	0.48	-	-			0.016					
			IF		056	433.13	433.37	0.24	1	4			0.118					
			Standard		057	433.37	433.37	0.00					3.360					
			I.Dk		058	433.37	434.00	0.63	-	-			0.005					
			I.Dk		059	434.00	435.00	1.00	-	-			0.002					

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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)
		and unmineralized. Lower contact does not conform to bedding @ 70 deg tca. 433.13 - 433.37m: mineralized IF -distorted banding hosting 1% pyrite and 4% po -upper and lower contacts @ 40 and 85 deg tca Standard used for sample 057 was HGS1																
435.00	444.53	**IRON FORMATION (MAIN)** Fairly heterogeneous unit showing good banding and local sulphidization with deep green amphibolies. Bedding angles variable starting at 55 degrees tca and shallowing to 5 deg tca by 443.20m before sharply steepening to 60 deg tca at 444.30m. Unit generally consists of chert-magnetite-amphiboles and pyrrhotite with very localized garnets. Rocks are dark, with dark grey chert beds; harder to distinguish. Massive magnetite as steely grey bands to 1.2cm in width. Unit cut by three intermediate dikes. Very competent with few breaks. 435.00 - 435.58m: area of strong coarse garnets and 15% po mineralization as wisps and stringers in black amphiboles. Massive pyrite seam 1 - 1.5cm thick adjacent to dike contact. 435.58 - 436.05m: 80% dark grey cherty beds to 5.5cm thick with coarser magnetite bands from 3mm to 1.2cm thick with thin 1-2mm light green amphibole boundaries. Occasional seam of garnets to 1cm thick. Weak po as occasional stringer. Late hairline cracks at shallow angles tca healed by carbonate that cut chert bands but not magnetite. 436.05 - 436.82m: intermediate dike @ 70 deg tca	IF	strong po	060	435.00	436.05	1.05	1.5	7			2.420					
			I.Dk		061	436.05	436.82	0.77	tr	tr			0.020					
			IF	mod amph	062	436.82	437.35	0.53	tr	tr			0.074					
			I.Dk		063	437.35	437.70	0.35	-	-			0.012					
			IF	mod amph	064	437.70	438.54	0.84	0.5	3			1.460					
			I.Dk		065	438.54	439.00	0.46	-	-			0.006					
			IF	mod amph, strong garnet	066	439.00	440.00	1.00	0.5	2			1.850					
			IF	strong amph, mod garnets	067	440.00	441.00	1.00	tr	3			0.911					
			IF	strong amph and garnets	068	441.00	442.00	1.00	tr	2.5			1.830					
			IF	strong amph	069	442.00	443.00	1.00	-	0.5			2.270					
			Blank		070	443.00	443.00	0.00					0.002					
			IF	strong amph	071	443.00	444.00	1.00	0.5	2			1.150					
			IF	strong amph	072	444.00	444.53	0.53	tr	tr			0.058					

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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)

-slightly coarser and foliated upper 20cm (wacke?) followed by a very fine-grained dark grey-purplish dike with late quartz-carb stringers with localized potassic alteration halo.
-small ovoid 6 x 2cm coarse-grained and mineralized amphibolized xenoliths within

436.82 - 437.35m: dark cherty iron formation with thinner magnetite bands <3mm and stronger amphiboles. Grittier texture to the rock. Bedding showing gentle slight kink at 437.04m. Very weakly mineralized.

437.35 - 437.70m: intermediate dike @ 45 deg tca
-very fine-grained, dark grey-purplish coloured
-7-8% orange potassic alteration
-cut by numerous healed structures

437.70 - 438.54m contains mineralized iron formation and amphibolized tuff material. Upper 21cm is a amphibolized and moderately mineralized dark iron formation before medium-grained foliated amphibolite with 40% white quartz flooding from 438.10 to 438.20m. Approximately 12% pyrrhotite + 1% pyrite between 437.85 and 438.10m as more net-textured type.

438.54 - 439.00m: intermediate dike @ 50 deg tca
-very fine-grained, dark grey-purplish coloured
-7-8% orange potassic alteration
-cut by numerous healed structures with thin ghostly alt halos

From 439.00 to 439.40m is another section of medium-grained, deep amphibolite cut by a couple thin white quartz veins.

From 439.40 - 439.80m is primarily banded chert and garnets with a little magnetite and amphiboles over the last 10cm. Weak wispy po with amphiboles. Bedding at 40 deg tca at

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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)

base.

An interval from 439.80 to 440.46m appears to have increased foliation and weak mylonitization with strong garnet growth and local quartz porphyroblasts. Very fine black argillitic bands with whiter and locally recrystallized chert bands. Stronger deformation as kinks and crenulation of bedding with 5% po as fine wisps and stringers. Fairly sharp contact with adjacent IF below.

From 440.46 to 444.53m the rocks are very dark with massive magnetite bands, dark grey/green chert and dark green amphiboles. Typical repetitive bands of magnetite and chert with dark green amphiboles often but not always along magnetite boundaries. Amphiboles boundaries locally have a fuzzier and more diffuse appearance making bedding less pronounced. Unit approx 65% mafics to 35% chert. Locally schistose texture.
Bedding generally fairly preserved with little deformation to 443.00m. Bedding angles @ 55 deg tca at 441.50m and shallow to 5 deg by 443.20m before abruptly steepening to 60 deg tca at 444.30m. Crenulations and mm-scale slips of bedding planes in the folded material. Fine wispy schistose to weak irregular stringer po throughout from trace to 5% locally and approximately 0.5% on average. Strongest po from 441.27 to 441.43m in a section of 5% late quartz flooding, 60% black amphiboles, 25% garnets and 10% po.

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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)
444.53	447.45	**INTERMEDIATE DIKE** Fine to slightly coarser-grained, grey-brown-purplish coloured. Foliated in slightly coarser center with finer, more massive and silicous contacts. Upper contact contains 2% white phenos over 10cm. Variable alteration throughout with areas of lighter beige sericite alteration. Could be a wacke but sharp, more silicous contacts lead to dike. Unmagnetic and unmineralized.	I.Dk		073	444.53	446.00	1.47	-	-			0.005					
			I.Dk		074	446.00	447.45	1.45	-	-			0.002					
447.45	449.75	**IRON FORMATION (MAIN)** Finely banded chert-magnetite-amphibole formation with bedding less than 1cm in thickness. Beds are fairly uniform with local sections of strong distortions as crenulations, kinks and tight folds. Green and grey unit with grey chert and dark steely grey magnetite. Approximately 70% mafics to 30% chert. Po mineralization as wisps to very thin stringers locally averaging <1% overall. Very competent rock. Distortion and deformation of bedding strongest between 448.00 and 448.42m. 448.53 - 448.62m: bull quartz	IF	strong amph	075	447.45	448.60	1.15	tr	1.5			10.100					
			IF	strong amph	076	448.60	449.75	1.15	tr	<1			0.582					
449.75	454.00	**INTERMEDIATE DIKE** Fine to slightly coarser-grained unit with a weak to moderate fabric. Dark grey-purplish colouration with a very fine intrusive texture. Cut by 2-3% white quartz/carb stringers. Featureless. 452.87 - 453.15m: cherty iron formation @ 55 deg tca From 453.15 to 454.00m is a section of immense black shiny amphibole alteration creating a black amphibolite schist.	I.Dk		077	449.75	451.25	1.50	-	-			0.045					
			I.Dk		078	451.25	452.87	1.62	-	-			0.028					
			IF	moderate carb	079	452.87	453.15	0.28	tr	tr			0.034					
			Schist		080	453.15	454.00	0.85	-	-			0.006					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-011

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)
454.00	457.75	**IRON FORMATION (MAIN)** Homogenous, finely bedded and striped unit of magnetite bands, grey chert and light green amphiboles with very weak and local garnets. Bedding is a fairly consistent 55 deg tca and shows little in the way of deformation except for kinks over 5cm at 457.48m. Chert beds are thin and do not exceed 5cm and thin downhole; magnetite bands are thinner at 5mm max. Fine green amphiboles found along the boundaries of the magnetite from 1-2mm in thickness. Very competent rock. Weak pyrrhotite mineralization averaging 0.25%. 454.82 - 454.90m: late opaque white quartz with coarse weakly mineralized amphibole xenoliths cutting across bedding 456.48 - 457.25m: amphibolite schist	IF	strong amph	081	454.00	455.00	1.00	tr	0.5				0.261				
			IF	mod-strong amph	082	455.00	455.75	0.75	-	0.25				0.099				
			IF	mod-strong amph	083	455.75	456.48	0.73	-	0.25				1.160				
			Schist		084	456.48	457.25	0.77	-	-				0.009				
			IF	mod-strong amph	085	457.25	457.75	0.50	-	-				0.154				
			IF	amph	086	457.75	458.75	1.00	-	-				0.296				
457.75	461.75	**FOLIATED VOLCANICS** Deep green and amphibolized. Foliated ranging from 40-65 deg tca. Coarser amphiboles between 459.55 and 461.75m with weak to locally strong magnetism. Weakly to moderately banded by amphiboles, brown biotite and fine chert? Could this coarser section be a thin heavily amphibolized iron formation? Very finely disseminated magnetite in local bands. Weak pyrite and po present as disseminations and thin hairline stringers averaging approx 0.5% and 2% between 460.55 and 460.87m 461.10 - 461.60m: shear @ 60 deg tca -upper 3cm and lower 10cm filled with ribboned white quartz/carbonate -semi-transparent qtz flooding between two ribboned qtz/carb	IF		087	460.50	461.75	1.25	0.5	<1				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)
		-fine disseminated po																
461.75	492.00	**MAFIC VOLCANICS** Massive flow(s). Fine-grained, massive and homogenous unit cut by very few to almost no late qtz/carb stringers. Deep green colour. Non-magnetic. Competent with few breaks. 474.70 - 475.60m: chlorite/amphibole schist with a narrow 5cm silicous dike in the center from 475.16 - 475.21m. Some open fracturing at lower contact of the dike. Open fractures from 489 to 489.13m with 5% white quartz veining																

Printed: August-18-21

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Dona Lake	CLAIM NO.:	LEA-108365			DOWNHOLE SURVEY METHOD: Gyro	REMARKS: Hole was started with one hex corebarrel and long reaming shell. Casing remains capped.
HOLE NO.:	DL21-012	LENGTH (m):	549.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5699746.000	EASTING:	702610.000	COLLAR SURVEY BY: Reflex Rig Aligner	
SECTION:	N/A	ZONE:	Main	ELEVATION (m):	390.000	DRILLING COMPANY: Cyr Drilling	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	271. / -67.0	SURVEYED:	271.400 / -66.800	DATE LOGGED: Apr. 28, 2021 TO May. 08, 2021	Core Storage: On site
HOLE STARTED:	April 27, 2021	HOLE FINISHED:	May 08, 2021	MAG:	3.69º w	LOGGED BY: D.Heerema & M.MacIsaac	Page 1 of 19

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	18.50	**OVERBURDEN** Single shot downhole tests 30m Azi 271.0 Dip -66.9 80m Azi 271.0 Dip -66.2 150m Azi 271.6 Dip--65.6 200m Azi 271.8 Dip -65.0 250m Azi 273.2 Dip -64.2 300m Azi 274.4 Dip -63.4 350m Azi 275.7 Dip -63.0 400m Azi 276.5 Dip -62.3 450m Azi 277.5 Dip -61.8 500m Azi 276.3 Dip -61.3																
18.50	41.20	**DIABASE** Fine-grained and massive unit of weakly to moderately magnetic diabase. Classic massive interstitial intrusive texture of approx 50% plag within 50% pyroxenes. Magnetism decreases along with grain size becoming non-magnetic in finest material. Moderate to strong fracturing averaging 5 breaks per meter. Upper contact not drilled and lower contact shows a great aphanitic light grey coloured chill margin showing great waviness and sub-parallel tca. Brittle fault from 31.15 to 31.85m with broken shards of 1cm quartz-potassic feldspar veinlet within																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-012

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)
41.20	51.20	**MAFIC VOLCANICS** Foliated and amphibolized volcanics. Deep green in colour with foliation @ 40-45 deg tca. Unit starts as coarser deep green amphiboles forming bands with thin white segregated feldpsar-carbonate bands, as well as minor biotite. Alteration strongest adjacent to diabase dike. Unit cut by 3-5% crack filled quartz starting at approx 47.50m. 50.00 - 50.05m: bull quartz vein cutting across foliation																
51.20	67.90	**FOLIATED VOLCANICS** Unit consists of coarser-grained foliated volcanics with strong biotite alteration and more localized shearing with quartz flooding. Foliation is strong to locally intense starting at 50 deg, shallowing to parallel tca by 55.40m and steeping again to 40-55 deg tca by 57.50m. Local areas of the unit appear sheared with the injection of late quartz as stringers and porphyroblasts with mylonitic textures. Unit is well banded locally with coarse green amphiboles, brown biotite to 50% and felsic segregations forming felds/carb bands from <1mm to 5mm thick. Sulphide mineralization as 0.25 - 0.5% disseminated pyrite throughout with increasing sulphides associated with shears and quartz material. Quartz generally barren of pyrite but surrounding host rocks contain the pyrite. 52.25 - 52.62m: shear @ approx 50 deg tca but wavy -3% porphyroblastic semi-transparent grey to white quartz -silicification in center 5cm that resembles a very fine-grained purplish felsic dike amongst deep green amphiboles -host to 0.75% pyrite -last 10cm is flooded by clotty irregular white quartz with irregular shaped mineralized amphibolized xenoliths	vol		001	51.75	52.25	0.50	-	-				0.027				
			shr		002	52.25	52.62	0.37	0.75	-				0.100				
			vol		003	52.62	53.12	0.50	0.25	-				0.110				
			vol		004	60.00	60.75	0.75	0.25	-				0.026				
			shr		005	60.75	61.20	0.45	1.5	-				0.077				
			vol		006	61.20	61.95	0.75	0.5	-				0.040				
			shr		007	61.95	62.70	0.75	1	-				0.018				
			vol		008	62.70	63.90	1.20	0.25	-				0.027				
			vol		009	66.80	67.80	1.00	1.5	-				0.515				

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-012

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)

60.75 - 61.20m: shear @ 45 deg tca
-very strong foliation with 5% late quartz as thin veinlets
-60.90m is 1-2cm semi-transparent quartz flooding that has brecciated an older potassic feldspar veinlet
-fine silicification of adjacent upper 15cm causing a buff grey hazy texture and hosts very fine pyrite and local coarse blebs
-approx 1.5% pyrite overall

61.95 - 62.70m: quartz healed shear zone @ 45 deg tca
-35% thin ribboned, boudened and porphyroblastic grey to white to locally purplish quartz
-banding/veinlets show tremendous crenulations
-host volcanics very deep green to black amphibolized with weak brown biotite
-approx 1% disseminated pyrite

63.00 - 63.90m: a section of 40% white recrystallized quartz-feldspar stringers and irregular knots and few porphyroblasts.

67.44m: 4cm seam of 90% semi-transparent grey-purplish to white quartz flooding

67.90 93.70 **MAFIC VOLCANICS**

Unit starts off a green massive textured rather featureless volcanics cut by approximately 5% white crack & seal quartz-carb to 71.60m where a foliation becomes apparent @ 45 deg tca.
Below 83.50m the unit gradationally becomes massive, with discernable plag grains like that of a very fine gabbro.

From 71.60 to approximately 83.50m is a section of foliated volcanics with a locally speckled tuffacous texture. A banded

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)

appearance locally as a result of increased quartz-carb stringers. Local brown biotite to 5%. Cracks filled with white quartz and carbonate as stringers to irregular wisps to local breccias.

75.36 - 75.46m: 75% semi-transparent to white quartz with clotty white/beige feldspar and weak potassic feldspar.
-irregular shards of host volcanics within
-0.25% disseminated pyrite

81.73 - 81.90m: bull quartz
-upper and lower contacts at 40 and 65 deg tca respectively

93.70 112.64 **INTERMEDIATE DIKE**

Generally grey, very fine to fine-grained to locally coarser as well as locally porphyritic. Certainly not homogenous as alteration intensity and type changes with tectonic activity. The dike is mainly a grey, very fine to fine-grained and massive to weakly foliated and consists of approx 40% black biotite, 30% quartz and 30% plagioclase. Where the dike is cut by hairline calcareous stringers, thin quartz veinlets or disrupted by more intense tectonism, the unit shows bleached halos and locally porphyritic textures. Along with the bleaching is weak fe-carb causing a rusty colouration locally and fine k-spar causing a soft orange colouration. Gritty looking rock. Well fractured. Upper contact @ 40 deg tca. Lower @ 40 deg tca also adjacent to a fault. Stronger alteration over the last 0.90m with increased breaks and more mylonitic texture associated with said fault.

107.88 - 107.98m: bull quartz @ 60 deg tca

112.64 113.30 **FAULT**

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)
		30-35% of rock retained as competent gouge over upper 13cm and then clay- sand-gravel type material there after. This carb stringers in upper gouge @ 40 deg tca. Very soft and crumbly. Deep green rock so very likely volcanic protolith.																
113.30	114.35	**MAFIC VOLCANICS** Deep green massive to weakly foliated cut by 2% white quartz-carb stringers. Lower contact quite diffuse and silicous.																
114.35	120.60	**INTERMEDIATE DIKE** Like the unit described above but cut by 5-7% late quartz-carbonate veinlets to veins. Structures range from 0.5 to 10cm true width showing a variation of core angles but generally @ 20-30 deg tca. Structures composed of semi-opaque grey to white buff quartz with approx 10% clotty white to locally pink carbonate. Lower contact of dike sharp @ 59 deg tca.																
120.60	135.82	**MAFIC VOLCANICS** Unit starts off well foliated to mylonitic to 121.60m. This section shows strong crenulations, 10% fine white quartz and approximately 10% brown biotite alteration. Gradationally from 121.60m downhole, the rocks become fine-grained, massive and rather homogenous basalt. Rock competency rather good with generally 2-3 breaks per meter. Cracks sealed by white quartz-carbonate 3-4% to 128.0m but decreases to almost nil to 135m.																

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)
		Unit cut by occasional late massive white quartz veins with 10% carbonate. Foliated lower contact @ approx 75 deg. To c.a. 129.13 - 123.22m: quartz vein @ 82 deg tca 132.35 - 132.62m: quartz vein, upper and lowers cts @ 62 and 45 deg tca respectively 134.65 - 134.73m: quartz vein @ 37 deg tca																
135.82	168.83	**HORNBLENDITE** Dark green-black, medium to coarser grained and very competent and massive. Unit is relatively unfractured with several 10-30cm white quartz veins. Unit has a local spotted appearance with black phenocrysts of hornblende within a darker green matrix. Unit is unaltered and unmineralized. When dry, exhibits a gabbroic texture. Upper 3m is moderately foliated. Non magnetic. Irregular lower contact, jagged. 138.4-139.0 Several white quartz veins 140.88-141.00 White quartz vein 143.75-144.02 Quartz vein @ 85 deg to c.a. 145.8-146.40 Quartz vein, 0.5% pyrite, irregular contact.	qv	qv,py	010	145.80	146.40	0.60	0.5				0.002				
168.83	174.05	**MAFIC VOLCANIC** Dark green, fine grained and relatively massive and competent. Cracks sealed by white quartz-carbonate 3-4% common throughout. Relatively unmineralized and unaltered. Irregular upper contact and foliated lower contact @ 40 deg to c.a.																
174.05	178.40	**MAFIC DIKE**																

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)
		Dark green to black, fine grained to aphanitic with 3-5% feldspar phenocrysts (1-3mm). Aphanitic near contacts and more fine grained away from contacts. Locally moderately foliated @ 45 deg to c.a. Non magnetic. Feldspars are abundantly zoned.																
178.40	197.67	**MAFIC TUFF** Dark green, fine grained and relatively massive. This section shows strong crenulations, 10% fine white quartz and approximately 10% brown biotite alteration. Cracks sealed by white quartz-carbonate 3-4% . Unit exhibits sections of rhythmic banding, grading to a more tuffaceous unit intermixed with massive mafic volcanic. Local sections of biotite alteration, typically found in close proximity to intrusive dikes. Sharp lower contact @ approx 42 deg to c.a. Unmineralized.																
197.67	200.50	**FELDSPAR PORPHYRY** Intermediate, fine-grained groundmass host to 5-8% white to creamy phenocrysts. The dike is a grey to weak purplish colour when wet, hard and non-magnetic. Locally foliated. Competent with few breaks and cut by late quartz veinlets not exceeding 1.2cm in thickness. Tiny phenos from 1- 4m. Phenos are subhedral to euhedral with occasional zoning. Sharp upper and lower contacts @ 42 and 42 deg tca respectively.																
200.50	204.87	**MAFIC VOLCANIC**																

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)
		Dark green, fine grained and relatively massive. Cracks sealed by white quartz-carbonate 3-4% . Local sections of biotite alteration, typically found in close proximity to intrusive dikes. Last 0.8m of unit is moderately to strong foliated near contact with intermediate dike @ 80 deg to c.a. Unmineralized.																
204.87	210.16	**INTERMEDIATE DIKE** Dark grey, fine-grained and massive. Locally foliated. Narrow 0.5 - 4cm quartz veinlets with weak pyrite. Unit becomes blockier towards lower contact as well as the presence of brown albitization and potassic alteration. Local pyrite and chlorite along fracture planes. Pyrite mineralization throughout as very fine disseminations, occasional wisp as well as hairline pyrite healed breaks. Upper and lower contact @ 80 and 45 deg tca respectively.																
210.16	228.85	**MAFIC VOLCANIC** Dark green, fine grained and relatively massive. Cracks sealed by white quartz-carbonate 3-4% . Local sections of biotite alteration, typically found in close proximity to intrusive dikes. Irregular lower contact. Unmineralized.																
228.85	238.70	**MAFIC DIKE** Dark grey to black, fine grained and locally weakly feldspar porphyritic. Unit is moderately fractured becoming more blocky down section. Feldspar phyric locally with feldspar ranging from 1-3mm and locally exhibiting some zonation. Unit is relatively unmineralized and non-magnetic. Occasional quartz veins upto 2cm. Strong fabric and some shearing over last 5m of unit with	BX	qtz, chl,py	011	234.30	234.73	0.43	1				0.154					

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)
		associated insitu quartz breccia with potassic altered clasts and 1% blebs of pyrite and black chlorite clots. Fracturing predominantly 22-40 deg to c.a. Chlorite and locally talc along fractures. Irregular contacts. Shearing ranging from 20-35 deg to c.a. 234.3-234.73 In-situ quartz breccia, potassic altered clasts, 1% pyrite blebs and disseminated. Greenish grey, black alteration (black chlorite surrounding potassic altered clasts.																
238.70	268.00	**MAFIC VOLCANICS** Dark green, fine grained and relatively massive. Cracks sealed by white quartz-carbonate 3-4% . Local sections of biotite alteration, typically found in close proximity to intrusive dikes. Occasional fractures at various orientations. Unmineralized. Last 3m of unit becomes moderately silicified and moderately foliated and weakly feldspar phyric as well as moderately biotite altered. 239.15-239.44 Mafic dike, feldspar porphyritic 254.02-254.94 Lamprophyre dike, biotite clots, irregular contact. Strong biotite alteration at contacts with mafic volcanics. 262.03-262.41 Intermediate dike @ 50 deg to c.a.																
268.00	270.80	**FAULT ZONE** Dark green-black, strong fractured and very blocky. Fractures predominantly sub-parallel to c.a. with associated quartz stringers. Small feldspar phyric dike mixed within dike. 10cm fault gouge sub-parallel 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)
270.80	277.90	**MAFIC VOLCANCIS** Dark green, fine grained and relatively massive. Cracks sealed by white quartz-carbonate 3-4% . Local sections of biotite alteration, typically found in close proximity to intrusive dikes. Weakly to moderately fractured at 5 deg to c.a and 42 deg to c.a. Occasional quartz vein with trace pyrite upto 5cm. Unmineralized. 273.28-273.87 Mafic dike, contracts strongly foliated and silicified.																
277.90	282.30	**INTERMEDIATE DIKE** Medium to dark grey locally becoming pinkish in color, fine grained and moderately fractured from 20 to 41 deg to c.a. Local moderate fabric 35 to 45 deg to c.a. Local healed fractured exhibiting some bleaching. Non magnetic and local pyrite along fracture planes. Some quartz veining with associated biotite. Lower contact @ 60 deg to c.a. 280.20-280.84 Quartz vein/stockwork, white quartz vein, biotite along contacts. 0.25% pyrite and trace chalcopyrite.	QV	qtz, bio, py	012	280.20	280.84	0.64	tr				0.002					
282.30	303.00	**MAFIC VOLCANICS** Dark green, fine grained and relatively massive. Cracks sealed by white quartz-carbonate 3-4%. Weakly to moderately fractured at 5 deg to c.a and 42 deg to c.a. Occasional quartz veins with trace pyrite upto 5cm. Unmineralized. Quartz veins range from 35 to 55 deg to c.a. 291.59-292.33 Feldspar porphyry, pinkish red, upper contact@65 deg to c.a.	6j	Po, qtz	013	299.33	299.53	0.20		3			0.006					

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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)
		296.41-296.9 Fault gouge breccia, quartz within matrix. 299.33-299.53 Chert, 3% pyrrhotite, stringer																
303.00	322.30	**FAULT ZONE** Dark green, fine grained and highly fractured and blocky. Unit exhibits appearance of a equigranular mafic dike that is highly fractured and brecciated. Abundant low angle (0-15 deg to c.a.) fractures with abundant hematite and black chlorite indicating significant water flow through structure. Several in-situ breccia's with greenish-white quartz infilling matrix with angular/jagged mafic clasts. Abundant quartz-potassic feldspar veinlets at various orientations exhibiting an early stage jig-saw breccia appearance. Trace pyrite along fractures. Non-magnetic. Local narrow (2-5cm) clay fault gouge at shallow core angles. 318.0-319.3 In-situ breccia 322.0-322.3 Intermediate dike @ 44 deg to c.a.																
322.30	412.55	**MAFIC TUFF** Dark green, fine grained and weakly to locally moderately fractured @ 45.0 to 65 deg to c.a. Unit locally exhibits a weak tuffaceous texture with weak banding and a gritty texture increasing down section. Local trace pyrite along fractures. Occasional white quartz veins at various orientations. Unit becomes progressively more massive down section. Last 1.2m of unit, exhibits a pyroxenitic text with bands pf dark green pyroxene with some pyrrhotite blebs with associated biotite. Sharp lower contact @41 deg to c.a.	QV		014	385.90	386.60	0.70	0.25	1			0.010					
			MV	pxn,bio	015	412.05	412.55	0.50	-	0.5			0.059					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-012

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)
		324.4-325.7 Broken blocky core 341-345.5 Broken blocky core 355.4-355.6 Quartz vein 358.95-359.10 Quartz vein, irregular contacts 368.50-368.8 Felsic dike @ 65 deg to c.a, sheared contacts 382.5-386.5 20% quartz stringers and veins upto 30cm, white to medium grey intermixed with pyroxenitic veins intermixed with local pyrrhotite. 385.9-386.6 Quartz stockwork, 1% pyrrhotite, pyroxenite veins 391.5-392.1 Quartz vein 409.0-409.13 Chert-Pyrrhotite Iron formation, PO stringers with layered chert band.																	
412.55	415.10	**IRON FROMATION (UPPER)** Very finely bedded unit of dark grey to black argillitic material intermixed with cherty bands. Bedding ranging from 1mm to 10cm. Center of unit exhibits significant folding with core angels ranging from 0 to 90 deg to c.a with some re-folded folds occurring. Upper and lower portion of unit has regular bedding predominantly 47 deg tca. Unit overall is approximately 30% argillitic material and 70% chert. Cherty sections are buff grey to white exhibiting some zonation locally with intermixed pyrrhotite bands stringers and local wisps of chalcopyrite (0.25%) along periphery of pyrrhotite bands. Argillic sections more finely banded and cherty sections bands ranging from 2-10cm. Argillic sections exhibits some intermixed siltstone bands (0.5 to 1cm). Unit is moderately to strong magnetic throughout with cherty sections being stronger with the presence of pyrrhotite stringers. Graphite common in darker argillitic sections forming as slicken slides. Pyrrhotite forming as stringers and bands as well as local wispy blebs predominantly with argillic sections. Minor chalcopyrite locally along stringer boundaries of pyrrhotite. Local	IF		016	412.55	413.55	1.00	0.5	15			0.042					
			IF		017	413.55	414.00	0.45	0.5	15			0.011					
			IF		018	414.00	415.10	1.10	1.0	5			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)
		1-2% pyrite predominantly in upper portion of unit and predominantly within cherty sections. Po:py ratio of approx 12:1. Sharp upper contact @ 47 deg. To c.a. Lower contact @55 deg. To c.a., sharp. First 1.5m of unit, predominantly chert bands with intermixed pyrrhotite bands/stringers with remainder of unit predominantly argillic bands.																
415.10	433.54	**GABBRO** Rather homogenous unit of dark green melanocratic gabbro/amphibolite consisting of fine to medium-grained groundmass hosting coarser-grained amphiboles to 0.5cm in length resulting in a pyroxenitic appearance. Non-magnetic Cut by very occasional quartz/carb veinlet. Competent with few breaks. Both upper and lower contacts unit becomes finer grained gradationally to medium grained in center. Unit exhibits a moderate to strong foliation over last meter of unit with associate moderate to strong biotite over last 0.5m. Fine pyrite mineralization present locally.	Gab	pxn	019	415.10	415.60	0.50	tr	-			0.014					
			Gab	bio	020	432.54	433.54	1.00	tr	-			0.002					
433.54	436.74	**IRON FORMATION (MAIN)** Unit starts off as finely banded argillic-chert to 433.88m with very fine black mudstone with 40% pyrrhotite and occasional quartz stringers. Pyrrhotite is both as fine stringers to semi-massive sulfides. Upper contact moderately foliated with associated chlorite and local biotite. Exhibits moderate folding. Moderately to strongly magnetic. From 433.88 to 435.96m predominantly chert with some intermixed narrow wacke bands and fine dark amphibole bands with local magnetite. Occasional argillic band as well only constituting 5% of interval. Overall chert makes up 80% of unit.	IF	Po,qtz	021	433.54	434.00	0.46	tr	10			0.066					
			IF	Po,amph	022	434.00	435.00	1.00	0.25	6			0.040					
			Standard		023	435.00	435.00	0.00	-	-			1.530					
			IF	Po,amph,gnt	024	435.00	436.06	1.06	0.25	5			0.330					
			blank		025	436.06	436.06	0.00					0.002					
			IF/wacke	Po	026	436.06	436.74	0.68	tr	1			0.095					

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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)
		Weak magnetism. Chert is buff white to smokey grey and bands ranging from 0.5 to 5cm. Banding predominantly @ 72 deg to c.a. with little folding. 1 to 7% pyrrhotite predominantly within darker phases and 0.25% pyrite with Po forming mainly as stringers. Unit is very competent. 435.96 - 436.57m; Predominantly dark grey, unmineralized wacke with some intermixed cherty bands with associated Po stringers. Sharp lower contact with dike @ approx 70 deg to c.a. 439.85 to 443.4m is a section of relatively homogenous and uniformly bedded magnetite-amphibole-chert. The rocks is striped buff brown/green amphibole bands and dark grey black magnetite bands. 0.25 to 3% pyrrhotite blebs and local narrow stringers. Amphiboles are light green to dark buff green to brown in colour with fairly clean cut banding and not the strong fuzzy/buff contacts. Bands typically 0.5 to 2cm @ approx 62 deg to c.a. Irregular lower contact with dike. Standard used for sample 023 was CDN-CM-2															
436.74	439.85	**INTERMEDIATE DIKE** Intermediate dike, dark grey to black, fine grained to aphanitic at contacts becoming slightly feldspar phyric towards center of unit. Competent. 25cm section of strong potassic alteration and some alkali feldspar crystals. Competent with occasional fracture. Healed fractures with associated bleaching at various orientations. Non magnetic and unmineralized.	I.dy		027	436.74	438.00	1.26					0.013					
			I.dy		028	438.00	439.00	1.00					0.011					
			I.dy		029	439.00	439.85	0.85					0.413					

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)
439.85	466.53	**IRON FORRMATION (MAIN)**	IF	mag,po,amph	030	439.85	441.00	1.15	tr	4			8.490					
			IF	mag,po,amph	031	441.00	442.00	1.00	-	2			3.080					
			IF	mag,po,amph	032	442.00	443.00	1.00	0.25	2			1.190					
			IF	mag,po,amph.gnt	033	443.00	443.67	0.67	tr	2			0.569					
			wacke		034	443.67	444.33	0.66					0.013					
			IF	mag,po,amph,gnt	035	444.33	445.30	0.97	tr	0.5			1.020					
			IF	mag,amph,gnt	036	445.30	445.96	0.66	-	0.25			0.682					
			IF	mag,po,amph,gnt	037	445.96	447.00	1.04	tr	6			1.470					
			IF	mag,amph	038	447.00	448.00	1.00		tr			0.927					
			IF	mag,amph,gnt	039	448.00	449.00	1.00	tr	3			0.431					
			IF	mag,amph,gnt	040	449.00	450.00	1.00	-	2			6.860					
			IF	mag,amph	041	450.00	451.00	1.00	-	0.25			0.447					
			IF	mag,amph	042	451.00	452.00	1.00	-	2			9.410					
			IF	mag.amph	043	452.00	453.00	1.00	-	0.75			4.850					
			IF	mag,amph.po	044	453.00	454.12	1.12	tr	10			8.270					
			wacke		045	454.12	454.94	0.82					0.267					
			IF	Po,amph	046	454.94	455.93	0.99	tr	7			9.260					
			wacke		047	455.93	456.70	0.77	-	-			0.062					
			IF	Po,gnt	048	456.70	457.70	1.00	tr	3			7.460					
			blank		049	457.70	457.70	0.00					0.002					
			IF	mag,amph,gnt	050	457.70	458.70	1.00	-	0.25			1.180					
			IF	mag,amph	051	458.70	459.70	1.00	-	-			0.344					
			IF	mag,amph,po	052	459.70	460.70	1.00	0.25	5			1.140					
			Standard		053	460.70	460.70	0.00					3.070					
			IF/wacke	mag,po,gnt	054	460.70	461.70	1.00	0.25	3			1.780					
			IF	qv,po,gnt	055	461.50	462.50	1.00	1	2.5			1.220					
			IF	qv.po,mag,amph	056	462.50	463.50	1.00	0.5	4			1.270					
			IF	po,mag,amph	057	463.50	464.14	0.64	0.25	3			0.413					
			IF	po,mag	058	464.14	464.90	0.76	0.25	6			3.680					
			I.dy		059	464.90	466.01	1.11	-	-			0.232					
			IF	mag,amph	060	466.01	466.53	0.52	tr	1.5			0.220					

439.85 to 443.4m is a section of relatively homogenous and uniformly bedded magnetite-amphibole-chert. The rocks is striped buff brown/green amphibole bands and dark grey black magnetite bands. 0.25 to 3% pyrrhotite blebs and local narrow stringers. Amphiboles are light green to dark buff green to brown in colour with fairly clean cut banding and not the strong fuzzy/buff contacts. Bands typically 0.5 to 2cm @ approx 62 deg to c.a.

443.4 to 449.78m is a section of interbedded amphibole-garnet altered and chert iron formation exhibiting strong folding with core angles ranging from 0 to 62 deg to c.a. Especially evident within more amphibole-garnet rich sections. Amphiboles are dark green/black with associated garnets. Garnets are anhedral to subhedral, upto 1cm and commonly form as clusters. Unit approx 45% amphibole + magnetite + garnets + pyrrhotite and 55% grey chert bands. Local fine magnetite bands commonly associated with pyrrhotite. Trace to 3% pyrrhotite with several areas of stringer to semi-massive pyrrhotite.

449.78 to 460m is a section of relatively homogenous and uniformly bedded magnetite-amphibole-chert. Similar to 439.85 to 443.4m except bands are more diffuse The rocks is striped buff black/green amphibole bands and dark grey black magnetite bands. 0.25 to 3% pyrrhotite blebs and local narrow stringers. Unit exhibits local areas of moderate folding and convoluted bedding. Magnetite bands range from 2mm to 5mm and amphibole bands are 0.5 to 1cm with occasional chert band. Unit is very competent and unfractured.
Sharp lower contact with dike @51 deg to c.a.

461.45-461.75 Wacke

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)
		462.36-462.84 Smokey grey quartz vein with Po and Py. 464.9-466.01 Intermediate dike, broken blocky contacts Standard used for sample 053 was CDN-GS-3H																
466.53	467.65	**INTERMEDIATE DIKE** Medium to dark grey, fine grained locally becoming feldspar phyric and moderately fractured. Gritty texture, unmineralized and non-magnetic. 15cm raft of mafic volcanic with 8% pyrite.	I.dy		061	466.53	467.65	1.12	2				0.011					
467.65	492.47	**FOLIATED MAFIC VOLCANIC** Dark green, fine grained and strongly foliated. Unit is highly fractured and blocky locally exhibiting a fault gouge texture. Deep green and amphibolized with progressively stronger biotite alteration down section. Trace to locally 0.25% disseminated pyrite. Foliation predominantly 47 deg to c.a. Patchy texture due to biotite alteration within strong amphibole alteration. Several fault gouge over 20-30cm, finely ground with clay alteration. Several quartz veins with 15% pyrite, upto 27cm. Several feldspathic veinlets with some pinkish red alkali feldspar. Sharp lower contact@62 deg to c.a. 484.12-484.92 Felsic dike, pale reddish grey, fine grained, highly silicified. Some associated quartz veinlets. 489.90-490.80 Pyrrhotite stringers upto 5cm. 15% pyrrhotite over length of interval.	QV	qtz,py	062	482.35	482.65	0.30	15	2				0.046					
			MV	amph,bio,py	063	482.65	483.45	0.80	3	-				0.077					
			QV	qtz,py	064	483.45	483.75	0.30	15	tr				0.112					
			MV	bio	065	489.45	489.90	0.45	tr					0.014					
			MV	bio,po	066	489.90	490.80	0.90	tr	15				0.043					
			MV	bio	067	490.80	492.00	1.20	tr					0.006					
			MV	bio	068	492.00	492.47	0.47	tr					0.007					

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METERAGE FROM	METERAGE TO	DESCRIPTION
492.47	508.33	**IRON FORMATION (LOWER)** 492.47-501.52 Unit starts of with alternating bands of pyrrhotite rich bands with associated amphibole with chert bands with significantly less sulfide mineralization. Pyrrhotite rich bands form as semi-massive layers to stringers with very little pyrite ranging from 1-12cm with a PO-PY ratio of 25:1. Chert bands are light to medium grey, aphanitic and commonly occur adjacent to pyrrhotite bands/layers. Chert bands range from 1 to 20cm becoming finer down section. Banding quite variable ranging from 30-60 deg to c.a with some evidence of folding. Pyrrhotite ranges from 2 to 15%. 501.52-504.00 Garnet-amphibole-magnetite iron formation, with some intermixed chert. Bands range from 0.5 to 5cm. Garnet-amphibole bands intermixed with magnetite locally exhibit strong folding with some boudanage occurring. Some S-folding. Pyrrhotite predominantly present with gnt-amph layers and mainly devoid within chert bands. Pyrrhotite 2% of unit. Sharp lower contact with dike@40 deg to c.a. 439.85 to 443.4m is a section of relatively homogenous and uniformly bedded magnetite-amphibole-chert. Amphiboles are light green to locally dark buff green to brown in colour with fairly clean cut banding and not the strong fuzzy/buff contacts. Bands typically 0.5 to 2cm @ approx 47 deg to c.a. Sharp lower contact with dike @51 deg to c.a. 493.28-494.72 Wacke 498.98-501.0 Intermediate dike, sharp contact@52 deg to c.a. (lower) and upper contact @ 68 deg to c.a. Standard sample 082 HGS3

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)
IF	po,amph	069	492.47	493.33	0.86	0.5	8			0.024					
IF		070	493.33	494.72	1.39	-	-			0.002					
IF	po	071	494.72	495.84	1.12					0.016					
IF	po,py	072	495.84	496.76	0.92	1	4			0.023					
IF		073	496.76	497.58	0.82	-	-			0.008					
IF	po	074	497.58	498.98	1.40	0.25	4			0.026					
l.dy		075	498.98	500.00	1.02	-	-			0.005					
l.dy		076	500.00	501.00	1.00	-	-			0.006					
IF	po,mag	077	501.00	502.00	1.00	tr	1.5			0.018					
blank		078	502.00	502.00	0.00	-	-			0.002					
IF	mag,gnt	079	502.00	503.00	1.00	-	1			0.342					
IF	mag,gnt	080	503.00	504.00	1.00	-	1			0.320					
IF	mag	081	504.00	505.00	1.00	tr	-			0.489					
Standard		082	505.00	505.00	0.00					3.950					
IF	mag	083	505.00	506.00	1.00	tr	2			0.722					
IF	mag	084	506.00	507.00	1.00	tr	1			0.777					
IF	mag,amph,gnt	085	507.00	508.33	1.33	-	1			0.037					

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)
508.33	510.46	**INTERMEDIATE DIKE** Medium to dark grey, fine grained locally becoming feldspar phyric and moderately fractured. Gritty texture, unmineralized and non-magnetic. Sharp lower contact @40 deg to c.a. Very fine disseminated pyrite, tr-0.25%.	I.dy		086	508.33	509.33	1.00					0.031					
510.46	529.70	**FOLIATED MAFIC VOLCANICS** Dark green. fine grained and relatively competent. Unit exhibits moderate foliation near contact with intermediate dike and locally become more massive down section. Strong biotite alteration down to 512.75m. Foliation ranging from 42-54 deg to c.a. Unit locally becomes amphibolite in texture, becoming coarser grained wit associate amphibole clots. This is especially evident down section near an Intermediate dike. 513.66-513.87 Fault gouge @48 deg to c.a.																
529.70	537.62	**INTERMEDIATE DIKE** Medium to dark grey, fine grained locally becoming feldspar phyric and moderately fractured. Gritty texture, unmineralized and non-magnetic. Sharp lower contact @60 deg to c.a. Very fine disseminated pyrite, tr-0.25%. Dike is feldspar phyric with 3-5% subhedral feldspars (2-3mm).																
537.62	549.00	**MAFIC VOLCANICS**																

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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)
		Dark green, fine grained and massive. Unit is unfractured and unaltered. Foliated at upper contact with dike becoming amphibolite in texture with a more pronounced foliation and amphibole clots. End of Hole																

Printed: August-18-21

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Dona Lake	CLAIM NO.:	LEA-108365			DOWNHOLE SURVEY METHOD: Gyro	REMARKS: Hole drilling below DL21-007. Started with one hex core barrel and long reaming shell. Hole shutdown at 141m due to excessive deviation. Casing pulled.
HOLE NO.:	DL21-013	LENGTH (m):	141.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5699746.000	EASTING:	702610.300	COLLAR SURVEY BY: Reflex Rig Aligner	
SECTION:	N/A	ZONE:	Main	ELEVATION (m):	390.000	DRILLING COMPANY: Cyr Drilling	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	266. / -69.7	SURVEYED:	266.700 / -69.700	DATE LOGGED: May. 09, 2021 TO May. 10, 2021	Core Storage: On site
HOLE STARTED:	May 08, 2021	HOLE FINISHED:	May 09, 2021	MAG:	3.69º 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	18.00	**OVERBURDEN** Downhole surveys 30m Azi 268.7 Dip -70.3 80m Azi 268.8 Dip -69.8 130m Azi 272.3 Dip -68.4 136m Azi 272.6 Dip -68.2																
18.00	48.00	**DIABASE** Fine-grained and massive unit of magnetic diabase. Classic massive interstitial intrusive texture of approx 50% plag within 50% pyroxenes. Magnetism decreases along with grain size becoming non-magnetic in finest material. Upper contact not drilled and lower contact shows an aphanitic last 15-20cm before a rubbly contact @ approx 40 deg tca Fairly jointed unit averaging 4-5 breaks per meter. Potassic rich stringers present below 43.50m. Brittle fault from 42.10 to 42.40m																
48.00	56.40	**MAFIC VOLCANICS** Deep green, fine to locally coarser-grained with speckled tuffacous texture to 51.40m. Unit shows weak to moderate foliation with tremendous crack & seal type quartz/carb structures at approx 8-10%. The structures are small scale dilation zones filled by white barren quartz-carbonate; randomly oriented for the most part and show a local breccia texture.	mv		001	55.40	56.40	1.00	-	-			0.012					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-013

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)
		Slight coarsening of amphiboles at approx 53.90m with the presence of brown biotite that reaches 50% locally.																
56.40	65.80	**ALTERATION/SHEAR ZONE** Heterolithic section consisting of moderate to strongly foliated volcanics with a variation of strong silicification, biotization, green chloritization and beige/brown albitization. Local intensities in foliation/shearing resulting in a more schistose texture and locally mylonitic. Foliation ranges between 15 and 55 deg tca averaging approx 50 deg tca. Competent with few breaks. Biotite present from trace to 65% as weak bands to more pervasive resulting in a browning of the core. Amphiboles are dark green and fine to locally coarser-grained. Silicification floods parts of the unit resulting in a buff diffuse appearance. The feldspars with the volcanics have a much more pronounced appearance from white to beige albitization, i.e. 59.55 to 59.70m. Associated with some quartz veinlets, is softer green chlorite. Quartz veinlets to 5cm true width; semi-transparent to white to brownish coloured. Quartz veinlets range from 2-20%, show crenulations and local small scale folds and contain only minor pyrite. Porphyroblastic quartz present in areas of stronger deformation. Sulphides present as finely disseminated pyrite with trace to minor pyrrhotite ranging from trace to 5-6% locally. Areas of stronger silicification tend of host stronger mineralization such as between 57.10 to 57.65m, 59.40 to 59.80m and 64.75 to 65.10m. A semi-massive pyrite seam of 4mm at 60.27m in very close proximity to a silicous dikelet. Strongest areas of deformation/alteration are from 57.10 to 57.65m, 58.60 to 59.80m, 62.40 to 62.46m, 63.40 to 63.75m and 64.75 and 65.80m.	alt z		002	56.40	57.00	0.60	tr	-	0.141							
			alt z	strong biotite, amph	003	57.00	58.00	1.00	3	tr	0.108							
			alt z	strong biotite, quartz	004	58.00	59.00	1.00	0.5	-	0.087							
			Blank		005	59.00	59.00	0.00			0.002							
			alt z	albite, sil, biotite	006	59.00	60.00	1.00	3	tr	0.196							
			alt z	strong biotite	007	60.00	61.00	1.00	0.25	-	0.103							
			alt z	amph and mod biotite	008	61.00	62.00	1.00	tr	-	0.020							
			alt z	mod silicif, qtz	009	62.00	63.00	1.00	tr	-	0.047							
			alt z	strong biotite and qtz	010	63.00	64.00	1.00	0.25	tr	0.113							
			alt z	strong silicif	011	64.00	65.00	1.00	3	tr	0.156							
			alt z	mod silicif, biotite, qtz	012	65.00	65.80	0.80	1	tr	0.459							

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-013

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)
		VG present at 58.98m as two tiny pinheads along the boundary of a discontinuous semi-transparent to brownish coloured quartz veinlet 8mm in thickness. Gold associated with pyrite. 57.30 - 57.53m: iron formation? -within the immense foliation/shear is what appears as a 6cm cherty band and some disseminated magnetite adjacent to it 59.82 - 60.05m: amphibolite/chlorite schist -lighter green schist that resembles a foliated pyroxenite																	
65.80	79.90	**MAFIC VOLCANICS** The unit starts off well foliated with a locally speckled tuffacous texture between areas of increased foliation/shearing. Deep green and amphobolized with weak biotite as thin local bands. Starting at approx 73.50m the unit becomes a more massive textured rock cut by 10% randomly oriented white quartz/carb veinlets with dark green amphiboles rims. Competent with few breaks. 68.60 - 69.84m: area of shearing resulting in a weak mylonitic texture with kinked and contorted white quartz stringers and veinlets with a ribboned appearance, coarse amphiboles and biotite; strong beige albitization over upper 12cm. Last 17cm of interval flooded with 75% semi-transparent grey to purplish and white quartz containing 25% black amphiboles and trace pyrite 71.65 to 71.98m: shear composed of 50% white to brown/purple quartz veinlets and knots; foliation wavy and perhaps shows the nose of a fold; mylonitic; 0.25 - 0.5% fine disseminated pyrrhotite	mv	amph	013	65.80	66.80	1.00	-	-			0.026					
			mv	amph	014	66.80	67.80	1.00	-	-			0.027					
			mv	amph	015	67.80	68.60	0.80	-	-			0.016					
			shr	quartz and albite, biotite	016	68.80	69.85	1.05	tr	0.25			0.029					
			mv		017	69.85	70.75	0.90					0.009					
			mv		018	70.75	71.65	0.90					0.012					
			shr	quartz	019	71.65	72.00	0.35	tr	tr			0.352					
			mv		020	72.00	72.50	0.50	-	-			0.020					
79.90	84.13	**AMPHIBOLITE/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)
		Paler green to weak yellowish chlorite-actinolite schist with a strongly crenulated foliation. The rock consists of chlorite +/- actinolite and is much softer. Almost mylonitic in places, this schist shows a waviness or crenulations of the schistosity. Open fractures show well developed slickensides. Contacts somewhat gradational.																
84.13	90.70	**FOLIATED VOLCANICS** Deep green with a speckled tuffacous texture; cut by approx 5-8% late white quartz/carb crack sealed material. Unit increases in fractures downhole. Quartz veins between 88.60 and 90.02m with mineralized and amphibolized volcanics between. 88.60 - 89.05m: white to semi-transparent grey quartz vein @ 20 deg tca -contains 5-7% wispy to clotty green amphiboles -small 2-4mm blebs of po within quartz close to upper contact 89.58 - 89.70m and 89.88 - 90.02m: white to semi-transparent quartz veins containing 10-15% clotty black amphiboles -trace pyrite	mv		021	88.10	88.60	0.50	-	-			0.175					
			qv/mv		022	88.60	90.02	1.42	1.5	tr			3.550					
			mv		023	90.02	90.52	0.50	-	-			0.028					
90.70	100.45	**MAFIC VOLCANICS** Deep green, rather massive and featureless until approx 98.40m where the grain size of amphiboles increases along with fine biotization approaching the adjacent dike. Very blocky unit to 93m where it becomes competent again. Cut by few late quartz structures.																
100.45	126.90	**INTERMEDIATE DIKE**	flt	epidote/calcite/pyrite	024	125.62	126.43	0.81	1	-			0.009					

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)

Generally grey, fine to locally coarser as well as weakly porphyritic. Not homogenous as alteration intensity and type changes with tectonic activity. It appears the unit has seen at minimum two stages of tectonism with healed and reworked shears/faults. The dike is mainly a grey, fine-grained and massive to weakly foliated and consists of approx 40% black biotite, 30% quartz and 30% plagioclase. Where the dike is cut by hairline calcareous stringers, thin quartz veinlets or disrupted by more intense tectonism, the unit shows bleached halos and weak porphyritic texture. Along with the bleaching is local sausseritization of the plag and fine k-spar causing a soft green and orange/pinkish colouration respectively.
Tectonism is strongest between 118.25 and 126.00m as healed gouge seams, open faults and a healed fault. Occasional coarse-grained white quartz vein.

108.50 - 108.94m: coarse semi-transparent to white quartz vein with sharp but irregular contacts
-minor white and pink calcite

118.45 and 118.48m: mm-scale gouge seams with bleaching and weak potassic alteration

118.90 - 119.10m: open fault @ 20 deg tca
-remnant clay to gravel gouge deep green with strong orange potassic feldspar
-groundwater movement

119.10 - 119.43m: amphibolite schist

123.15 - 123.42m: coarse white to semi-transparent quartz vein with wavy contacts

125.62 - 125.73m: healed fault zone with fine silicification and

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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)
		clotty white to pink calcite -within the structure also are zoned growths of black tourmaline encased in green epidote with an appearance of agate -associated with the fine silicification is 2-4mm blebs of pyrite 125.90 - 126.43m: a sealed vug with zoned black tourmaline and green epidote along the boundary with white and pick calcite in the center sealing off the vug. Oriented at approx 5 deg tca																
126.90	141.00	**MAFIC VOLCANICS** Upper 1.40m well foliated with approx 15-20% thin quartz-carb stringers and veinlets before gradationally becoming more massive with very little quartz. The unit becomes a rather homogenous green flow to pillows below 139.0m. Local patches of quartz sealed cracks and dilation zones between 132.50 and 134.00m to 15% quartz. End of Hole																

Printed: August-18-21

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Dona Lake	CLAIM NO.:	LEA-108365			DOWNHOLE SURVEY METHOD: Gyro	REMARKS: Hole started with one hex core barrel and long reaming shell. Drilling beneath hole DL21-007.
HOLE NO.:	DL21-014	LENGTH (m):	528.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5699745.000	EASTING:	701610.000	COLLAR SURVEY BY: Reflex TN-14 Rig Aligner	
SECTION:	N/A	ZONE:	Main	ELEVATION (m):	390.000	DRILLING COMPANY: Cyr Drilling	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	264. / -69.5	SURVEYED:	264.600 / -69.400	DATE LOGGED: May. 11, 2021 TO May. 20, 2021	Core Storage: On site
HOLE STARTED:	May 09, 2021	HOLE FINISHED:	May 20, 2021	MAG:	3.69º w	LOGGED BY: D.Heerema & M.MacIsaac	Page 1 of 23

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	18.00	**OVERBURDEN** Single shot downhole surveys 30m Azi 262.5 Dip -69.2 80m Azi 262.4 Dip -69.0 130m Azi 262.95 Dip -67.87 180m Azi 265.59 Dip -67.87 230m Azi 271.50 Dip -67.0 264m Azi 272.7 Dip -66.5 306m Azi 276.0 Dip -65.7 393m Azi 280.6 Dip -63.7 441m Azi 284.1 Dip -61.7 495m Azi 285.6 Dip -58.3																
18.00	45.00	**DIABASE** Fine-grained and massive unit of weakly to moderately magnetic diabase. Classic massive interstitial intrusive texture of approx 50% plag within 50% pyroxenes. Magnetism decreases along with grain size becoming non-magnetic in finest material. Moderate to strong fracturing/jointing averaging 5 breaks per meter with slight increase below 31m. Upper contact not drilled and lower contact shows a great aphanitic grey/green coloured chill margin @ 42 deg tca.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-014

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)
45.00	52.60	**MAFIC VOLCANICS** Unit starts off massive but develops a weak to moderate foliation starting at approximately 48.0m. Deep green fine to medium-grained amphibole altered increasing in secondary quartz structures downhole from <1% at top to 5% at the base. Biotite alteration begins to appear around 48.40m as local clots to weak bands. Competent rock. 46.00m: 2.5cm quartz veinlet @ 35 deg tca -extensional veinlet of semi-transparent grey quartz growing in from the contacts to center 49.24 - 49.60m: quartz vein @ 60 deg tca -mainly white with 10% semi-transparent grey quartz hosting 7% tiny to large 4cm semi-rounded xenoliths of amphibolized volcanics -shear related? -1% very finely disseminated pyrite over upper and lower 10cm associated with finer recrystallized quartz	mv		001	48.74	49.24	0.50	-	-			0.006					
			qv		002	49.24	49.60	0.36	<1	-			0.075					
			mv		003	49.60	50.10	0.50	tr	-			0.023					
			mv		004	50.10	50.60	0.50	-	-			0.020					
52.60	65.90	**ALTERATION/SHEAR ZONE** Foliated amphibolized and biotized volcanics with a stronger foliation, deformation and alteration than surrounding volcanics that is host to more late quartz. The unit isn't homogenous with areas within with stronger and weaker foliation and alteration. As whole, the unit has a ribboned appearance of white quartz-carb stringers amongst a brown/green groundmass cut locally by late semi-opaque white to brownish quartz veinlets and flooding. Sections show a mylonitic texture. Amphiboles are on the coarser side with a moderate to dark green colour and in places form an amphibolite schist to 90% amphibole.	alt	strong biotite, 8% qtz	005	52.60	53.30	0.70	0.5	0.25			0.154					
			alt	strong amph, mod biotite	006	53.30	54.30	1.00	tr	-			1.190					
			alt	strong amph	007	54.30	55.23	0.93	tr	-			0.019					
			alt	strong biotite, 20% qtz	008	55.23	56.40	1.17	tr	-			0.456					
			alt	strong biotite	009	56.40	57.00	0.60	-	-			0.073					
			alt	strong amph, mod biotite	010	59.00	60.00	1.00	-	-			0.199					
			alt	strong amph	011	60.00	61.00	1.00	-	-			0.015					
			alt	mod biotite, 12% qtz	012	61.00	62.00	1.00	tr	-			0.142					
			alt	mod biotite, 4% qtz	013	62.00	63.00	1.00	tr	-			0.172					
			Standard		014	63.00	63.00	0.00					1.510					
			alt	weak biotite, 2% qtz	015	63.00	63.70	0.70	tr	-			0.263					
			alt	strong amph	016	63.70	65.10	1.40	-	-			0.037					
			alt	strong biotite, 13% qtz	017	65.10	65.90	0.80	tr	-			0.061					

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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)
		Biotite alteration is somewhat patchy and found associated with more quartz stringers and stronger deformation reaching 65% locally. Late quartz veinlets and flooding range from <1cm to 6cm in width with extremely wavy and irregular contacts showing evidence of kinking and folding (i.e.. 61.90m). The quartz is generally barren of sulphides and has a semi-opaque white to brownish colouration. Sulphides consist of local finely disseminated pyrite and rarer pyrrhotite. Overall the sulphide content is very low. Foliation ranges from 35-55 deg tca with what appears to be a fold nose clipped by the drill at 55.40m. 53.10 - 53.25m: 45% quartz 55.23 - 55.55m: 60% quartz 56.00 - 56.10m: 99% quartz 61.82 - 62.15m: 50% quartz 65.76 - 65.84m: 100% white quartz Used standard VMS4 for sample 014																
65.90	73.65	**FOLIATED VOLCANICS** Deep green, moderately foliated and locally speckled with coarser amphiboles. Competent rock with few breaks. Approx 3-4% late white crack sealed quartz-carb stringers to veinlets to 3cm. 70.68 - 71.00m: quartz healed shear @ 40 deg tca -flooded by 65% semi-transparent grey to purplish coloured quartz with a boudened texture containing 35% elongate and stretched wisps to stringer amphiboles -a tinge of orange k-spar -upper 4cm consists of finer white carbonate at clotty semi-	mv		018	65.90	66.40	0.50	-	-			0.035					
			mv		019	70.18	70.68	0.50	-	-			0.331					
			qv		020	70.68	71.00	0.32	tr	-			0.098					
			mv		021	71.00	71.50	0.50	-	-			0.023					

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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)
		transparent white quartz -minor biotite along contacts -weak disseminated pyrite cubes to 2mm																
73.65	74.90	**ACTINOLITE-CHLORITE SCHIST** Paler green to weak yellowish chlorite-actinolite schist with a strongly crenulated foliation. The rock consists of chlorite +/- actinolite and is much softer. Almost mylonitic, this schist shows a waviness or crenulations of the schistosity. Moderate to sharp contacts; upper and lower @ 50 and 30 deg tca respectively.																
74.90	109.20	**MAFIC VOLCANICS** Deep green and start off weakly to moderately foliated that gradationally become more massive by 76m. The rock are gritty with somewhat shiny appearance. Fine-grained and massive, cut by <1 to 5% late crack sealed quartz-carb per meter averaging 3%. Between 77.70 and 84.40m are thin late quartz-carb stringers to veinlets to 1cm with dark amphibolized rims. Beginning at 105.90m is the presence of biotite alteration approaching the adjacent dike. Competent and non-magnetic rock. 98.40 - 99.58m: foliated section with increased quartz-carb stringers and flooding of semi-transparent grey to white quartz from 99.10 to 99.58m @ 55 deg tca. 99.00 to 99.10m shows folding and tremendous quartz stringers to veinlets with weak to moderate pyrite 99.10 - 99.58m: 90% semi-transparent quartz hosting elongate xenoliths of deep green and brown amphibolized and biotized volcanics	shr/qv		022	99.40	99.58	0.18	0.25	-			0.573					

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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)

-finely disseminated pyrite found mainly near lower contact as fresh and oxidized grains
-weak pyrrhotite
-lower contact of vein @ 20 deg tca

109.20 132.24 **INTERMEDIATE DIKE**

Generally grey, fine-grained groundmass and weakly porphyritic and closer to a felsic dike than intermediate. Certainly not homogenous as alteration intensity and type changes with tectonic activity. The dike is mainly a grey, fine-grained and massive to weakly foliated and consists of approx 40% black biotite, 30% quartz and 30% plagioclase. A lighter grey more bleached appearance associated with areas of stronger tectonism and fracturing. Gritty looking rock. Well fractured below 115.0m with local shears and an open fault. Upper contact @ 40 deg tca. Lower @ 28 deg tca.

111.20m: hairline healed fractures filled with canary yellow carbonate? Orpiment?

120.03 - 120.18m: extension quartz-carb vein @ 50 deg tca
-semi-transparent white quartz with finer white carbonate

122.85 - 123.37m: foliated and heavily biotite altered volcanics

123.88 - 124.67m: foliated amphibolized volcanics with quartz healed shear over the upper 13cm @ 30 deg tca
-0.25% pyrite in quartz
-last 15cm shows wavy fabric with 50% fine quartz-carb flooding
-lower contact @ 85 deg tca

125.15 - 125.50m: sheared portion of dike @ 40 deg tca with mylonitic texture

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		126.00 - 126.60m: fault @ 30 deg tca -remnant narrow seams of clay gouge within heavily fractured and locally gravel type material 127.83 - 127.93m: massive coarse-grained quartz vein @ 45 deg tca																
132.24	176.85	**MAFIC VOLCANICS (HORNBLENDITE)** Upper 2.75m to 135m is very fractured with breaks at 45 and sub-parallel tca. Rock is dark green-black, medium to coarser grained and very competent and massive. Unit is relatively unfractured with very occasional white quartz veinlets from <1 to 3cm. Unit has a local spotted appearance with black phenocrysts of hornblende within a darker green matrix. Locally mineralized by trace to 0.5% disseminated pyrite over 0.5m. When dry, exhibits a gabbroic texture. Non magnetic. Gradational lower contact fining over last 0.80m to the fine-grained pillows below.																
176.85	191.35	**PILLOW BASALTS** Very fine-grained, moderate to deep green coloured pillows with relatively massive texture. Thin dark selvages from 3 - 6mm in width at random angles tca. Slight coarsening of grain size locally. Unit cut by approx 2-3% white crack sealed quartz-carb with occasional veinlets to 8cm true width. Structures approx 20% carbonate. Non-magnetic and competent rock. No visible sulphides to note.																
191.35	192.00	**INTERMEDIATE DIKE**																

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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)

Very fine-grained and dark. Weakly silicous and cut by four mm-scale quartz stringers. Contacts sharp @ 65 deg tca.

192.00 201.42 **FOLIATED VOLCANICS**

Amphibolized and weakly to moderately biotized volcanics with a distinct foliation @ 50-55 deg tca locally schistose. Biotite brown and evident mainly as moderate to semi-massive bands parallel to foliation.
Competent with few fractures. Non-magnetic.

192.67m: 1cm shear @ 36 deg tca healed by silicous dike material
-trace pyrite

195.14 - 195.22m: patch containing 10% buff white subhedral phenocrysts; dikelet?

195.82 - 199.58m: potential dike @ 50 deg tca
-contacts are silicous and lighter in colour
-the bulk of the unit is dark green starting off massive and porphyritic to 197.50m before becoming foliated and strongly resembling host volcanics
-orange potassic alteration between 197.50 and 198.06m

201.42 205.00 **INTERMEDIATE DIKE**

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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)

Very fine-grained, competent unit with a grey/brown/purplish hue. Rock is composed of 45-50% very fine biotite and 55-60% feldspar and quartz with a fabric. Approximately 2% disseminated pyrite with grains elongate parallel to fabric as well as occasional late calcareous fracture. Mm-scale bleached halos highlight hairline fractures. Sharp upper and lower contacts @ 42 and 20 deg tca respectively

201.90m: semi-transparent quartz veinlets <1cm thick @ approx 20 deg tca hosting 0.5% clotty pyrite and pyrrhotite to 5mm.
-quartz structures show small scale pinch and swell characteristics

205.00 243.30 **PILLOW BASALTS**

Unit consists of weakly to moderately foliated, amphibolized basalts. Very fine to fine-grained with areas of slight increase in amphibole grain size. Rocks have thin dark to black amphibolized selvages with pillow sizes from 10cm to >1m. Good evidence of selvages at 235.20m. Small patches of faint creamy colour amygdules. Unit competency is fair to good to 240.0m with local areas of blockiness. Unit cut by approximately 3-5% white quartz-carb crack sealing decreasing to 1% below 233.70m. Minor biotite alteration in close proximity to dikes.

205.00 - 205.30m: 40% quartz flooding with irregular contacts
-white quartz with trace pyrite

214.90 - 216.27m: felsic porphyry dike @ 20 deg tca
-fine groundmass hosting 40-45% off white to orange feldspar phenocrysts that decrease gradationally downhole to 10% by 215.90m. Top 10cm is quartz vein followed by 50cm of

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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)

bleaching and moderate to strong potassic alteration that decreases gradually downhole making the dike darker grey-purple in colour.
Last 10cm shows bleaching and potassic alteration also.

218.60 - 218.70m: thin finger of felsic diking @ 23 deg tca

219.28 - 219.58m: finger of felsic diking @ 35 deg tca
-foliated with moderate contacts
-porphyritic

230.80 - 231.70m: brittle fracture/fault zone
-extremely broken and fractured rock with remnant clay on broken faces
-no gouge recovered

243.30 246.40 **FAULT ZONE**

Badly broken with no core below 244.28m exceeding 10cm. Angular shards with many breaks 10-15 deg tca. Recovery below 244.28m is approx 45% with much of this section fine to coarser gravel type material with some remnant gouge seams containing coarser shards within. Some carbonate on fracture faces.

246.40 259.20 **MAFIC VOLCANICS**

Very fine to fine-grained, massive and rather featureless unit of volcanics. Deep green amphibolized and but by very few late quartz-carb stringers. Competency varies with a slightly blocky start, more competent center to 253.70m then very blocky approaching the adjacent fault. RQD value of approx 50% below 253.70m with weak orange potassic alteration within quartz-carb stringers. Alteration is homogenous except for the

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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)

last 1.20m that is slightly paler green and harder.

246.57 - 247.15m: shear @ 50 deg tca within the center 10cm bound by 10-15% crack and seal type quartz-carb and weak silicification

259.20 264.70 **FAULT ZONE**

Immensely ground-up fault zone. Material within the structure is very angular for the most part with sections of coarse sand to gravel material and areas of small rounder material. Between 259.20 and 264.70m, only 67cm of core >10cm exists; most of the rubble is <4cm in size. Rock protolith is mafic volcanics that is cut by 10% white carbonate stringers locally with occasional pink calcite growth located more in the brecciated section. Parts of the fault show lighter green and hard silicification. Breaks within typically 55-60 deg tca but very shallow 5-10 deg fractures present below 262.0m. Some loose remnant gouge present below the 264m block.

259.20 - 259.23m: remnant gouge @ 47 deg tca

259.23 - 259.53m: section of healed brecciation within broken core pieces
-light green/grey coloured silicified groundmass hosting silicous volcanics
-anastomosing hairline carbonate stringers throughout
-trace pyrite

264.70 286.20 **MAFIC VOLCANICS**

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-014

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)

Heterolithic and extremely blocky unit, that in places resemble the fault above. The rocks vary from massive, to massive cut by calcareous stringers to foliated with local areas of stronger intensity. Approx 1-2% white crack sealed quartz-carb later cut locally by massive white and pink calcareous stringers to 25% over 15cm intervals. Non-magnetic and unmineralized. Very blocky rock to 274.00m before becoming slightly more competent with an average of 6-7 breaks per meter.

266.50 - 268.25m: section of strong orange potassic alteration with medium-grained massive texture (dike?)
-0.25 - 0.5% disseminated pyrite
-diffuse contacts

281.60 - 282.00: shear @ 55-60 deg tca
-approx 3-4% quartz flooding
-cut by late vuggy 2cm carbonate-chlorite veinlet with trace pyrite

282.10 - 283.44m: felsic-intermediate dike
-fine-grained and foliated
-deep pervasive red-burgundy coloured
-cut by <1% quartz veinlets that are later cut by 3% thin white quartz-carb stringers
-contacts moderate

286.20 287.83 **FELSIC DIKE**

Unit varies from medium-grained porphyritic to darker, finer-grained. Most of the dike is pervasively deep red-burgundy coloured from massive to foliated. Potassic altered phenocrysts range from 1-3mm in diameter and nil to 5% in abundance. Parts of less altered material appear as dark patches amongst the potassic red. The last 45cm of the unit is finer-grained and darker showing no phenocrysts.

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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)
		Very few calcareous stringers, 17 natural breaks. Sharp irregular upper contact and more diffuse lower contact																
287.83	291.72	**PILLOW BASALTS** Deep green and weakly foliated with thin dark pillow selvages evident. 1-2% fine white sealed cracks. Fine beige albitization as halos around hairline breaks between 290.50 and 291.09m.																
291.72	295.00	**FELSIC DIKE/FAULT** The rocks are soft pink-red coloured with pervasive potassic alteration and a moderate fabric. Weakly porphyritic with 1-3% red phenos. Rocks resemble a granite. Upper 35cm shows darker grey-purple windows of less potassic alteration. The dike is extremely blocky with only the first 65cm of unit containing core >10cm in length. Black fracture faces showing some slickensides and others containing minor remnant gouge. Many of the breaks @ 50 deg tca. Sharp upper contact @ 60 deg tca. Lower is in rubble. 292.12 - 292.38m: a brecciated section of angular dike xenoliths in a black fine-grained matrix. Stronger slips @ 25 deg tca with narrower secondary fractures @ 70-80 deg tca between the shallow set.																
295.00	304.67	**MAFIC VOLCANICS**																

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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)
		Very fine to fine-grained, deep green amphibolized flows with no evidence of pillows. Irregular white quartz-carb ranging from nil to 3%. Moderate blockiness but great relative to the faulting above and below. 297.60 - 297.91m: red felsic dike @ 45 deg tca -moderate fabric like above																
304.67	306.50	**FELSIC DIKE** Fine to medium-grained, pervasive red potassic altered dike with a fabric like above. Moderate fracturing and full recovery. Upper contact @ 60 deg tca and fractures within are parallel to contact.																
306.50	315.60	**FAULT ZONE** Mafic volcanics protolith that is extremely broken up with 25% the core exceeding 10cm in length between natural breaks. Occasional remnants of gouge seams present within showing evidence of movement along the structure. Some faces have a waxy talcy feeling. 7-8% white carbonate stringers between 311.10 and 311.70m. Breaks range from sub-parallel to 60 deg tca. Best evidence of gouge and movement between 311.70 and 311.90m @ 40-45 deg tca. 312.72 - 313.52m: felsic dike like above -pervasive potassic red colouration -weak fabric -competent rock																

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)

313.83 - 314.00m: iron formation @ 62 deg tca
-upper 2cm intact followed by 8-10cm of intense breakage followed by 17cm of fully intact rock
-chert rich (98%) with thin dark magnetite bands to 2-3mm
-buff white to grey chert with very weak green amphibolization
-banding pretty uniform with weak change in orientation
-approx 2% disseminated pyrite blebs

315.60 346.10 **MAFIC VOLCANICS**

Deep green, very fine-grained to fine-grained with a massive unfoliated texture. Unit cut by 1-2% thin quartz-carb stringers on average with slight increase locally. Orange potassic feldspar not uncommon within the carbonaceous stringers. Rocks show good competency to approx 323m before becoming extremely fractured and blocky to 345.35m before competency becomes very good. Fractures/joints commonly found @ 5-10 deg, 45 deg and 60 deg tca. Very occasional piece of core soft to the touch as gouge.

325.60m: two parallel slip planes 3cm apart @ 48 deg tca that contain 40% ladder veining between
-veining as thin 0.5 - 2mm white-orange quartz-potassic felds

334.90m: 4cm beige albitized vein @ 35 deg tca with thin white cross-cutting quartz ladder-type veins

333.00 - 334.35m: good evidence of pillows with thin dark selvages and some creamy amygdules in pillow centers

333.74 - 333.87m: bull quartz vein @ 53 deg tca

338.10 - 340.06m: fault with gravel size material

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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)
		344.60 - 344.70: shear @ 55 deg tca -minor quartz and potassic feldspar																
346.10	421.42	**PILLOWED BASALTS** Very fine to fine-grained with local areas increasing to almost medium-grained. Coarsening of amphiboles with weak biotite in close proximity to dike mentioned below. Rocks are generally massive with areas of weak to moderate foliation. Deep green coloured throughout, cut by nil to 3% thin randomly oriented crack sealed quartz-carb stringers and veinlets from 1mm to 8cm in width. Occasional late semi-transparent to white quartz veins. Thin dark black amphibolized selvages evident as well as odd small patch of creamy coloured amygdules. Rock non-magnetic, competent and very hard. Starting @ 406.1m, unit becomes progressively altered with biotite alteration, increasing down section towards upper iron formation. Local bands 10-20cm consisting of biotite-pyroxenitic material progressing to a more pervasive biotite alteration over last 9m of unit as well as being more medium grained with pyroxenite intermixed locally. Predominant foliation @ 41 deg to c.a. Sharp lower contact@42 deg to c.a. 360.65 - 360.71m: white quartz vein @ 60 deg tca 361.66 - 362.03m: healed fault @ 18 deg tca -center is a breccia zone of semi-rounded vol within a bluish/aqua coloured hard silicous matrix -numerous parallel healed slip planes @ 18 deg tca show displacement of older quartz stringers and veinlets to 1cm dextrally -trace pyrite	MV	bio,pxn,py	023	408.00	409.40	1.40	1	-			0.010					
			MV	bio	024	420.92	421.42	0.50	tr	-			0.012					

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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)
		365.78 - 366.02m: massive semi-transparent to white quartz vein @ approx 60 deg tca -wavy contacts -trace pyrite at lower contact 376.50 - 378.23m: felsic-intermediate dike @ 62 deg tca -very fine to fine-grained and massive -grey-purple to red-burgundy coloured -weakly porphyritic with 2-5% white to cream phenocrysts -potassic alteration as halos around hairline calcareous stringers and becomes more pervasive over last 40cm where stringers are more prevalent. -sharp contacts 407.35-409.4 Several chert bands within strong biotite alteration with chert bands 408.0-408.25 and 409.0-409.36. Trace to 1% pyrite both within chert and biotite-pyroxenite alteration.																	
421.42	424.90	**IRON FORMATION (UPPER)** Very finely bedded unit of dark grey to black argillitic material intermixed with cherty bands. Bedding ranging from 1mm to 10cm. Unit overall is approximately 65% argillitic material and 35% chert. Cherty sections are buff grey to white exhibiting some zonation locally with intermixed pyrrhotite bands, stringers and occasional wisps of chalcopyrite (0.25%) along periphery of pyrrhotite bands and within chert bands. Argillic sections more finely banded and cherty sections bands ranging from 2-10cm. Argillic sections exhibits some intermixed siltstone bands (0.5 to 1cm). Unit is moderately to strongly magnetic throughout with cherty sections being stronger with the presence of pyrrhotite stringers. 1-10% pyrrhotite stringers and blebs. Graphite common in darker argillitic sections forming as slicken slides. Pyrrhotite forming as stringers and bands as well as	IF	py,po	025	421.42	422.08	0.66	1	0.5			0.053					
			I.dy		026	422.08	422.59	0.51	0.25	-			0.017					
			IF	po	027	422.59	423.30	0.71	tr	5			0.056					
			IF	po	028	423.30	424.05	0.75	tr	8			0.115					
			IF	po	029	424.05	424.90	0.85	0.25	5			0.057					

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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)
		local wispy blebs predominantly with argillic sections. Minor chalcopyrite locally along stringer boundaries of pyrrhotite. Locally 0.5-2% pyrite throughout, more prominent near upper contact. Po:py ratio of approx 12:1. Sharp upper contact @ 53 deg. To c.a. Lower contact @45 deg. To c.a. Occasional chalcopyrite bleb locally disseminated.																
424.90	444.76	**GABBRO** Rather homogenous unit of dark green melanocratic gabbro/amphibolite consisting of fine to medium-grained groundmass hosting coarser-grained amphiboles to 0.5cm in length resulting in a pyroxenitic appearance. Non-magnetic Cut by very occasional quartz/carb veinlet. Competent with few breaks. Both upper and lower contacts unit becomes finer grained gradationally to medium grained in center. Unit exhibits a moderate to strong foliation over last meter of unit with associated moderate to strong biotite over last 0.5m. Fine pyrite mineralization present locally.	gab	pxn	030	424.90	425.40	0.50	tr	-			0.025					
			gab	pxn	031	443.76	444.76	1.00	tr	-			0.018					
444.76	454.90	**IRON FORMATION (MAIN)** Unit starts off as banded argillic-chert with band to stringers of pyrrhotite ranging from 20-50cm alternating between argillic pyrrhotite rich bands to chert-quartz rich light grey bands pyrrhotite stringers/blebs with significantly less Po than argillic bands. Chert bands contain trace disseminated chalcopyrite locally. Argillic bands exhibit very fine black mudstone with 30-60% pyrrhotite and 1% disseminated pyrite intermixed with Po and occasional quartz stringers. Pyrrhotite is both as fine stringers, semi-massive sulfides and local massive sulfide bands. Chert bands appear to be more rhythmic, ranging from 10-40cm with some zonation being white along boundaries and	IF	Po	032	444.76	446.00	1.24	1.5	25			0.141					
			IF	Po	033	446.00	447.00	1.00	0.25	12			0.090					
			blank		034	447.00	447.00	0.00	-	-			0.002					
			IF	Po	035	447.00	448.00	1.00	0.25	20			0.229					
			IF	Po	036	448.00	449.00	1.00	0.25	15			0.438					
			IF	Po	037	449.00	450.00	1.00	0.5	10			0.962					
			Standard		038	450.00	450.00	0.00	-	-			4.440					
			IF	Po	039	450.00	451.00	1.00	tr	10			0.090					
			IF	Po	040	451.00	452.00	1.00	tr	6			0.716					
			IF	Po	041	452.00	453.00	1.00	tr	10			0.049					
			IF		042	453.00	454.00	1.00	tr	tr			0.012					
			IF/wacke	po	043	454.00	454.90	0.90	tr	2			0.055					

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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)
		medium grey within center and contain 3-15% Po with 0.5% pyrite and trace chalcopyrite. Chalcopyrite common found along fracture planes with associated slicken Slides. Upper contact moderately foliated with associated chlorite and local biotite. First 17cm of unit contains more pyrite (5%) Intermixed with Po than remained of unit. Exhibits moderate folding. Moderately to strongly magnetic. Banding becomes progressively finer down sections and argillic bands exhibit convoluted bedding with some folding. Core angles range from 40-57 deg to c.a. Upper contact @41 deg to c.a. Broken blocky lower contact. Last 1.9m more intermixed wacke and iron formation, less sulfide and magnetite. Local graphite along foliation planes within argillic rich sections. Standard used for sample 038 was HGS3																
454.90	458.04	**INTERMEDIATE DIKE** Medium to dark grey, fine to locally medium grained and moderately fractured and blocky. Prominent fabric @ approx 31 deg to c.a. Unit exhibits a gritty texture, possibly some intermixed wacke. Unit is non-magnetic and unmineralized. Sharp lower contact@41 deg to c.a.	I.dy		044	454.90	456.00	1.10	-	-				0.012				
			I.dy		045	456.00	457.00	1.00	-	-				0.008				
			I.dy		046	457.00	458.04	1.04	-	-				0.002				

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METERAGE FROM	METERAGE TO	DESCRIPTION
458.04	480.85	**IRON FORMATION** Unit is comprised mainly of homogenous and uniformly bedded magnetite-amphibole-garnet bands. The rocks is striped buff brown/olive green amphibole bands and dark grey black magnetite bands. Intermixed with magnetite and amphibole bands is occasional garnet-dark green amphibole bands upto 3cm and comprised of 80% garnet and 20% amphibole. Garnets are pale reddish is color and anhedral to subhedral in shape and commonly intermixed. Garnet-amphibole bands comprise 2-20% of unit, with upper portion of unit only constituting 3% and significantly increasing from 465m onward. 0.25 to 5% pyrrhotite blebs and occasional stringers. Bands typically 0.5 to 2cm ranging from 45 to 52 deg to c.a. Sharp upper contact @45 deg to c.a. Unit is very competent, starts to become blocky near lower contact. 465.15-480.85 Magnetite-Garnet-Amphibole-chert iron formation. Amphibole is becoming darker green in color, occasionally buff green and layering is not a pronounced as upper portion of unit, becoming more convoluted. Magnetite bands are black and unit contains 10% intermixed medium grey chert bands. Garnet-medium to dark green amphibole bands present upto 30cm with garnets being subhedral to euhedral in shape and upto 4cm.Dark brown-black lustrous mineral in radiating-fan tail texture, probably grunerite. Garnet rich bands make-up approximately 20% of unit. 0.5 to 5% pyrrhotite with higher percentages in more convoluted bedding over narrow widths upto 1m. Trace to 0.25% pyrite. Irregular lower contact, blocky. 464.07-464.45 Wacke 472.62-473.20 Fault Zone

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)
IF	mag-amph	047	458.04	459.00	0.96	-	tr	0.162							
IF	mag-amph	048	459.00	460.00	1.00	-	0.25	1.400							
IF	po-mag-amph	049	460.00	461.00	1.00	-	10	13.000							
IF	po-mag-amph	050	461.00	462.00	1.00	-	6	13.200							
IF	mag-amph	051	462.00	463.00	1.00	tr	1	2.440							
IF	mag-amph	052	463.00	464.00	1.00	-	tr	0.338							
IF/wacke	mag-amph	053	464.00	465.00	1.00	tr	1	0.242							
IF	mag-amph-gnt	054	465.00	466.00	1.00	tr	0.5	0.876							
IF	mag-amph-gnt	055	466.00	467.00	1.00	0.25	0.5	0.348							
IF	mag-amph-gnt	056	467.00	468.00	1.00	tr	0.25	0.739							
standard		057	468.00	468.00	0.00			1.490							
IF	mag-amph-gnt	058	468.00	469.00	1.00	tr	0.25	8.290							
IF	mag-amph-po-gnt	059	469.00	470.00	1.00	tr	6	8.490							
IF	mag-amph-po-gnt	060	470.00	471.00	1.00	0.25	4	10.800							
IF	mag-amph	061	471.00	472.00	1.00	0.5	2	3.200							
FLT	mag-amph-gnt	062	472.00	473.00	1.00	0.25	3	2.410							
IF	mag-amph-gnt	063	473.00	474.00	1.00	tr	0.25	2.750							
IF	mag-amph-gnt	064	474.00	475.00	1.00	0.25	2	2.640							
IF	mag-amph	065	475.00	476.00	1.00	-	0.25	0.199							
IF	mag-amph-gnt	066	476.00	477.00	1.00	-	1.5	0.727							
Blank		067	477.00	477.00	0.00			0.010							
IF	mag-amph-gnt	068	477.00	478.00	1.00	-	0.5	2.580							
IF	mag-amph-gnt	069	478.00	479.00	1.00	-	3	2.470							
IF	amph-gnt	070	479.00	480.00	1.00	0.25	3	2.290							
IF	amph-gnt	071	480.00	480.85	0.85	tr	5	8.340							

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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)
		Standard used for sample 057 was CDN-CM-2																
480.85	505.10	**FAULT ZONE/FOLIATED MAFIC VOLCANIC** Dark green, fine grained and strongly foliated. Unit is highly fractured and blocky locally exhibiting a fault gouge texture. Unit exhibits progressively stronger biotite alteration down section to contact with iron formation. Strong green chlorite alteration over first 3.5m of unit with associated black chlorite along fracture planes. Locally trace to 0.25% disseminated pyrite. Foliation predominantly 45 deg to c.a. in more competent portion of unit down section. Patchy texture due to biotite alteration down section. Several fault gouge, finely ground with clay alteration. Several quartz veins within fault gouge. Several feldspathic veinlets with some pinkish red alkali feldspar possibly apart of broken-up felsic dike. Sharp lower contact@39 deg to c.a. 482.5-483.45 Felsic dike, highly fractured and broken-up, probably due to faulting, pale reddish grey, fine grained, highly silicified. 483.63-484.01 Pyrrhotite stringers. 15% pyrrhotite over length of raft.	MV	chl	072	480.85	483.00	2.15	tr	2			0.750					
			MV	chl	073	483.00	483.63	0.63	tr	-			0.141					
			MV	Po	074	483.63	484.01	0.38	tr	15			0.257					
			MV	chl	075	484.01	484.93	0.92	tr	-			0.386					
			MV	bio,chl	076	504.60	505.10	0.50	0.5	-			0.025					
505.10	506.62	**IRON FORMATION** Medium grey to dark green-black, rhythmic banded chert-amphibole iron formation with bands ranging from 0.5 to 2cm. Several 2-5cm pods of massive pyrrhotite. 1-4% stringer and disseminated pyrite-pyrrhotite predominantly within chert bands. Moderately fractured with black chlorite along fracture planes. Unit is weakly to moderately magnetic.	IF	py,po	077	505.10	506.62	1.52	2	4			0.042					

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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)
506.62	508.66	**WACKE** Medium to dark grey, weak fabric @ 58 deg to c.a. Unit exhibits a gritty texture typical wacke units with fine quartz shards. Locally weakly magnetic with associated very finely disseminated pyrrhotite. Unit is relatively competent with occasional fractures with associated pyrite. Weakly mineralized with 1-2% disseminated pyrite and 0.25% Po locally. Strongly foliated lower contact with strong chlorite alteration over 15cm. Relatively sharp irregular lower contact @approx 75 deg to c.a.	wacke		078	506.62	507.43	0.81	2	0.25			0.007					
			wacke		079	507.43	508.66	1.23	0.25	-			0.006					
508.66	509.17	**IRON FORMATION** Medium grey to dark green-black, convoluted bedding with massive pyrrhotite bands upto 7cm with associated stringer pyrrhotite. Chert pods with very finely disseminated pyrrhotite. Intermixed patches of black amphibole alteration. Local pyrite along fractures. Unit is a possible raft. Sharp lower contact@ 40 deg to c.a.	IF	Po	080	508.66	509.17	0.51	0.5	25			0.054					
509.17	510.89	**WACKE** Medium to dark grey, weak fabric @ 51dg to c.a. Unit exhibits a gritty texture typical wacke units with fine quartz shards. Unit is relatively competent with occasional fractures with associated pyrite. Weakly mineralized with 1% disseminated pyrite. Strongly foliated lower contact with strong chlorite alteration over 15cm. Relatively sharp irregular lower contact @approx 75 deg to c.a.	wacke		081	509.17	510.00	0.83	0.25	-			0.006					
			wacke		082	510.00	510.89	0.89	tr	-			0.008					

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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)
510.89	513.27	**IRON FORMATION (LOWER)** Medium grey to dark green, convoluted bedding with intermixed wacke and iron formation. First 2m of unit, no regular bedding with irregular contacts and intermixed wacke. Lower portion of unit, bedding is much more regular with alternating chert-amphibole rich bands ranging from 1-3cm. Occasional pyrrhotite rich bands with local pyrite. Several narrow amphibole-garnet bands present. Overall 4% pyrrhotite and 0.25% pyrite. Pyrrhotite present mainly as narrow stringers usually near contacts with chert bands.	wacke/IF		083	510.89	512.09	1.20	0.25	4			0.018					
			wacke		084	512.09	512.63	0.54	tr	-			0.018					
			IF		085	512.63	513.27	0.64	0.25	3			0.079					
513.27	515.69	**INTERMEDIATE DIKE** Medium to dark grey, fine grained and weakly feldspar phyric with 1-2% anhedral feldspars ranging from 1-2mm. Very competent and non-magnetic. Several quartz veins at various orientations. Healed fractures locally with associated bleaching into wallrock. Local trace disseminated pyrite. Sharp lower contact@68 deg to c.a. Trace disseminated pyrite locally.	blank		086	513.27	513.27	0.00					0.010					
			l.dy		087	513.27	514.27	1.00	tr				0.150					
			l.dy		088	514.27	515.69	1.42	tr				0.008					
515.69	523.05	**IRON FORMATION** Garnet-amphibole-magnetite iron formation, with some intermixed chert. Bands range from 0.5 to 5cm. Garnet-amphibole bands intermixed with magnetite locally exhibit strong folding with some boudanage occurring. Magnetite-chert banding increasing down section with layers becoming thinner, still contains intermixed amphibole-garnet layers which tend to be thicker, ranging from 3-10cm and commonly contains interstitial pyrrhotite. Overall, unit contains 0.5 to 5% pyrrhotite, predominantly associated with more mafic layers. Some mineralization does occur within chert bands as well. Unit is highly magnetic. Several intermixed wacke layers upto 25cm. Sharp lower contact with dike@ approx 48 deg to c.a., Curved.	standard		089	515.69	515.69	0.00					1.300					
			IF		090	515.69	516.00	0.31	0.5	5			0.033					
			IF		091	516.00	517.00	1.00	tr	0.25			0.034					
			IF	qv	092	517.00	518.00	1.00	0.25	3			0.363					
			IF		093	518.00	519.00	1.00	tr	2			0.455					
			IF		094	519.00	520.00	1.00	tr	1			0.093					
			IF		095	520.00	521.00	1.00	0.25	1			0.307					
			IF		096	521.00	522.00	1.00	0.25	0.5			0.067					
			IF		097	522.00	523.05	1.05	1	0.25			0.060					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-014

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)
		517.02-517.30 Quartz vein Standard sample 089 VMS4																
523.05	526.07	**WACKE** Medium to dark grey, weak fabric @ 51dg to c.a. Unit exhibits a gritty texture typical wacke units with fine quartz shards. Unit is relatively competent with occasional fractures with associated pyrite. Relatively sharp irregular lower contact @approx 59 deg to c.a. Last 0.5m of unit moderately re-crystallized due to contact with amphibolite.	wacke		098	523.05	524.05	1.00	tr				0.008				
526.07	528.00	**FOLIATED MAFIC VOLCANIC** Dark green. fine grained and relatively competent. Unit exhibits moderate foliation near contact and locally become more massive down section. Strong biotite alteration. Foliation ranging from 42-54 deg to c.a. Unit locally becomes amphibolite in texture, becoming coarser grained with amphibole clots. End of Hole															

Printed: August-18-21

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Dona Lake	CLAIM NO.:	PAT-7479			DOWNHOLE SURVEY METHOD: Gyro	REMARKS: Rough casing with numerous boulders in drumlin the drill is setup on. Breakdowns slowed down first week of production. Hole started with one hex core barrel. Due to extensive hole deviation the hole was stopped at 138.05m and restarted as DL21-016.
HOLE NO.:	DL21-015	LENGTH (m):	138.1	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5699840.000	EASTING:	702700.000	COLLAR SURVEY BY: Reflex TN-14 Rig Aligner	
SECTION:	N/A	ZONE:	Main	ELEVATION (m):	395.500	DRILLING COMPANY: Cyr Drilling	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	262. / -77.7	SURVEYED:	262.900 / -77.700	DATE LOGGED: May. 27, 2021 TO May. 29, 2021	Core Storage: On site
HOLE STARTED:	May 20, 2021	HOLE FINISHED:	May 28, 2021	MAG:	3.69º 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	29.52	**OVERBURDEN** Single shot downhole surveys 0m Azi 262.9 Dip -77.7 45m Azi 261.5 Dip -78 95m Azi 266.06 Dip -76.26 135m Azi 269.1 Dip -74.5																
29.52	65.76	**RHYOLITE?** Blocky and well altered unit of aplite dike? Unit is very fine-grained and dark greyish/purple colour where not altered, hosting 2% white phenos; fairly silicous consisting of fine feldspar. Bleaching of the unit fairly pervasive to a beige/cream colour with windows within the alteration showing darker fresher material. Alteration has bleached the unit to a soft beige/cream colour with minor yellow sericite and soft greenish hue. Weak brecciated texture to the alteration. Overall, the unit is 75% altered and 25% fresher dark material. Well foliated from 40-55 deg tca. Non-magnetic. Well fractured/jointed with white carbonate along many open fractures. Lower contact @ 40 deg tca 38.50 - 43.30m: intermediate/mafic dike -moderately foliated with 10% biotite -dark grey -moderate to sharp contacts 65.00 - 65.50m: quartz vein @ 20 deg tca	rhy		001	64.00	65.00	1.00	tr	-			0.032					
			QV		002	65.00	65.50	0.50	0.25	tr			6.960					
			rhy		003	65.50	65.76	0.26	-	-			1.010					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-015

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)
		-lower contact sharp but very irregular and wavy -vein composed of 90% buff gritty looking grey to white quartz hosting approx 10% clotty and thin hairline stringers of grey/green amphiboles forming a spiderweb type texture -fine disseminated pyrite along with trace occasional pyrrhotite, trace chalcopyrite and silver bladed arseno? -trace to minor soft mint green sausseritization within the quartz along lower contact VG present at 65.48m as one 1.5mm flake smeared by the bit -a pinhead of gold only 2mm from larger flake above -gold lies on a very thin healed fracture																
65.76	71.35	**FOLIATED MAFIC TUFF** Amphibolized to a deep green colour with a speckled tuffacous texture within the foliation. Hornblende grains to 2.5mm in size amongst a finer-grained groundmass. Weak to minor biotite alteration forming weak bands. Unit showing increased banding gradationally downhole. Foliation @ 25 deg tca steepening slightly to approx 40 deg tca by base. Competent rock.	mv		004	65.76	66.76	1.00	-	-			0.524					
71.35	76.35	**INTERMEDIATE DIKE** Fine-grained grey to purplish coloured, gritty textured dike consisting of 40% feldspar, 40% quartz and 20% fine biotite. Bleached beige halos around hairline stringers. Moderate to strong foliation. Relatively competent. Non-magnetic.																
76.35	79.90	**GABBRO**																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-015

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)
		Deep green, fine to medium-grained fairly massive unit with a weak porphyritic texture. Unit contains an intrusive texture with 10-20% white to slightly potassic feldspars. Gritty texture. Slightly coarser hornblende grains throughout. Upper contact with dike is moderate with a sharper lower contact. Non-magnetic.																
79.90	101.27	**PILLOWED BASALTS** Unit consists of very fine to fine-grained pillows with thin dark amphibolized selvages all cut by late quartz sealed cracks. The rocks are moderate to dark green, with finer-grained sections showing lighter colouration. Locally blocky, generally associated with structures. 83.65 - 84.00m: six parallel 0.5-2.0cm quartz veinlets @ 60 deg tca 85.15 - 85.70m: healed shear @ 45-50 deg tca -light green/grey actinolite shear with moderate mylonitic texture brecciated over upper 6cm by 5% thin white quartz carb material 97.04m: 1.2cm white/pink quartz/carb veinlet @ 50 deg tca -cut by hairline slip planes showing mm-scale off-sets 100.95 - 101.01m: presence of semi-massive pyrite seams from 1-5mm in thickness; overall 15% over the 6cm interval																
101.27	108.00	**HORNBLENDE MELANOGABBRO**	shr		005	99.95	101.52	1.57	3	-			0.006					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-015

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)
		Massive, fine to medium-grained speckled gabbro with approx 45% subhedral to euhedral stubby hornblende grains amongst a finer groundmass. Intrusive texture. Local alteration to a lighter green almost fibrous actinolite. Rather homogenous. Dark grey/green blackish coloured. Fairly blocky rock with carb healed and open fractures sub-parallel tca. Below 105.50m the core is blockier and much of core has been spun/ground slightly by the drill rounding the breaks. 101.27 - 101.52m: healed shear @ 35 deg tca -very strong foliation with flooding of felsic diking between 101.37 and 101.52m -orange/pink potassic feldspar and quartz -small scale ladder veins within parallel tca -weak pyrite along upper contact of dike material -late white carbonate stringer parallel tca cuts shear 107.18 - 107.44m: bull white quartz vein -upper contact shows 4mm sinistral displacement along a hairline slip plane parallel tca																
108.00	134.73	**MAFIC VOLCANICS** Extremely blocky and fractured unit of fine-grained, deep green volcanics with a weak foliation. The rocks are rather homogenous and featureless except for a couple of finer-grained sections with a harder and glassier appearance that might represent the basal section of another flow. Late crack sealed white quartz/carb present as wisps to irregular stringers and veinlets to 3cm, ranging from trace to 10%. Tectonism evident between 114.70 and 119.00m with the presence of shears, faulting and local quartz flooding. The rocks throughout this interval are very blocky with areas of ground core to coarse gravel size material. Local areas of																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-015

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)

mylonitic textures with lighter green actinolite alteration. Weak brecciation evident with thin white carbonate matrix.

114.74 - 114.84m: quartz flooding @ 45-55 deg tca
-approx 70% grey and white quartz with a cataclastic texture
-evidence of small scale folds within
-1cm massive pyrrhotite band along lower contact

115.40 - 115.60m: 80% white quartz/felds flooding with 20% greyish blue actinolite? @ approx 30 deg tca
-weak brecciation
-barren of sulphides

116.22 - 116.35m: quartz vein @ 50 deg tca
-95% white quartz with orange k-spar along lower contact
-large 2.5 x 1.5cm pyrite clot within that has been brecciated by younger quartz

116.35 - 117.35m: moderately flooded by potassic alteration in heavily foliated and broken up section; late carbonate stringers inundating the area

132.44 - 133.48m: moderately silicified section of volcanic with a lighter green/grey buff appearance

133.48 - 133.69m: felsic dike @ 60 deg tca

134.73 138.05 **FELSIC DIKE**

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-015

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 rock has the texture and appearance of a fine-grained granite; feldspar rich with fine quartz and biotite. Pervasive cream to beige bleached colouration with small windows of darker grey/purplish material with gradational contacts. Unit cut by late carbonaceous stringers/veinlets @ 20 deg tca that show rustiness. Weak to moderate foliation locally. Weak porphyritic texture with 1mm anhedral white/cream phenos from trace to 5%.																

Printed: August-18-21

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Dona Lake	CLAIM NO.:	PAT-7479			DOWNHOLE SURVEY METHOD: Gyro	REMARKS: Hole started with one hex core barrel to 101m before switching to double hex. Casing remains and capped.
HOLE NO.:	DL21-016	LENGTH (m):	700.6	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5699839.500	EASTING:	702701.300	COLLAR SURVEY BY: Reflex TN-14 Geocompass	
SECTION:	N/A	ZONE:	Main	ELEVATION (m):	395.500	DRILLING COMPANY: Cyr Drilling	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	256. / -78.0	SURVEYED:	256.200 / -78.000	DATE LOGGED: May. 31, 2021 TO Jun. 13, 2021	Core Storage: On site
HOLE STARTED:	May 30, 2021	HOLE FINISHED:	June 12, 2021	MAG:	3.69º w	LOGGED BY: D.Heerema & M.MacIsaac	Page 1 of 23

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	28.70	**OVERBURDEN** Single shot downhole surveys 38m Azi 259.1 Dip -77.2 86m Azi 261.12 Dip -76.66 139m Azi 261.9 Dip -76.1 188m Azi 262.8 Dip -75.3 239m Azi 264.4 Dip -74.6 339m Azi 274.5 Dip -71.8 345m Azi 274.7 Dip -71.8 407m Azi 276.4 Dip -70.9 457m Azi 277.8 Dip -70.0 509m Azi 279.3 Dip --69.1 559m Azi 279.3 Dip -68.5 609.0 Azi 279.7 Dip -67.6 659m Azi 281.29 Dip -67.12																	
28.70	77.27	**FELSIC DIKE (APLITE)** Blocky and well altered unit of aplite dike? Unit is very fine-grained and dark greyish/purple colour where not altered, hosting 2-5% white phenos; very silicous and consists of fine feldspar. Unit variable from darker grey/purplish to buff grey to bleached beige/cream/yellow. Strongest alteration between 32.50 to 39.40m and 43.88 to 50.00m as bleaching the unit to a soft beige/yellow to locally pinkish hue and occasional fleck of green fuchsite resembling a rhyolite in close proximity to a mafic dike. Alteration as halos around tremendous fracturing/jointing	F.Dk	weak quartz	001	64.80	65.13	0.33	tr	-			1.730					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-016

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 late qtz/carb structures. Overall, the unit is 75% altered and 25% fresher dark material. Well foliated from 40-55 deg tca. Non-magnetic. Moderate to strong fracturing. Hairline calcareous stringers present from trace to 2%. Localized dark grey/black hairline amph stringers looking like varicose veining. Occasional late grey quartz veinlets <0.5cm cutting the dike. Sharp lower contact @ 12 deg tca. 39.40 - 43.89 Mafic dike, fine to medium grained, unaltered, foliated and blocky 54.85 - 56.20m: extremely fractured section of angular breaks 64.93 - 65.13m: strongly foliated with 5% grey quartz flooding -trace pyrite -oriented @ 37 deg tca 65.57 - 70.80m: moderately foliated volcanics with thin bands of brown biotite; 1-2% thin wispy feldspar/carb stringers parallel to foliation -evidence of very small scale slip planes at shallow angles tca that displace bands within foliation																
77.27	83.20	**GABBRO** Deep green, fine to medium-grained, melanocratic unit. Unit contains an intrusive texture with trace to 5% white to slightly potassic feldspars. Gritty texture. Slightly coarser hornblende grains throughout. Upper contact with dike is sharp with a moderate lower contact. Non-magnetic.																
83.20	99.50	**PILLOWED BASALTS**																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-016

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)

Unit consists of very fine to fine-grained pillows with thin dark amphibolized selvages all cut by late quartz sealed cracks. The rocks are moderate to dark green, with finer-grained sections showing lighter colouration. Unit cracked by tectonism; healed by 1-5% irregular wispy to stringer white quartz/carb. Small scale breccias locally.
Unit cut by occasional late semi-transparent to white quartz veinlets to 5cm true width.
Competent rock.

83.22 - 83.28m: quartz veining followed by 15cm of 40% stockwork

86.04 - 86.50m: fault @ 20 deg tca
-open fault with minor gouge and 4mm pinkish carb veinlet within
-small scale ladder veining between two parallel slip planes

99.50 107.98 **HORNBLENDE GABBRO**

Massive, fine to medium-grained speckled gabbro with approx 45% subhedral to euhedral stubby hornblende grains amongst a finer groundmass. Intrusive texture. Local alteration to a lighter green almost fibrous actinolite. Rather homogenous. Dark grey/green blackish coloured. Between 101.50 and 103.85m the core is blockier containing some remnant felsic diking around 102.20m. Biotite alteration over the last 25cm.

102.20 - 102.34m: healed shear @ 30 deg tca
-very strong foliation with 2.5cm of flooding of felsic diking centered at 102.27m
-trace disseminated pyrite

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-016

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)
		106.30m: 3cm quartz vein with irregular contacts -semi-transparent grey quartz -10cm following the veinlet has a vari-textured appearance with irregular felds/quartz and slightly coarser amphiboles -approx 0.25% irregular blebs of po to 2mm																
107.98	114.25	**MAFIC VOLCANICS** Fine-grained and massive to start and increase in foliation at 110m. Deep green and non-magnetic. Foliation at approx 50 deg tca and shows some deformation as waves at 112.40m. Increase in fracturing below 111.0m. Minor quartz veinlet 2-5mm in width parallel to foliation cut by late calcareous stringers perpendicular to foliation.																
114.25	122.00	**FAULT** Extremely fractured section with fractures/slips at shallow angles tca ranging from parallel to 45 deg. Most of the fracture/slip plane faces are waxy with crumbly and clay type gouge. RQD value of approx 25%. Rocks are deep green to locally black with chloritization. With core so badly fractured/ground measurements below are not 100% accurate. 116.70 - 117.25m: competent section of rock exhibiting a potential gentle fold nose -5% quartz flooding with associated silicification and black chloritization showing tight folds and crenulations and brecciation at the nose of a gentle fold -fine to 0.5cm irregular blebs of pyrrhotite at 1% with silicification -po strongest in nose of fold 118.70m: 13cm quartz-carbonate vein @ 37 deg tca -50:50 qtz to carb																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-016

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)

-contacts irregular, cut by late slips showing 8mm of displacement

121.90m: 3cm quartz/carb veinlet @ 5 deg tca with minor po and py
-very rubbly

122.00 136.40 **MAFIC VOLCANICS**

Fine-grained, deep green amphibolite altered rock that increase slightly in amphibole grain size below 132m approaching the adjacent dike. The rocks are pretty gritty in texture starting off massive before becoming weakly to moderate foliated around 132.50m. Biotite alteration begins at 135.40m. Rocks cut by 1-2% thin quartz veinlets 0.5-3cm in width at generally 30 deg tca that are cut and often displaced on mm-scale by late calcareous slips. Moderate blockiness

135.90 - 136.40m: extremely biotized and silicous section of hybridized volcanics adjacent to dike. Brown to mauve coloured

136.40 151.30 **FELSIC DIKE**

The dike is rather heterogeneous with variable alteration, foliation and textures. Alteration has gradational contacts with patchy windows of darker coloured dike within pervasive bleaching/albitization/potassic to a soft beige/pink colouration. Parts of the dike show great alteration halos around hairline fractures where most of the dike resembles a fine granite. Gritty, with fine white feldspar phenos. Between 140.60 and 141.65m is a very gritty conglomerate looking section resembling an unsorted groundmass containing 5% elongate quartz/feldspar clasts to 3cm in length and elongate 3:1.

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-016

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)

Stretched phenos? 7-8% late sericite/calcite yellowish white 1-10mm stringers and veinlets cut the unit at random angles tca and strongest between 138.76 and 141.65m.

137.12 - 138.76m: altered volcanics
-biotite altered and weakly to moderately silicous

151.30 167.30 **HYBRID BRECCIA**

This unit is composed of green amphibolite, brown biotite and pinkish/purple dike material with a brecciated texture. The matrix appears to be a fine white quartz-rich felsic material between elongate and rounded dike and amphibolite material. The unit is variable with areas more matrix rich and poor. The dike clast material is pink/purplish silicous aplite diking like above with sharp contacts. Along with the rounded nature of the dike material are rounded to elongate biotite-rich amphibolite was fine dark brown inclusions and dark green amphibolite bands/ribbons. The entire unit is foliated from 40-60 deg tca and the clasts are elongate parallel to foliation.
Increase in green amphibolite with less fingers and injections of felsic dike material below 159.60m.
Unit cut by late cream/white calcareous stringers from parallel to 50 deg tca that cut across all stratigraphy and show micro-scale breccias and mm-scale displacements.
Sulphides present as fine disseminations of pyrite found mainly within or adjacent to biotite-rich clasts. Trace to weak pyrrhotite.
Overall sulphides average <0.25% throughout.
Rock competency is great to 158.40m

158.80m: 5cm quartz healed shear
-10% vuggy white quartz

162.80 - 165.46m: shear zone with a weak mylonitic texture and

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-016

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)
		strong lighter green/grey actinolite alteration -mainly all volcanics with very few felsic injections -orientation of approx 40 deg tca 166.50 - 166.86m: felsic rich cut by thin 2-5mm wavy green slips (shears) @ approx 30 deg tca																
167.30	169.99	**INTERBED SEDIMENT** Sedimentary unit composed of 90% argillite with 10% chert. Argillite is very dark to black and chert material is a buff grey colour. The argillite from 168.25 to 168.93m is brecciated with rounded and elongated grey chert clasts from 2mm to 1.2cm in diameter. The clasts make up approx 75-80% of the interval. Unit oriented @ 57 deg tca. Magnetism within the unit, but appears the pyrrhotite mineralization is the magnetic component. 2-3% pyrrhotite and trace to 1% pyrite within the argillitic material as elongate wisps to blebs to stringers 2mm thick.	arg		002	167.30	168.30	1.00	0.25	1			0.012					
			arg		003	168.30	169.30	1.00	0.25	2			0.013					
			arg		004	169.30	169.99	0.69	0.25	<1			0.007					
169.99	194.30	**MAFIC VOLCANICS** Deep green, moderately to strongly foliated locally. Thin dark bands of amphiboles locally that resemble pillow selvages. Unit intruded heavily 4-7% by crack seal quartz structures from hairline to 4mm veinlets. Local small scale breccias with quartz matrix hosting angular shards of volcanics. Non-magnetic. Biotite and slight coarsening of amphiboles in close proximity to the dikes. Lower contact based upon first appearance of pillow evidence. 180.25 - 181.55m: intermediate dike -fine-grained grey and strongly foliated	qv	80% quartz, minor biotite	005	185.13	185.70	0.57	-	3			0.031					

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)
		-35% wisps hornblendes parallel to foliation @ 26 deg tca -sharp upper and lower contacts -minor disseminated cubic pyrite at 180.80m 184.20 - 185.63m: intermediate dike like above -quartz veining from 185.17 - 185.44m -extensional vein with xenoliths of amphibolite and clotty brown biotite books -minor po as occasional bleb and discontinuous fracture fill 185.52 - 185.64m: quartz veining cut by younger mineralized veining -1-3cm white quartz hosting clotty pyrrhotite almost creating a semi-massive veinlet approx 1cm thick 188.50 - 188.83m: healed shear @ 63 deg tca -silicous and flooded with pinkish/purple felsic diking and minor quartz veining -late porphyroblastic quartz showing folding -trace pyrite 190.30 - 190.53m: healed shear @ 27 deg tca -fine biotite alteration -fine quartz flooding with orange k-spar -mylonitic -3% disseminated pyrite															
194.30	270.35	**PILLOWED BASALTS (ALTERED)**																

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)

Fine-grained and fairly massive with occasional patchy foliation; highly altered and heterogeneous. Unit is deep green with very patchy and very fine-grained light green to cream coloured alteration; bleaching (white micas + carb+ tremolite and epidote?); both gradational and sharper contacts to alteration. Alteration as thin cream-green stringers amongst pervasive finer green and more silicous sections. Local breccias with alteration matrix not uncommon. Rocks appear to have been tectonically cracked and flooded by the green epidote + fine mica alteration. Some late quartz veinlets, orange potassic stringers and felsic diking.
The unit itself has the characteristics of pillowed basalts with selvages and local patches of discernable amygdules. Moderately to strongly competent except between 206.60 and 211.30m.
The entire unit has been overprinted by disseminated pyrite. Disseminations typically <1mm and range from trace to 10% averaging approximately 2%. Although still pyritized, at 244.15m the amount of pyrite decreases to average 0.5%. No overprinting in quartz veinlets; they post date the mineralization event.

202.57 - 202.68m: bull quartz @ 50 deg tca

203.10m: 3cm quartz vein @ 5 deg tca

206.70 - 207.00m: brittle fault

210.13 - 211.30m: brittle fault

211.30 - 212.33m: felsic dike
-very fine-grained darker upper section to 211.98m before becoming medium to pegmatitic and potassic rich pink/orange
-2% disseminated pyrite

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)

223.70 - 224.00m: bull quartz vein
-2 parallel epidote healed fractures within

226.30 - 228.55m: intermediate dike @ 35 deg tca
-very fine to fine-grained dark grey/purplish with 25% orange potassic alteration as halos around hairline calcareous stringers and semi-transparent quartz veinlets to 1.3cm thick
-minor epidote
-2% disseminated pyrite

233.10 - 235.70m: section exhibiting pitting and vugginess as a result of dissolved minerals

235.60 - 235.85m: fault/shear @ 40 deg tca
-gravel sized material over upper 10cm
-lower 25cm is a quartz healed shear with boudined quartz veinlets
-moderate mylonitic texture

262.42 - 262.54m: quartz vein @ approx 65 deg tca
-white containing 5% green/grey amphiboles

267.83 - 268.75m: intermediate dike
-more diffuse contacts
-grey-purplish coloured with 15% orange potassic alteration as halos around thin quartz veinlets

269.00 - 269.33m: quartz/carb healed shear @ 62 deg tca
-80% white quartz-carb containing angular elongate shards
-small scale stockwork

270.35 322.00 **MAFIC VOLCANICS**

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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)

Deep to moderate green coloured, amphibolized fine to medium-grained flows. Finer-grained material generally featureless with medium-grained, foliated patch from 281.60 to 284.80 with minor biotite. The coarser material foliated @ 55-60 deg tca with 15% coarser black hornblende and approx 10% biotite forming weak bands. A majority of the unit has lighter green/grey actinolite alteration with a more buff/diffuse look, cut by occasional quartz veinlet to 1cm (some containing orange k-spar) and trace - 2% anastomosing white carbonaceous stringers.
Very competent rock, non-magnetic and unmineralized.

277.72 - 278.35m: intermediate dike
-sharp upper contact @ 51 deg tca
-very fine-grained
-grey/purplish groundmass with 3-4% fine creamy phenos
-moderately pervasive orange potassic feldspar over last half
-unit cut by 30% quartz veinlets; older buff grey veins @ approx 15-20 deg tca and a younger 4cm true width white quartz-carb vein at 277.90m.

From approx 303.75 to 311.00m is a rather homogenous section of fairly massive medium-grained flow that resembles a melanogabbro to pyroxenite. Stubby anhedral to subhedral hornblende. Contacts gradational.

303.96 - 304.16m: quartz veining @ 85 deg tca
-90% coarse white quartz containing clots and irregular xenoliths of actinolite altered volcanics with trace k-spar and carb along contacts

309.70 - 309.90m: shearing @ 50 deg tca
-fine mylonitic texture
-flooded by fine silicification over last 3cm

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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)

-two white quartz veinlets within showing small scale pinch and swell
-<0.5% finely disseminated pyrite

311.17 - 311.83m: mafic dike @ 50 deg tca
-aphanitic to very fine-grained
-army green to grey colouration
-great aphanitic chill margins
-cut by 1% hairline to 1mm quartz-carb stringers

From approx 311.00m to 322.00m the rocks become very fine to fine-grained and deep green in colour with local areas of slight pervasive epidotization to a soft green-yellowish colour. Might be pillows but no definitive evidence. Alteration gradational. Pyrite overprinting varying from trace to 10% with strongest mineralization between 313.90 and 317.15m averaging 3-4%. Pyrite mainly as disseminated from 0.5-2mm, but fine stringers not uncommon in the heaviest interval noted.

321.05 - 321.17m: white quartz vein
-trace k-spar and pyrite along upper contact

322.00 329.80 **PILLOWED BASALTS**

Fine-grained moderate to dark green, amphibole altered pillows with thin dark selvages and very slight increase in grain size within the centers of the pillows. Gradational lighter green alteration along with weak epidotization. Local patches of amygdules between 327.90 and 328.88m. Competent rock, hosting trace - 2% thin carbonaceous stringers.
Weak pyritization from 325.90 to 329.00m.

329.80 349.23 **DIABASE**

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)
		Massive, fine to medium-grained pervasively magnetic dike. Dark grey in colour with a slight coarsening of grain size in the center. Classic intrusive texture. Contacts show great chill margins of 1-3cm light grey obsidian followed by aphanitic light grey diking the gradationally coarsens away from the contacts for approx 1.5m. Occasional quartz/carb slips with very occasional orange k-spar. Well jointed with joints @ 60, 50 and 25 deg tca. Upper contact @ 21 deg tca, cutting an older quartz veinlet showing the dike is much younger. Lower contact sharp @ 47 deg tca. Blocky section from 322.00 to 323.00m that could be driller induced																
349.23	375.92	**PILLOWED BASALTS (ALTERED)** Similar to the unit altered unit above; fine-grained pillows with moderate to strong alteration and tectonism. Unit consists of dark green amphibolized volcanics, altered by 20% locally brecciated to more pervasive patches of lighter green/yellow epidotism with fine silicification and cream coloured felsic stringers. Rocks show irregular foliation amongst massive sections. Unit shows crack sealed texture filled with the epidote/felsic material versus typical quartz-carb. 2% late fine-grained grey to white quartz veinlets to 4cm thick as well as cream coloured felsic stringers to veinlets. These features cut the epidotization to be cut again by numerous late calcareous slips at generally shallow angles tca (~10-20 deg) showing mm-scale displacements. Disseminated pyrite overprinting like above averaging 2% to 360m before becoming sparse. 372.23m: 4cm orange-red potassic veinlet that has been cross-cut and truncated by late felds-carb stringer/slip sub-parallel tca																

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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)

that shows smaller rafts of the veinlet dragged along the structure.

375.92 378.35 **INTERMEDIATE DIKE**

Deep orange-red pervasively potassic altered dike with irregular upper but sharp lower contact @ 35 deg tca. Composition of dike is approx 65% feldspar and 35% fine dark amphiboles. Well fractured. Few thin quartz stringers. Moderately foliated over upper 35m but rest in massive.

377.16 - 377.30m: quartz vein @ 85 deg tca
-semi-transparent to white with 3 thin amphibole stringers within
-trace pyrite

378.35 431.47 **MAFIC VOLCANICS**

very fine to fine-grained, dark green amphibole altered, starting off with 1-2% thin quartz veinlets and late stringers. Occasional quartz veinlet with mm-scale xenolith within forming very small scale breccias. Local clotty epidote and orange-k-spar associated with thin quartz stringers/veinlets filling dilation zones. Massive to weakly foliated and non-magnetic. Where foliation increases, grain size of the amphiboles increases slightly. Biotite alteration over last 6cm adjacent to the dike. Occasional spot that resembles a pillow selvage but not enough to definitively call the portions of the unit pillows.

Increased to 10% quartz veinlets to 5cm between 422.75 and 426.00m.

Less late quartz and carb veinlets and stringers between 426.00 and 431.47m.

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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)

419.31 - 420.28m: intermediate dike/altered volcanics
-intermediate diking along with potassic altered and silicous volcanics
-buff grey/green/orange coloured
-approx 35% intermediate veining with pervasive alteration
-sharp contacts @ 60 deg tca

431.47 436.84 **INTERMEDIATE DIKE**

Dark, silicous unit composed of approx 70% plag + quartz and 30% fine hornblende. Dark grey/purplish coloured with areas of bleaching/silicification resulting in a lighter grey colouration of groundmass showing a porphyritic texture. Very faint potassic alteration of some phenos. 2-3% hairline carbonaceous features with narrow bleached halos. Very few late quartz veinlets. Massive, competent and non-magnetic.
Sharp upper and lower contacts @ 58 and 60 deg tca respectively

436.84 441.59 **MAFIC VOLCANICS**

Fine grained, dark green and relatively massive and competent. Becomes strongly foliated at contact with intermediate dikes with associated biotite alteration and associated quartz veinlets parallel to c.a over 20-40cm. Unmineralized and non-magnetic. Foliation @ upper contact 51 deg to c.a.

438.2-439.04 Jigsaw Breccia, matrix supported. Siliceous matrix, jagged fragments upto 3cm. Irregular contacts.

439.75-440.33 Intermediate dike @ 39 deg to c.a.

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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)
441.59	444.86	**INTERMEDIATE DIKE** Dark, silicous unit composed of approx 70% plag + quartz and 30% fine hornblende. Dark grey/purplish coloured with areas of bleaching/silicification resulting in a lighter grey colouration of groundmass showing a porphyritic texture. Very faint potassic alteration of some phenos along with some zonation. Phenos range from 1-4mm, subhedral to euhedral. Some bleaching into wallrock along healed fractures. 2-3% hairline carbonaceous features with narrow bleached halos. Very few late quartz veinlets. Massive, competent and non-magnetic. Sharp upper and lower contacts @ 41 and 54 deg tca respectively																	
444.86	560.15	**MAFIC VOLCANIC** Fine-grained, dark green amphibole altered and relatively competent with occasional fractures parallel to foliation. 1-2% thin quartz veinlets and late stringers infilling dilation fractures. Massive to weakly foliated @45-50 deg to c.a. and non-magnetic. Where foliation increases, grain size of the amphiboles increases slightly. Local narrow silicified zones, 1-5cm with associated 2-4% disseminated pyrite, same orientation as foliation, possible narrow chert. Local areas of increased silicification, becoming lighter grey over 10-30cm. Increase in quartz veining down section with associated epidote locally. Sharp lower contact@ 47 deg to c.a. Moderately foliated over last meter of unit with associated strong biotite alteration. 474.92-475.14 Chert/Quartz vein, 3% disseminated pyrite, smokey grey. 479.84-480.26 Silicified zone, 5% pyrite	Chert	py	006	474.92	475.14	0.22	3								0.007

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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)
		490.3-490.55 White quartz vein, unmineralized 491.63-491.90 White quartz vein 479-492 Core angles quite variable ranging from 0 to 55 deg to c.a., some folding present.																
560.15	566.60	**FELSIC DIKE** Aphanitic to very fine grained, pinkish grey and moderately fractured. Unit is very siliceous and very hard, unmineralized and very little in the way of quartz veinlets. Occasional relict feldspar phenocrysts, becoming more prominent over last 0.5m. Irregular lower contact.																
566.60	584.50	**MAFIC VOLCANIC** Rocks consist of amphibole alteration from fine-grained massive to moderately foliated and slightly coarser-grained to more schistose patches with biotite alteration bands. Strongest biotite over last 1.4m of the unit adjacent to a iron formation. Well fractured unit cut by 1-3% quartz/carb stringers and veinlets to 5cm; generally oriented @ 50-55 deg tca. Occasional k-spar within narrower quartz/carb stringers. Local clear to white quartz veins ranging from 1-10cm with local trace to 1% disseminated pyrite. Local broken/blocky core with associated K-spar-quartz veinlets. 571.2-572 Quartz stockwork/flooded zone, brecciated, trace disseminated pyrite 575.0-576.0 Broken-blocky core 580.19-580.35 Chert, 4% pyrrhotite, 1% pyrite	chert	po	007	580.19	580.35	0.16	1	4			0.029					
			qv		008	583.00	583.37	0.37	tr				1.330					

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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)
		583-584 Silicified zone with associated quartz veining, trace disseminated pyrite. 586.62-587.09 Felsic dike																
584.50	586.62	**WACKE** Brownish grey, gritty texture and locally fractured. Poorly sorted banding upto 4cm. Local black amphibole clots, stretched upto 2-5cm. Local weak biotite alteration. 1-4% quartz veinlets at various orientations along healed fractures. Pyrite and black chlorite along fractures. 584.31-584.48 Chert, 8% pyrite, greenish grey, contact @47 deg to c.a.	chert	sil,py	009	584.31	584.48	0.17	8				0.021					
586.62	587.07	**FELSIC DIKE** Pinkish grey, aphanitic and highly siliceous. Trace disseminated pyrite. Non magnetic and local black chlorite along occasional fractures.																
587.07	588.55	**WACKE** Same as wacke above. Shallow lower contact@ 16 deg to c.a.																
588.55	609.87	**AMPHIBOLITE/GABBRO**	Gab		010	609.37	609.87	0.50					0.010					

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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)
		Amphibolitic texture at the top of unit into more of a hornblende phyric pyroxenite down section. Dark green, fine to medium grained and locally fractured. Trace disseminated pyrite locally within more pyroxentic sections. 1-4% quartz veinlets at various orientations (0.5 to 1cm). Unit not as competent as other holes. Unit becomes finer grained and slightly more feldspar right towards lower contact. Sharp lower contact@ 39 deg to c.a. 598.8-599.90 Broken blocky core																
609.87	618.01	**WACKE** Brownish grey, gritty texture and locally fractured. Poorly sorted banding. Local feldspar phyric sections. Local sections of moderate to strong biotite alteration with associated quartz stockwork. Weak sericite with biotite alteration. 1-4% quartz veinlets at various orientations along healed fractures. Local fractures with associated sericite @40 deg to c.a. Non-magnetic. Unmineralized except for one intermixed Iron Formation with semi-massive pyrrhotite. Lower contact @46 deg to c.a. 612.84-613.24 Iron Formation, semi-massive pyrrhotite with intermixed chert bands. 55% Po, 1% py and trace cpy. Contact@52 deg to c.a.	wacke		011	609.87	610.87	1.00									0.008
			wacke		012	610.87	611.90	1.03									0.059
			wacke		013	611.90	612.84	0.94									0.154
			IF	Po	014	612.84	613.24	0.40	55	1							0.516
			wacke		015	613.24	614.00	0.76									0.083
			wacke		016	614.00	615.00	1.00		tr							0.385
			wacke		017	615.00	616.00	1.00									0.315
			wacke		018	616.00	617.00	1.00		0.25							0.248
			blank		019	617.00	617.00	0.00									0.002
			wacke		020	617.00	618.01	1.01		tr							0.686

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METERAGE FROM	METERAGE TO	DESCRIPTION
618.01	637.81	**IRON FORMATION** Unit consists of finely banded white to grey chert with intermixed green to black amphiboles, grunerite, pyrrhotite and occasional garnets rich bands. Banding ranges from 0.5 to 5cm with magnetite rich sections, bands are significant narrower (0.5 to 1cm) and more chert rich sections ranging from 2-5cm and typically more pyrrhotite rich bands intermixed. Sulphides consist of stringer to semi-massive pyrrhotite bands most commonly found within chert rich sections with some stringers present as well within finer magnetite-amphibole banding as well, 1-25% pyrrhotite with trace to 1% pyrite and local chalcopyrite as well. Upper portion of unit has some intermixed wacke bands with darker grey chert, not as much pyrrhotite as rest of unit. 618.01 - 620.15m consists of intermixed chert and wacke with bands ranging from 2-4cm and 1-2% po and 0.5% pyrite mainly as blebs or narrow stringers. 620.15 - 626.56m consists of chert-amphibole rich bands with bands quite chaotic and not well defined. Some chert bands upto 20cm. Mineralization ranges from 0.5 to 3% pyrrhotite predominantly as occasional stringer and blebs, local pyrite mainly disseminated. Occasional amphibole-garnet-grunerite band upto 5cm with associated Po mineralization. 625.56 - 628.58 consists of finely banded magnetite-amphibole ranging from 0.5 to 1cm. Some contorting bands probably due to local folding. Banding exhibiting offsetting dross cutting fracture set locally. Occasional amphibole-garnet band upto 5cm with associated pyrrhotite. 0.5 to 15% pyrrhotite mainly as stringers, minor pyrite. Sharp lower contact@ 50 deg to c.a. with mafic dike. Garnet-amphibole bands exhibit strong folding.

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)
IF		021	618.01	619.00	0.99	3	tr	1.770							
IF		022	619.00	620.00	1.00	0.25		0.454							
IF	po	023	620.00	621.00	1.00	0.25	4	2.280							
IF		024	621.00	622.00	1.00	0.25	2	0.244							
IF		025	622.00	623.00	1.00	tr	1	0.086							
IF	gnt,po	026	623.00	624.00	1.00	tr	0.5	0.524							
wacke		027	624.00	625.00	1.00			0.066							
wacke		028	625.00	625.58	0.58			0.051							
standard		029	625.58	625.58	0.00			3.170							
IF	mag,po	030	625.58	626.56	0.98	tr	1	1.410							
IF	mag,gnt,amph	031	626.56	627.56	1.00	tr	3	9.770							
IF	mag,gnt,po,amph	032	627.56	628.58	1.02	0.25	8	3.770							
M.dy		033	628.58	629.20	0.62			0.055							
IF	po	034	629.20	630.02	0.82		1	0.305							
IF	ampjh,po	035	630.02	631.36	1.34	tr	12	3.850							
F.dy		036	631.36	632.00	0.64			0.102							
F.dy		037	632.00	633.10	1.10			0.015							
F.dy		038	633.10	634.22	1.12			0.014							
IF	amph,po	039	634.22	635.00	0.78	tr	7	5.040							
blank		040	635.00	635.00	0.00			0.002							
IF	po	041	635.00	636.00	1.00	0.5	8	1.470							
IF	po	042	636.00	637.00	1.00	0.25	10	1.390							
IF	po	043	637.00	637.81	0.81	tr	3	0.084							

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-016

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)
		628.58 - 629.20m mafic dike, dark grey, siliceous, feldspar phyric. 629.20 - 631.36 Chert-amphibole/pyrrhotite rich iron formation, dark grey-green. Banding is quite chaotic with sulfides appearing as an interstitial texture filling voids between chert bands, mainly pyrrhotite. Mineralization consists of 1-12% pyrrhotite and local pyrite along fractures with associated chlorite. Sharp lower contact @42 deg to c.a. 631.36 - 634.22m feldspar phyric felsic dike, light grey, 5-7% subhedral feldspar pheno's (2-3mm). Relatively competent and massive. Irregular lower contact. 634.22 - 637.81m: Pyrrhotite rich iron formation with interbedded chert bands with sulfides, 7-10% pyrrhotite, 0.25% pyrite. Banding ranges from 51 to 56 deg to c.a. Several wacke bands (5-7cm) towards lower contact. Used standard HGS1 for sample 029																
637.81	653.64	**MAFIC VOLCANICS** Dark green. fine grained and relatively competent. Unit exhibits amphibolitic texture locally becoming coarser grained. First 5m of unit, amphibole clots present, decreasing downsection. Strong biotite alteration starting at 549m downsection due to multiple intermediate to felsic dikes. Foliation ranging from 47 deg to c.a. Local trace disseminated pyrite. Irregular lower contact.	mv		044	637.81	638.81	1.00	-	-			0.042					
653.64	657.00	**INTERMEDIATE DIKE**																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-016

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)
		Medium to dark grey, highly siliceous and weakly to moderately fractured at various orientations. Unit is feldspar phyric with 2-3% feldspar phenos (1-2mm). Local quartz flooding, unmineralized. Local pyrite along fractures.																
657.00	658.40	**FOLIATED MAFIC VOLCANIC** Dark green, moderately foliated and relatively competent. Moderate to strong biotite alteration. Foliation@44 deg to c.a.																
658.40	660.23	**INTERMEDIATE DIKE** Medium grey, relatively massive and occasional quartz vein. Unit is competent with only occasional fracture, unmineralized and non-magnetic. Sharp lower contact@ 59 deg to c.a.																
660.23	681.60	**FOLIATED MAFIC VOLCANIC** Fine grained, dark green and moderately to strong fractured. Fracturing like due to intermediate and felsic dikes. Foliation slowly decreases down section with biotite alteration also decreasing. Irregular, shallow angel contact with felsic dike at lower contact @ roughly 15 deg to c.a. 672-674.15 Strong biotite alteration 679-681.60 Broken blocky core																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: D.Heerema & M.MacIsaac SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL21-016

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)
681.60	689.10	**FELSIC DIKE** Pinkish grey, fine to medium grained and locally feldspar phyric with feldspars 1-2mm. Unit has a strong patchy texture ranging from medium grey to pinkish white. No feldspar phenocrysts within more pinkish sections, possibly recrystallized. Unit is moderately to strongly fractured. Trace disseminated pyrite throughout and along fractures. 4-5% white quartz veins within pinkish areas. More pinkish areas appear to be more alkali enriched. Sharp lower contact@ 56 deg to c.a.																
689.10	700.60	**FOLIATED MAFIC VOLCANIC** Fine grained, dark green and moderately to strongly fractured. Fracturing likely due to felsic dikes. Foliation moderate and unit is moderately biotite altered. Several narrow micro-shears@ approx 47-50 deg. To c.a. Unmineralized and non-magnetic. 690.34-690.55 Felsic dike 692.45-693.32 Felsic dike 699.2-699.80 Felsic dike End of Hole																

Printed: August-18-21

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

PROPERTY:	Dona Lake	CLAIM NO.:	LEA-108365			DOWNHOLE SURVEY METHOD: Gyro	REMARKS: Hole started to 101m with double hex core barrel before switching to single standard barrel and short reaming shell to 534m. Then went to 6m gear again for efficiency.
HOLE NO.:	DL20-017	LENGTH (m):	637.0	CORE SIZE:	NQ	DOWNHOLE SURVEY BY: Drillers	
COORD SYSTEM:	UTM Nad 83	NORTHING:	5699809.000	EASTING:	702653.000	COLLAR SURVEY BY: Reflex TN-14 Rig Aligner	
SECTION:	N/A	ZONE:	Main	ELEVATION (m):	396.000	DRILLING COMPANY: Cyr Drilling	
COLLAR ORIENTATION (AZIMUTH/DIP)		PLANNED:	260. / -60.0	SURVEYED:	353.100 / -61.300	DATE LOGGED: Jun. 14, 2021 TO Jun. 22, 2021	Core Storage: On site
HOLE STARTED:	June 13, 2021	HOLE FINISHED:	June 22, 2021	MAG:	3.69º w	LOGGED BY: M.MacIsaac & D.Heerema	Page 1 of 22

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	27.00	**OVERBURDEN** 0.00m Azi. 258.7 Dip -74.2 39.0m Azi 258.9 Dip -74.69 80.0m Azi 260.3 Dip -74.2 130m Azi 259.9 Dip -73.7 195m Azi 261.8 Dip -73.4 225m Azi 262.9 Dip -73.1 255m Azi 265.1 Dip -73.0 285m Azi 265.5 Dip -72.8 325m Azi 266.8 Dip -72.4 345m Azi 267.5 Dip -72.3 375m Azi 269.0 Dip -71.7 405m Azi 270.8 Dip -71.5 435m Azi 271.1 Dip -71.1 465m Azi 272.2 Dip -70.8 495m Azi 274.0 Dip -70.5 525m Azi 276.7 Dip -70.2 575m Azi 276.5 Dip -69.2																
27.00	57.27	**MAFIC VOLCANICS** Dark green, fine-grained and moderately fractured near surface decreasing down section. Weak to moderate foliation @ 40-50 deg tca. Unit cut by 8-10% narrow 1mm to 2cm white extensional quartz-carbonate stingers and veinlets most often parallel to foliation. Portion of unit is cut by younger hairline calcareous stringers (34.3-41.6m) generally perpendicular to the extensional veins. Unit locally exhibits tuffaceous texture															

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-017

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)
		locally with banding ranging from 2-3cm. Unit becoming more massive down section over last 9m also becoming slightly more amphibole rich with hornblende clots. Sharp lower contact@ 40 deg to c.a. Last 1.1m of unit, becomes moderately silicified and strong biotite alteration. 46.30-47.80 Broken blocky core.																
57.27	83.91	**FELSPAR PHYRIC INTERMEDIATE DIKE** Medium to dark grey, medium to coarse grained, feldspar phyric with feldspar 1-3mm,subhedral. Unit becomes coarser grained towards center of unit and finer grained towards contacts. Strongly brecciated at lower contact exhibiting jig-saw breccia texture with dark green matrix (20-25%). Sharp lower contact @55 deg. To c.a. Weakly to locally moderately fractures at various orientations. Non-magnetic and moderately hard. Locally quartz veining ranging from 0.2 to 2.0m. Quartz is bull white and minor disseminated pyrite. Last 0.65m of unit becomes intensely silicified. Becomes purplish-grey and fine grained to aphanitic, patchy texture. Lower contact @55 deg to c.a. 61.49-62.01 White quartz vein, 15cm l.dy raft, trace diss pyrite 66.63-68.61 White quartz vein, trace disseminated pyrite, moderately fractured, bull white.	QV		001	61.49	62.01	0.52	tr					0.002				
			QV		002	66.63	67.63	1.00	tr					0.002				
			QV		003	67.63	68.61	0.98	tr					0.002				

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-017

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)
83.91	145.74	**MAFIC VOLCANICS** Dark green, fine-grained and locally fractured. Unit is very competent. Weak to moderate foliation @ 40-50 deg tca. Unit cut by 8-10% narrow 1mm to 2cm white extensional quartz-carbonate stingers and veinlets most often parallel to foliation. Unit exhibits strong biotite alteration locally exhibiting a strong banded with amphibole rich bands alternating with biotite bands with associated quartz veining 1-2cm. Trace to 1% pyrite and several stringers of pyrrhotite. Broken blocky core over last 0.5m at contact with diabase. 96.5 -98.2 Pyroxenite, medium grained, diffuse contacts. 98.77-100.15m Moderate to strong biotite alteration, 10-15% quartz veining parallel to foliation, trace to 1% pyrite, 2% pyrrhotite stringers locally. 102.96-104.2m Moderate biotite alteration 112.70-114.0 Moderate to strong biotite alteration, locally upto 30% quartz veining, locally sub-parallel to c.a. 1% disseminated pyrite. 123.2-124.0 Moderate biotite alteration.	MV	bio,qv,py	004	98.77	99.10	0.33	1	2			0.199					
			MV	bio,qv	005	99.10	100.15	1.05	tr	-			0.326					
145.74	168.31	**DIABASE** Massive, fine to medium-grained pervasively magnetic. Dark grey in colour with a slight coarsening of grain size in the center. Typical intrusive texture. Aphanitic at contacts gradationally coarsening towards center becoming finer medium grained. Occasional joints @ 24 & 65 deg. To c.a. Sharp upper contact @ 17 deg. To c.a. and lower contact@ 30 deg to c.a. Unit is very competent with just a few joints and fractures.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-017

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)
168.31	204.30	**MAFIC VOLCANICS** Dark green, fine-grained and locally occasional fractures @ predominantly 30%63 deg to c.a. Unit is moderately competent. Unit is relatively massive and relatively unfoliated, unlike mafic volcanic above. Unit cut by 8-10% narrow 1mm to 2cm white extensional quartz-carbonate stingers ranging from 20-60 deg to c.a. Local quartz veins upto 20cm @ various orientations and unmineralized. Quartz veins commonly contain rafts of country rock. First 12m of unit contains narrow pyroxenitic bands. Unit becomes foliated starting at 196m @40 deg to c.a. Diffuse lower contact. 170.4-170.65 In-situ breccia, siliceous dark grey matrix.																
204.30	209.39	**MAFIC FRAGMENTAL** Medium to dark grey-green, fine grained and very competent. Unit consists of lapilli to sized fragments consisting of intermediate to mafic fragments within a mafic matrix. Clasts are structurally stretched 8:1 upto 8cm. Locally moderately biotite altered parallel to foliation. Unmineralized. Locally feldspar phyric. Diffuse lower contact. Fabric @ 47 deg to c.a.																
209.39	243.25	**MAFIC VOLCANIC** Dark green, fine-grained and local fractures. Unit is moderately competent. Unit cut by 8-10% narrow 1mm to 2cm white extensional quartz-carbonate stingers decreasing down section and ranging from 55 deg to c.a. Occasional aphanitic to fine grained dikes parallel to foliation. Unit becomes more gabbroic between 222.0 and 239.0m and more pyroxenitic from 239.0 to 243.25m. The rocks coarsen to medium-grained with local foliation and weak biotite alteration.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-017

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)
		Nil to trace quartz-carb stringers with only 3 quartz veinlets >5cm in width. 222.95 - 223.04m: aphanitic grey chilled dike 223.62 - 223.68m: aphanitic pink-grey chilled dike 225.00 - 225.33m: chilled to fine-grained felsic-intermediate dike @ 45 deg tca 228.74 - 228.94m: 60% white to semi-transparent quartz with clotty carbonate and weak potassic feldspar at lower contact -contacts fairly irregular -resembles more a late sweat than a cross-cutting extensional feature																
243.25	251.90	**PILLOWED BASALTS** Very fine-grained, green and generally featureless volcanics with thin dark bands that very likely represent pillow selvages. Rocks show some deformation with 1-2% extensional cracks filled by white quartz-carb from wisps to stringers to veinlets to irregularly shaped discontinuous pockets. Small scale coulomb type quartz growth. Moderately fractured. 245.53 - 246.60m: lamprophyre dike -dark brown/black -fine-grained with 35-40% coarser brown/black biotite -upper contact shows a slight chill margin over 3cm, lower contact in rubble 246.60 - 247.37m: brittle fracturing with sections of angular gravel sized rubble (driller induced?)																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-017

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)
251.90	261.75	**MAFIC VOLCANICS** Massive, very fine to fine-grained and featureless volcanics flow(s). Moderate to deep green in colour with fine light green actinolite alteration as faint halos around hairline fractures. Weak biotite alteration over 17cm adjacent to upper contact of porphyritic dike. 252.93 - 253.93m: porphyritic dike -grey-purplish dark fine-grained silicous groundmass hosting 25-30% white 1-4mm subhedral phenocrysts -sharp contacts @ 50 deg tca																
261.75	296.00	**PILLOWED BASALTS** Very fine to fine-grained green volcanics with narrow dark green to black amphibolized pillow selvages. Areas of the unit show stronger evidence of selvages than others. Pillows range from 10cm to 1m in size. Occasional narrow section of ghostly amygdules in the center of pillows (best evidence from 273.25 to 275.10m). Unit very competent. Massive to moderately foliated, with the foliation increasing slightly downhole. 2-7% late white quartz-carb blebs to stringers to veinlets forming small scale breccias generally in the orientation of the foliation @ 40-45 deg tca. Slightly stronger presence of quartz material below 278m. Biotite alteration over last 35cm of unit adjacent to dike.																
296.00	302.07	**INTERMEDIATE DIKE**																

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)
		Fine-grained, purplish-grey coloured silicous dike with local areas of pervasive bleaching resulting in a ghostly diffuse lighter patches. Thin <1cm alteration halos surrounding hairline joints common. Thin 5-10cm late coarse-grained sweats forming three patches of white-purplish felsic groundmass hosting 30% 4-5mm anhedral hornblende grains. Contacts are gradational. Entire unit heavily pyritized by 5-6% anhedral disseminations from <1mm to 6mm elongate blebs. Sulphides show a slight elongation parallel to foliation @ 50 deg tca. Sharp upper and lower contacts @ 85 and 47 deg tca respectively																
302.07	343.73	**PILLOWED BASALTS** Very fine to fine-grained green volcanics with narrow dark green to black amphibolized pillow selvages. Areas of the unit show stronger evidence of selvages than others. Pillows range from 10cm to 1m in size. Occasional narrow section of ghostly amygdules in the center of pillows. Unit very competent. Massive to only locally foliated. 1-4% late white quartz-carb blebs to stringers to veinlets. Quartz structures filling cracks and dilation zones from deformation forming small scale breccias locally. Occasional coarsening of amphiboles associated with quartz healed shear. 324.50 - 324.63m: quartz healed shear @ 50 deg tca -slight silicification of adjacent 5cm volcanics at lower contact -70% semi-transparent to white quartz with trace carb and 1% orange potassic feldspar -trace pyrite 333.57 - 333.96m: massive quartz vein -upper and lower contacts @ 87 and 50 deg tca respectively -finer grey quartz within coarser white bull quartz	QV		006	333.57	333.96	0.39	-	-			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)

-one 2mm seam of green amphiboles within
-no sulphides and no alteration of wallrock

343.73 349.65 **INTERMEDIATE DIKE**

Very fine to fine-grained dark grey-purple coloured and cut by 25% thin alteration halos around hairline joints and fractures. Halos are light green to pinkish to cream coloured that gradationally disappear away from the joint/fracture or calcareous stringer. Massive to weakly foliated locally.
Trace to 0.25% disseminated pyrite.
Upper and lower contacts @ 47 and 55 deg tca respectively.

349.65 357.71 **MAFIC VOLCANICS**

Very fine to fine-grained with local flow textures. Weakly to moderately foliated and increasing in grain size and alteration below 353.80m. Strong biotite alteration starting 356.20m as patches to bands to massive from 357.0 to 357.30m.

354.65 - 355.16m: extremely foliated (shear?) with 35% white quartz-carb stringers to bands @ 40-45 deg tca
-zebra type striping

356.45 - 356.60m: bull white quartz flooding
-irregular lower contact

357.13m: 5cm veinlet of silicification and very coarse biotite booklets to >1cm in length

357.33m: fold nose seen in silicified veinlet

357.41- 357.71m: bull white quartz vein

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)
		-massive vein, barren of sulphides																
357.71	362.28	**INTERMEDIATE DIKE** Very fine, dark grey-purple, silicous dike with 40-50% bleaching/potassic alteration as thin halos and more pervasive sections. Alteration as pink potassic to cream/greenish white mica/actinolite. Numerous hairline features with <1cm halos. Approx 0.25% finely disseminated pyrite. Sharp lower contact @ 42 deg tca.																
362.28	368.06	**MAFIC VOLCANICS** Very fine to fine-grained amphibolized volcanics like above. Trace to 3% crack sealed quartz. Amygdules present at 367.13m. Biotite alteration over approx 1m adjacent to dikes. Coarsening of mafics and plag to gabbroic texture from 367.56 to 367.90m.																
368.06	370.14	**INTERMEDIATE DIKE** Very fine, dark grey-purple, silicous dike with 40-50% bleaching/potassic alteration as thin halos and more pervasive sections. Alteration as pink potassic to cream/greenish white mica/actinolite. Numerous hairline features with <1cm halos. Open fracture sub-parallel tca from 368.20 to 368.70m resulting in a blocky section.																
370.14	403.80	**MAFIC VOLCANICS**																

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)
		Massive flows, fine-grained and rather homogenous. Deep green in colour with local areas slightly greyer and more silicous. Minor bleaching/actinolite alteration associated with fracture. Rocks are very competent with few breaks and little to no late quartz material except for between 379.75 to 383.05m and 390.20 to 400.43m. 3-4% irregular white quartz in that interval. Non-magnetic. Slight coarsening of grain size along with weak biotite alteration below 403.30m 390.60m: fold nose in foliation with folded quartz veinlets Slightly blocky between 400.55 and 401.80m																
403.80	404.25	**CHERT** Buff grey to white chert with weak magnetism. Biotite + amphibole + weak magnetite banding between 404.08 and 404.20. Trace pyrrhotite and pyrite in amphibole material. Chert is barren.																
404.25	417.30	**MAFIC VOLCANICS** Start of unit to 405.50m is coarser grained, showing a moderate to strong foliation with 10% brown biotite as clots of weak bands and 5-6% irregular and locally boudened quartz stringer to thin veinlets. Very weak magnetism. Gradational change to a fine-grained, competent flow with a weak foliation ranging from sub-parallel tca at 408.40m to 60 deg tca by 414.00m. Dark green, amphibole altered with local patch of biotite + silicification from 412.84 to 413.03m. Unit cut by relatively little late quartz. Lower contact based upon presence of first selvage.																

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)
417.30	422.44	**PILLOW BASALTS** Very fine to fine-grained, amphibolized pillows with thin black to brown finely biotized selvages and narrow 3-6cm sections of ghostly cream coloured amygdules in the pillow centers. Well preserved pillows. Pillows range from 10 to 40cm in core length between selvages. Below 420.25m the rocks are moderately intruded by late quartz; strongest between 420.50 and 421.05m at 35% gnarled and irregular quartz flooding extensional deformation.																
422.44	438.38	**MAFIC VOLCANICS** Fine to locally coarser, massive flows. Wet core is dark green to almost black in colour and generally featureless. Very little late quartz material throughout with exception of occasional veinlet. Occasional secondary veinlet has coarse amphibole growth as alteration halo hosting trace pyrite. Slight coarsening to a fine-grained gabbroic texture from 431.90 to 436.60m with gradational contacts and occasional patch and stringer of brown biotite. Competent and non-magnetic rock. 425.10m: 5cm shear with ribboned quartz stringers @ 5 deg tca with a slight wave in orientation -trace cpy and py																
438.38	448.40	**PILLOWED BASALTS** Fine-grained, amphibolized pillow moderate to deep green in colour. Selvages evident as thin black to locally biotized brown. Competent rocks with 2-3 breaks per meter. 1-3% crack sealed white quartz as irregular wisps to stringers. Four parallel, younger semi-transparent quartz veinlets with trace pink potassic feldspar along contacts between 441.28 and 441.55m.																

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-017

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)
		Some late white calcareous slip planes at shallow angles tca below 446.87m. Trace cubic pyrite below 446.85m.																
448.40	453.37	**FAULT** This fault is partly healed and partly open. The upper portion to approximately 452m consists 60% healed breccia. Brittle movement along the structure resulted in angular to sub-rounded fragments to 2cm in size intruded and solidified by a groundmass of 20% light green amphiboles, 30% white quartz, 40% feldspar and 10% carbonate. A few late quartz veinlet to 2cm with clotty orange k-spar. The breccias show a general orientation of 5-15 deg tca. Disseminated pyrite as very fine pinheads to cubes to 3mm within the breccias to 5% in abundance locally; averaging 1.5% throughout. Below 452m the unit contains only 10% healed breccia but has open fracture seams with waxy, slickenside faces. Host rock is very fine-grained and almost black in colour.	flt		007	448.40	449.40	1.00	2	-			0.010					
			flt		008	449.40	450.40	1.00	1	-			0.002					
			flt		009	450.40	451.40	1.00	1.5	-			0.002					
453.37	465.95	**PILLOWED BASALTS** Deep green, very dark, massive to foliated volcanics that are generally featureless with exception of the thin selvages and occasional patch of amygdules. Selvage orientation start @ 40-45 deg tca and shallow to 5 deg tca by end of unit. Lighter green bleaching and actinolite alteration locally. Unit moderately fractured with 3-4 breaks per meter. 1-2% quartz-carb stringers to veinlets with 4 veinlets 5-7cm in width.																
465.95	469.70	**FAULT**	flt		010	465.95	467.50	1.55	<0.25	-			0.007					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-017

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)
		Entire unit very blocky with an RQD value of 30%. Upper portion to 467.50m has pervasive silicification and soft green chloritization with tiny flecks of brilliant green fuchsite and trace pyrite. From approx 466.66 to 467.07m is a chaotic extensional quartz vein composed of coulomb quartz growth around angular silicous shards and white carbonate growth. Very soft minty green colouration within the vein locally. Clots and flecks of green fuchsite present over upper 5cm of quartz vein. Below the silicous material, the rocks become softer, highly intruded by anastomosing carbonate stringers and pitted. Open faces show minor remnant gouge as well as occasional slickensides. Trace pyrite at best. Rare late quartz + yellow/green epidote veinlets to 1cm thick																	
469.70	525.25	**MAFIC VOLCANICS** Very fine to fine to locally medium-grained, deep green volcanics; massive to locally foliated. Pervasive deep green colouration with small areas of slight bleaching to a light green/grey. Rocks generally void of flow textures etc. Thin sections could be pillows with what appear to be thin selvages with very tiny 3-5cm patches of amygdules. Not as discernable as pillows above. Variable quartz-carb content from trace to 5% over one meter. Very blocky between 474.0 to 478.5m, 486.0 to 490.50m and 518.50 to 525.25m with moderate competency throughout the rest at 3-4 breaks per meter. Grain size, foliation and alteration increase below 506m in the vicinity of the diking. Amphiboles coarsen with associated brown biotite alteration. Biotite as wisps to clots to massive bands to 8cm in width. Banding showing deformation as kinks and gentle waves with foliation varying from parallel to 70 deg tca.	mv		011	524.25	525.25	1.00	0.25	tr			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)

485.92 - 487.30m: bull white quartz vein @ 80 deg tca
-snow white with 0.5cm and 1.0cm orange k-spar at upper and lower contacts respectively
-0.25% wispy green fuchsite
-very broken up

493.88 - 493.93m: felsic veinlet with orange k-spar @ 80 deg tca

503.03 - 503.90m: felsic to intermediate dike @ 37 deg tca
-very fine dark grey-purplish with strong pervasive k-spar in center
-weakly porphyritic

505.10 - 505.70m: felsic to intermediate dike @ 21 deg tca
-very fine dark grey-purplish and porphyritic with 8-10% tiny 1mm white-cream phenos
-moderate (25%) orange k-spar alteration as holes around hairline structures and along contacts

510.94 - 512.45m: felsic to intermediate dike @ 75 deg tca
-similar to above
-barren white quartz vein from 511.93 to 512.15m

516.64 - 517.13m: iron formation @ 47 deg tca
-chert rich with 2% thin 2-4mm massive magnetite bands showing crenulations and kinks
-chert is off white to yellowish to grey

522.90 - 523.10m: fault @ 75 deg tca
-blocky with thin gouge seams
-tremendous carb stringers with weak silicification/bleaching

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)
525.25	534.22	**IRON FORMATION (UPPER)** Chert-argillic/pyrrhotite iron formation with bands upto 20cm. Light to moderate buff grey chert bands intermixed with pyrrhotite stringers. Unit overall is approximately 50:50 argillitic to chert. Chert and argillic sections are non-magnetic and pyrrhotite rich sections are strongly magnetic. Orientation of bedding ranges from sub-parallel to 75 deg tca but predominantly 55-60 deg tca showing deformation as waves and occasional small scale folds strongest over first 45cm and around 527.00m. Trace to 25% pyrrhotite forming irregular stringers and bands predominantly within argillic sections resembling flow type textures. Thin <1mm discontinuous stringers of po and py within some chert. Pyrite present along with po as thin wisps to larger blebs at approx 5:1 po:py ratio. Overall sulphide content of approx 6%. 528.10 - 532.10m: felsic dike -upper and lower contacts @ 60 and 47 deg tca respectively -grey and very fine-grained and extremely silicous -faint orange-red k-spar alteration in places -approx 20% very fine green amphiboles -moderately jointed with pyrite on fracture faces -upper 15cm mineralized and hosts a shard of argillitic material	IF		012	525.25	526.25	1.00	3	1.5			0.056					
			Blank		013	526.25	526.25	0.00					0.002					
			IF		014	526.25	527.25	1.00	1	15			0.023					
			IF		015	527.25	528.10	0.85	0.5	10			0.021					
			F.DK		016	528.10	529.10	1.00	1	tr			0.044					
			F.DK		017	529.10	530.10	1.00	tr	0.25			0.014					
			F.DK		018	530.10	531.10	1.00	tr	-			0.005					
			F.DK		019	531.10	532.10	1.00	tr	-			0.006					
			IF		020	532.10	533.10	1.00	0.25	4			0.025					
			IF		021	533.10	534.20	1.10	tr	2			0.024					
534.22	556.75	**HORNBLENDE GABBRO/AMPHIBOLITE** Rather homogenous unit of dark green melanocratic gabbro/amphibolite consisting of fine to medium-grained groundmass hosting coarser-grained amphiboles to 1cm in length resulting in a pyroxenitic appearance. Dry core shows 20% fine interstitial plag. Weak pervasive magnetism. Cut by very occasional quartz/carb veinlet. Competent with few	gab		022	534.22	535.22	1.00	-	-			0.002					
			gab		023	555.90	556.75	0.85	-	-			0.012					

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)
		breaks. Both upper and lower contacts unit becomes finer grained gradationally to medium grained in center. Generally massive with weak to moderate foliation locally. 536.16 - 536.25m: bull quartz vein 542.35m: nose of gentle fold as seen in arc shaped, quartz-carb ribboned shear																
556.75	588.50	**IRON FORMATION (MAIN)** The unit consists of argillitic iron formation before changing to a very rhythmically banded silicate-oxide iron formation. Overall the unit shows little deformation below 563m as banding shows only small scale crenulations with rare folding. Few dikes within and unit will be broken out in more detail below. The unit starts off as an argillitic formation of fine black mudstone hosting 15-65% pyrrhotite, 1-2% pyrite and 5-20% grey chert to 559.25m. Pyrrhotite as irregular stringers and knots giving the appearance of flow textures, showing the high degree of disturbance within the mudstones. Competent rock except for between 558.10 and 558.65m, where its badly broken. From 559.25 to 561.80m is a section of badly fractured felsic diking with chert iron formation from 560.30 to 560.53m @ 45 deg tca. Section from 561.80 to 563.46m is a chert-rich formation of approx 70% grey to white chert with thin dark green amphibole bands with local garnets and some thin magnetite banding as well as approx 1-2% pyrrhotite. Bedding angles from 45-65 deg tca and show strong folding and 90% garnets between 562.48	IF		024	556.75	558.00	1.25	1.5	40			0.930					
			IF		025	558.00	559.25	1.25	1	30			0.064					
			F.DK		026	559.25	560.15	0.90	tr	-			0.028					
			F.DK		027	560.15	561.00	0.85	tr	-			0.419					
			F.DK		028	561.00	561.80	0.80	tr	-			0.480					
			Standard		029	561.80	561.80	0.00					4.850					
			IF	weak amph, strong garnet	030	561.80	562.65	0.85	tr	1.25			0.178					
			IF	weak amph	031	562.65	563.46	0.81	tr	<1			0.060					
			wacke		032	563.46	564.40	0.94	-	-			0.005					
			IF	strong amph	033	564.40	565.40	1.00	-	0.75			0.377					
			IF	strong amph	034	565.40	566.40	1.00	-	0.25			0.370					
			IF	strong amph	035	566.40	567.40	1.00	-	0.25			0.397					
			IF	mod amph	036	567.40	568.40	1.00	-	0.25			0.274					
			Blank		037	568.40	568.40	0.00					0.002					
			IF	mod amph, strong garnet	038	568.40	569.40	1.00	tr	<1			5.730					
			IF	mod amph, strong garnet	039	569.40	570.40	1.00	tr	<1			0.120					
			IF	strong amph and garnet	040	570.40	571.40	1.00	tr	1			1.740					
			IF	strong amph	041	571.40	572.40	1.00	tr	2			8.180					
			IF	strong amph	042	572.40	573.40	1.00	tr	1.75			1.690					
			IF	strong amph	043	573.40	574.40	1.00	tr	3			0.825					
			IF	strong amph	044	574.40	575.40	1.00	tr	1			1.850					
			IF	strong amph	045	575.40	576.40	1.00	-	0.5			0.346					
			IF	strong amph	046	576.40	577.40	1.00	tr	2.5			1.890					
			IF	strong amph, mod garnet	047	577.40	578.40	1.00	tr	3			1.440					

DIAMOND DRILL CORE LOGGING SHEET

METALS CREEK RESOURCES

LOGGED BY: M.MacIsaac & D.Heerema SIGNATURE: PROPERTY: Dona Lake ZONE: Main HOLE NO.: DL20-017

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)
		and 562.65m. Good competency below 562.40m.	IF	strong amph	048	578.40	579.40	1.00	-	tr			2.750					
			IF	strong amph and garnet	049	579.40	580.40	1.00	tr	<1			0.764					
		563.46 - 564.40m: very dark almost black wacke with elongate amphiboles parallel to bedding of iron formation. Sharper upper contact but diffuse more gradational lower contact.	Blank		050	580.40	580.40	0.00					0.008					
			IF	strong amph	051	580.40	581.40	1.00	tr	1.5			0.394					
			IF	strong amph	052	581.40	582.40	1.00	tr	3.5			3.590					
			IF	strong amph	053	582.40	583.30	0.90	tr	5			1.820					
		From 564.40 to 583.30m is a well banded unit of magnetite, amphiboles, chert and local garnets. Bedding consists of slightly thicker chert bands to 3cm with 1mm to 1cm size amphibole and 1-3mm massive magnetite bands. Bedding angles range from 50-70 deg tca but typically found to be a consistent 60 deg tca. Beds show small scale crenulations and occasional kinking. Alteration consists of yellowish to light green amphiboles and pyrrhotite replacing magnetite. Amphiboles have a fuzzy appearance and often make for diffuse and clouded contacts with chert and magnetite banding. A more schistose texture and strongest alteration below 571m. Wispy to stringer style pyrrhotite and trace pyrite present also. The sulphides are found within the strongest areas of amphiboles and generally conform to bedding and show a wispiness within schistosity. Sulphide content ranges from 1-10% with an average of 2-3%. Garnet growth not uncommon, found with dark green to black amphiboles in areas of more deformation/tectonism and chert-rich sections.	wacke		054	583.30	584.10	0.80	tr	tr			1.440					
			wacke		055	584.10	584.90	0.80	-	-			0.012					
			wacke		056	584.90	585.60	0.70	-	-			0.005					
			IF	strong amph, weak garnet	057	585.60	586.75	1.15	tr	2			0.231					
			IF	strong amph, weak garnet	058	586.75	587.75	1.00	tr	0.5			0.028					
			Standard		059	587.75	587.75	0.00					1.460					
			wacke		060	587.75	588.50	0.75	-	tr			0.022					
		568.20 to 570.15m is a chertier section with lighter coloured more distinct chert bands and dark amphibole+garnets. This section shows numerous parallel slip planes @ 30-35 deg tca cutting and displacing bedding an a mm to cm-scale. Extremely competent with very few breaks.																
		570.24 - 570.50m, 572.42 - 572.51, 575.74 - 576.15m and 578.90 - 579.56m: dark gritty wacke beds																
		From 583.30 to 585.60m is a dark grey to black gritty and																

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)
		foliated wacke. Darker contacts, characteristics of a dike 585.60 to 587.75m is a section of amphibole and magnetite banding with little chert. Dark in colour with slightly deeper green amphiboles and dark grey magnetite. Beautifully banded grey chert and massive magnetite over last 14cm. Pyrrhotite as stringers averaging 1%. Bedding shows a gentle fold at 586.50m as the bedding angles change from 60 deg tca to parallel tca over 20cm before steepening back to 60 deg tca by 587m. Deep green amphiboles and 10% coarse 1.3cm garnets in fold structure. 587.75 - 588.35m: dark gritty wacke 588.35 to 588.50m: well banded grey chert and amphibole/magnetite/pyrrhotite 90% chert beds @ 45 deg tca Used standard HGS3 for sample DL21-017-029 Used standard VMS4 for sample DL21-017-059																
588.50	607.90	**MAFIC VOLCANICS** Weakly foliated and blocky volcanics. Fine to slightly coarser-grained. Deep green, amphibolite altered. Between 599.10 and 600.97m is moderately banded with thin 1-5mm bands of dark green and light grey/green amphiboles with weak magnetism. Iron formation? Weak pyrite. Pyrite mineralization along some open fractures. Weakly disseminated po below 600m. 589.45 - 589.60m: chert with very thin amphibole bands Extremely blocky zones from 593.56 to 597.00m and 602.20 to 604.70m. Soft gouge material from 594.00 to 594.10m.	mv		061	588.50	589.60	1.10	-	-			0.021					
			mv		062	606.90	607.90	1.00	tr	0.25			0.113					

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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)
607.90	613.17	**IRON FORMATION (LOWER)** Chaotic assemblage of chert and dark green amphiboles with little rhythmic banding but more wispy to irregular stringers to clotty amphiboles and sulphides. Chert is dark grey and makes up approx 50% of the rock to 612.00m before essentially becoming a massive chert horizon. Banding @ 60 deg tca most evident over upper section to 609.20m. No evidence of magnetite. Unit moderately magnetic as a result of pyrrhotite. Sulphides consist of both pyrite and pyrrhotite at approx 1:3 ratio as knots, wisps and stringers ranging from 0.5% to 5%; averaging 3%. Wispy to stringer sulphides commonly oriented very shallow tca (parallel to 25 deg tca). Trace sulphides in chert horizon from 612 to 612.80m before well mineralized over last 27cm. Competent rock.	IF	mod amph	063	607.90	609.00	1.10	0.5	1			0.026					
			IF	mod - strong amph	064	609.00	610.00	1.00	1	1.5			0.028					
			IF	strong amph + sulph	065	610.00	611.00	1.00	1	3.5			0.037					
			IF	strong amph + sulp	066	611.00	612.00	1.00	1	3.5			0.049					
			IF	weak amph	067	612.00	613.17	1.17	1.5	tr			0.010					
613.17	616.00	**PORPHYRY DIKE** Felsic dike with very fine-grained groundmass, grey-purple in colour where fresher. Strong pervasive orange potassic alteration over 85% of dike resulting in orange/reddish groundmass and phenocrysts. Approx 35-40% anhedral to subhedral phenocrysts from 0.5-2mm in diameter. White in fresher dike. Very blocky with RQD of 10%. Unmineralized Sharp upper and lower contacts @ 60 deg tca.	F.DK	potassic alt	068	613.17	614.50	1.33	-	-			0.014					
			F.DK	potassic alt	069	614.50	616.00	1.50	-	-			0.011					

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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)
616.00	618.50	**IRON FORMATION (LOWER)** Similar to other side of porphyritic dike, chert and amphibole with no rhythmic banding but more chaotic wispy to stringer amphiboles within white to grey chert. Approximately 50-55% chert with dark green amphiboles, 2% pyrrhotite and 1% pyrite. Wispy to stringer style pyrrhotite and stringer pyrite along late structures. Fairly competent. A little late, barren quartz flooding at 616.57m and over the last 40cm of unit.	IF	strong amph + mod sulph	070	616.00	617.00	1.00	1	2.5			0.043					
			IF	strong amph + mod pyrite	071	617.00	618.00	1.00	2.5	tr			0.060					
			Blank		072	618.00	618.00	0.00					0.002					
			IF	weak amph	073	618.00	618.50	0.50	tr	tr			0.054					
618.50	621.30	**ALTERED VOLCANICS** Dark green, amphibolized and weakly biotized volcanics foliated @ 60 deg tca. The rocks are dark green with 15% stringers to thin bands of orange/brown potassic feldspar as well as very thin biotite wisps parallel to foliation. Non-magnetic. Unmineralized to 621.48m. 621.48 - 621.57m: seam of 80% po and trace pyrite 621.86 - 621.94m: late quartz vein with trace orange k-spar	mv	amph, weak bio, k-spar	074	618.50	619.50	1.00	-	-			0.057					
			mv	amph, weak bio, k-spar	075	619.50	620.50	1.00	-	-			0.053					
			mv	amph, weak bio, k-spar	076	620.50	621.30	0.80	<1	3			0.082					
621.30	625.30	**FAULT ZONE** Gravel size material recovered at approx 40%. Gouge washed away. Based on rock pieces, the protolith is a volcanic with weak potassic alteration. Late calcareous stringers discernable locally. The last 20cm of recovered material is very fine-grained, black argillite gouge @ 60 deg tca. Driller said between 621 and 624m the rods were being squeezed and had to pull back and ream numerous times to	FLT		077	621.30	625.30	4.00	-	-			0.019					

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)
		allow the rods to pass freely.																
625.30	631.47	**IRON FORMATION (LOWER)** Upper portion of the formation to 627.25m is an argillic-silicate formation of very fine mudstone and chert. First 50cm is mudstone flooded by pervasive orange/red k-spar to 85%. 625.80 to 626.70m is chert-rich with narrow 1-2cm bands of contorted mudstone, minor amphibole and some sulphides. Sulphides are found with argillic bands and not in the chert itself. Wispy to fine stringers of mainly pyrite throughout, with pyrrhotite found between 626.50 and 626.65m in a folded chaotic area flooded by 65% fine red k-spar also. 626.70 to 628.00m is mainly a gritty dark wacke with a narrow section of well banded chert, amphibole and pyrrhotite @ 47 deg tca from 627.08 to 627.24m. Below 628.00m the unit becomes a typically banded iron-oxide iron formation with thin massive magnetite bands, bound by thin green amphiboles within white to moderate to dark grey chert. Unit has a distinct green colouration. Banding well preserved, oriented @ 60 deg tca and shallowing slightly to 55 deg tca by end of unit. Bands do not exceed 1.5cm in thickness and chert bands are thicker than magnetite+amph bands. Banding not crenulated or folded, just cut by hairline slip planes sub-parallel tca that off-set bedding on mm-scale. Weak pyrrhotite mineralization as wisps to thin stringers from trace to 2% averaging approximately 0.5%.	IF	weak amph	078	625.30	626.70	1.40	1	1			0.129					
			wacke		079	626.70	628.00	1.30	tr	1			0.011					
			IF	mod amph	080	628.00	629.00	1.00	tr	2			0.094					
			IF	mod amph	081	629.00	630.00	1.00	-	tr			0.088					
			IF	mod amph	082	630.00	630.80	0.80	tr	1			0.021					
			IF	mod amph	083	630.80	631.47	0.67	tr	0.25			0.009					
631.47	637.00	**MAFIC VOLCANICS**	mv		084	631.47	632.50	1.03	-	-			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)
		Deep green, competent, fine-grained volcanics with a weak foliation over upper meter. 632.50 - 633.50m: intermediate dike @ 53 deg tca -dark purplish/black coloured -very fine-grained with a weak bleaching locally 634.75 -635.95m: intermediate dike like above.																

Printed: August-18-21

APPENDIX II

Maps and Figures

GEOLOGICAL LEGEND

15 LAMPROPHYRE

12 MINOR FELSIC INTRUSIVES

- ***a Albite Porphyry***
- ***b Felsic Dike***
- ***c Feldspar Porphyry***
- ***d Granodiorite***

7 IRON FORMATION

- ***a magnetite, chert, amphibole (grunerite and/or hornblende) +/- pyrrhotite +/- pyrite +/- carbonate +/- garnet +/- biotite +/- basalt tuff +/- chlorite***
- ***b chert +/- amphibole +/- pyrrhotite +/- pyrite +/- greywacke +/- graphite +/- chlorite +/- carbonate +/- minor magnetite***
- ***c massive sulphide***

6 SEDIMENTS

- ***d greywacke***
- ***j impert chert***
- ***k argillite***

5 FELSIC VOLCANICS

- ***a rhyolite***
- ***b rhyolite tuff, felsic tuff, siliceous tuff***
- ***c rhyolite lapilli tuff***

4 INTERMEDIATE VOLCANICS

- ***a intermediate tuff***

3 MAFIC VOLCANICS

- ***a basalt***
- ***b basalt tuff***
- ***c foliated amphibolite***
- ***d Mafic amphibolite***
- ***e chlorite schist***
- ***gab gabbro***

1 ULTRAMAFICS

M.Dk Mafic Dike

QV Quartz vein
SHR Shear
FLT Fault

N

METALS CREEK RESOURCES

5699900.0Y

5699800.0Y

5699700.0Y

5699600.0Y

702300.0X

702400.0X

702500.0X

PAT-7478

PAT-7479

PAT-7477

LEA-108365

DL20-003

DL21-016

DL21-015

DL20-004

DL21-009

DL21-017

DL21-008

DL21-010

DL21-012

DL21-014

DL21-007

DL21-011

DL21-013

DL20-002

DL20-006

DL20-005

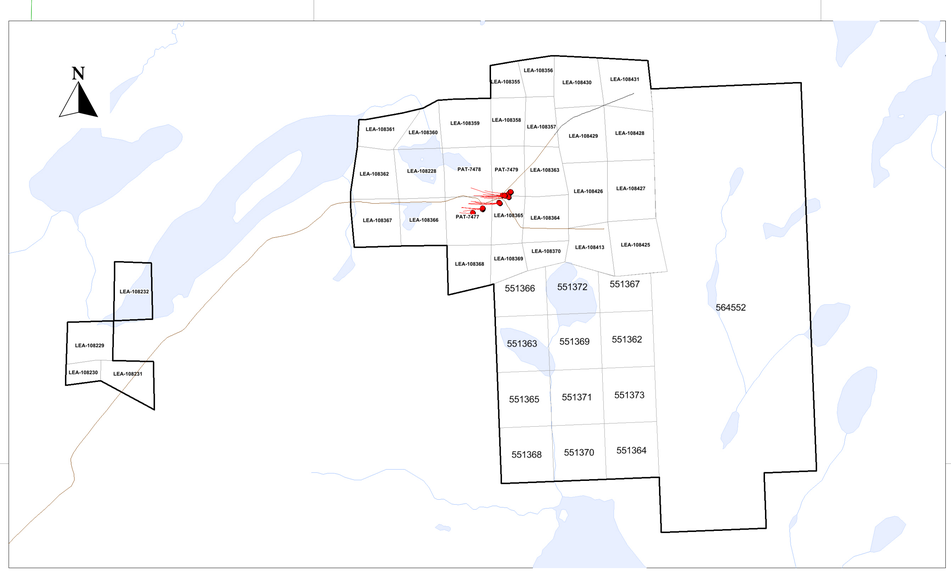
DL20-001

DONA LAKE PROJECT - PLAN MAP

0 50 100

METERS

SCALE 1:500



S

N

DL20-001
4.53 / 1.00m

DL20-006
1.26 / 13.90m incl.
2.78 / 3.34m

DL20-005
NSA (FAULTED OFF)

DL20-002
2.43 / 14.35m inc.
5.68 / 5.15m

DL21-011
0.92 / 14.48m incl.
1.15 / 8.65m

DL21-009
NSA (STOPED OUT)

DL21-007
3.98 / 23.08m incl.
5.21 / 14.80m incl
7.79 / 5.00m and
7.48 / 4.18m

DL21-012
3.04 / 25.05m incl.
5.49 / 8.70m incl.
6.68 / 4.93m

DL21-014
4.08 / 20.85m incl.
13.10 / 2.00m and
5.51 / 7.00m

DL21-008
1.46 / 3.00m
(HIT WORKINGS)

DL20-003
8.07 / 7.00m

DL21-017
2.17 / 15.70m incl.
3.94 / 4.00m

455-2

DL20-004
3.83 / 10.75m incl.
5.57 / 6.65m

DL21-010
1.29 / 10.84m incl.
3.20 / 2.20m

DL21-016
2.39 / 11.42m incl.
5.00 / 3.00m

DRILLED MEK HOLES

DRILLED HISTORIC HOLES

SECTION LOOKING WEST

3.83 / 10.75m = 3.83g/t gold over 10.75m core length

0 100

metres

1 : 1000

DONA LAKE MAIN ZONE LONGITUDINAL

METALS CREEK RESOURCES

WEST

EAST

DL20-002
DL20-006
DL20-005
DL20-001
corridor
PAT-7477
N

DL20-001
702387.99mE, 5699664.59mN
AZI = 269.0°
DIP = -64.11°
222.0m Length

PAT-7477

LEA-108365

GEOLOGICAL LEGEND

15 LAMPROPHYRE

12 MINOR FELSIC INTRUSIVES
- a Albite Porphyry
- b Felsic Dike
- c Feldspar Porphyry
- d Granodiorite

7 IRON FORMATION
- a magnetite, chert, amphibole (grunerite and/or hornblende) +/- pyrrhotite +/- pyrite +/- carbonate +/- garnet +/- biotite +/- basalt tuff +/- chlorite
- b chert +/- amphibole +/- pyrrhotite +/- pyrite +/- greywacke +/- graphite +/- chlorite +/- carbonate +/- minor magnetite
- c massive sulphide

6 SEDIMENTS
- d greywacke
- j impert chert
- k argillite

5 FELSIC VOLCANICS
- a rhyolite
- b rhyolite tuff, felsic tuff, siliceous tuff
- c rhyolite lapilli tuff

4 INTERMEDIATE VOLCANICS
- a intermediate tuff

3 MAFIC VOLCANICS
- a basalt
- b basalt tuff
- c foliated amphibolite
- d Mafic amphibolite
- e chlorite schist
- gab gabbro

1 ULTRAMAFICS

M.Dk Mafic Dike

QV Quartz vein
SHR Shear
FLT Fault

DONA LAKE PROJECT

SECTION 9665N
10m CORRIDOR WIDTH
SECTION LOOKING NORTH
UTM NAD83 ZONE 15
GRADES DISPLAYED ARE g/t

-50 0 50
Scale 1:1000

METALS CREEK RESOURCES

WEST

EAST

corridor

DL20-002

DL20-006

DL20-005

PAT-7477

LEA-108365

N

DL20-005
702470mE, 5699705mN
AZI = 260.14º
DIP = -56.22º
318.0m Length

PAT-7477

LEA-108365

DONA LAKE PROJECT

SECTION DL20-005
5m CORRIDOR WIDTH SECTION
LOOKING NORTH-NORTHWEST
UTM NAD83 ZONE 15 GRADES
DISPLAYED ARE g/t

-50 0 50

Scale 1:1000

METALS CREEK RESOURCES

600.00 Y
500.00 Y
400.00 Y
300.00 Y
200.00 Y
100.00 Y
0.00 Y
-100.00 Y
-200.00 Y
-300.00 Y

100.00 X
200.00 X
300.00 X
400.00 X
500.00 X
600.00 X

WEST

EAST

corridor

PAT-7477

N

DL20-002
DL20-006
DL20-005
DL20-001

DL20-006
702470mE, 5699705mN
AZI = 268.47º
DIP = -51.5º
279.0m Length

DL20-002
702468.08mE, 5699694.31mN
AZI = 270.0º
DIP = -62.3º
350.0m Length

PAT-7477

GEOLOGICAL LEGEND

15 LAMPROPHYRE

12 MINOR FELSIC INTRUSIVES
- *a Albite Porphyry*
- *b Felsic Dike*
- *c Feldspar Porphyry*
- *d Granodiorite*

7 IRON FORMATION
- *a magnetite, chert, amphibole (grunerite and/or hornblende) +/- pyrrhotite +/- pyrite +/- carbonate +/- garnet +/- biotite +/- basalt tuff +/- chlorite*
- *b chert +/- amphibole +/- pyrrhotite +/- pyrite +/- greywacke +/- graphite +/- chlorite +/- carbonate +/- minor magnetite*
- *c massive sulphide*

6 SEDIMENTS
- *d greywacke*
- *j impert chert*
- *k argillite*

5 FELSIC VOLCANICS
- *a rhyolite*
- *b rhyolite tuff, felsic tuff, siliceous tuff*
- *c rhyolite lapilli tuff*

4 INTERMEDIATE VOLCANICS
- *a intermediate tuff*

3 MAFIC VOLCANICS
- *a basalt*
- *b basalt tuff*
- *c foliated amphibolite*
- *d Mafic amphibolite*
- *e chlorite schist*
- *gab gabbro*

1 ULTRAMAFICS

M.Dk Mafic Dike

QV Quartz vein
SHR Shear
FLT Fault

DONA LAKE PROJECT

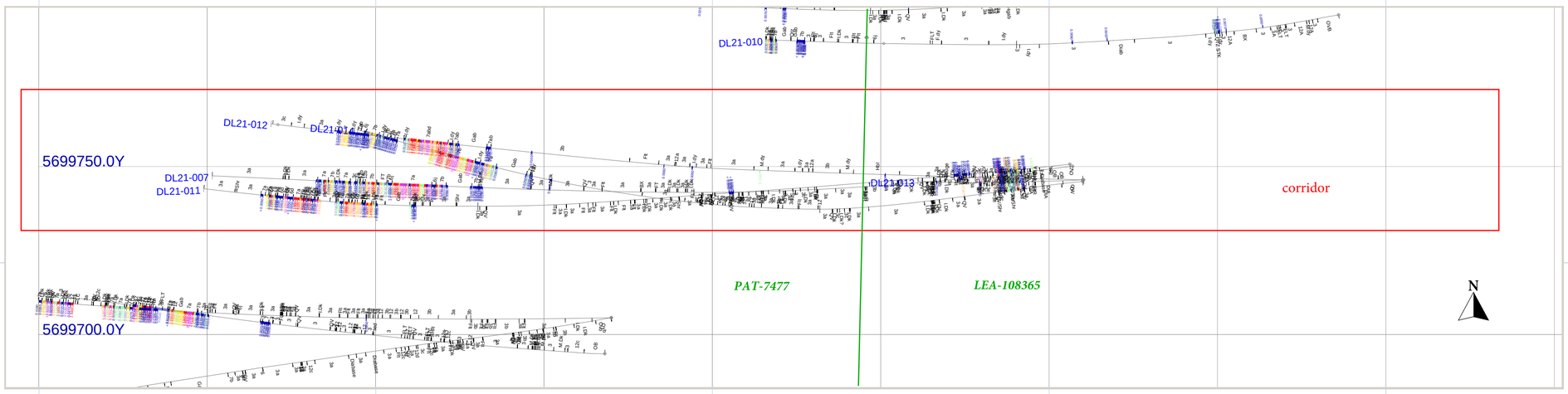
SECTION 9705N
20m CORRIDOR WIDTH
SECTION LOOKING NORTH
UTM NAD83 ZONE 15
GRADES DISPLAYED ARE g/t

-50 0 50
Scale 1:1000

METALS CREEK RESOURCES

WEST

EAST



DL21-007
702608mE, 5699750mN
AZI = 265.53º
DIP = -69.1º
552.0m Length

DL21-013
702610.3mE, 5699746mN
AZI = 267.0º
DIP = -69.7º
141.0m Length

DL21-012
702610mE, 5699746mN
AZI = 271.4º
DIP = -66.8º
549.0m Length

DL21-014
702610mE, 5699745mN
AZI = 264.6º
DIP = -69.4º
528.0m Length

DL21-011
702606.2mE, 5699750.6mN
AZI = 264.0º
DIP = -61.0º
492.0m Length

GEOLOGICAL LEGEND

15 LAMPROPHYRE

12 MINOR FELSIC INTRUSIVES
- *a Albite Porphyry*
- *b Felsic Dike*
- *c Feldspar Porphyry*
- *d Granodiorite*

7 IRON FORMATION
- *a magnetite, chert, amphibole (grunerite and/or hornblende) +/- pyrrhotite +/- pyrite +/- carbonate +/- garnet +/- biotite +/- basalt tuff +/- chlorite*
- *b chert +/- amphibole +/- pyrrhotite +/- pyrite +/- greywacke +/- graphite +/- chlorite +/- carbonate +/- minor magnetite*
- *c massive sulphide*

6 SEDIMENTS
- *d greywacke*
- *j impert chert*
- *k argillite*

5 FELSIC VOLCANICS
- *a rhyolite*
- *b rhyolite tuff, felsic tuff, siliceous tuff*
- *c rhyolite lapilli tuff*

4 INTERMEDIATE VOLCANICS
- *a intermediate tuff*

3 MAFIC VOLCANICS
- *a basalt*
- *b basalt tuff*
- *c foliated amphibolite*
- *d Mafic amphibolite*
- *e chlorite schist*
- *gab gabbro*

1 ULTRAMAFICS

M.Dk Mafic Dike

QV Quartz vein
SHR Shear
FLT Fault

DONA LAKE PROJECT

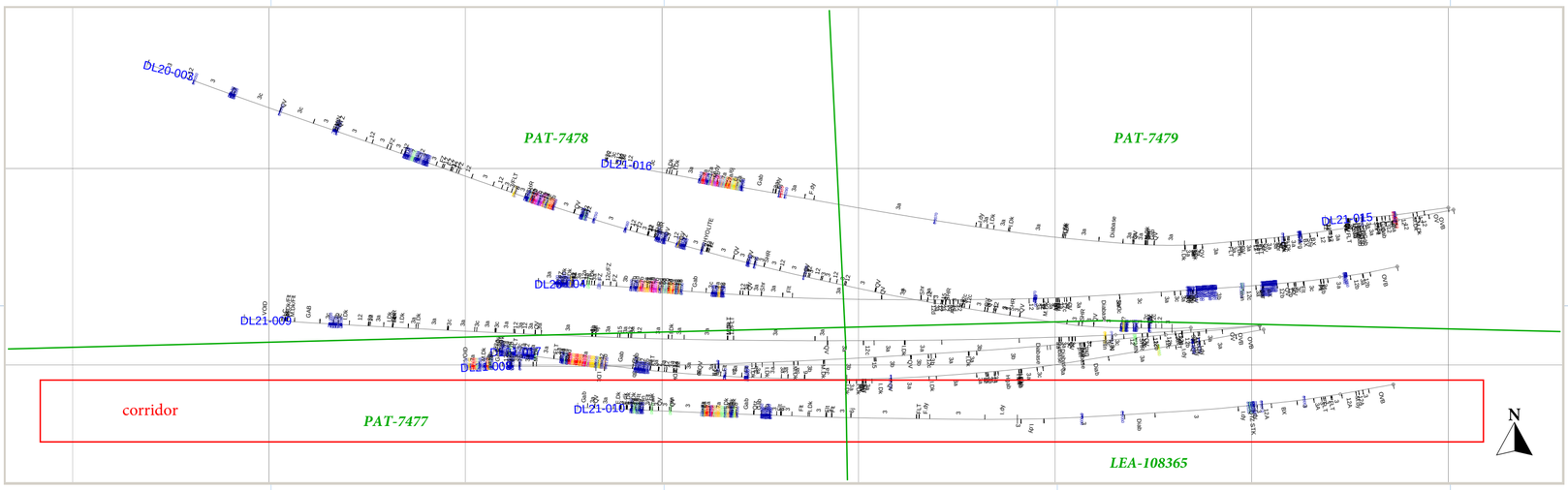
SECTION 9745N
30m CORRIDOR WIDTH
SECTION LOOKING NORTH
UTM NAD83 ZONE 15
GRADES DISPLAYED ARE g/t

-50 0 50
Scale 1:1000

METALS CREEK RESOURCES

WEST

EAST



GEOLOGICAL LEGEND

15 LAMPROPHYRE

12 MINOR FELSIC INTRUSIVES
- a Albite Porphyry
- b Felsic Dike
- c Feldspar Porphyry
- d Granodiorite

7 IRON FORMATION
- a magnetite, chert, amphibole (grunerite and/or hornblende) +/- pyrrhotite +/- pyrite +/- carbonate +/- garnet +/- biotite +/- basalt tuff +/- chlorite
- b chert +/- amphibole +/- pyrrhotite +/- pyrite +/- greywacke +/- graphite +/- chlorite +/- carbonate +/- minor magnetite
- c massive sulphide

6 SEDIMENTS
- d greywacke
- j impert chert
- k argillite

5 FELSIC VOLCANICS
- a rhyolite
- b rhyolite tuff, felsic tuff, siliceous tuff
- c rhyolite lapilli tuff

4 INTERMEDIATE VOLCANICS
- a intermediate tuff

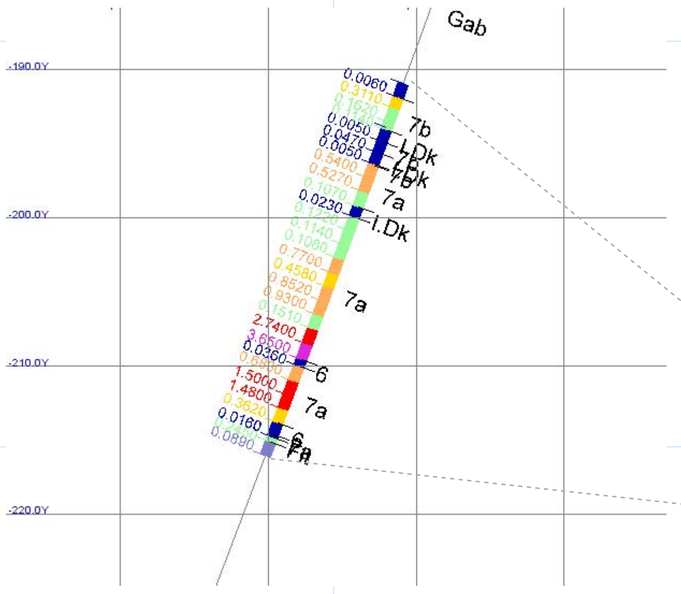
3 MAFIC VOLCANICS
- a basalt
- b basalt tuff
- c foliated amphibolite
- d Mafic amphibolite
- e chlorite schist
- gab gabbro

1 ULTRAMAFICS

M.Dk Mafic Dike

QV Quartz vein
SHR Shear
FLT Fault

DL21-010
702686mE, 5699795mN
AZI = 259.34º
DIP = -77.1º
723.0m Length



PAT-7477 LEA-108365

DONA LAKE PROJECT

SECTION 9785N
15m CORRIDOR WIDTH
SECTION LOOKING NORTH
UTM NAD83 ZONE 15
GRADES DISPLAYED ARE g/t

-50 0 50
Scale 1:1000

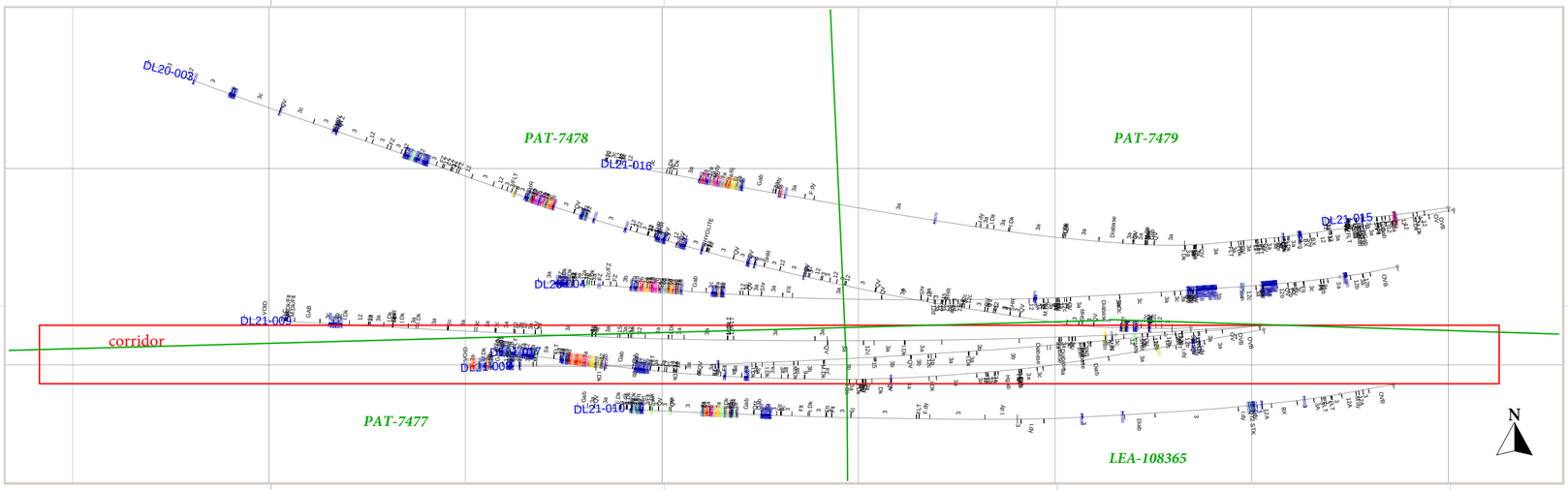
METALS CREEK RESOURCES

600.00 Y
500.00 Y
400.00 Y
300.00 Y
200.00 Y
100.00 Y
0.00 Y
-100.00 Y
-200.00 Y
-300.00 Y

100.00 X 200.00 X 300.00 X 400.00 X 500.00 X 600.00 X

WEST

EAST



GEOLOGICAL LEGEND

15 LAMPROPHYRE

12 MINOR FELSIC INTRUSIVES
- a Albite Porphyry
- b Felsic Dike
- c Feldspar Porphyry
- d Granodiorite

7 IRON FORMATION
- a magnetite, chert, amphibole (grunerite and/or hornblende)

  +/- basalt tuff +/- chlorite
- b chert +/- amphibole +/- pyrrhotite +/- pyrite +/- greywacke
- c massive sulphide

6 SEDIMENTS
- d greywacke
- j impert chert
- k argillite

5 FELSIC VOLCANICS
- a rhyolite
- b rhyolite tuff, felsic tuff, siliceous tuff
- c rhyolite lapilli tuff

4 INTERMEDIATE VOLCANICS
- a intermediate tuff

3 MAFIC VOLCANICS
- a basalt
- b basalt tuff
- c foliated amphibolite
- d mafic amphibolite
- gab gabbro

1 ULTRAMAFICS

M.Dk Mafic Dike

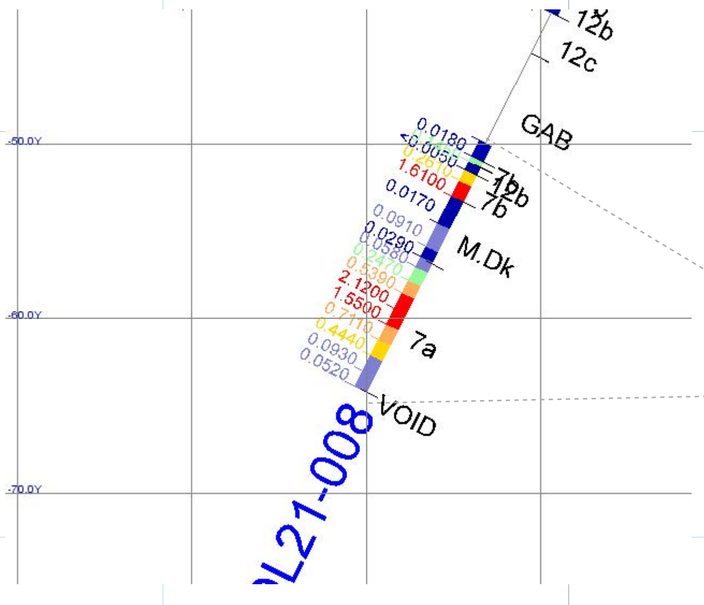
QV Quartz vein
SHR Shear
FLT Fault

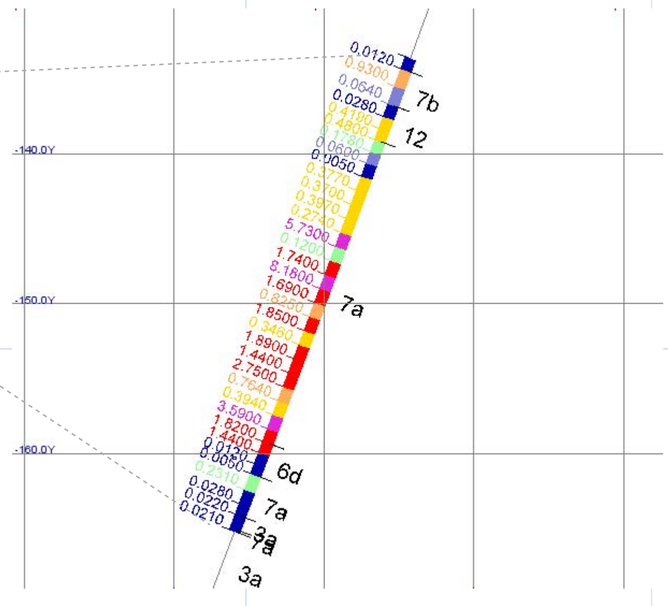
DL20-003
702634.5mE, 5699807.47mN
AZI = 266.0°
DIP = -77.3°
780.0m Length

DL21-008
702652mE, 5699810mN
AZI = 262.06°
DIP = -68.66°
588.0m Length

DL21-009
702651.6mE, 5699810.3mN
AZI = 262.41°
DIP = -60.52°
439.2m Length

DL21-017
702653mE, 5699809mN
AZI = 258.7°
DIP = -74.20°
637.0m Length





DONA LAKE PROJECT

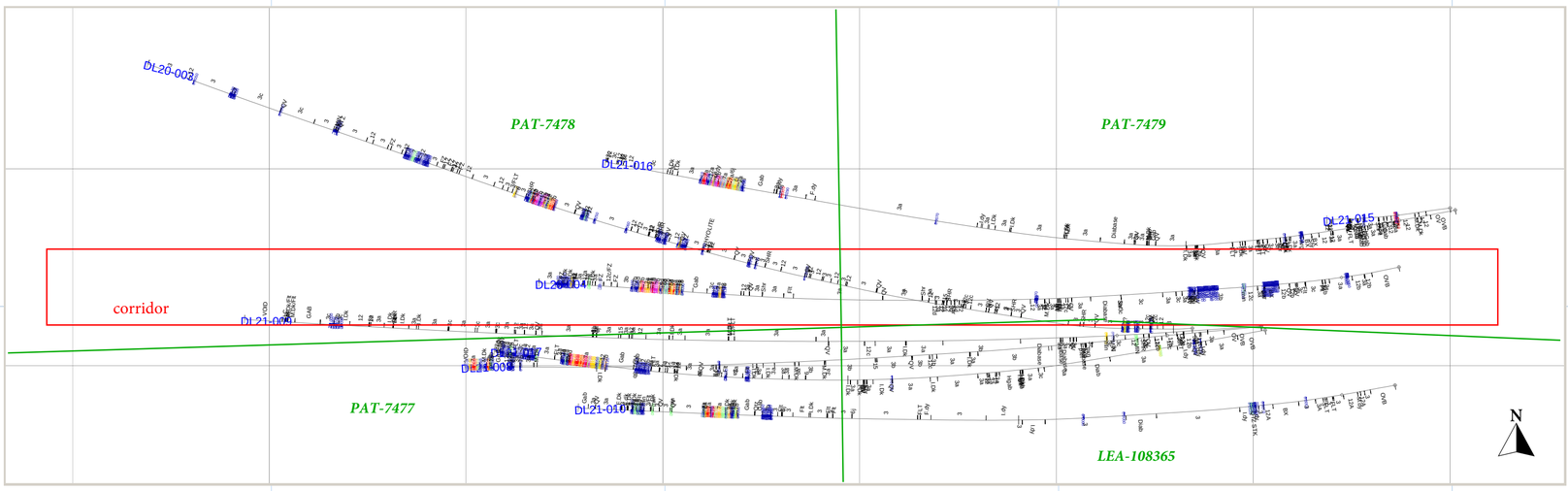
SECTION 9805N
15m CORRIDOR WIDTH
SECTION LOOKING NORTH
UTM NAD83 ZONE 15
GRADES DISPLAYED ARE g/t

-50 0 50
Scale 1:1000

METALS CREEK RESOURCES

WEST

EAST



GEOLOGICAL LEGEND

15 LAMPROPHYRE

12 MINOR FELSIC INTRUSIVES
- a Albite Porphyry
- b Felsic Dike
- c Feldspar Porphyry
- d Granodiorite

7 IRON FORMATION
- a magnetite, chert, amphibole (grunerite and/or hornblende) +/- pyrrhotite +/- pyrite +/- carbonate +/- garnet +/- biotite +/- basalt tuff +/- chlorite
- b chert +/- amphibole +/- pyrrhotite +/- pyrite +/- greywacke +/- graphite +/- chlorite +/- carbonate +/- minor magnetite
- c massive sulphide

6 SEDIMENTS
- d greywacke
- j impert chert
- k argillite

5 FELSIC VOLCANICS
- a rhyolite
- b rhyolite tuff, felsic tuff, siliceous tuff
- c rhyolite lapilli tuff

4 INTERMEDIATE VOLCANICS
- a intermediate tuff

3 MAFIC VOLCANICS
- a basalt
- b basalt tuff
- c foliated amphibolite
- d Mafic amphibolite
- e chlorite schist
- gab gabbro

1 ULTRAMAFICS

M.Dk Mafic Dike

QV Quartz vein
SHR Shear
FLT Fault

DL20-004
702687mE, 5699825mN
AZI = 259.89º
DIP = -77.02º
681.0m Length

DONA LAKE PROJECT

SECTION 9825N
20m CORRIDOR WIDTH
SECTION LOOKING NORTH
UTM NAD83 ZONE 15
GRADES DISPLAYED ARE g/t

-50 0 50
Scale 1:1000

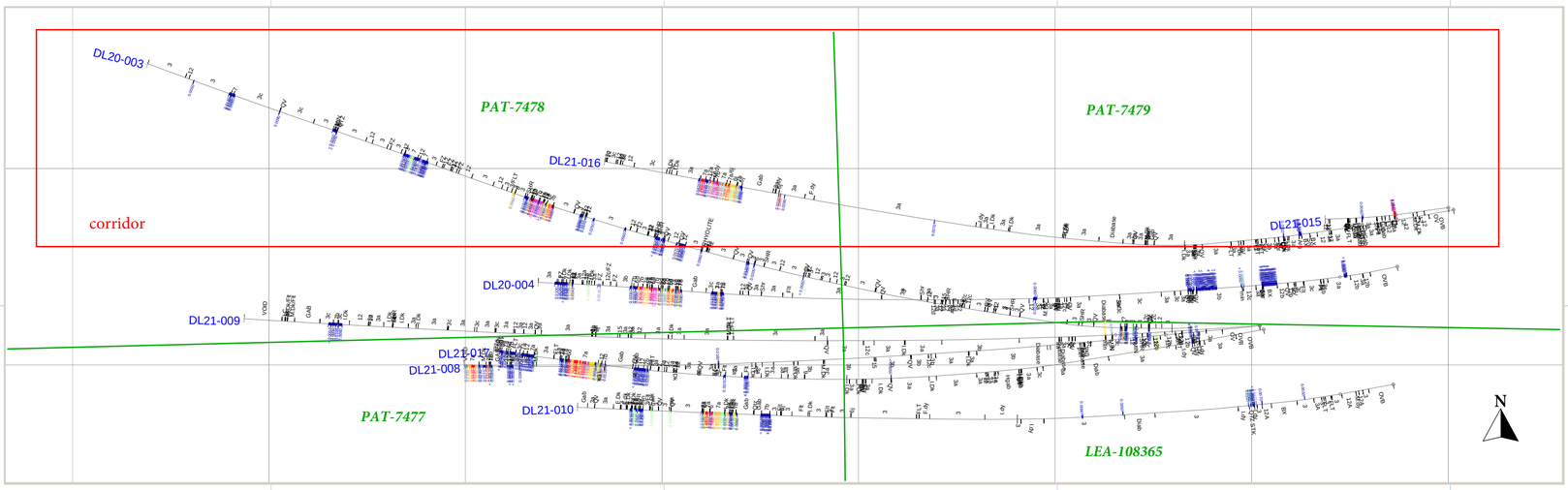
600.00 Y
500.00 Y
400.00 Y
300.00 Y
200.00 Y
100.00 Y
0.00 Y
-100.00 Y
-200.00 Y
-300.00 Y

100.00 X 200.00 X 300.00 X 400.00 X 500.00 X 600.00 X

METALS CREEK RESOURCES

WEST

EAST



GEOLOGICAL LEGEND

15 LAMPROPHYRE

12 MINOR FELSIC INTRUSIVES
- a Albite Porphyry
- b Felsic Dike
- c Feldspar Porphyry
- d Granodiorite

7 IRON FORMATION
- a magnetite, chert, amphibole (grunerite and/or hornblende) +/- pyrrhotite +/- pyrite +/- carbonate +/- garnet +/- biotite +/- basalt tuff +/- chlorite
- b chert +/- amphibole +/- pyrrhotite +/- pyrite +/- greywacke +/- graphite +/- chlorite +/- carbonate +/- minor magnetite
- c massive sulphide

6 SEDIMENTS
- d greywacke
- j impert chert
- k argillite

5 FELSIC VOLCANICS
- a rhyolite
- b rhyolite tuff, felsic tuff, siliceous tuff
- c rhyolite lapilli tuff

4 INTERMEDIATE VOLCANICS
- a intermediate tuff

3 MAFIC VOLCANICS
- a basalt
- b basalt tuff
- c foliated amphibolite
- d Mafic amphibolite
- e chlorite schist
- gab gabbro

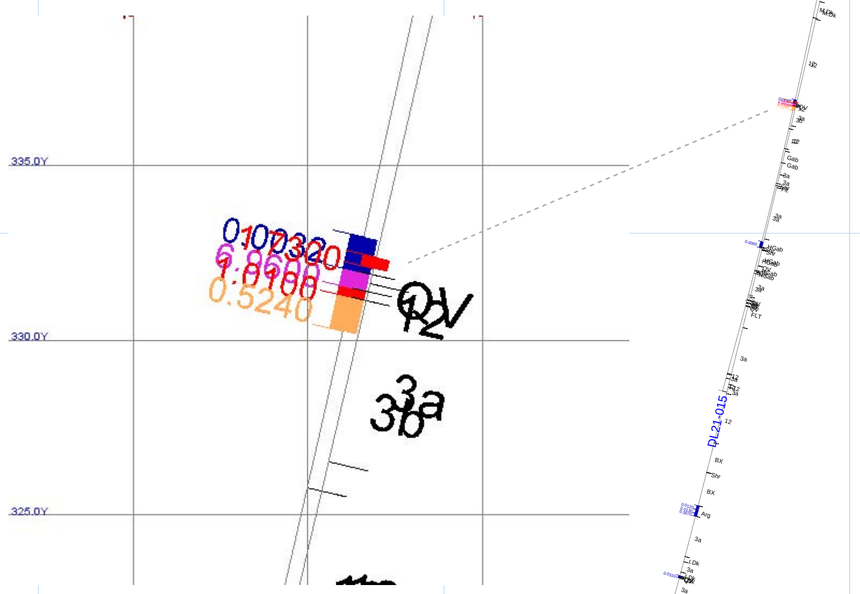
1 ULTRAMAFICS

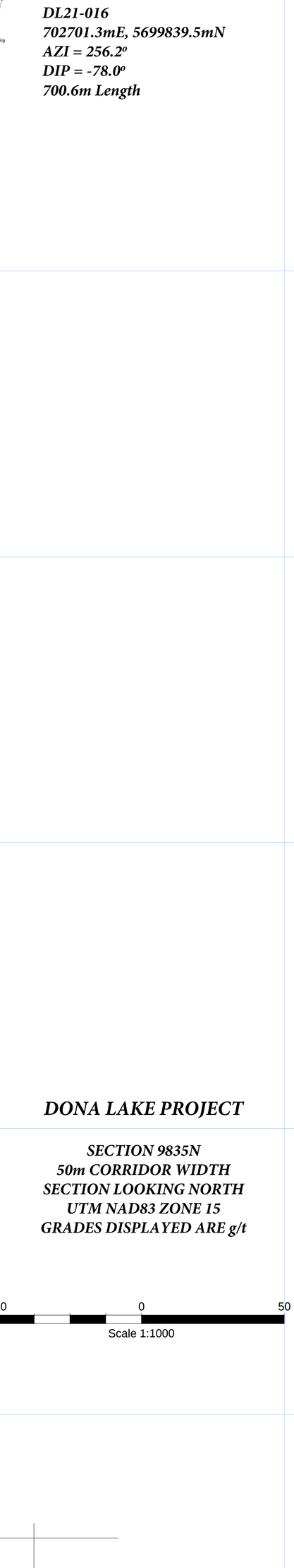
M.Dk Mafic Dike

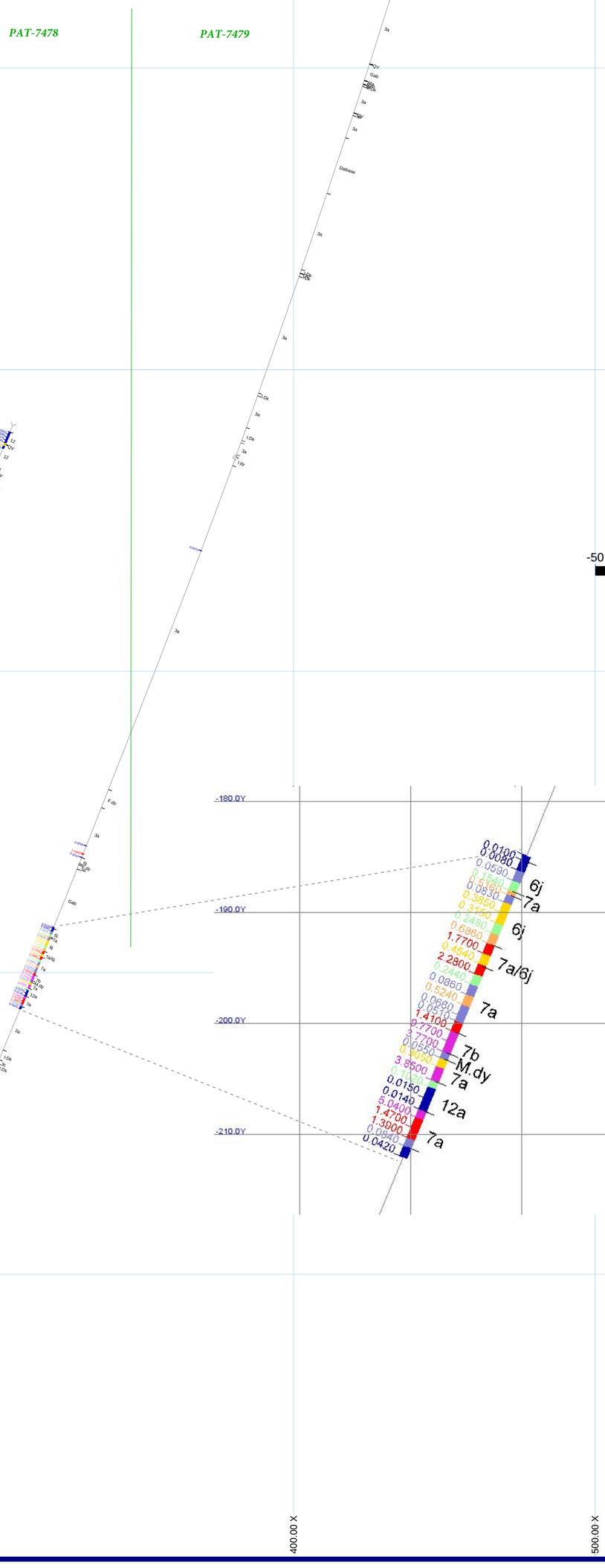
QV Quartz vein
SHR Shear
FLT Fault

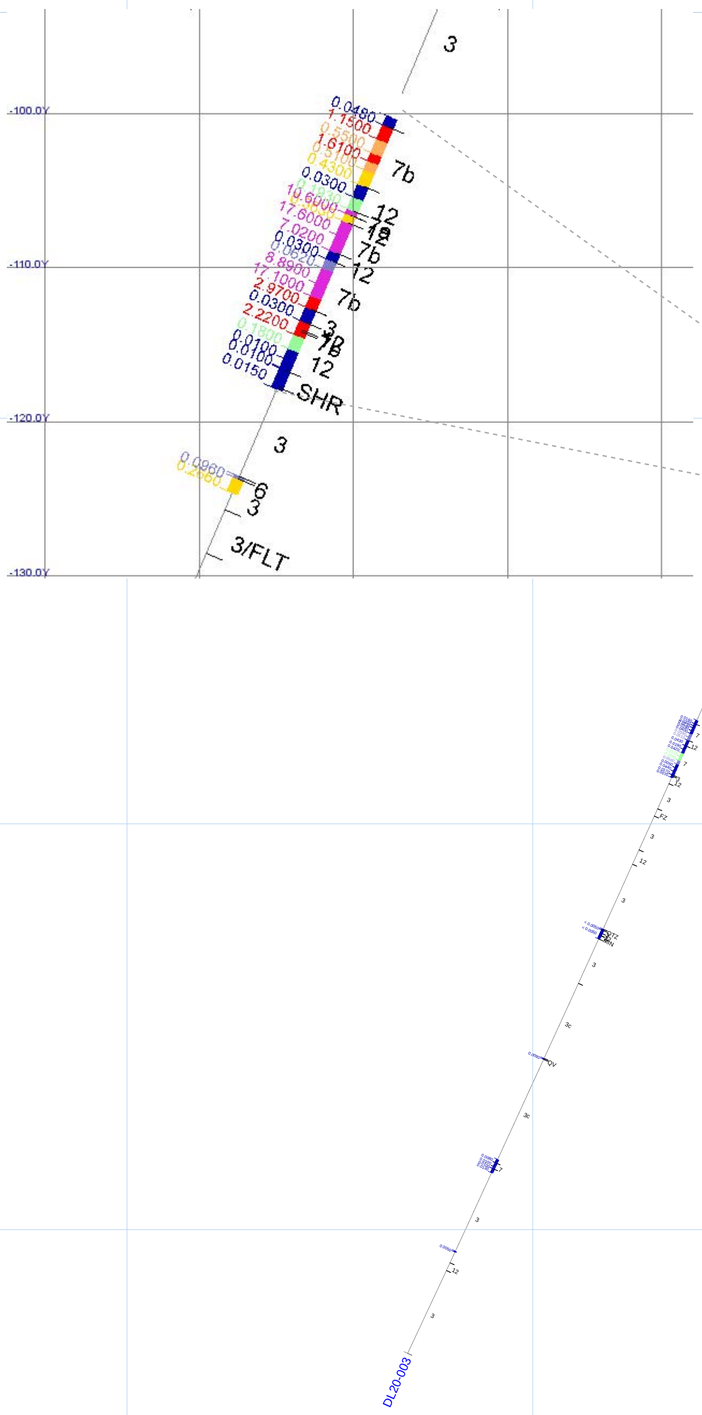
DL21-015
702700mE, 5699840mN
AZI = 262.9°
DIP = -77.7°
138.05m Length

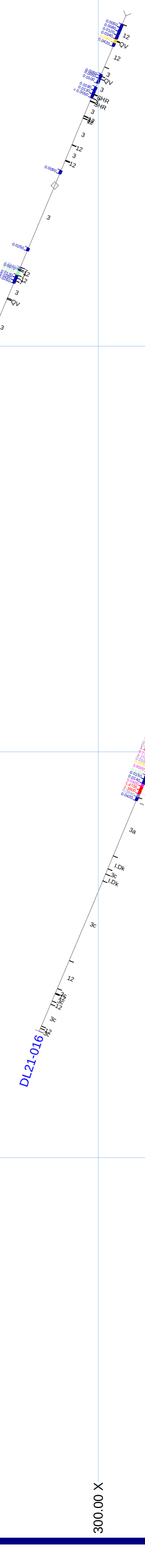
DL21-016
702701.3mE, 5699839.5mN
AZI = 256.2°
DIP = -78.0°
700.6m Length









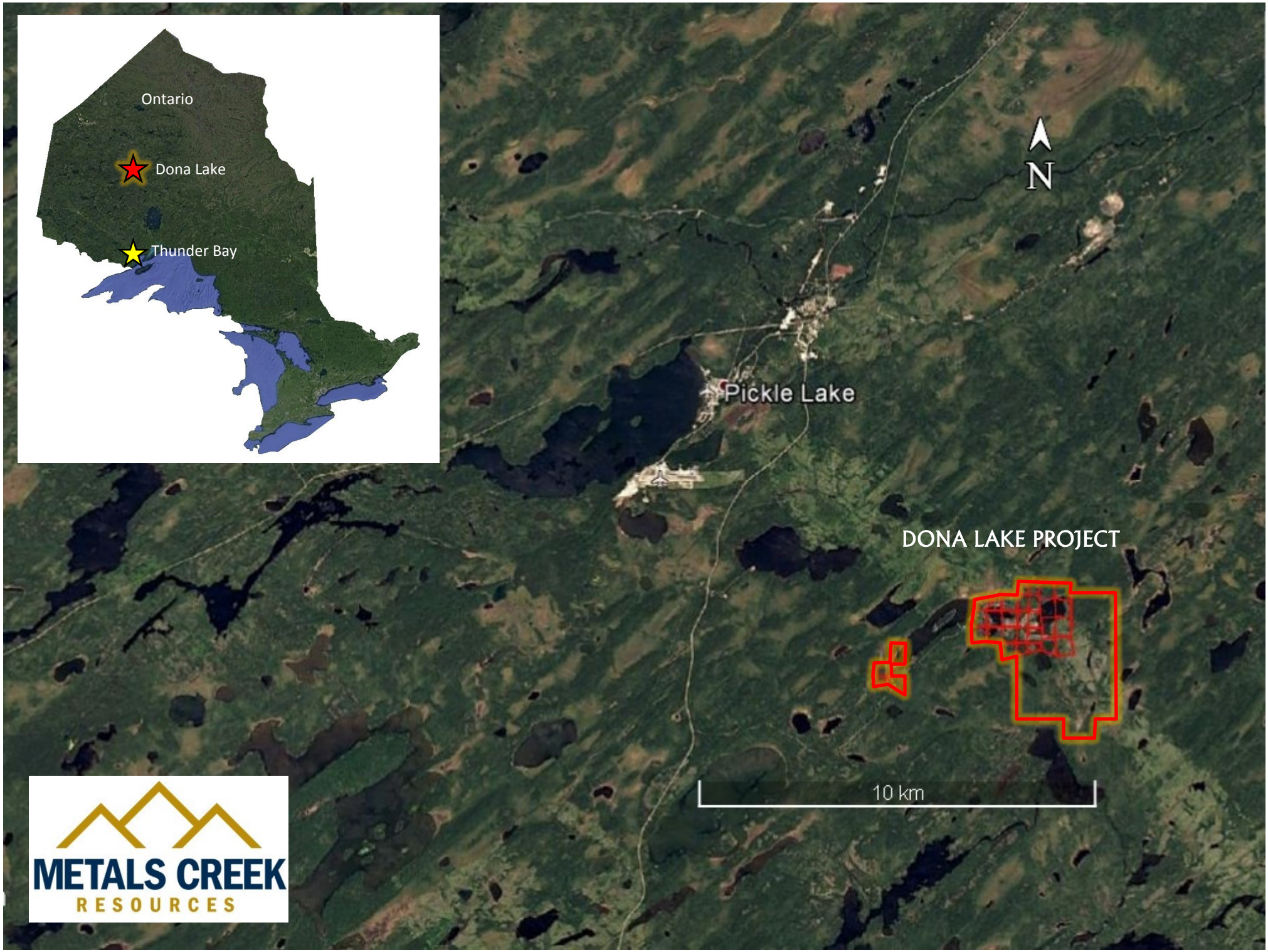


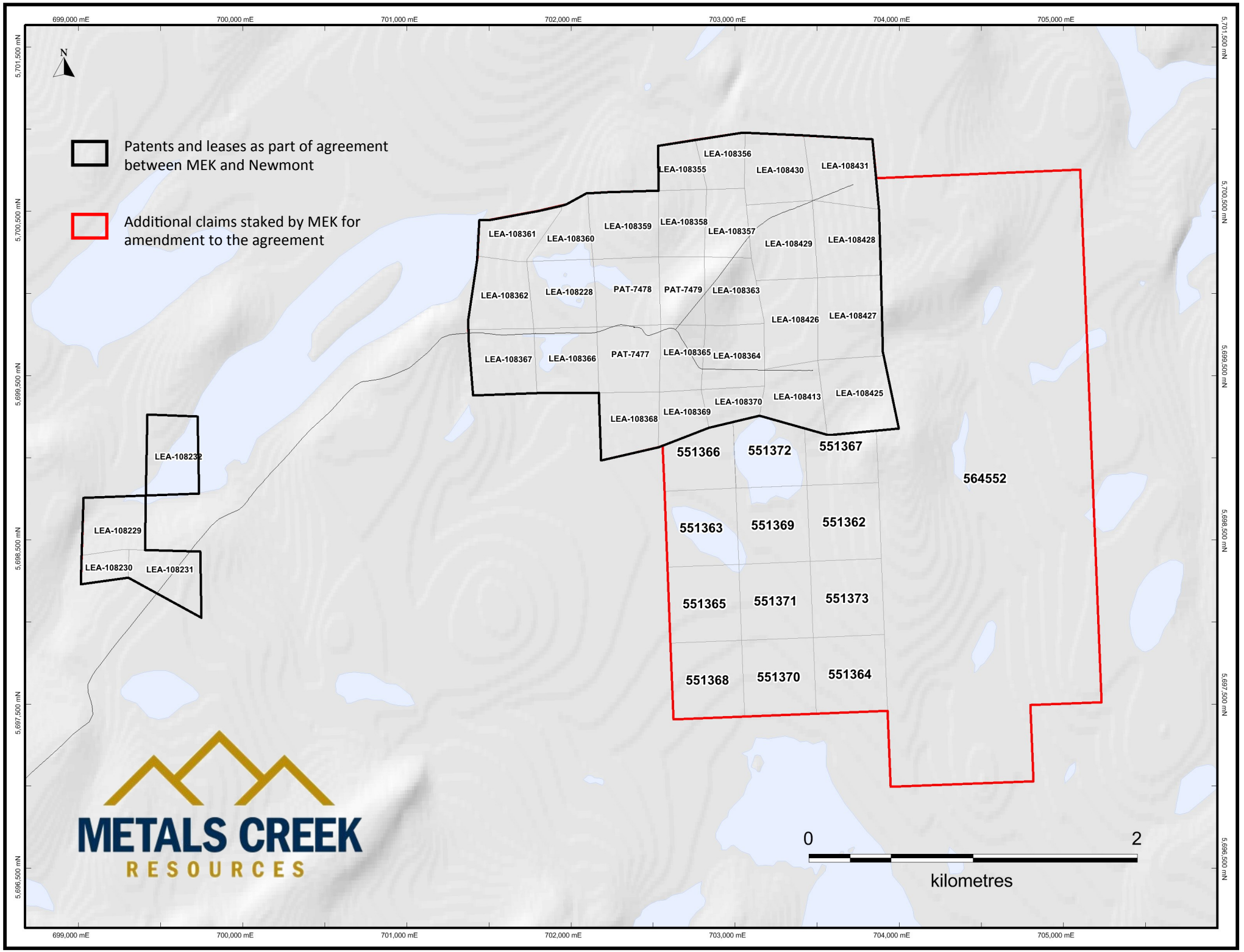
DONA LAKE PROJECT

SECTION 9835N
50m CORRIDOR WIDTH
SECTION LOOKING NORTH
UTM NAD83 ZONE 15
GRADES DISPLAYED ARE g/t

-50 0 50
Scale 1:1000

METALS CREEK RESOURCES


Ontario
Dona Lake
Thunder Bay
N
Pickle Lake
DONA LAKE PROJECT
10 km
METALS CREEK
RESOURCES


699,000 mE
700,000 mE
701,000 mE
702,000 mE
703,000 mE
704,000 mE
705,000 mE
5,701,500 mN
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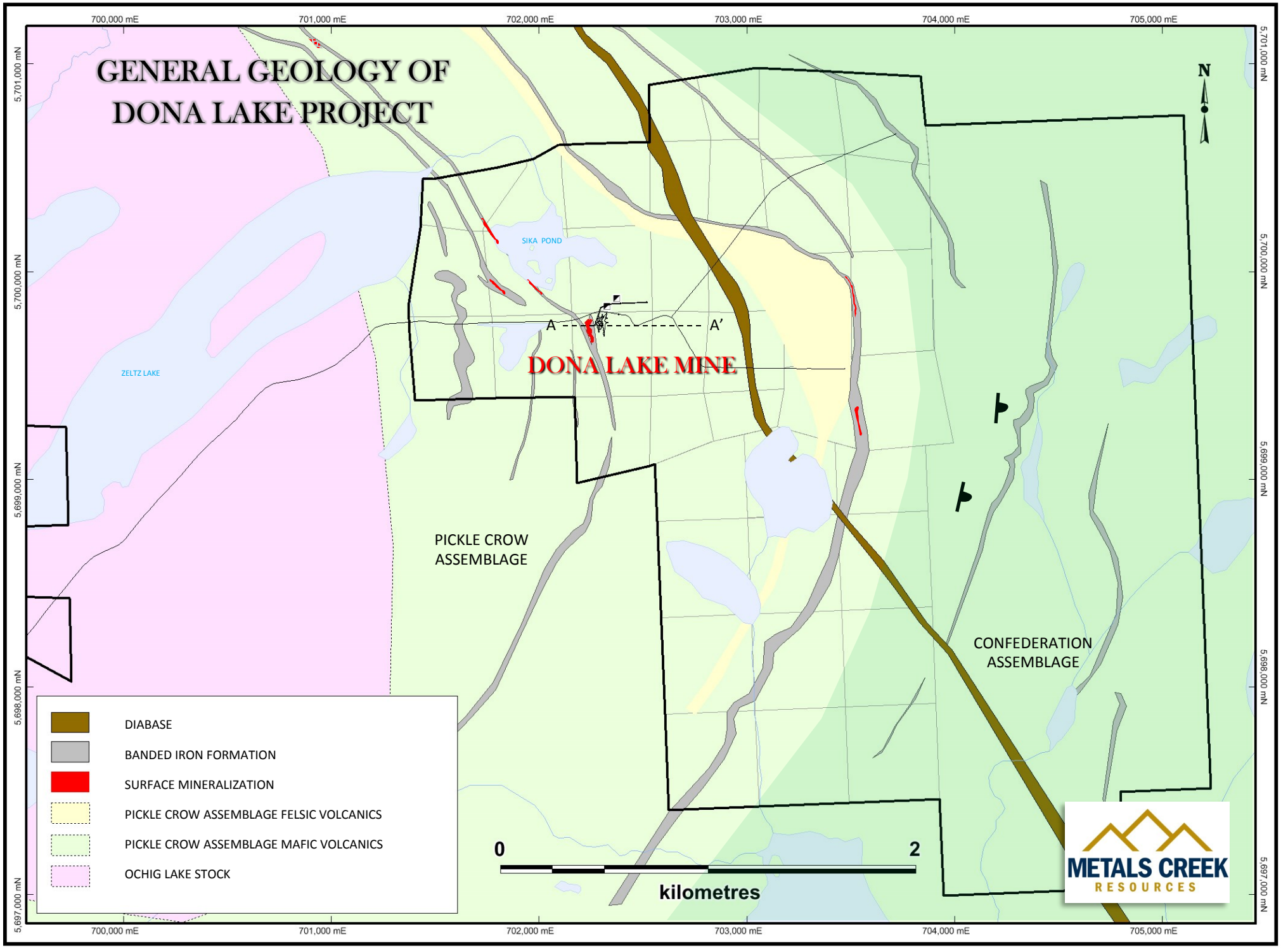
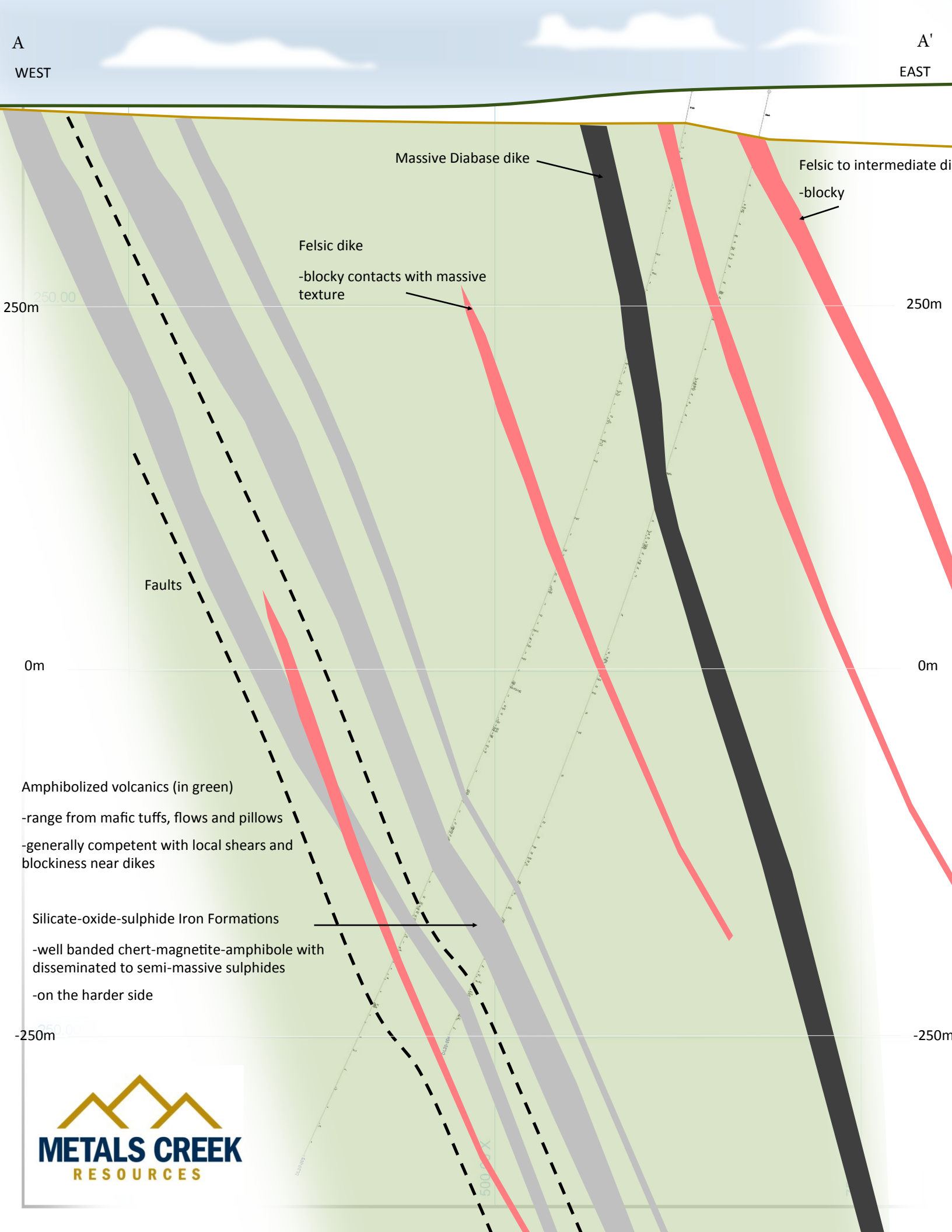
5,698,500 mN
5,697,500 mN
5,696,500 mN
N
Patents and leases as part of agreement between MEK and Newmont
Additional claims staked by MEK for amendment to the agreement
LEA-108356
LEA-108355
LEA-108430
LEA-108431
LEA-108361
LEA-108360
LEA-108359
LEA-108358
LEA-108357
LEA-108429
LEA-108428
LEA-108362
LEA-108228
PAT-7478
PAT-7479
LEA-108363
LEA-108426
LEA-108427
LEA-108367
LEA-108366
PAT-7477
LEA-108365
LEA-108364
LEA-108370
LEA-108413
LEA-108425
LEA-108368
LEA-108369
LEA-108232
LEA-108229
LEA-108230
LEA-108231
551366
551372
551367
564552
551363
551369
551362
551365
551371
551373
551368
551370
551364
METALS CREEK
RESOURCES
0
2
kilometres


GENERAL GEOLOGY OF
DONA LAKE PROJECT
700,000 mE
701,000 mE
702,000 mE
703,000 mE
704,000 mE
705,000 mE
5,701,000 mN
5,700,000 mN
5,699,000 mN
5,698,000 mN
5,697,000 mN
N
SIKA POND
ZELTZ LAKE
A
A'
DONA LAKE MINE
PICKLE CROW
ASSEMBLAGE
CONFEDERATION
ASSEMBLAGE
DIABASE
BANDED IRON FORMATION
SURFACE MINERALIZATION
PICKLE CROW ASSEMBLAGE FELSIC VOLCANICS
PICKLE CROW ASSEMBLAGE MAFIC VOLCANICS
OCHIG LAKE STOCK
0
2
kilometres
METALS CREEK
RESOURCES


A
WEST
A'
EAST
Massive Diabase dike
Felsic to intermediate di
-blocky
Felsic dike
-blocky contacts with massive texture
250m
250m
Faults
0m
0m
Amphibolized volcanics (in green)
-range from mafic tuffs, flows and pillows
-generally competent with local shears and blockiness near dikes
Silicate-oxide-sulphide Iron Formations
-well banded chert-magnetite-amphibole with disseminated to semi-massive sulphides
-on the harder side
-250m
-250m
METALS CREEK
RESOURCES

APPENDIX III

Laboratory Certificates of Analysis

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-08501**
Report Date: **20-Aug-20**
Date Submitted: **29-Jul-20**
Your Reference: **Dona**

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

40 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2020-08-05 20:43:16
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2020-08-07 12:12:59
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2020-08-11 18:24:55

REPORT **A20-08501**

Notes:

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

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: Sample DL-20-023 was insufficient for any further analysis

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
DL-20-001	10	0.3	< 0.5	90	829	< 1	88	7	180	3.54	3	< 10	45	< 0.5	3	3.41	34	93	5.95	< 10	2	0.26	< 10
DL-20-002	72	1.2	4.7	343	1910	3	82	17	2140	2.09	< 2	< 10	12	< 0.5	< 2	0.57	61	51	11.2	< 10	< 1	0.23	14
DL-20-003	6	0.3	< 0.5	40	364	< 1	11	29	159	1.04	< 2	< 10	45	< 0.5	< 2	0.27	12	15	2.50	< 10	< 1	0.26	19
DL-20-004	42	1.6	4.7	342	1760	4	79	27	2070	1.56	2	< 10	16	0.5	4	0.31	68	29	10.7	< 10	2	0.13	10
DL-20-005	27	1.3	2.3	222	661	11	77	19	1020	2.10	< 2	< 10	20	0.7	< 2	0.49	66	39	9.93	< 10	1	0.22	12
DL-20-006	18	1.3	1.6	247	478	42	67	61	652	2.00	< 2	< 10	25	0.5	4	0.64	53	37	8.28	< 10	2	0.19	< 10
DL-20-007	17	< 0.2	< 0.5	167	772	< 1	82	< 2	42	3.52	< 2	< 10	11	< 0.5	3	1.89	34	133	6.58	< 10	1	0.09	< 10
DL-20-008	14	< 0.2	< 0.5	126	906	< 1	104	< 2	80	3.84	< 2	< 10	12	< 0.5	< 2	2.03	32	102	7.11	< 10	1	0.07	< 10
DL-20-009	99	1.7	0.9	629	546	4	78	34	384	1.34	< 2	< 10	10	< 0.5	< 2	0.70	65	38	13.8	< 10	2	0.05	25
DL-20-010	28	0.7	2.1	239	893	12	48	16	659	2.37	< 2	< 10	17	0.5	< 2	1.36	35	66	10.2	< 10	< 1	0.09	11
DL-20-011	143	2.4	2.5	430	763	3	118	20	768	1.58	3	< 10	< 10	< 0.5	3	0.71	115	23	20.9	< 10	< 1	0.05	10
DL-20-012	23	1.0	2.6	266	866	2	53	33	1020	2.46	< 2	< 10	29	< 0.5	3	0.98	46	106	10.5	10	2	0.18	16
DL-20-013	27	0.8	1.6	119	1320	2	31	11	647	1.31	< 2	< 10	31	< 0.5	< 2	1.63	22	20	10.6	< 10	< 1	0.15	< 10
DL-20-014	< 5	< 0.2	< 0.5	1	86	< 1	< 1	< 2	14	4.71	< 2	< 10	< 10	< 0.5	2	0.17	< 1	2	0.46	< 10	< 1	1.38	< 10
DL-20-015	113	0.6	0.7	67	1030	< 1	18	6	222	0.77	< 2	< 10	10	< 0.5	2	3.90	11	14	13.3	< 10	< 1	0.04	< 10
DL-20-016	197	0.3	< 0.5	14	438	< 1	10	5	115	1.28	< 2	< 10	69	0.5	< 2	2.65	4	19	9.28	< 10	< 1	0.27	13
DL-20-017	3710	1.0	< 0.5	46	451	< 1	22	6	35	0.95	< 2	< 10	24	< 0.5	< 2	1.69	8	13	9.36	< 10	1	0.15	13
DL-20-018	300	< 0.2	< 0.5	32	615	< 1	10	7	68	1.75	< 2	< 10	70	< 0.5	< 2	2.34	8	5	12.5	< 10	1	0.20	13
DL-20-019	204	< 0.2	< 0.5	13	407	< 1	9	3	55	0.49	4	< 10	32	0.6	< 2	2.31	2	6	15.3	< 10	< 1	0.06	< 10
DL-20-020	79	0.2	0.5	53	829	< 1	24	11	264	2.51	< 2	< 10	81	0.5	3	3.27	14	43	8.67	< 10	< 1	0.28	14
DL-20-021	784	0.4	2.7	75	745	2	54	7	709	2.58	< 2	< 10	88	0.5	2	2.13	15	108	10.2	< 10	2	0.40	18
DL-20-022	231	0.3	2.6	45	587	1	29	5	799	1.48	< 2	< 10	49	< 0.5	< 2	3.80	8	53	11.0	< 10	2	0.17	10
DL-20-023		0.6	< 0.5	128	1110	< 1	135	17	67	4.14	1570	< 10	68	< 0.5	< 2	5.61	29	189	5.71	< 10	< 1	0.56	< 10
DL-20-024	251	0.5	0.8	88	609	< 1	25	2	362	1.36	8	< 10	32	< 0.5	< 2	2.43	7	10	15.9	< 10	< 1	0.15	< 10
DL-20-025	354	0.3	< 0.5	41	310	< 1	16	3	84	0.38	2	< 10	15	< 0.5	6	2.08	5	8	15.3	< 10	2	0.04	< 10
DL-20-026	378	0.4	< 0.5	62	279	< 1	17	2	66	0.68	< 2	< 10	37	< 0.5	3	2.20	6	7	13.9	< 10	< 1	0.08	< 10
DL-20-027	70	0.3	< 0.5	56	384	< 1	28	7	82	1.70	< 2	< 10	56	< 0.5	< 2	1.87	13	55	8.52	< 10	2	0.17	< 10
DL-20-028	100	0.5	< 0.5	69	280	< 1	28	3	55	0.68	2	< 10	41	< 0.5	< 2	1.29	9	16	15.8	< 10	< 1	0.07	< 10
DL-20-029	461	0.5	< 0.5	77	621	1	22	4	56	0.97	3	< 10	30	0.5	< 2	0.92	13	19	14.7	< 10	< 1	0.08	< 10
DL-20-030	222	0.3	< 0.5	55	686	2	25	7	84	1.98	< 2	< 10	43	0.6	< 2	2.24	13	50	12.2	< 10	2	0.18	13
DL-20-031	2850	0.9	< 0.5	72	375	< 1	12	17	59	0.32	3	< 10	< 10	< 0.5	2	1.30	8	6	16.6	< 10	< 1	0.05	< 10
DL-20-032	< 5	< 0.2	< 0.5	< 1	88	< 1	< 1	< 2	13	4.67	< 2	10	< 10	< 0.5	< 2	0.18	< 1	2	0.46	< 10	< 1	1.29	< 10
DL-20-033	90	0.5	< 0.5	138	495	< 1	17	4	59	0.64	4	< 10	18	< 0.5	2	1.23	13	5	19.6	< 10	< 1	0.08	< 10
DL-20-034	37	0.5	< 0.5	134	839	< 1	16	< 2	166	0.30	5	< 10	13	< 0.5	< 2	2.88	8	10	18.4	< 10	< 1	0.03	< 10
DL-20-035	28	< 0.2	< 0.5	56	821	< 1	91	< 2	99	3.57	< 2	< 10	20	< 0.5	3	1.79	28	105	7.41	< 10	1	0.10	< 10
DL-20-036	47	< 0.2	< 0.5	187	719	< 1	14	< 2	51	2.72	< 2	< 10	< 10	< 0.5	< 2	2.65	33	3	7.64	10	< 1	0.07	< 10
DL-20-037	265	0.4	< 0.5	181	1010	< 1	19	< 2	67	2.45	< 2	< 10	59	< 0.5	3	2.70	41	4	9.33	< 10	2	0.37	< 10
DL-20-038	171	0.3	< 0.5	212	971	< 1	14	< 2	74	2.31	< 2	< 10	< 10	< 0.5	< 2	2.88	41	3	8.73	10	< 1	0.10	< 10
DL-20-039	39	0.2	< 0.5	206	910	< 1	14	< 2	64	2.61	< 2	< 10	< 10	< 0.5	< 2	2.99	36	4	8.02	10	< 1	0.06	< 10
DL-20-040	58	< 0.2	< 0.5	194	989	< 1	23	< 2	60	2.69	< 2	< 10	< 10	< 0.5	2	3.47	35	4	7.73	10	2	0.06	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
DL-20-001	2.04	0.113	0.041	1.02	< 2	14	41	0.22	< 20	2	< 2	< 10	123	< 10	8	5	
DL-20-002	1.37	0.049	0.048	5.32	6	8	8	0.16	< 20	2	< 2	< 10	66	< 10	9	28	
DL-20-003	0.56	0.088	0.039	0.87	< 2	2	8	0.08	< 20	< 1	< 2	< 10	19	< 10	4	29	
DL-20-004	1.06	0.031	0.021	5.75	5	4	6	0.09	< 20	3	< 2	< 10	42	< 10	8	29	
DL-20-005	1.33	0.034	0.033	5.61	3	7	17	0.10	< 20	< 1	< 2	< 10	46	< 10	9	54	
DL-20-006	1.29	0.032	0.040	4.41	3	5	11	0.11	< 20	< 1	< 2	< 10	35	< 10	8	45	
DL-20-007	3.49	0.125	0.023	0.51	< 2	18	10	0.18	< 20	< 1	< 2	< 10	162	< 10	8	4	
DL-20-008	3.97	0.087	0.021	0.09	2	18	15	0.20	< 20	3	< 2	< 10	160	< 10	9	3	
DL-20-009	0.99	0.045	0.025	8.19	3	5	8	0.06	< 20	2	< 2	< 10	34	< 10	9	23	
DL-20-010	2.10	0.116	0.037	3.31	4	7	11	0.12	< 20	< 1	< 2	< 10	64	< 10	9	28	
DL-20-011	1.30	0.077	0.016	12.6	8	4	6	0.06	< 20	4	< 2	< 10	34	< 10	7	30	
DL-20-012	2.06	0.087	0.049	3.58	3	8	16	0.18	< 20	2	< 2	< 10	80	< 10	8	33	
DL-20-013	0.55	0.074	0.039	3.43	5	2	21	0.06	< 20	< 1	< 2	< 10	20	< 10	7	27	
DL-20-014	0.04	2.98	0.001	0.01	< 2	< 1	15	< 0.01	< 20	2	< 2	< 10	< 1	< 10	2	< 1	
DL-20-015	0.24	0.036	0.074	2.00	4	< 1	71	0.02	< 20	3	< 2	< 10	11	< 10	6	11	
DL-20-016	0.67	0.066	0.061	0.37	4	1	39	0.05	< 20	5	< 2	< 10	15	< 10	5	10	
DL-20-017	0.51	0.065	0.066	2.87	3	1	33	0.04	< 20	1	< 2	< 10	7	< 10	6	24	3.94
DL-20-018	1.10	0.081	0.083	0.87	4	4	39	0.14	< 20	1	< 2	< 10	55	< 10	8	17	
DL-20-019	0.22	0.062	0.069	0.56	5	< 1	44	0.02	< 20	< 1	< 2	< 10	8	< 10	5	8	
DL-20-020	1.90	0.080	0.086	0.56	3	7	46	0.21	< 20	1	< 2	< 10	92	< 10	8	15	
DL-20-021	1.98	0.093	0.099	1.17	3	6	51	0.20	< 20	< 1	< 2	< 10	77	< 10	8	27	
DL-20-022	0.75	0.096	0.075	1.05	5	2	65	0.08	< 20	< 1	< 2	< 10	21	< 10	5	16	
DL-20-023	2.78	0.124	0.022	0.61	23	16	75	0.07	< 20	< 1	< 2	< 10	163	17	5	4	2.89
DL-20-024	0.49	0.111	0.066	1.64	6	2	35	0.05	< 20	4	< 2	< 10	19	< 10	5	14	
DL-20-025	0.25	0.058	0.076	1.07	6	< 1	30	0.02	< 20	1	< 2	< 10	9	< 10	4	7	
DL-20-026	0.32	0.081	0.079	1.33	6	1	48	0.03	< 20	4	< 2	< 10	17	< 10	5	9	
DL-20-027	1.12	0.153	0.073	1.32	4	5	30	0.12	< 20	2	< 2	< 10	51	< 10	5	12	
DL-20-028	0.29	0.078	0.072	1.69	6	1	25	0.03	< 20	< 1	< 2	< 10	16	< 10	4	9	
DL-20-029	0.34	0.089	0.073	1.89	5	2	23	0.05	< 20	2	< 2	< 10	25	< 10	4	15	
DL-20-030	0.90	0.111	0.078	1.21	4	4	24	0.16	< 20	3	< 2	< 10	62	< 10	6	24	
DL-20-031	0.28	0.087	0.065	2.04	6	< 1	16	0.01	< 20	2	< 2	< 10	7	< 10	3	6	2.78
DL-20-032	0.03	2.85	0.001	< 0.01	< 2	< 1	16	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	2	1	
DL-20-033	0.47	0.079	0.084	1.78	8	< 1	15	0.03	< 20	< 1	< 2	< 10	15	< 10	4	8	
DL-20-034	0.33	0.053	0.076	1.45	6	< 1	31	0.01	< 20	< 1	< 2	< 10	13	< 10	3	5	
DL-20-035	3.23	0.131	0.017	0.01	2	13	11	0.23	< 20	2	< 2	< 10	121	< 10	5	3	
DL-20-036	1.44	0.338	0.059	0.48	< 2	27	11	0.25	< 20	4	< 2	< 10	294	< 10	21	5	
DL-20-037	1.79	0.278	0.034	1.33	3	22	14	0.31	< 20	2	< 2	< 10	299	< 10	15	6	
DL-20-038	1.38	0.322	0.042	1.07	3	25	14	0.27	< 20	3	< 2	< 10	318	< 10	18	5	
DL-20-039	1.43	0.377	0.043	0.61	3	28	9	0.25	< 20	4	< 2	< 10	316	< 10	17	5	
DL-20-040	1.57	0.390	0.038	0.39	3	30	12	0.24	< 20	< 1	< 2	< 10	299	< 10	15	4	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2290	779	< 1	35	65	262	3.03	6		87	0.8	9	0.44	20	47	5.17	< 10		0.52	41
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4410	886	< 1	31	85	335	2.98	3		72	0.7	21	0.44	22	43	5.92	< 10		0.44	37
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 96 (Aqua Regia) Meas		10.8		> 10000				92	416						62		46						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 621 (Aqua Regia) Meas		70.7	290	3660	554	14	26	> 5000	> 10000	1.83	78			0.6	9	1.73	31	34	3.43	10	4	0.40	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas				343	177	1	225	11	28	7.52			141	1.1	2	0.07	37	339	13.9	20	< 1	0.11	12
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 238 (Fire Assay) Meas	3070																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	2980																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3160																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3180																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3130																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas	498																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	503																						
Oreas E1336 (Fire	510																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Cert																							
Oreas E1336 (Fire Assay) Meas	521																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	525																						
Oreas E1336 (Fire Assay) Cert	510																						
DL-20-006 Orig	16																						
DL-20-006 Dup	19																						
DL-20-010 Orig	30	0.7	2.4	238	901	13	47	16	657	2.40	< 2	< 10	18	0.5	< 2	1.38	35	66	10.2	10	2	0.10	11
DL-20-010 Dup	29	0.7	1.9	240	886	12	49	16	662	2.35	< 2	< 10	16	0.5	< 2	1.33	35	66	10.2	< 10	< 1	0.09	11
DL-20-017 Orig	3420																						
DL-20-017 Dup	4000																						
DL-20-019 Orig		0.2	< 0.5	13	407	< 1	9	3	55	0.48	3	< 10	32	0.6	4	2.31	2	6	15.3	< 10	< 1	0.06	< 10
DL-20-019 Dup		< 0.2	< 0.5	13	407	< 1	10	3	54	0.49	4	< 10	32	0.6	< 2	2.32	2	7	15.3	< 10	< 1	0.06	< 10
DL-20-020 Orig	79																						
DL-20-028 Orig	96																						
DL-20-028 Dup	103																						
DL-20-031 Orig	2910																						
DL-20-031 Dup	2790																						
DL-20-031 Orig	2750																						
DL-20-031 Dup	2800																						
DL-20-038 Orig		0.3	< 0.5	210	956	< 1	13	< 2	73	2.28	< 2	< 10	< 10	< 0.5	2	2.85	40	3	8.56	10	< 1	0.10	< 10
DL-20-038 Dup		0.3	< 0.5	214	985	< 1	15	2	75	2.34	< 2	< 10	11	< 0.5	< 2	2.91	41	3	8.89	10	< 1	0.10	< 10
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
OREAS 922 (AQUA REGIA) Meas	1.40	0.037	0.062	0.38	2	4	16		< 20		< 2	< 10	38	< 10	21	13	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 923 (AQUA REGIA) Meas	1.47		0.058	0.67	3	4	15		< 20		< 2	< 10	37	< 10	19	20	
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
Oreas 96 (Aqua Regia) Meas				3.93	7												
Oreas 96 (Aqua Regia) Cert				4.38	4.53												
Oreas 621 (Aqua Regia) Meas	0.45	0.179	0.033	4.72	120	3	19		< 20		< 2	< 10	13	< 10	8	68	
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0	
OREAS 229b (Fire Assay) Meas																	12.1
OREAS 229b (Fire Assay) Cert																	11.9
OREAS 45f (Aqua Regia) Meas	0.18	0.054	0.021	0.02		29	15	0.14	< 20		< 2	< 10	212		5	23	
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0	
OREAS 238 (Fire Assay) Meas																	3.06
OREAS 238 (Fire Assay) Cert																	3.03
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 257b (Fire Assay) Meas																	14.3
OREAS 257b (Fire Assay) Cert																	14.2
Oreas E1336 (Fire Assay) Meas																	0.52
Oreas E1336 (Fire Assay) Cert																	0.510
Oreas E1336 (Fire Assay) Meas																	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA
Oreas E1336 (Fire Assay) Cert																	
Oreas E1336 (Fire Assay) Meas																	
Oreas E1336 (Fire Assay) Cert																	
Oreas E1336 (Fire Assay) Meas																	
Oreas E1336 (Fire Assay) Cert																	
DL-20-006 Orig																	
DL-20-006 Dup																	
DL-20-010 Orig	2.12	0.122	0.037	3.31	5	7	11	0.12	< 20	1	< 2	< 10	64	< 10	9	29	
DL-20-010 Dup	2.09	0.111	0.037	3.31	4	7	10	0.12	< 20	< 1	< 2	< 10	64	< 10	9	28	
DL-20-017 Orig																	3.63
DL-20-017 Dup																	3.39
DL-20-019 Orig	0.22	0.062	0.069	0.57	5	< 1	43	0.02	< 20	< 1	< 2	< 10	8	< 10	5	8	
DL-20-019 Dup	0.22	0.062	0.069	0.56	5	< 1	44	0.02	< 20	2	< 2	< 10	8	< 10	5	8	
DL-20-020 Orig																	
DL-20-028 Orig																	
DL-20-028 Dup																	
DL-20-031 Orig																	2.80
DL-20-031 Dup																	2.77
DL-20-031 Orig																	
DL-20-031 Dup																	
DL-20-038 Orig	1.36	0.317	0.042	1.06	4	25	13	0.26	< 20	4	< 2	< 10	311	< 10	18	5	
DL-20-038 Dup	1.40	0.327	0.043	1.08	3	26	14	0.27	< 20	2	< 2	< 10	324	< 10	18	6	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	< 0.03
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	2	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank																	
Method Blank																	
Method Blank																	< 0.03

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-08615**
Report Date: **20-Aug-20**
Date Submitted: **30-Jul-20**
Your Reference: **Dona**

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

50 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2020-08-05 20:43:16
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2020-08-07 12:13:16
1A4 (100mesh)-Tbay	QOP AA-Au (Au-Fire Assay-Metallic Screen-500g)	2020-08-07 12:11:06
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2020-08-11 18:24:55

REPORT **A20-08615**

Notes:

A representative 500 gram split is seived at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

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

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: Sample DL-20-02-042 has variable gold.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
DL-20-02-01	20	0.2	< 0.5	150	756	< 1	80	< 2	52	3.64	< 2	< 10	12	< 0.5	2	3.86	28	102	5.45	< 10	< 1	0.08	< 10
DL-20-02-02	45	1.2	2.2	252	1070	2	114	16	906	1.94	< 2	< 10	20	0.6	< 2	1.86	85	36	11.9	< 10	2	0.19	11
DL-20-02-03	15	0.6	1.2	134	556	1	40	17	605	2.26	< 2	< 10	49	0.5	< 2	1.22	37	31	5.26	< 10	< 1	0.34	18
DL-20-02-04	12	0.4	< 0.5	199	464	< 1	14	14	92	1.19	< 2	< 10	56	< 0.5	< 2	0.50	14	15	3.12	< 10	< 1	0.29	12
DL-20-02-05	20	1.1	< 0.5	268	723	3	93	22	153	2.36	< 2	< 10	19	< 0.5	3	1.27	68	105	8.25	< 10	< 1	0.12	24
DL-20-02-06	7	< 0.2	< 0.5	133	542	< 1	73	< 2	55	3.35	< 2	< 10	41	< 0.5	< 2	3.51	29	101	4.47	< 10	2	0.21	< 10
DL-20-02-07	15	0.2	< 0.5	171	596	< 1	91	2	79	2.71	< 2	< 10	33	< 0.5	< 2	2.86	30	95	5.31	< 10	< 1	0.17	< 10
DL-20-02-08	102	2.1	< 0.5	579	331	2	157	8	121	1.44	< 2	< 10	12	< 0.5	5	0.34	103	56	28.9	< 10	< 1	0.10	< 10
DL-20-02-09	12	0.3	< 0.5	231	379	3	17	5	27	0.29	< 2	< 10	< 10	< 0.5	< 2	2.52	22	22	3.93	< 10	< 1	0.01	< 10
DL-20-02-010	53	2.5	< 0.5	542	388	3	136	10	204	1.36	4	< 10	< 10	< 0.5	3	0.34	90	52	26.0	10	< 1	0.09	23
DL-20-02-011	< 5	< 0.2	< 0.5	1	70	< 1	< 1	< 2	11	4.61	< 2	< 10	< 10	< 0.5	< 2	0.17	< 1	< 1	0.33	< 10	< 1	1.32	< 10
DL-20-02-012	30	1.8	7.8	588	255	3	62	51	2810	1.24	< 2	< 10	12	0.6	< 2	0.21	60	34	12.2	< 10	1	0.17	18
DL-20-02-013	27	1.8	7.6	481	248	3	66	42	2900	1.24	< 2	< 10	13	0.5	< 2	0.22	66	32	12.6	< 10	< 1	0.23	17
DL-20-02-014	81	0.5	1.2	86	729	3	45	14	542	2.65	< 2	< 10	56	0.8	3	1.56	20	114	7.89	< 10	< 1	0.54	16
DL-20-02-015	32	0.4	0.9	78	412	3	16	10	263	1.49	< 2	< 10	60	< 0.5	< 2	0.45	12	24	4.46	< 10	< 1	0.42	31
DL-20-02-016	18	0.6	1.9	165	997	1	34	8	371	2.23	< 2	< 10	22	< 0.5	< 2	3.86	17	24	9.76	< 10	2	0.65	12
DL-20-02-017	92	0.5	0.7	133	940	< 1	26	7	142	0.96	< 2	< 10	69	< 0.5	< 2	6.24	9	22	10.6	< 10	1	0.20	< 10
DL-20-02-018	1140	0.5	< 0.5	34	597	< 1	11	3	101	0.61	4	< 10	72	< 0.5	5	2.83	4	7	16.4	< 10	< 1	0.10	< 10
DL-20-02-019	3460	2.4	< 0.5	141	598	< 1	20	4	79	1.50	2	< 10	47	0.6	4	2.95	10	6	12.1	< 10	1	0.17	10
DL-20-02-020	4790	0.7	< 0.5	95	398	< 1	13	5	29	0.18	< 2	< 10	14	< 0.5	< 2	3.05	6	6	13.8	< 10	2	0.02	< 10
DL-20-02-021	> 5000	6.1	< 0.5	391	473	< 1	67	7	41	0.61	3	< 10	15	< 0.5	< 2	2.25	40	7	17.4	< 10	< 1	0.05	< 10
DL-20-02-022	4060	1.0	< 0.5	135	557	< 1	20	4	44	0.57	2	< 10	23	< 0.5	< 2	2.74	8	8	13.8	< 10	2	0.05	< 10
DL-20-02-023	1460	0.4	< 0.5	158	670	< 1	23	4	72	0.63	< 2	< 10	29	< 0.5	4	2.09	10	7	14.0	< 10	1	0.07	< 10
DL-20-02-024	1180	0.5	< 0.5	87	1580	< 1	18	6	151	0.53	5	< 10	45	< 0.5	3	3.70	6	12	16.8	< 10	< 1	0.05	< 10
DL-20-02-025	277	0.3	< 0.5	47	946	< 1	17	< 2	136	0.42	3	< 10	41	< 0.5	3	2.52	3	8	20.3	< 10	< 1	0.07	< 10
DL-20-02-026	345	0.3	< 0.5	43	620	< 1	11	3	55	0.24	5	< 10	31	< 0.5	9	2.61	3	5	17.6	< 10	< 1	0.03	< 10
DL-20-02-027	1470	24.1	144	1650	237	6	15	3310	> 10000	1.39	786	11	< 10	< 0.5	5	0.13	7	233	10.7	< 10	18	0.44	20
DL-20-02-028	263	0.6	< 0.5	210	891	< 1	25	11	202	1.06	2	< 10	30	< 0.5	< 2	1.80	15	14	11.9	< 10	2	0.07	< 10
DL-20-02-029	200	1.4	0.5	321	1460	< 1	52	8	272	2.51	3	< 10	13	< 0.5	3	1.82	18	63	16.0	< 10	< 1	0.15	< 10
DL-20-02-030	157	0.5	0.5	94	955	2	20	5	411	3.25	< 2	< 10	46	< 0.5	< 2	0.69	8	14	12.5	< 10	3	0.22	< 10
DL-20-02-031	222	0.7	< 0.5	82	485	3	7	5	175	1.44	< 2	< 10	36	< 0.5	< 2	0.60	4	16	5.23	< 10	1	0.13	18
DL-20-02-032	447	< 0.2	< 0.5	19	161	3	5	4	23	0.40	< 2	< 10	10	< 0.5	< 2	0.32	4	24	1.99	< 10	< 1	< 0.01	< 10
DL-20-02-033	486	0.5	< 0.5	120	435	1	13	10	59	1.42	< 2	< 10	19	< 0.5	< 2	0.37	13	8	5.71	< 10	< 1	0.07	25
DL-20-02-034	1580	0.9	< 0.5	175	622	< 1	35	3	66	0.83	< 2	< 10	12	< 0.5	< 2	1.89	19	9	12.1	< 10	< 1	0.07	< 10
DL-20-02-035	486	0.7	< 0.5	36	736	< 1	23	6	31	0.86	< 2	< 10	35	< 0.5	3	6.73	8	8	10.7	< 10	2	0.07	11
DL-20-02-036	< 5	< 0.2	< 0.5	< 1	74	< 1	< 1	< 2	12	4.70	< 2	< 10	< 10	< 0.5	< 2	0.18	< 1	< 1	0.36	< 10	< 1	1.30	< 10
DL-20-02-037	< 5	< 0.2	< 0.5	13	735	< 1	17	4	83	3.10	< 2	< 10	286	0.5	2	3.16	18	39	5.59	10	< 1	0.68	19
DL-20-02-038	12	0.3	< 0.5	52	232	< 1	12	< 2	57	0.26	3	< 10	15	< 0.5	4	1.37	3	5	22.9	< 10	< 1	0.04	< 10
DL-20-02-039	54	< 0.2	< 0.5	113	548	< 1	25	< 2	48	2.25	< 2	< 10	15	< 0.5	< 2	1.63	30	32	5.80	< 10	< 1	0.05	< 10
DL-20-02-040	4100	0.9	< 0.5	124	1280	< 1	156	14	99	3.89	1610	< 10	59	< 0.5	< 2	6.25	31	214	5.90	< 10	< 1	0.50	< 10
DL-20-02-041	2860	0.5	< 0.5	60	561	< 1	13	< 2	58	0.51	4	< 10	11	< 0.5	3	1.73	3	10	19.6	< 10	< 1	0.05	< 10
DL-20-02-042	> 5000	0.9	< 0.5	154	981	< 1	22	4	104	0.82	4	< 10	16	< 0.5	< 2	2.45	17	12	17.2	< 10	< 1	0.08	< 10
DL-20-02-043	9	< 0.2	< 0.5	11	740	< 1	6	10	86	5.00	< 2	< 10	359	1.0	< 2	2.74	18	8	5.84	10	1	1.70	29
DL-20-02-044	2280	0.5	< 0.5	60	905	< 1	18	3	93	0.69	3	< 10	20	< 0.5	< 2	2.79	4	11	16.6	< 10	< 1	0.15	< 10
DL-20-02-045	10	< 0.2	< 0.5	< 1	438	1	7	10	65	3.78	< 2	< 10	170	1.5	< 2	2.15	7	8	2.81	< 10	< 1	0.82	25
DL-20-02-046	1160	0.3	< 0.5	63	1110	1	27	6	252	1.61	< 2	< 10	39	< 0.5	2	2.10	10	20	13.5	< 10	2	0.30	< 10
DL-20-02-047	155	0.3	< 0.5	48	890	< 1	30	15	100	4.99	< 2	< 10	590	1.6	< 2	4.48	18	55	6.18	10	2	2.16	25
DL-20-02-048	170	0.4	< 0.5	55	402	< 1	18	< 2	70	0.51	5	< 10	19	< 0.5	3	1.96	4	10	24.2	< 10	< 1	0.09	< 10
DL-20-02-049	4390	1.1	< 0.5	240	408	< 1	23	< 2	57	1.01	2	< 10	40	< 0.5	3	1.82	11	14	20.3	< 10	< 1	0.14	< 10
DL-20-02-050	22	< 0.2	< 0.5	7	404	< 1	36	2	34	1.78	< 2	< 10	83	< 0.5	< 2	1.73	15	52	2.78	< 10	< 1	0.19	10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	0.03	0.03	0.03		
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
DL-20-02-01	2.15	0.187	0.023	0.15	< 2	16	32	0.17	< 20	1	< 2	< 10	137	< 10	8	2							
DL-20-02-02	0.83	0.056	0.040	6.92	4	6	22	0.11	< 20	2	< 2	< 10	48	< 10	10	17							
DL-20-02-03	1.22	0.078	0.056	2.16	< 2	7	33	0.16	< 20	4	< 2	< 10	61	< 10	8	35							
DL-20-02-04	0.60	0.107	0.034	1.08	< 2	2	16	0.09	< 20	< 1	< 2	< 10	21	< 10	3	35							
DL-20-02-05	1.74	0.036	0.052	3.89	3	8	22	0.15	< 20	2	< 2	< 10	56	< 10	11	33							
DL-20-02-06	1.93	0.161	0.024	0.19	< 2	15	36	0.20	< 20	3	< 2	< 10	122	< 10	8	2							
DL-20-02-07	1.91	0.246	0.028	0.62	< 2	15	22	0.18	< 20	1	< 2	< 10	112	< 10	7	3							
DL-20-02-08	0.78	0.060	0.013	10.2	12	7	3	0.09	< 20	3	< 2	< 10	52	< 10	8	34							
DL-20-02-09	0.15	0.023	0.038	1.99	< 2	2	26	0.02	< 20	< 1	< 2	< 10	11	< 10	5	8							
DL-20-02-010	0.85	0.049	0.016	10.7	13	8	7	0.11	< 20	< 1	< 2	< 10	58	< 10	10	51							
DL-20-02-011	0.03	2.90	< 0.001	0.01	< 2	< 1	14	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	2	< 1							
DL-20-02-012	0.76	0.072	0.019	4.57	4	6	8	0.13	< 20	2	< 2	< 10	44	< 10	9	56							
DL-20-02-013	0.73	0.066	0.019	5.00	4	6	11	0.11	< 20	4	< 2	< 10	40	< 10	8	58							
DL-20-02-014	1.67	0.144	0.056	1.51	2	9	27	0.21	< 20	< 1	< 2	< 10	78	< 10	7	31							
DL-20-02-015	0.64	0.081	0.027	1.36	< 2	3	23	0.11	< 20	2	< 2	< 10	31	< 10	7	42							
DL-20-02-016	0.81	0.172	0.065	3.38	3	3	123	0.13	< 20	< 1	< 2	< 10	54	< 10	7	20							
DL-20-02-017	0.41	0.073	0.067	2.26	4	1	167	0.05	< 20	3	< 2	< 10	19	10	5	9							
DL-20-02-018	0.20	0.080	0.063	0.92	6	< 1	68	0.03	< 20	< 1	< 2	< 10	9	< 10	4	12	0.97						
DL-20-02-019	0.60	0.134	0.105	2.36	4	3	59	0.09	< 20	< 1	< 2	< 10	37	< 10	6	12	3.32						
DL-20-02-020	0.16	0.040	0.091	1.91	6	< 1	81	0.01	< 20	< 1	< 2	< 10	7	< 10	3	6	4.32						
DL-20-02-021	0.28	0.080	0.071	8.79	6	1	82	0.03	< 20	< 1	< 2	< 10	12	< 10	3	12	30.0	94.2	36.6	33.9	37.4	18.29	484.59
DL-20-02-022	0.34	0.070	0.066	2.49	5	1	51	0.04	< 20	< 1	< 2	< 10	13	< 10	4	11	4.04						
DL-20-02-023	0.29	0.077	0.053	3.24	6	< 1	26	0.01	< 20	2	< 2	< 10	12	< 10	3	6	1.36						
DL-20-02-024	0.19	0.048	0.063	1.86	5	< 1	85	0.02	< 20	< 1	< 2	< 10	13	< 10	4	12	1.15						
DL-20-02-025	0.23	0.070	0.074	0.89	8	< 1	48	0.02	< 20	< 1	< 2	< 10	12	< 10	4	10							
DL-20-02-026	0.16	0.046	0.070	0.84	5	< 1	39	0.02	< 20	3	< 2	< 10	7	< 10	3	8							
DL-20-02-027	0.70	0.030	0.006	12.9	56	1	7	< 0.01	< 20	< 1	2	< 10	9	13	10	42	1.31						
DL-20-02-028	0.39	0.114	0.040	3.09	5	1	21	0.03	< 20	< 1	< 2	< 10	15	< 10	5	12							
DL-20-02-029	0.82	0.213	0.069	5.76	7	5	15	0.10	< 20	< 1	< 2	< 10	48	< 10	8	11							
DL-20-02-030	1.24	0.091	0.024	1.77	5	6	9	0.10	< 20	< 1	< 2	< 10	57	< 10	4	24							
DL-20-02-031	0.56	0.078	0.061	0.59	< 2	3	20	0.12	< 20	< 1	< 2	< 10	31	< 10	8	18							
DL-20-02-032	0.15	0.019	0.013	0.46	< 2	1	6	0.03	< 20	2	< 2	< 10	10	< 10	2	6							
DL-20-02-033	0.45	0.110	0.046	1.50	< 2	4	17	0.12	< 20	3	< 2	< 10	18	< 10	13	46							
DL-20-02-034	0.37	0.083	0.044	4.33	4	1	19	0.03	< 20	1	< 2	< 10	11	< 10	4	9	1.56						
DL-20-02-035	0.66	0.071	0.078	2.45	4	< 1	45	0.03	< 20	< 1	< 2	< 10	11	< 10	12	9							
DL-20-02-036	0.03	2.91	< 0.001	0.01	< 2	< 1	15	< 0.01	< 20	1	< 2	< 10	< 1	< 10	2	< 1							
DL-20-02-037	1.79	0.146	0.085	0.02	< 2	9	60	0.34	< 20	5	< 2	< 10	131	< 10	10	12							
DL-20-02-038	0.24	0.036	0.060	0.50	12	< 1	15	0.02	< 20	< 1	< 2	< 10	10	< 10	2	7							
DL-20-02-039	1.83	0.163	0.042	0.41	< 2	15	6	0.23	< 20	< 1	< 2	< 10	145	< 10	13	4							
DL-20-02-040	3.29	0.112	0.021	0.67	24	16	73	0.07	< 20	< 1	< 2	< 10	153	19	4	4	4.26						
DL-20-02-041	0.45	0.056	0.066	1.65	7	< 1	35	0.02	< 20	< 1	< 2	< 10	13	< 10	3	9	2.37						
DL-20-02-042	0.32	0.074	0.076	3.68	6	1	83	0.03	< 20	< 1	< 2	< 10	17	< 10	5	12	2.82	6.41	4.51	4.11	4.39	18.71	485.14
DL-20-02-043	1.93	0.298	0.098	0.03	< 2	8	142	0.32	< 20	1	2	< 10	123	< 10	10	15							
DL-20-02-044	0.32	0.053	0.073	1.52	7	< 1	82	0.03	< 20	3	< 2	< 10	14	< 10	5	9	1.80						
DL-20-02-045	0.59	0.410	0.049	0.02	< 2	2	127	0.19	< 20	3	< 2	< 10	31	< 10	7	22							
DL-20-02-046	0.38	0.090	0.079	1.47	5	2	55	0.07	< 20	< 1	< 2	< 10	28	< 10	6	15	1.24						
DL-20-02-047	2.25	0.106	0.114	0.01	< 2	9	164	0.33	< 20	2	< 2	< 10	170	< 10	11	12							
DL-20-02-048	0.33	0.057	0.078	0.93	13	< 1	63	0.02	< 20	< 1	< 2	< 10	15	< 10	4	10							

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	0.03	0.03	0.03		
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
DL-20-02-049	0.49	0.081	0.053	2.19	7	2	50	0.03	< 20	3	< 2	< 10	31	< 10	3	6	5.89						
DL-20-02-050	1.14	0.209	0.017	0.06	< 2	9	37	0.15	< 20	1	< 2	< 10	63	< 10	5	14							

Analyte Symbol	Total Weight
Unit Symbol	g
Lower Limit	
Method Code	FA-MeT
DL-20-02-01	
DL-20-02-02	
DL-20-02-03	
DL-20-02-04	
DL-20-02-05	
DL-20-02-06	
DL-20-02-07	
DL-20-02-08	
DL-20-02-09	
DL-20-02-010	
DL-20-02-011	
DL-20-02-012	
DL-20-02-013	
DL-20-02-014	
DL-20-02-015	
DL-20-02-016	
DL-20-02-017	
DL-20-02-018	
DL-20-02-019	
DL-20-02-020	
DL-20-02-021	502.88
DL-20-02-022	
DL-20-02-023	
DL-20-02-024	
DL-20-02-025	
DL-20-02-026	
DL-20-02-027	
DL-20-02-028	
DL-20-02-029	
DL-20-02-030	
DL-20-02-031	
DL-20-02-032	
DL-20-02-033	
DL-20-02-034	
DL-20-02-035	
DL-20-02-036	
DL-20-02-037	
DL-20-02-038	
DL-20-02-039	
DL-20-02-040	
DL-20-02-041	
DL-20-02-042	503.85
DL-20-02-043	
DL-20-02-044	
DL-20-02-045	
DL-20-02-046	
DL-20-02-047	
DL-20-02-048	
DL-20-02-049	
DL-20-02-050	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2290	779	< 1	35	65	262	3.03	6		87	0.8	9	0.44	20	47	5.17	< 10		0.52	41
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4410	886	< 1	31	85	335	2.98	3		72	0.7	21	0.44	22	43	5.92	< 10		0.44	37
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 96 (Aqua Regia) Meas		10.8		> 10000				92	416						62		46						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 621 (Aqua Regia) Meas		70.7	290	3660	554	14	26	> 5000	> 10000	1.83	78			0.6	9	1.73	31	34	3.43	10	4	0.40	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas				343	177	1	225	11	28	7.52			141	1.1	2	0.07	37	339	13.9	20	< 1	0.11	12
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 238 (Fire Assay) Meas	3150																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3040																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3160																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3180																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3130																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas	525																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	515																						
Oreas E1336 (Fire	510																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Cert																							
Oreas E1336 (Fire Assay) Meas	521																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	525																						
Oreas E1336 (Fire Assay) Cert	510																						
DL-20-02-01 Orig	20																						
DL-20-02-01 Dup	20																						
DL-20-02-05 Orig	19																						
DL-20-02-05 Dup	21																						
DL-20-02-018 Orig		0.5	< 0.5	34	601	< 1	10	2	101	0.61	6	< 10	73	< 0.5	4	2.85	5	7	16.5	< 10	< 1	0.10	< 10
DL-20-02-018 Dup		0.4	< 0.5	34	592	< 1	11	4	101	0.60	3	< 10	72	< 0.5	5	2.81	2	7	16.2	< 10	< 1	0.10	< 10
DL-20-02-020 Orig																							
DL-20-02-020 Dup																							
DL-20-02-026 Orig	360																						
DL-20-02-026 Dup	329																						
DL-20-02-033 Orig		0.5	< 0.5	120	436	1	12	10	60	1.43	< 2	< 10	20	< 0.5	2	0.37	13	8	5.71	< 10	< 1	0.07	26
DL-20-02-033 Dup		0.6	< 0.5	120	435	1	13	10	59	1.42	< 2	< 10	18	< 0.5	< 2	0.37	13	8	5.71	< 10	1	0.07	25
DL-20-02-037 Orig	< 5																						
DL-20-02-037 Dup	< 5																						
DL-20-02-039 Orig	57																						
DL-20-02-039 Dup	51																						
DL-20-02-042 Orig	> 5000	1.1	< 0.5	154	982	< 1	21	4	104	0.82	4	< 10	16	< 0.5	< 2	2.38	18	11	17.2	< 10	< 1	0.08	< 10
DL-20-02-042 Dup		0.7	< 0.5	154	980	< 1	22	4	104	0.83	4	< 10	16	< 0.5	< 2	2.51	17	12	17.2	< 10	< 1	0.08	< 10
DL-20-02-044 Orig																							
DL-20-02-044 Dup																							
DL-20-02-049 Orig																							
DL-20-02-049 Dup																							
DL-20-02-050 Orig	22	< 0.2	< 0.5	7	404	< 1	36	2	34	1.78	< 2	< 10	83	< 0.5	< 2	1.73	15	52	2.78	< 10	< 1	0.19	10
DL-20-02-050 Split PREP DUP	16	< 0.2	< 0.5	8	369	< 1	33	3	32	1.62	< 2	< 10	79	< 0.5	< 2	1.55	14	47	2.55	< 10	< 1	0.17	10
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 5																						
Method Blank																							
Method Blank	< 5																						
Method Blank																							
Method Blank																							
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 5																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Total Au	Total Weight
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT
OREAS 922 (AQUA REGIA) Meas	1.40	0.037	0.062	0.38	2	4	16		< 20		< 2	< 10	38	< 10	21	13			
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 923 (AQUA REGIA) Meas	1.47		0.058	0.67	3	4	15		< 20		< 2	< 10	37	< 10	19	20			
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5			
Oreas 96 (Aqua Regia) Meas				3.93	7														
Oreas 96 (Aqua Regia) Cert				4.38	4.53														
Oreas 621 (Aqua Regia) Meas	0.45	0.179	0.033	4.72	120	3	19		< 20		< 2	< 10	13	< 10	8	68			
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0			
OREAS 229b (Fire Assay) Meas																	12.0	11.9	
OREAS 229b (Fire Assay) Cert																	11.9	11.9	
OREAS 45f (Aqua Regia) Meas	0.18	0.054	0.021	0.02		29	15	0.14	< 20		< 2	< 10	212		5	23			
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0			
OREAS 238 (Fire Assay) Meas																	3.05		
OREAS 238 (Fire Assay) Cert																	3.03		
OREAS 238 (Fire Assay) Meas																			
OREAS 238 (Fire Assay) Cert																			
OREAS 238 (Fire Assay) Meas																			
OREAS 238 (Fire Assay) Cert																			
OREAS 238 (Fire Assay) Meas																			
OREAS 238 (Fire Assay) Cert																			
OREAS 238 (Fire Assay) Meas																			
OREAS 238 (Fire Assay) Cert																			
OREAS 257b (Fire Assay) Meas																	14.3	14.5	
OREAS 257b (Fire Assay) Cert																	14.2	14.2	
Oreas E1336 (Fire Assay) Meas																	0.52		
Oreas E1336 (Fire Assay) Cert																	0.510		
Oreas E1336 (Fire																			

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Total Au	Total Weight
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT
Assay) Meas																			
Oreas E1336 (Fire Assay) Cert																			
Oreas E1336 (Fire Assay) Meas																			
Oreas E1336 (Fire Assay) Cert																			
Oreas E1336 (Fire Assay) Meas																			
Oreas E1336 (Fire Assay) Cert																			
DL-20-02-01 Orig																			
DL-20-02-01 Dup																			
DL-20-02-05 Orig																			
DL-20-02-05 Dup																			
DL-20-02-018 Orig	0.20	0.080	0.064	0.93	5	< 1	69	0.03	< 20	< 1	< 2	< 10	9	< 10	4	12			
DL-20-02-018 Dup	0.20	0.080	0.062	0.91	6	< 1	68	0.03	< 20	< 1	< 2	< 10	9	< 10	4	12			
DL-20-02-020 Orig																	4.47		
DL-20-02-020 Dup																	4.18		
DL-20-02-026 Orig																			
DL-20-02-026 Dup																			
DL-20-02-033 Orig	0.45	0.111	0.047	1.52	< 2	4	16	0.12	< 20	4	< 2	< 10	18	< 10	13	46			
DL-20-02-033 Dup	0.45	0.109	0.046	1.47	2	4	17	0.12	< 20	2	< 2	< 10	18	< 10	13	46			
DL-20-02-037 Orig																			
DL-20-02-037 Dup																			
DL-20-02-039 Orig																			
DL-20-02-039 Dup																			
DL-20-02-042 Orig	0.32	0.074	0.076	3.82	6	1	83	0.03	< 20	5	< 2	< 10	17	< 10	5	12		4.39	503.85
DL-20-02-042 Dup	0.32	0.074	0.076	3.55	6	1	84	0.03	< 20	< 1	< 2	< 10	17	< 10	5	12			
DL-20-02-044 Orig																	1.82		
DL-20-02-044 Dup																	1.79		
DL-20-02-049 Orig																	6.33		
DL-20-02-049 Dup																	5.45		
DL-20-02-050 Orig	1.14	0.209	0.017	0.06	< 2	9	37	0.15	< 20	1	< 2	< 10	63	< 10	5	14			
DL-20-02-050 Split PREP DUP	1.04	0.184	0.018	0.05	< 2	8	33	0.14	< 20	2	< 2	< 10	57	< 10	4	15			
Method Blank																			

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Total Au	Total Weight
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT
Method Blank																			
Method Blank																			
Method Blank																			
Method Blank																			
Method Blank																		< 0.03	
Method Blank																			
Method Blank																	< 0.03		
Method Blank																	< 0.03		
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	2	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank																			

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-09536**
Report Date: **20-Aug-20**
Date Submitted: **17-Aug-20**
Your Reference: **Dona**

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

38 Crushed Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2020-08-17 15:30:35

REPORT **A20-09536**

Notes:

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.03
Method Code	FA-GRA
DL-20-02-08-RJ	< 0.03
DL-20-02-09-RJ	0.03
DL-20-02-010-RJ	< 0.03
DL-20-02-012-RJ	< 0.03
DL-20-02-013-RJ	< 0.03
DL-20-02-014-RJ	0.07
DL-20-02-015-RJ	< 0.03
DL-20-02-016-RJ	< 0.03
DL-20-02-017-RJ	0.10
DL-20-02-018-RJ	1.03
DL-20-02-019-RJ	3.81
DL-20-02-020-RJ	5.11
DL-20-02-021-RJ	29.5
DL-20-02-022-RJ	3.60
DL-20-02-023-RJ	1.42
DL-20-02-024-RJ	0.95
DL-20-02-025-RJ	0.20
DL-20-02-026-RJ	0.38
DL-20-02-028-RJ	0.20
DL-20-02-029-RJ	0.19
DL-20-02-030-RJ	0.26
DL-20-02-031-RJ	0.23
DL-20-02-032-RJ	0.55
DL-20-02-033-RJ	0.59
DL-20-02-034-RJ	1.93
DL-20-02-035-RJ	0.55
DL-20-02-037-RJ	< 0.03
DL-20-02-038-RJ	< 0.03
DL-20-02-039-RJ	< 0.03
DL-20-02-041-RJ	2.69
DL-20-02-042-RJ	3.23
DL-20-02-043-RJ	< 0.03
DL-20-02-044-RJ	1.95
DL-20-02-045-RJ	< 0.03
DL-20-02-046-RJ	1.15
DL-20-02-047-RJ	0.49
DL-20-02-048-RJ	0.09
DL-20-02-049-RJ	4.98

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.03
Method Code	FA-GRA
OREAS 229b (Fire Assay) Meas	11.9
OREAS 229b (Fire Assay) Cert	11.9
OREAS 229b (Fire Assay) Meas	11.7
OREAS 229b (Fire Assay) Cert	11.9
OREAS 257b (Fire Assay) Meas	14.3
OREAS 257b (Fire Assay) Cert	14.2
OREAS 257b (Fire Assay) Meas	14.5
OREAS 257b (Fire Assay) Cert	14.2
DL-20-02-017-RJ Orig	0.09
DL-20-02-017-RJ Dup	0.10
DL-20-02-026-RJ Orig	0.40
DL-20-02-026-RJ Dup	0.36
DL-20-02-049-RJ Orig	5.01
DL-20-02-049-RJ Dup	4.95
Method Blank	< 0.03
Method Blank	< 0.03
Method Blank	< 0.03

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-08873**
Report Date: **26-Aug-20**
Date Submitted: **05-Aug-20**
Your Reference:

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

86 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2020-08-17 07:30:08
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2020-08-17 13:46:06
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2020-08-14 12:50:29

REPORT **A20-08873**

Notes:

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

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
DL20-03-01	21	0.3	< 0.5	57	1820	< 1	40	< 2	91	2.43	< 2	< 10	74	< 0.5	< 2	4.48	16	42	6.43	< 10	2	1.27	< 10
DL20-03-02	46	< 0.2	< 0.5	28	1440	< 1	10	< 2	30	1.69	< 2	< 10	70	< 0.5	< 2	4.88	5	19	3.56	< 10	< 1	0.42	< 10
DL20-03-03	50	0.3	< 0.5	54	1180	1	26	< 2	60	1.89	< 2	< 10	61	< 0.5	< 2	4.46	11	45	4.80	< 10	2	0.47	< 10
DL20-03-04	10	0.4	0.5	131	1620	< 1	88	< 2	110	3.51	< 2	< 10	62	< 0.5	< 2	7.33	34	133	7.35	< 10	1	1.12	< 10
DL20-03-05	35	1.0	1.6	489	674	< 1	113	< 2	462	2.68	< 2	< 10	27	< 0.5	3	2.65	63	88	9.90	< 10	2	0.70	< 10
DL20-03-06	6	< 0.2	< 0.5	121	817	< 1	81	< 2	44	2.04	< 2	< 10	< 10	< 0.5	< 2	5.69	27	127	3.89	< 10	< 1	0.06	< 10
DL20-03-07	10	< 0.2	< 0.5	122	645	< 1	86	< 2	57	2.65	< 2	< 10	19	< 0.5	< 2	4.55	28	148	4.60	< 10	2	0.12	< 10
DL20-03-08	246	0.5	0.6	163	859	< 1	95	4	148	3.62	< 2	< 10	84	< 0.5	< 2	5.91	36	166	5.29	< 10	2	0.85	< 10
DL20-03-09	419	1.1	0.9	183	1340	1	106	10	153	3.48	< 2	< 10	65	< 0.5	< 2	8.72	42	144	5.20	< 10	3	1.15	< 10
DL20-03-10	264	0.5	< 0.5	128	1400	< 1	135	2	79	2.56	< 2	< 10	61	< 0.5	< 2	6.61	30	199	5.32	< 10	1	0.54	< 10
DL20-03-11	28	0.3	< 0.5	153	1690	< 1	73	< 2	62	4.12	< 2	< 10	115	< 0.5	2	8.47	30	120	5.54	< 10	< 1	1.24	< 10
DL20-03-12	8	< 0.2	< 0.5	118	1500	< 1	70	< 2	55	3.94	< 2	< 10	112	< 0.5	< 2	8.58	28	116	5.00	< 10	2	0.87	< 10
DL20-03-13	20	< 0.2	< 0.5	101	1160	< 1	26	< 2	18	1.47	2	< 10	80	< 0.5	< 2	9.31	11	43	3.95	< 10	< 1	0.31	< 10
DL20-03-14	6	< 0.2	< 0.5	47	541	1	17	2	56	1.14	< 2	< 10	34	< 0.5	< 2	3.00	12	16	3.38	< 10	< 1	0.37	22
DL20-03-15	5	< 0.2	< 0.5	21	397	1	< 1	5	48	1.16	< 2	< 10	106	< 0.5	< 2	0.84	6	2	2.67	< 10	< 1	0.38	28
DL20-03-16	8	< 0.2	< 0.5	21	419	1	12	< 2	50	1.34	< 2	< 10	78	< 0.5	< 2	1.10	9	37	2.94	< 10	< 1	0.62	27
DL20-03-17	< 5	0.9	< 0.5	< 1	90	< 1	< 1	< 2	12	5.12	< 2	< 10	< 10	< 0.5	< 2	0.19	< 1	< 1	0.47	< 10	< 1	1.41	< 10
DL20-03-18	12	< 0.2	< 0.5	86	447	< 1	16	< 2	49	2.04	< 2	< 10	82	< 0.5	< 2	1.19	15	38	3.69	< 10	< 1	1.19	21
DL20-03-19	34	< 0.2	< 0.5	39	355	< 1	16	2	32	1.19	< 2	< 10	80	< 0.5	< 2	1.16	9	48	2.67	< 10	< 1	0.53	26
DL20-03-20	286	0.3	< 0.5	53	547	2	29	< 2	35	2.11	< 2	< 10	90	< 0.5	< 2	2.24	15	21	3.72	< 10	< 1	0.36	21
DL20-03-21	42	< 0.2	< 0.5	85	534	2	39	< 2	36	1.62	< 2	< 10	30	< 0.5	< 2	2.96	19	42	3.70	< 10	< 1	0.19	18
DL20-03-22	19	< 0.2	< 0.5	226	674	< 1	144	2	41	2.55	< 2	< 10	32	< 0.5	< 2	5.15	31	65	3.77	< 10	2	0.12	< 10
DL20-03-23	4280	0.6	< 0.5	129	1210	< 1	160	15	91	3.96	1690	< 10	56	< 0.5	< 2	6.39	31	218	6.06	< 10	< 1	0.51	< 10
DL20-03-24	13	0.3	< 0.5	328	414	< 1	214	< 2	24	2.59	< 2	< 10	< 10	< 0.5	< 2	4.88	39	95	3.34	< 10	< 1	0.04	< 10
DL20-03-25	< 5	0.4	< 0.5	487	388	< 1	258	4	23	1.10	< 2	< 10	< 10	< 0.5	< 2	3.67	50	41	3.47	< 10	< 1	0.05	< 10
DL20-03-26	25	0.4	< 0.5	382	1060	< 1	96	< 2	49	2.37	< 2	< 10	27	< 0.5	< 2	5.66	50	75	8.15	< 10	< 1	0.19	< 10
DL20-03-27	84	0.7	2.6	200	1120	1	85	8	939	1.31	< 2	< 10	22	< 0.5	< 2	3.67	51	31	11.5	< 10	1	0.19	< 10
DL20-03-28	7	< 0.2	< 0.5	48	393	< 1	12	14	98	1.35	< 2	< 10	40	< 0.5	< 2	1.27	8	15	2.68	< 10	< 1	0.21	13
DL20-03-29	125	1.2	3.7	378	506	2	90	24	1300	1.61	< 2	< 10	14	< 0.5	< 2	1.09	72	49	12.2	< 10	1	0.12	14
DL20-03-30	12	< 0.2	< 0.5	19	136	< 1	< 1	7	68	0.43	< 2	< 10	< 10	< 0.5	< 2	0.45	2	8	0.95	< 10	< 1	0.03	14
DL20-03-31	26	1.0	0.5	420	624	3	110	22	217	2.65	< 2	< 10	15	< 0.5	2	2.18	56	76	10.1	10	1	0.29	23
DL20-03-32	26	0.2	< 0.5	158	524	< 1	65	< 2	42	2.76	< 2	< 10	52	< 0.5	< 2	3.46	27	97	3.92	< 10	2	0.25	< 10
DL20-03-33	48	< 0.2	< 0.5	50	1220	< 1	88	< 2	112	3.51	< 2	< 10	45	< 0.5	3	3.03	28	116	6.48	< 10	2	0.26	< 10
DL20-03-34	1030	0.7	0.6	206	839	< 1	70	10	184	0.91	3	< 10	15	< 0.5	< 2	3.87	34	24	10.5	< 10	2	0.11	< 10
DL20-03-35	550	0.9	2.0	561	930	2	72	11	720	1.35	< 2	< 10	14	< 0.5	< 2	2.46	50	21	13.1	< 10	2	0.43	13
DL20-03-36	1610	0.2	< 0.5	24	1120	< 1	7	< 2	144	2.76	< 2	< 10	115	< 0.5	< 2	3.25	15	5	5.06	< 10	2	1.39	18
DL20-03-37	541	0.8	< 0.5	194	971	2	29	4	162	0.98	2	< 10	32	< 0.5	< 2	3.35	15	11	9.10	< 10	< 1	0.21	< 10
DL20-03-38	365	0.3	< 0.5	16	944	< 1	19	< 2	80	2.17	< 2	< 10	101	< 0.5	3	3.37	12	34	6.87	< 10	2	0.78	18
DL20-03-39	< 5	< 0.2	< 0.5	2	105	< 1	< 1	< 2	13	4.70	< 2	11	< 10	< 0.5	< 2	0.19	< 1	2	0.61	< 10	< 1	1.42	< 10
DL20-03-40	24	< 0.2	< 0.5	1	375	< 1	< 1	2	31	0.68	< 2	< 10	54	< 0.5	< 2	0.45	< 1	7	1.70	< 10	< 1	0.10	35
DL20-03-41	193	< 0.2	< 0.5	11	317	< 1	2	2	36	0.80	< 2	< 10	30	< 0.5	< 2	0.76	2	8	2.36	< 10	< 1	0.10	40
DL20-03-42	> 5000	2.9	< 0.5	127	737	< 1	22	5	91	0.62	< 2	< 10	16	< 0.5	2	4.08	8	4	12.3	< 10	2	0.07	< 10
DL20-03-43	363	< 0.2	< 0.5	11	266	< 1	4	3	35	0.53	< 2	< 10	13	< 0.5	< 2	0.92	3	10	2.60	< 10	< 1	0.01	32
DL20-03-44	> 5000	2.3	< 0.5	223	541	1	33	7	81	0.63	4	< 10	< 10	< 0.5	< 2	2.03	11	12	16.0	< 10	< 1	0.07	< 10
DL20-03-45	> 5000	1.3	< 0.5	108	622	< 1	24	3	73	1.10	< 2	< 10	28	< 0.5	< 2	2.65	13	30	9.67	< 10	2	0.08	14
DL20-03-46	14	< 0.2	< 0.5	6	171	< 1	< 1	3	32	0.35	< 2	< 10	< 10	< 0.5	2	1.07	1	7	1.08	< 10	< 1	< 0.01	22
DL20-03-47	62	< 0.2	< 0.5	77	710	< 1	30	5	102	1.88	< 2	< 10	10	< 0.5	< 2	4.43	19	59	5.42	< 10	1	0.02	28
DL20-03-48	> 5000	2.4	< 0.5	138	580	< 1	23	12	57	0.86	5	< 10	19	< 0.5	< 2	3.47	22	15	10.2	< 10	< 1	0.03	12
DL20-03-49	4080	0.8	< 0.5	138	1270	< 1	172	18	96	4.21	1800	< 10	58	< 0.5	< 2	6.65	33	226	6.40	< 10	< 1	0.53	< 10
DL20-03-50	> 5000	5.5	< 0.5	199	724	< 1	30	2	65	1.01	8	< 10	< 10	< 0.5	< 2	2.49	12	19	17.7	< 10	< 1	0.07	< 10
DL20-03-51	2640	1.9	< 0.5	124	737	< 1	21	4	34	0.48	< 2	< 10	< 10	< 0.5	< 2	4.03	10	30	12.7	< 10	2	0.09	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
DL20-03-52	10	< 0.2	< 0.5	40	459	< 1	22	< 2	49	1.08	< 2	< 10	< 10	< 0.5	< 2	3.81	10	48	2.96	< 10	< 1	0.01	23
DL20-03-53	2200	1.3	< 0.5	18	198	< 1	9	7	74	0.41	< 2	< 10	10	< 0.5	< 2	1.69	3	8	4.36	< 10	< 1	< 0.01	19
DL20-03-54	18	< 0.2	< 0.5	13	225	< 1	6	8	56	0.72	< 2	< 10	22	< 0.5	< 2	1.03	5	12	2.15	< 10	< 1	0.05	13
DL20-03-55	10	< 0.2	< 0.5	12	163	< 1	2	3	46	0.42	< 2	< 10	14	< 0.5	< 2	1.00	3	10	1.20	< 10	< 1	0.01	12
DL20-03-56	10	0.3	< 0.5	28	384	< 1	27	8	61	0.61	< 2	< 10	< 10	< 0.5	< 2	3.09	13	32	2.21	< 10	< 1	0.01	< 10
DL20-03-57	15	0.4	< 0.5	89	520	< 1	64	5	153	1.12	< 2	< 10	34	< 0.5	< 2	3.04	34	62	4.06	< 10	< 1	0.05	< 10
DL20-03-58	96	1.1	< 0.5	915	2940	< 1	61	< 2	43	1.70	< 2	< 10	< 10	< 0.5	< 2	8.07	24	33	11.6	< 10	2	0.04	< 10
DL20-03-59	< 5	< 0.2	< 0.5	< 1	70	< 1	< 1	< 2	10	4.62	< 2	< 10	< 10	< 0.5	< 2	0.16	< 1	< 1	0.32	< 10	< 1	1.28	< 10
DL20-03-60	266	< 0.2	< 0.5	117	956	< 1	98	< 2	48	2.15	< 2	< 10	40	< 0.5	< 2	4.79	30	155	4.40	< 10	1	0.49	< 10
DL20-03-61	16	0.3	< 0.5	85	633	< 1	75	< 2	62	2.59	< 2	< 10	25	< 0.5	2	2.43	34	99	5.68	< 10	1	0.18	< 10
DL20-03-62	20	0.9	3.7	343	836	1	64	8	969	2.21	3	< 10	11	< 0.5	2	2.16	48	61	13.6	< 10	2	0.36	< 10
DL20-03-63	23	0.4	< 0.5	156	1140	< 1	27	4	136	1.30	< 2	< 10	16	< 0.5	< 2	4.81	20	22	10.4	< 10	2	0.08	< 10
DL20-03-64	28	1.2	6.6	387	588	2	83	31	2140	2.54	6	< 10	< 10	0.6	5	1.79	56	47	15.6	< 10	< 1	0.47	17
DL20-03-65	40	1.2	5.4	218	672	8	83	34	1820	2.29	4	< 10	< 10	< 0.5	< 2	1.24	55	78	15.3	< 10	< 1	0.54	16
DL20-03-66	59	0.3	< 0.5	98	1090	2	34	14	285	2.01	< 2	< 10	30	0.5	< 2	2.75	18	113	6.94	< 10	2	0.16	11
DL20-03-67	51	1.5	2.2	496	1420	2	84	15	866	1.69	5	< 10	16	< 0.5	3	3.36	76	19	16.5	< 10	< 1	0.29	12
DL20-03-68	43	< 0.2	< 0.5	15	296	< 1	8	16	117	1.32	< 2	< 10	43	< 0.5	< 2	0.79	7	18	2.18	< 10	< 1	0.38	13
DL20-03-69	19	0.3	0.7	76	795	< 1	20	10	335	2.48	< 2	< 10	48	0.8	3	3.00	20	22	8.40	< 10	< 1	0.30	12
DL20-03-70	42	0.4	0.9	104	1060	< 1	26	2	349	1.30	< 2	< 10	43	< 0.5	< 2	3.15	14	23	13.0	< 10	1	0.19	< 10
DL20-03-71	212	0.3	1.2	65	969	< 1	62	5	351	1.10	< 2	< 10	29	< 0.5	< 2	3.50	14	67	9.94	< 10	2	0.10	< 10
DL20-03-72	156	0.3	< 0.5	35	516	< 1	15	< 2	96	1.27	< 2	< 10	31	< 0.5	< 2	2.25	7	17	13.2	< 10	1	0.11	< 10
DL20-03-73	56	0.4	< 0.5	145	677	< 1	35	< 2	75	0.89	3	< 10	17	< 0.5	< 2	3.41	11	21	14.3	< 10	< 1	0.06	< 10
DL20-03-74	< 5	< 0.2	< 0.5	< 1	74	< 1	< 1	< 2	12	4.87	< 2	11	< 10	< 0.5	< 2	0.19	< 1	< 1	0.37	< 10	< 1	1.36	< 10
DL20-03-75	5	< 0.2	< 0.5	6	428	< 1	76	5	48	1.89	< 2	< 10	41	< 0.5	< 2	1.61	16	133	3.26	< 10	< 1	0.17	68
DL20-03-76	44	0.4	< 0.5	66	401	< 1	19	5	64	1.72	< 2	< 10	42	0.5	< 2	2.09	13	11	9.42	< 10	2	0.22	11
DL20-03-77	17	0.2	< 0.5	36	438	< 1	27	< 2	39	1.77	< 2	< 10	83	< 0.5	< 2	2.55	11	54	12.5	< 10	2	0.25	11
DL20-03-78	7	< 0.2	< 0.5	42	511	2	44	3	85	2.25	< 2	< 10	111	< 0.5	< 2	2.47	17	56	3.41	< 10	< 1	0.39	< 10
DL20-03-78a	< 5	0.4	< 0.5	720	236	8	40	2	12	1.59	< 2	< 10	< 10	< 0.5	< 2	2.36	20	29	3.50	< 10	< 1	0.02	< 10
DL20-03-79	< 5	0.3	< 0.5	164	400	5	72	< 2	16	1.58	< 2	< 10	11	< 0.5	< 2	6.01	27	41	3.90	< 10	< 1	0.05	< 10
DL20-03-80	9	0.3	< 0.5	325	215	2	52	< 2	40	6.70	< 2	< 10	14	< 0.5	3	8.43	19	34	1.41	< 10	< 1	< 0.01	< 10
DL20-03-81	8	0.2	< 0.5	101	679	< 1	99	< 2	55	3.90	< 2	< 10	68	< 0.5	< 2	4.46	32	108	5.70	< 10	< 1	0.30	< 10
DL20-03-82	10	0.7	< 0.5	820	228	< 1	30	< 2	19	0.19	5	< 10	< 10	< 0.5	3	0.95	18	7	26.2	< 10	< 1	0.01	< 10
DL20-03-83	10	0.5	< 0.5	482	480	< 1	53	< 2	33	0.67	4	< 10	25	< 0.5	< 2	1.22	24	29	21.1	< 10	< 1	0.04	< 10
DL20-03-84	13	< 0.2	< 0.5	142	513	< 1	36	< 2	26	2.03	< 2	< 10	55	< 0.5	< 2	4.64	17	144	3.08	< 10	< 1	0.10	26
DL20-03-85	5	0.6	< 0.5	663	353	20	61	4	34	2.23	< 2	< 10	29	< 0.5	< 2	2.56	30	117	5.55	< 10	< 1	0.18	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	0.03	0.03	0.03		
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
DL20-03-01	1.14	0.114	0.019	1.07	3	7	36	0.13	< 20	< 1	< 2	< 10	55	< 10	3	18							
DL20-03-02	0.78	0.115	0.018	0.37	< 2	3	30	0.08	< 20	< 1	2	< 10	25	< 10	2	12							
DL20-03-03	0.98	0.128	0.018	1.26	< 2	6	33	0.11	< 20	< 1	< 2	< 10	44	< 10	3	12							
DL20-03-04	1.51	0.197	0.024	1.54	2	14	92	0.23	< 20	< 1	< 2	< 10	125	< 10	7	4							
DL20-03-05	1.81	0.231	0.027	4.08	5	10	22	0.20	< 20	< 1	< 2	< 10	89	< 10	8	17							
DL20-03-06	1.69	0.199	0.026	0.26	< 2	14	24	0.15	< 20	< 1	< 2	< 10	101	< 10	7	2							
DL20-03-07	2.27	0.206	0.028	0.14	< 2	15	22	0.18	< 20	< 1	< 2	< 10	119	< 10	7	2							
DL20-03-08	2.21	0.134	0.026	0.84	< 2	20	62	0.25	< 20	< 1	< 2	< 10	156	< 10	8	5							
DL20-03-09	1.57	0.231	0.029	1.41	< 2	16	158	0.21	< 20	2	< 2	< 10	137	< 10	8	8							
DL20-03-10	1.92	0.194	0.036	1.08	< 2	13	90	0.18	< 20	< 1	< 2	< 10	118	< 10	8	9							
DL20-03-11	1.63	0.174	0.030	0.18	< 2	18	99	0.23	< 20	< 1	< 2	< 10	184	< 10	11	2							
DL20-03-12	1.40	0.308	0.031	0.12	< 2	18	62	0.22	< 20	< 1	< 2	< 10	172	< 10	11	1							
DL20-03-13	0.81	0.092	0.024	0.68	< 2	6	32	0.08	< 20	< 1	< 2	< 10	45	< 10	4	1							
DL20-03-14	0.62	0.106	0.050	2.45	< 2	4	24	0.10	< 20	1	< 2	< 10	26	< 10	13	23							
DL20-03-15	0.51	0.120	0.058	0.57	< 2	5	20	0.21	< 20	3	< 2	< 10	15	< 10	18	19							
DL20-03-16	0.86	0.109	0.066	0.72	< 2	6	19	0.24	< 20	4	< 2	< 10	33	< 10	14	22							
DL20-03-17	0.03	3.00	0.001	< 0.01	< 2	< 1	16	< 0.01	< 20	< 1	3	< 10	< 1	< 10	2	< 1							
DL20-03-18	1.45	0.185	0.086	0.61	< 2	9	38	0.26	< 20	2	< 2	< 10	70	< 10	12	19							
DL20-03-19	0.83	0.122	0.056	0.79	< 2	5	17	0.18	< 20	2	< 2	< 10	28	< 10	12	22							
DL20-03-20	1.21	0.098	0.068	0.32	< 2	8	29	0.24	< 20	3	< 2	< 10	65	< 10	13	19							
DL20-03-21	1.12	0.135	0.044	0.69	< 2	11	24	0.21	< 20	3	< 2	< 10	71	< 10	13	26							
DL20-03-22	1.51	0.174	0.037	0.41	< 2	10	26	0.22	< 20	2	< 2	< 10	81	< 10	6	5							
DL20-03-23	3.36	0.113	0.021	0.68	21	16	72	0.06	< 20	< 1	< 2	< 10	149	19	4	3	4.02						
DL20-03-24	1.17	0.093	0.046	0.93	< 2	6	23	0.20	< 20	4	3	< 10	57	< 10	6	8							
DL20-03-25	0.80	0.123	0.041	1.41	< 2	7	34	0.21	< 20	2	< 2	< 10	61	< 10	7	10							
DL20-03-26	1.15	0.171	0.025	2.32	4	11	63	0.17	< 20	< 1	2	< 10	86	< 10	5	3							
DL20-03-27	0.69	0.074	0.032	6.48	5	6	22	0.11	< 20	< 1	< 2	< 10	46	< 10	9	17							
DL20-03-28	0.59	0.124	0.038	0.78	< 2	3	14	0.14	< 20	< 1	< 2	< 10	27	< 10	4	24							
DL20-03-29	1.26	0.057	0.022	7.02	5	9	10	0.15	< 20	2	< 2	< 10	60	< 10	9	40							
DL20-03-30	0.15	0.128	0.023	0.28	< 2	< 1	6	0.03	< 20	< 1	< 2	< 10	4	< 10	2	23							
DL20-03-31	1.87	0.113	0.023	4.79	4	13	21	0.22	< 20	< 1	< 2	< 10	105	< 10	12	45							
DL20-03-32	1.75	0.230	0.025	0.12	< 2	14	31	0.21	< 20	< 1	< 2	< 10	111	< 10	7	2							
DL20-03-33	2.75	0.115	0.033	0.04	< 2	15	20	0.22	< 20	1	< 2	< 10	145	< 10	9	3							
DL20-03-34	0.75	0.032	0.043	6.00	3	3	27	0.06	< 20	< 1	< 2	< 10	32	< 10	5	11	1.15						
DL20-03-35	0.78	0.048	0.038	7.17	5	5	30	0.12	< 20	< 1	< 2	< 10	53	< 10	7	28							
DL20-03-36	1.23	0.173	0.095	0.54	2	6	64	0.22	< 20	< 1	< 2	< 10	82	< 10	9	13	1.27						
DL20-03-37	0.23	0.047	0.050	3.54	3	2	129	0.05	< 20	< 1	< 2	< 10	13	< 10	6	20							
DL20-03-38	1.37	0.121	0.092	0.56	< 2	5	55	0.20	< 20	< 1	< 2	< 10	84	< 10	8	12							
DL20-03-39	0.03	2.98	< 0.001	< 0.01	< 2	< 1	16	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	2	< 1							
DL20-03-40	0.21	0.090	0.020	< 0.01	< 2	2	13	0.06	< 20	< 1	< 2	< 10	13	< 10	5	23							
DL20-03-41	0.26	0.071	0.030	0.19	< 2	1	15	0.07	< 20	< 1	< 2	< 10	11	< 10	6	19							
DL20-03-42	0.35	0.071	0.120	5.76	6	< 1	46	0.02	< 20	< 1	< 2	< 10	8	< 10	4	8	10.6	9.29	9.89	10.3	9.98	13.13	95.620
DL20-03-43	0.21	0.080	0.038	0.69	< 2	1	10	0.05	< 20	< 1	< 2	< 10	8	< 10	4	18							
DL20-03-44	0.35	0.089	0.080	7.21	5	2	40	0.04	< 20	< 1	< 2	< 10	12	< 10	4	14	15.0	20.1	16.6	18.5	17.6	11.25	1180.8
DL20-03-45	0.95	0.082	0.087	3.21	4	5	37	0.18	< 20	2	< 2	< 10	73	< 10	7	25	7.02	10.0	4.91	5.29	5.16	12.42	982.61
DL20-03-46	0.18	0.110	0.027	0.17	< 2	1	13	0.06	< 20	1	< 2	< 10	12	< 10	3	20							
DL20-03-47	1.80	0.078	0.115	0.57	< 2	9	38	0.33	< 20	1	< 2	< 10	163	< 10	11	16							
DL20-03-48	0.61	0.094	0.121	5.45	3	2	59	0.09	< 20	< 1	< 2	< 10	32	< 10	6	22	8.89	21.1	8.32	8.36	8.48	13.00	1161.0

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	0.03	0.03	0.03		
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
DL20-03-49	3.56	0.120	0.023	0.72	25	16	76	0.07	< 20	< 1	< 2	< 10	156	20	4	4	4.10						
DL20-03-50	0.70	0.124	0.181	8.64	7	2	36	0.07	< 20	1	< 2	< 10	21	< 10	6	18	17.1	51.9	13.4	13.3	13.8	14.27	1157.1
DL20-03-51	0.38	0.109	0.223	6.81	5	< 1	65	0.03	< 20	< 1	< 2	< 10	11	< 10	5	10	2.97						
DL20-03-52	1.01	0.078	0.064	0.08	< 2	4	47	0.24	< 20	4	< 2	< 10	88	< 10	7	14							
DL20-03-53	0.21	0.080	0.068	2.54	< 2	1	14	0.06	< 20	2	< 2	< 10	18	< 10	3	21	2.11						
DL20-03-54	0.42	0.091	0.043	0.44	< 2	2	21	0.15	< 20	1	< 2	< 10	29	< 10	3	23							
DL20-03-55	0.24	0.098	0.033	0.21	< 2	2	15	0.10	< 20	< 1	< 2	< 10	18	< 10	2	16							
DL20-03-56	0.55	0.101	0.014	0.46	< 2	4	47	0.10	< 20	< 1	< 2	< 10	20	< 10	3	22							
DL20-03-57	1.26	0.213	0.001	0.97	< 2	11	38	0.17	< 20	2	< 2	< 10	49	< 10	6	11							
DL20-03-58	1.41	0.040	0.063	3.48	3	4	42	0.06	< 20	< 1	< 2	< 10	42	< 10	5	8							
DL20-03-59	0.03	2.87	< 0.001	< 0.01	< 2	< 1	15	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	2	< 1							
DL20-03-60	1.75	0.136	0.084	0.11	< 2	15	35	0.23	< 20	< 1	< 2	< 10	133	< 10	7	2							
DL20-03-61	2.22	0.171	0.027	0.64	2	13	30	0.22	< 20	2	< 2	< 10	119	< 10	7	3							
DL20-03-62	1.12	0.051	0.032	6.27	4	7	24	0.14	< 20	< 1	< 2	< 10	64	< 10	6	16							
DL20-03-63	0.36	0.063	0.070	2.80	4	3	52	0.05	< 20	< 1	< 2	< 10	27	< 10	6	8							
DL20-03-64	1.28	0.094	0.053	7.69	4	6	35	0.21	< 20	< 1	< 2	< 10	81	< 10	8	33							
DL20-03-65	1.11	0.122	0.044	7.32	5	8	35	0.19	< 20	< 1	< 2	< 10	61	< 10	8	36							
DL20-03-66	1.30	0.119	0.061	1.61	< 2	5	46	0.10	< 20	< 1	< 2	< 10	45	< 10	5	10							
DL20-03-67	0.81	0.044	0.027	9.01	3	3	39	0.08	< 20	< 1	< 2	< 10	37	< 10	8	15							
DL20-03-68	0.57	0.097	0.039	0.17	< 2	2	40	0.16	< 20	2	< 2	< 10	26	< 10	3	27							
DL20-03-69	1.02	0.088	0.094	1.45	4	5	53	0.19	< 20	< 1	< 2	< 10	68	< 10	7	11							
DL20-03-70	0.35	0.105	0.071	1.93	4	2	58	0.08	< 20	< 1	< 2	< 10	34	< 10	5	9							
DL20-03-71	0.21	0.070	0.065	1.26	4	2	47	0.05	< 20	< 1	< 2	< 10	22	< 10	5	9							
DL20-03-72	0.71	0.062	0.072	0.76	3	3	41	0.06	< 20	3	< 2	< 10	30	< 10	3	7							
DL20-03-73	0.47	0.090	0.086	2.12	5	1	69	0.05	< 20	< 1	< 2	< 10	21	< 10	4	13							
DL20-03-74	0.03	2.83	< 0.001	< 0.01	< 2	< 1	17	< 0.01	< 20	< 1	2	< 10	< 1	< 10	2	< 1							
DL20-03-75	1.85	0.101	0.188	< 0.01	< 2	6	48	0.24	< 20	2	< 2	< 10	66	< 10	9	4							
DL20-03-76	0.70	0.060	0.085	1.48	< 2	2	88	0.08	< 20	< 1	< 2	< 10	28	< 10	5	12							
DL20-03-77	0.91	0.131	0.075	0.45	5	3	91	0.12	< 20	< 1	< 2	< 10	54	< 10	5	8							
DL20-03-78	1.36	0.174	0.029	0.04	< 2	11	47	0.19	< 20	1	< 2	< 10	76	< 10	6	13							
DL20-03-78a	0.53	0.058	0.026	1.30	< 2	5	51	0.11	< 20	2	< 2	< 10	42	< 10	3	2							
DL20-03-79	0.71	0.067	0.015	1.42	< 2	6	43	0.18	< 20	1	< 2	< 10	51	< 10	3	2							
DL20-03-80	0.73	0.034	0.009	0.07	< 2	3	21	0.07	< 20	< 1	< 2	< 10	54	< 10	2	< 1							
DL20-03-81	2.17	0.277	0.018	0.09	< 2	18	84	0.24	< 20	< 1	< 2	< 10	126	< 10	6	2							
DL20-03-82	0.30	0.033	0.074	1.78	13	< 1	12	0.01	< 20	< 1	< 2	< 10	42	< 10	3	6							
DL20-03-83	0.64	0.088	0.060	2.34	7	3	15	0.04	< 20	< 1	< 2	< 10	43	< 10	5	8							
DL20-03-84	1.19	0.231	0.106	0.70	< 2	13	123	0.17	< 20	3	< 2	< 10	65	< 10	6	5							
DL20-03-85	0.85	0.199	0.045	2.76	< 2	15	59	0.38	< 20	4	< 2	< 10	133	< 10	14	6							

Analyte Symbol	Total Weight
Unit Symbol	g
Lower Limit	
Method Code	FA-MeT
DL20-03-01	
DL20-03-02	
DL20-03-03	
DL20-03-04	
DL20-03-05	
DL20-03-06	
DL20-03-07	
DL20-03-08	
DL20-03-09	
DL20-03-10	
DL20-03-11	
DL20-03-12	
DL20-03-13	
DL20-03-14	
DL20-03-15	
DL20-03-16	
DL20-03-17	
DL20-03-18	
DL20-03-19	
DL20-03-20	
DL20-03-21	
DL20-03-22	
DL20-03-23	
DL20-03-24	
DL20-03-25	
DL20-03-26	
DL20-03-27	
DL20-03-28	
DL20-03-29	
DL20-03-30	
DL20-03-31	
DL20-03-32	
DL20-03-33	
DL20-03-34	
DL20-03-35	
DL20-03-36	
DL20-03-37	
DL20-03-38	
DL20-03-39	
DL20-03-40	
DL20-03-41	
DL20-03-42	108.75
DL20-03-43	
DL20-03-44	1192.0
DL20-03-45	995.03
DL20-03-46	
DL20-03-47	
DL20-03-48	1174.0
DL20-03-49	
DL20-03-50	1171.4

Analyte Symbol	Total Weight
Unit Symbol	g
Lower Limit	
Method Code	FA-MeT
DL20-03-51	
DL20-03-52	
DL20-03-53	
DL20-03-54	
DL20-03-55	
DL20-03-56	
DL20-03-57	
DL20-03-58	
DL20-03-59	
DL20-03-60	
DL20-03-61	
DL20-03-62	
DL20-03-63	
DL20-03-64	
DL20-03-65	
DL20-03-66	
DL20-03-67	
DL20-03-68	
DL20-03-69	
DL20-03-70	
DL20-03-71	
DL20-03-72	
DL20-03-73	
DL20-03-74	
DL20-03-75	
DL20-03-76	
DL20-03-77	
DL20-03-78	
DL20-03-78a	
DL20-03-79	
DL20-03-80	
DL20-03-81	
DL20-03-82	
DL20-03-83	
DL20-03-84	
DL20-03-85	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	68	1000	1	23	95	122	7.01	221	< 10	698	0.9	3	0.13	13	78	5.48	20	2	1.11	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.4	< 0.5	75	1060	1	25	99	127	7.43	228	< 10	734	0.9	3	0.14	14	81	5.87	20	2	1.18	10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 922 (AQUA REGIA) Meas		1.0	< 0.5	2230	735	< 1	34	62	257	2.93	7		79	0.8	10	0.42	19	46	5.15	< 10		0.49	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2170	729	< 1	34	61	253	2.89	6		77	0.8	9	0.41	19	44	4.99	< 10		0.48	38
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4400	851	< 1	33	84	339	3.00	7		67	0.7	27	0.43	22	42	6.00	< 10		0.43	36
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.8	< 0.5	4300	842	< 1	33	81	326	2.97	6		66	0.7	21	0.43	22	42	5.84	< 10		0.42	36
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 621 (Aqua Regia) Meas		69.7	297	3630	526	13	26	> 5000	> 10000	1.83	79			0.6	7	1.68	30	34	3.36	10	4	0.39	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		69.7	296	3630	528	13	25	> 5000	> 10000	1.83	77			0.6	7	1.71	30	32	3.33	< 10	4	0.38	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas				350	166	1	224	5	27	7.48			134	1.1	5	0.07	39	343	13.9	20	< 1	0.11	11
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 45f (Aqua Regia) Meas				346	161	< 1	221	9	26	7.39			133	1.0	3	0.07	37	338	13.6	20	< 1	0.11	11
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 238 (Fire Assay) Meas	3050																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3040																						
OREAS 238 (Fire	3030																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Cert																							
OREAS 238 (Fire Assay) Meas	2950																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3050																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas	505																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	505																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	501																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	500																						
Oreas E1336 (Fire Assay) Cert	510																						
DL20-03-07 Orig		< 0.2	< 0.5	122	646	< 1	88	< 2	57	2.65	< 2	< 10	19	< 0.5	< 2	4.57	28	149	4.60	< 10	3	0.12	< 10
DL20-03-07 Dup		0.2	< 0.5	121	644	< 1	85	< 2	58	2.65	< 2	< 10	19	< 0.5	< 2	4.53	28	147	4.59	< 10	2	0.12	< 10
DL20-03-19 Orig	40																						
DL20-03-19 Dup	28																						
DL20-03-20 Orig		0.3	< 0.5	54	550	2	30	< 2	35	2.13	< 2	< 10	91	< 0.5	< 2	2.26	16	22	3.75	< 10	< 1	0.36	21
DL20-03-20 Dup		0.2	< 0.5	53	543	2	29	< 2	35	2.09	< 2	< 10	89	< 0.5	< 2	2.22	15	21	3.70	< 10	< 1	0.36	21
DL20-03-22 Orig	18																						
DL20-03-22 Dup	20																						
DL20-03-34 Orig		0.7	0.7	205	829	< 1	69	9	182	0.90	3	< 10	14	< 0.5	< 2	3.88	33	24	10.3	< 10	2	0.11	< 10
DL20-03-34 Dup		0.7	0.6	208	849	1	71	10	186	0.93	3	< 10	15	< 0.5	< 2	3.86	35	24	10.6	< 10	1	0.11	< 10
DL20-03-44 Orig	> 5000																						
DL20-03-44 Dup	> 5000																						
DL20-03-50 Orig	> 5000	5.5	< 0.5	199	724	< 1	30	2	65	1.01	8	< 10	< 10	< 0.5	< 2	2.49	12	19	17.7	< 10	< 1	0.07	< 10
DL20-03-50 Split PREP DUP	> 5000	5.7	< 0.5	194	716	< 1	29	2	64	1.00	5	< 10	< 10	< 0.5	3	2.48	14	18	17.3	< 10	< 1	0.07	< 10
DL20-03-51 Orig		1.8	< 0.5	124	735	< 1	21	4	34	0.48	< 2	< 10	< 10	< 0.5	< 2	4.01	9	30	12.8	< 10	2	0.09	< 10
DL20-03-51 Dup		1.9	< 0.5	124	739	< 1	20	5	34	0.48	< 2	< 10	< 10	< 0.5	2	4.05	11	30	12.7	< 10	2	0.09	< 10
DL20-03-57 Orig	16																						
DL20-03-57 Dup	13																						
DL20-03-63 Orig		0.4	< 0.5	156	1130	< 1	28	4	137	1.29	3	< 10	16	< 0.5	< 2	4.90	19	22	10.4	< 10	1	0.08	< 10
DL20-03-63 Dup		0.4	0.7	156	1140	< 1	27	4	136	1.30	< 2	< 10	16	< 0.5	< 2	4.73	21	22	10.5	< 10	2	0.08	< 10
DL20-03-76 Orig		0.4	< 0.5	66	402	< 1	18	4	64	1.74	< 2	< 10	42	0.5	< 2	2.11	12	11	9.45	< 10	2	0.23	11

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
DL20-03-76 Dup		0.4	< 0.5	66	400	< 1	21	5	63	1.70	< 2	< 10	42	0.5	< 2	2.08	13	11	9.39	< 10	2	0.22	11
DL20-03-78 Orig	7																						
DL20-03-78 Dup	6																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Total Au	Total Weight
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT
GXR-6 Meas	0.39	0.134	0.033	0.01	3	20	29		< 20	< 1	< 2	< 10	168	< 10	4	7			
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110			
GXR-6 Meas	0.42	0.137	0.035	0.01	3	21	30		< 20	< 1	< 2	< 10	175	< 10	5	6			
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110			
OREAS 922 (AQUA REGIA) Meas	1.36	0.033	0.061	0.37	3	4	16		< 20		< 2	< 10	36	< 10	20	18			
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 922 (AQUA REGIA) Meas	1.33	0.033	0.059	0.38	< 2	4	16		< 20		< 2	< 10	35	< 10	19	10			
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 923 (AQUA REGIA) Meas	1.45		0.060	0.68	2	4	15		< 20		< 2	< 10	36	< 10	18	30			
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5			
OREAS 923 (AQUA REGIA) Meas	1.43		0.059	0.67	2	4	14		< 20		< 2	< 10	36	< 10	18	24			
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5			
Oreas 621 (Aqua Regia) Meas	0.44	0.176	0.033	4.72	126	3	18		< 20		< 2	< 10	13	< 10	7	67			
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0			
Oreas 621 (Aqua Regia) Meas	0.44	0.177	0.033	4.68	109	3	18		< 20		3	< 10	13	< 10	7	60			
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0			
OREAS 229b (Fire Assay) Meas																	11.9	11.7	
OREAS 229b (Fire Assay) Cert																	11.9	11.9	
OREAS 229b (Fire Assay) Meas																	12.1		
OREAS 229b (Fire Assay) Cert																	11.9		
OREAS 45f (Aqua Regia) Meas	0.18	0.051	0.020	0.02		29	14	0.12	< 20		< 2	< 10	202		5	13			
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0			
OREAS 45f (Aqua Regia) Meas	0.18	0.051	0.020	0.02		29	14	0.10	< 20		< 2	< 10	198		5	11			
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0			
OREAS 238 (Fire Assay) Meas																			
OREAS 238 (Fire Assay) Cert																			
OREAS 238 (Fire																			

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Total Au	Total Weight
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT
Assay) Meas																			
OREAS 238 (Fire Assay) Cert																			
OREAS 238 (Fire Assay) Meas																			
OREAS 238 (Fire Assay) Cert																			
OREAS 238 (Fire Assay) Meas																			
OREAS 238 (Fire Assay) Cert																			
OREAS 257b (Fire Assay) Meas																	13.9	14.3	
OREAS 257b (Fire Assay) Cert																	14.2	14.2	
OREAS 257b (Fire Assay) Meas																	14.1		
OREAS 257b (Fire Assay) Cert																	14.2		
Oreas E1336 (Fire Assay) Meas																			
Oreas E1336 (Fire Assay) Cert																			
Oreas E1336 (Fire Assay) Meas																			
Oreas E1336 (Fire Assay) Cert																			
Oreas E1336 (Fire Assay) Meas																			
Oreas E1336 (Fire Assay) Cert																			
Oreas E1336 (Fire Assay) Meas																			
Oreas E1336 (Fire Assay) Cert																			
DL20-03-07 Orig	2.27	0.205	0.028	0.14	< 2	15	22	0.18	< 20	3	< 2	< 10	119	< 10	7	3			
DL20-03-07 Dup	2.27	0.207	0.027	0.13	< 2	15	21	0.17	< 20	< 1	< 2	< 10	119	< 10	7	2			
DL20-03-19 Orig																			
DL20-03-19 Dup																			
DL20-03-20 Orig	1.22	0.099	0.068	0.33	< 2	8	29	0.24	< 20	3	< 2	< 10	66	< 10	13	18			
DL20-03-20 Dup	1.20	0.096	0.068	0.32	< 2	8	28	0.24	< 20	3	< 2	< 10	64	< 10	13	20			
DL20-03-22 Orig																			
DL20-03-22 Dup																			
DL20-03-34 Orig	0.74	0.032	0.043	5.98	3	3	27	0.06	< 20	< 1	< 2	< 10	32	< 10	5	11			
DL20-03-34 Dup	0.76	0.032	0.044	6.02	3	3	27	0.06	< 20	< 1	< 2	< 10	33	< 10	5	11			
DL20-03-44 Orig																		17.6	1192.0
DL20-03-44 Dup																			
DL20-03-50 Orig	0.70	0.124	0.181	8.64	7	2	36	0.07	< 20	1	< 2	< 10	21	< 10	6	18	17.1		
DL20-03-50 Split PREP DUP	0.69	0.125	0.178	8.27	6	2	36	0.07	< 20	< 1	< 2	< 10	20	< 10	6	17	19.1		
DL20-03-51 Orig	0.37	0.109	0.222	6.84	5	< 1	65	0.03	< 20	< 1	< 2	< 10	11	< 10	5	10			
DL20-03-51 Dup	0.38	0.109	0.223	6.79	5	< 1	64	0.03	< 20	< 1	< 2	< 10	11	< 10	6	10			
DL20-03-57 Orig																			
DL20-03-57 Dup																			

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Total Au	Total Weight
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT
DL20-03-63 Orig	0.36	0.063	0.070	2.89	4	3	52	0.05	< 20	< 1	< 2	< 10	27	< 10	6	8			
DL20-03-63 Dup	0.36	0.063	0.070	2.70	4	3	52	0.05	< 20	1	< 2	< 10	27	< 10	6	8			
DL20-03-76 Orig	0.70	0.061	0.085	1.48	< 2	2	89	0.08	< 20	< 1	< 2	< 10	29	< 10	5	13			
DL20-03-76 Dup	0.70	0.058	0.085	1.48	3	2	86	0.08	< 20	2	< 2	< 10	28	< 10	5	12			
DL20-03-78 Orig																			
DL20-03-78 Dup																			
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank																			
Method Blank																			
Method Blank																			
Method Blank																			
Method Blank																			
Method Blank																			
Method Blank																	< 0.03		
Method Blank																		< 0.03	
Method Blank																	< 0.03		

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-09631**
Report Date: **20-Aug-20**
Date Submitted: **19-Aug-20**
Your Reference:

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

45 Crushed Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2020-08-20 16:17:42

REPORT **A20-09631**

Notes:

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.03
Method Code	FA-GRA
DL-20-32-RJ	< 0.03
DL-20-33-RJ	< 0.03
DL-20-34-RJ	1.13
DL-20-35-RJ	0.46
DL-20-36-RJ	1.48
DL-20-37-RJ	0.47
DL-20-38-RJ	0.43
DL-20-40-RJ	< 0.03
DL-20-41-RJ	0.16
DL-20-42-RJ	10.4
DL-20-43-RJ	0.33
DL-20-44-RJ	17.3
DL-20-45-RJ	6.23
DL-20-46-RJ	< 0.03
DL-20-47-RJ	< 0.03
DL-20-48-RJ	8.22
DL-20-50-RJ	16.2
DL-20-51-RJ	2.63
DL-20-52-RJ	< 0.03
DL-20-53-RJ	2.22
DL-20-54-RJ	< 0.03
DL-20-55-RJ	< 0.03
DL-20-56-RJ	< 0.03
DL-20-57-RJ	< 0.03
DL-20-58-RJ	0.06
DL-20-60-RJ	0.20
DL-20-61-RJ	< 0.03
DL-20-62-RJ	< 0.03
DL-20-63-RJ	< 0.03
DL-20-64-RJ	< 0.03
DL-20-65-RJ	< 0.03
DL-20-66-RJ	0.08
DL-20-67-RJ	< 0.03
DL-20-68-RJ	< 0.03
DL-20-69-RJ	< 0.03
DL-20-70-RJ	< 0.03
DL-20-71-RJ	0.19
DL-20-72-RJ	0.15
DL-20-73-RJ	< 0.03
DL-20-75-RJ	< 0.03
DL-20-76-RJ	< 0.03
DL-20-77-RJ	< 0.03
DL-20-78-RJ	< 0.03
DL-20-78a-RJ	< 0.03
DL-20-79-RJ	< 0.03

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.03
Method Code	FA-GRA
OREAS 229b (Fire Assay) Meas	11.7
OREAS 229b (Fire Assay) Cert	11.9
OREAS 229b (Fire Assay) Meas	11.9
OREAS 229b (Fire Assay) Cert	11.9
OREAS 257b (Fire Assay) Meas	14.1
OREAS 257b (Fire Assay) Cert	14.2
OREAS 257b (Fire Assay) Meas	14.4
OREAS 257b (Fire Assay) Cert	14.2
DL-20-41-RJ Orig	0.17
DL-20-41-RJ Dup	0.16
DL-20-50-RJ Orig	16.6
DL-20-50-RJ Dup	15.9
DL-20-51-RJ Orig	2.74
DL-20-51-RJ Dup	2.53
DL-20-66-RJ Orig	0.07
DL-20-66-RJ Dup	0.10
DL-20-78-RJ Orig	< 0.03
DL-20-78-RJ Dup	< 0.03
Method Blank	< 0.03
Method Blank	< 0.03
Method Blank	< 0.03
Method Blank	< 0.03

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-05588**
Report Date: **20-Apr-21**
Date Submitted: **05-Apr-21**
Your Reference: **Dona**

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

10 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-04-20 14:15:26

REPORT **A21-05588**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
DL21-007-110	160
DL20-003-086	11
DL20-003-087	< 5
DL20-003-088	< 5
DL20-003-089	30
DL20-003-090	12
DL20-003-091	6
DL20-003-092	5
DL20-003-093	10
DL20-003-094	6

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Oreas E1336 (Fire Assay) Meas	509
Oreas E1336 (Fire Assay) Cert	510
DL20-003-087 Orig	< 5
DL20-003-087 Dup	< 5
Method Blank	< 5

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-16429**
Report Date: **01-Feb-21**
Date Submitted: **21-Dec-20**
Your Reference:

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

94 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-01-07 17:07:15
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-01-11 12:42:23
1A4 (100mesh)-Tbay	QOP AA-Au (Au-Fire Assay-Metallic Screen-500g)	2021-01-12 16:22:09
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2021-01-15 12:57:50

REPORT **A20-16429**

Notes:

A representative 500 gram split is seived at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

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

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: Sample DL-20-004-028 and DL-20-004-054 are insufficient.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
DL-20-004-001	< 5	< 0.2	< 0.5	70	1160	< 1	84	< 2	59	3.80	< 2	< 10	< 10	< 0.5	2	7.51	31	77	5.95	< 10	2	0.06	< 10
DL-20-004-002	13	< 0.2	< 0.5	95	794	< 1	68	< 2	60	3.33	< 2	< 10	< 10	< 0.5	3	1.88	28	97	5.73	< 10	< 1	0.12	< 10
DL-20-004-003	6	< 0.2	< 0.5	143	1580	< 1	67	< 2	27	1.40	< 2	< 10	< 10	< 0.5	< 2	8.24	23	59	3.24	< 10	< 1	0.04	< 10
DL-20-004-004	7	< 0.2	< 0.5	31	1030	< 1	21	< 2	41	2.11	< 2	< 10	71	< 0.5	< 2	3.76	9	27	2.37	< 10	< 1	0.66	< 10
DL-20-004-005	15	< 0.2	< 0.5	29	1360	< 1	21	3	45	1.42	< 2	< 10	54	< 0.5	< 2	6.59	9	26	2.34	< 10	< 1	0.55	< 10
DL-20-004-006	21	< 0.2	< 0.5	31	1060	< 1	25	< 2	43	2.03	< 2	< 10	87	< 0.5	< 2	3.12	10	35	3.24	< 10	< 1	0.58	< 10
DL-20-004-007	6	< 0.2	< 0.5	34	925	< 1	23	< 2	41	2.03	< 2	< 10	114	< 0.5	< 2	3.39	9	44	2.96	< 10	< 1	0.59	< 10
DL-20-004-008	9	< 0.2	< 0.5	37	1160	< 1	27	< 2	33	2.04	< 2	< 10	102	< 0.5	< 2	3.36	10	42	3.30	< 10	< 1	0.47	< 10
DL-20-004-009	6	< 0.2	< 0.5	39	1220	< 1	38	< 2	41	1.58	< 2	< 10	146	< 0.5	< 2	4.99	16	68	3.10	< 10	< 1	0.51	< 10
DL-20-004-010	< 5	< 0.2	< 0.5	49	1080	< 1	25	< 2	28	1.16	< 2	< 10	80	< 0.5	< 2	4.93	10	39	2.32	< 10	< 1	0.29	< 10
DL-20-004-011	< 5	< 0.2	< 0.5	55	1400	< 1	31	< 2	31	1.28	< 2	< 10	99	< 0.5	< 2	5.96	11	50	2.66	< 10	< 1	0.33	< 10
DL-20-004-012	< 5	< 0.2	< 0.5	52	1280	< 1	21	< 2	47	2.78	< 2	< 10	100	< 0.5	< 2	5.35	17	28	3.74	< 10	2	0.31	< 10
DL-20-004-013	< 5	< 0.2	< 0.5	54	1490	< 1	36	< 2	28	1.38	< 2	< 10	56	< 0.5	< 2	7.19	12	46	3.16	< 10	< 1	0.24	< 10
DL-20-004-014	< 5	< 0.2	< 0.5	41	1340	< 1	32	2	28	1.68	< 2	< 10	48	< 0.5	< 2	6.90	11	44	3.03	< 10	< 1	0.21	< 10
DL-20-004-015	< 5	< 0.2	< 0.5	41	1150	< 1	32	< 2	52	1.91	< 2	< 10	73	< 0.5	< 2	4.13	12	48	3.15	< 10	< 1	0.29	< 10
DL-20-004-016	< 5	< 0.2	< 0.5	5	94	< 1	< 1	< 2	14	4.08	< 2	< 10	11	< 0.5	< 2	0.17	< 1	5	0.53	< 10	< 1	1.31	< 10
DL-20-004-017	< 5	0.2	< 0.5	94	1370	< 1	62	5	127	2.67	< 2	< 10	47	< 0.5	< 2	4.23	20	79	5.27	< 10	1	0.21	< 10
DL-20-004-018	< 5	0.3	< 0.5	81	1240	< 1	105	3	64	2.39	< 2	< 10	52	< 0.5	< 2	5.51	28	102	4.99	< 10	< 1	0.27	< 10
DL-20-004-019	< 5	0.3	< 0.5	90	1550	< 1	122	4	160	3.60	< 2	< 10	42	< 0.5	2	5.00	35	161	5.97	< 10	< 1	0.23	< 10
DL-20-004-020	58	< 0.2	< 0.5	20	366	< 1	20	3	41	1.39	< 2	< 10	84	< 0.5	< 2	1.45	10	26	2.34	< 10	< 1	0.85	16
DL-20-004-021	248	1.2	0.6	160	1060	7	78	28	100	2.40	< 2	< 10	120	< 0.5	< 2	7.31	37	120	5.37	< 10	1	0.93	< 10
DL-20-004-022	< 5	0.2	< 0.5	128	954	< 1	85	< 2	42	2.30	< 2	< 10	51	< 0.5	< 2	5.71	30	135	4.14	< 10	< 1	0.34	< 10
DL-20-004-023	< 5	< 0.2	< 0.5	135	1210	< 1	64	4	34	1.17	< 2	< 10	16	< 0.5	< 2	5.39	38	63	4.67	< 10	< 1	0.07	< 10
DL-20-004-024	5	< 0.2	< 0.5	111	930	< 1	42	4	21	0.90	< 2	< 10	< 10	< 0.5	< 2	4.80	43	53	3.87	< 10	< 1	0.03	< 10
DL-20-004-025	< 5	< 0.2	< 0.5	136	1100	< 1	45	3	28	0.90	< 2	< 10	10	< 0.5	< 2	5.02	41	58	4.03	< 10	< 1	0.04	< 10
DL-20-004-026	6	< 0.2	< 0.5	139	1480	< 1	60	3	50	1.09	< 2	< 10	33	< 0.5	< 2	5.59	37	70	5.29	< 10	3	0.09	< 10
DL-20-004-027	8	0.2	< 0.5	127	1090	< 1	56	3	35	1.09	< 2	< 10	33	< 0.5	< 2	4.94	40	71	4.91	< 10	< 1	0.18	< 10
DL-20-004-028	3960																						
DL-20-004-029	< 5	< 0.2	< 0.5	136	782	< 1	47	3	28	1.32	< 2	< 10	23	< 0.5	< 2	4.31	41	58	4.18	< 10	1	0.07	< 10
DL-20-004-030	< 5	< 0.2	< 0.5	147	776	< 1	52	3	36	1.26	< 2	< 10	29	< 0.5	< 2	4.06	44	65	4.61	< 10	2	0.08	< 10
DL-20-004-031	6	< 0.2	< 0.5	141	515	< 1	40	< 2	28	1.25	< 2	< 10	< 10	< 0.5	< 2	2.33	46	59	4.12	< 10	< 1	0.04	< 10
DL-20-004-032	11	< 0.2	< 0.5	148	664	< 1	51	2	33	1.45	< 2	< 10	18	< 0.5	< 2	2.21	48	68	5.25	< 10	< 1	0.06	< 10
DL-20-004-033	11	< 0.2	< 0.5	130	607	< 1	46	4	28	1.15	< 2	< 10	14	< 0.5	< 2	2.90	43	56	5.06	< 10	1	0.05	< 10
DL-20-004-034	12	< 0.2	< 0.5	148	506	< 1	52	4	26	1.08	< 2	< 10	10	< 0.5	< 2	1.96	48	53	5.15	< 10	1	0.04	< 10
DL-20-004-035	13	< 0.2	< 0.5	135	705	< 1	52	3	38	1.47	< 2	< 10	24	< 0.5	< 2	2.59	46	61	4.94	< 10	1	0.15	< 10
DL-20-004-036	< 5	< 0.2	< 0.5	164	561	< 1	38	3	22	1.12	< 2	< 10	15	< 0.5	< 2	2.23	48	44	3.97	< 10	< 1	0.04	< 10
DL-20-004-037	6	< 0.2	< 0.5	124	832	< 1	38	3	18	1.21	< 2	< 10	< 10	< 0.5	< 2	4.37	43	46	3.23	< 10	< 1	0.02	< 10
DL-20-004-038	< 5	< 0.2	< 0.5	2	104	< 1	< 1	< 2	12	4.38	< 2	10	< 10	< 0.5	2	0.16	< 1	6	0.61	< 10	< 1	1.37	< 10
DL-20-004-039	< 5	0.3	< 0.5	158	895	< 1	73	4	53	1.49	< 2	< 10	26	< 0.5	< 2	3.66	47	71	4.81	< 10	3	0.07	< 10
DL-20-004-040	6	< 0.2	< 0.5	116	768	< 1	70	4	30	1.13	< 2	< 10	< 10	< 0.5	< 2	3.75	48	71	4.78	< 10	1	0.04	< 10
DL-20-004-041	6	0.2	< 0.5	96	871	< 1	93	3	32	1.46	2	< 10	36	< 0.5	< 2	3.62	39	151	4.35	< 10	1	0.08	12
DL-20-004-042	5	0.2	< 0.5	127	1470	< 1	66	3	21	0.97	< 2	< 10	< 10	< 0.5	< 2	6.40	37	43	4.45	< 10	< 1	0.03	< 10
DL-20-004-043	< 5	< 0.2	< 0.5	7	92	3	4	< 2	4	0.07	< 2	< 10	< 10	< 0.5	< 2	0.23	1	37	0.56	< 10	< 1	< 0.01	< 10
DL-20-004-044	5	0.2	< 0.5	125	965	< 1	90	3	53	1.61	< 2	< 10	40	< 0.5	< 2	4.12	43	109	5.76	< 10	1	0.29	< 10
DL-20-004-045	10	0.3	< 0.5	170	761	< 1	73	5	31	1.36	< 2	< 10	52	< 0.5	< 2	3.91	45	61	4.86	< 10	< 1	0.16	< 10
DL-20-004-046	10	< 0.2	< 0.5	119	532	< 1	63	< 2	15	1.07	< 2	< 10	18	< 0.5	< 2	3.04	40	40	3.18	< 10	< 1	0.04	< 10
DL-20-004-047	6	0.2	< 0.5	176	1110	< 1	67	2	31	1.16	< 2	< 10	45	< 0.5	< 2	5.21	37	51	3.55	< 10	< 1	0.08	< 10
DL-20-004-048	8	0.4	< 0.5	423	836	< 1	114	3	38	1.80	< 2	< 10	29	< 0.5	< 2	3.75	52	74	6.47	< 10	2	0.21	< 10
DL-20-004-049	6	0.3	< 0.5	224	1120	< 1	93	3	42	1.86	< 2	< 10	27	< 0.5	< 2	5.46	35	71	4.59	< 10	1	0.16	< 10
DL-20-004-050	37	1.7	< 0.5	418	540	< 1	3	4	39	1.15	< 2	< 10	29	< 0.5	< 2	1.88	15	4	3.98	< 10	< 1	0.73	20
DL-20-004-051	11	< 0.2	< 0.5	92	620	< 1	101	10	137	3.11	< 2	< 10	78	< 0.5	< 2	3.34	36	103	5.39	< 10	2	0.38	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
DL-20-004-052	24	0.9	1.4	343	929	2	93	39	708	1.48	< 2	< 10	27	< 0.5	< 2	2.34	69	25	11.9	< 10	2	0.15	11
DL-20-004-053	6	< 0.2	< 0.5	21	328	< 1	8	17	68	1.14	< 2	< 10	93	< 0.5	< 2	0.67	7	16	1.91	< 10	< 1	0.39	14
DL-20-004-054	4170																						
DL-20-004-055	745	0.5	0.7	188	597	2	45	10	381	0.95	3	< 10	11	< 0.5	< 2	2.58	34	25	6.21	< 10	< 1	0.07	< 10
DL-20-004-056	301	0.7	< 0.5	174	516	3	66	11	190	1.23	5	< 10	12	< 0.5	< 2	1.19	62	39	7.40	< 10	1	0.09	14
DL-20-004-057	30	1.0	1.9	334	478	3	83	52	852	1.66	< 2	< 10	20	< 0.5	3	0.77	79	44	10.0	< 10	3	0.11	19
DL-20-004-058	< 5	< 0.2	< 0.5	2	76	< 1	< 1	< 2	13	4.90	< 2	12	< 10	< 0.5	2	0.16	< 1	1	0.37	< 10	< 1	1.36	< 10
DL-20-004-059	18	0.8	1.8	270	625	2	66	20	770	1.54	< 2	< 10	13	< 0.5	< 2	1.97	53	47	7.15	< 10	2	0.13	11
DL-20-004-060	31	1.0	5.0	378	658	3	92	37	2090	1.92	2	< 10	28	< 0.5	4	1.59	85	45	9.33	< 10	< 1	0.17	17
DL-20-004-061	13	< 0.2	< 0.5	185	487	< 1	66	6	142	2.44	< 2	< 10	102	< 0.5	< 2	4.03	26	82	4.09	< 10	2	0.26	< 10
DL-20-004-062	9	< 0.2	< 0.5	175	568	< 1	100	8	83	3.02	< 2	< 10	45	< 0.5	< 2	3.16	33	97	4.63	< 10	2	0.25	< 10
DL-20-004-063	158	1.2	1.6	357	712	2	68	17	730	0.90	7	< 10	< 10	< 0.5	< 2	3.73	74	44	12.7	< 10	< 1	0.05	< 10
DL-20-004-064	1670	1.2	1.6	444	765	2	58	17	634	0.92	3	< 10	< 10	< 0.5	2	2.40	54	36	11.6	< 10	1	0.05	< 10
DL-20-004-065	121	< 0.2	< 0.5	27	997	< 1	3	17	239	1.82	< 2	< 10	63	< 0.5	< 2	1.99	9	6	4.05	< 10	< 1	0.32	20
DL-20-004-066	79	0.7	2.3	247	735	2	42	19	1020	1.62	4	< 10	37	< 0.5	3	1.89	52	20	9.59	< 10	2	0.32	15
DL-20-004-067	28	< 0.2	< 0.5	7	373	1	< 1	4	44	0.62	< 2	< 10	64	< 0.5	< 2	1.22	< 1	10	1.27	< 10	< 1	0.18	35
DL-20-004-068	133	0.3	< 0.5	118	956	1	27	8	99	1.67	< 2	< 10	36	< 0.5	2	3.50	18	42	7.71	< 10	< 1	0.68	15
DL-20-004-069	2990	0.4	< 0.5	113	551	< 1	15	11	85	0.63	4	< 10	41	< 0.5	< 2	3.11	4	17	13.6	< 10	< 1	0.11	< 10
DL-20-004-070	723	0.4	< 0.5	37	413	< 1	11	7	39	0.92	5	< 10	116	< 0.5	< 2	2.86	5	15	13.7	< 10	< 1	0.36	< 10
DL-20-004-071	348	0.4	< 0.5	44	481	< 1	12	11	48	0.67	4	< 10	79	< 0.5	< 2	3.09	4	15	12.9	< 10	< 1	0.20	< 10
DL-20-004-072	1880	0.6	0.9	96	1380	< 1	35	56	534	1.80	< 2	< 10	71	< 0.5	< 2	2.84	15	35	11.9	< 10	1	0.29	< 10
DL-20-004-073	137	0.5	< 0.5	130	1050	< 1	41	12	188	0.81	< 2	< 10	31	< 0.5	< 2	3.84	17	10	11.3	< 10	2	0.09	< 10
DL-20-004-074	< 5	< 0.2	< 0.5	< 1	65	< 1	< 1	< 2	10	4.67	< 2	11	< 10	< 0.5	3	0.16	< 1	< 1	0.30	< 10	< 1	1.26	< 10
DL-20-004-075	80	0.8	0.9	233	1080	< 1	53	12	411	0.90	5	< 10	51	< 0.5	< 2	3.37	19	15	12.4	< 10	< 1	0.13	< 10
DL-20-004-076	196	0.5	0.8	133	1330	< 1	60	11	312	1.19	77	< 10	68	< 0.5	< 2	4.33	18	103	11.8	< 10	< 1	0.18	< 10
DL-20-004-077	53	< 0.2	< 0.5	22	881	< 1	71	6	51	2.47	16	< 10	26	< 0.5	4	3.47	23	209	7.29	< 10	1	0.11	10
DL-20-004-078	950	0.3	< 0.5	60	934	< 1	28	9	168	1.01	5	< 10	37	< 0.5	< 2	4.02	10	27	10.9	< 10	1	0.09	< 10
DL-20-004-079	17	< 0.2	< 0.5	27	690	< 1	7	12	69	2.42	< 2	< 10	205	< 0.5	< 2	2.51	18	8	5.12	< 10	2	0.98	26
DL-20-004-080	959	0.3	< 0.5	29	252	< 1	10	8	31	0.30	< 2	< 10	31	< 0.5	3	2.24	2	5	11.4	< 10	2	0.05	< 10
DL-20-004-081	4140	0.6	< 0.5	57	234	1	16	12	66	0.34	< 2	< 10	46	0.5	3	1.62	5	9	8.26	< 10	1	0.07	< 10
DL-20-004-082	> 5000	1.5	< 0.5	97	381	< 1	24	14	68	0.72	3	< 10	66	< 0.5	< 2	2.43	6	7	9.82	< 10	< 1	0.17	< 10
DL-20-004-083	> 5000	8.2	< 0.5	76	422	< 1	18	13	30	0.44	< 2	< 10	44	< 0.5	< 2	3.09	6	8	9.49	< 10	< 1	0.08	< 10
DL-20-004-084	1300	< 0.2	< 0.5	4	524	< 1	35	8	36	1.36	2	< 10	33	0.6	3	3.27	10	106	4.43	< 10	< 1	0.08	< 10
DL-20-004-085	> 5000	0.7	< 0.5	163	351	< 1	39	13	30	0.44	5	< 10	36	< 0.5	< 2	3.00	14	7	13.1	< 10	< 1	0.07	< 10
DL-20-004-086	1520	4.7	2.4	9780	356	260	34	78	124	1.85	40	< 10	19	0.5	< 2	1.39	19	81	4.68	< 10	1	0.63	22
DL-20-004-087	959	0.4	< 0.5	45	452	< 1	15	12	31	0.59	< 2	< 10	61	< 0.5	< 2	2.86	3	12	12.3	< 10	2	0.11	< 10
DL-20-004-088	391	0.2	< 0.5	30	820	< 1	13	12	104	0.81	< 2	< 10	39	< 0.5	< 2	9.41	4	10	8.42	< 10	3	0.07	14
DL-20-004-089	716	0.3	< 0.5	42	312	< 1	11	10	57	0.25	4	< 10	24	< 0.5	< 2	1.51	4	8	14.0	< 10	< 1	0.03	< 10
DL-20-004-090	665	0.3	< 0.5	24	328	< 1	19	8	34	0.92	4	< 10	70	< 0.5	< 2	1.45	5	68	14.0	< 10	< 1	0.15	< 10
DL-20-004-091	2820	0.6	< 0.5	168	264	< 1	29	10	29	0.67	< 2	< 10	17	< 0.5	< 2	1.81	12	33	12.5	< 10	2	0.14	< 10
DL-20-004-092	2290	1.3	< 0.5	164	276	< 1	28	11	43	0.69	5	< 10	16	< 0.5	< 2	1.76	12	21	13.8	< 10	< 1	0.19	< 10
DL-20-004-093	595	0.8	< 0.5	121	498	< 1	26	8	33	0.99	< 2	< 10	30	< 0.5	< 2	2.42	15	56	11.5	< 10	1	0.33	< 10
DL-20-004-094	8	< 0.2	< 0.5	16	827	< 1	21	4	67	3.36	< 2	< 10	214	< 0.5	3	4.05	20	45	5.89	< 10	< 1	0.68	18

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	0.03	0.03	0.03		
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
DL-20-004-001	2.93	0.202	0.032	0.27	< 2	13	48	0.10	< 20	< 1	< 2	< 10	126	< 10	7	2							
DL-20-004-002	3.31	0.198	0.029	0.02	3	13	10	0.19	< 20	2	< 2	< 10	127	< 10	8	2							
DL-20-004-003	1.05	0.185	0.029	0.26	< 2	12	33	0.14	< 20	4	< 2	< 10	91	< 10	9	2							
DL-20-004-004	0.49	0.268	0.021	0.17	< 2	3	77	0.14	< 20	< 1	< 2	< 10	35	< 10	2	9							
DL-20-004-005	0.51	0.113	0.018	0.15	< 2	2	68	0.08	< 20	1	< 2	< 10	29	< 10	2	7							
DL-20-004-006	0.75	0.106	0.023	0.13	< 2	5	30	0.12	< 20	< 1	< 2	< 10	47	< 10	3	10							
DL-20-004-007	0.81	0.082	0.023	0.09	< 2	6	20	0.13	< 20	< 1	< 2	< 10	50	< 10	4	10							
DL-20-004-008	1.08	0.088	0.023	0.05	< 2	6	21	0.13	< 20	< 1	< 2	< 10	57	< 10	4	10							
DL-20-004-009	1.03	0.109	0.027	0.08	< 2	7	34	0.15	< 20	< 1	< 2	< 10	80	< 10	5	7							
DL-20-004-010	0.81	0.089	0.023	0.12	< 2	4	33	0.11	< 20	2	< 2	< 10	45	< 10	4	8							
DL-20-004-011	0.89	0.095	0.022	0.14	< 2	5	44	0.12	< 20	2	< 2	< 10	47	< 10	3	8							
DL-20-004-012	1.51	0.114	0.050	0.08	< 2	7	35	0.19	< 20	4	< 2	< 10	90	< 10	5	10							
DL-20-004-013	0.84	0.086	0.021	0.39	< 2	5	47	0.11	< 20	< 1	< 2	< 10	48	< 10	3	8							
DL-20-004-014	0.90	0.066	0.021	0.26	< 2	5	38	0.11	< 20	< 1	< 2	< 10	48	< 10	4	7							
DL-20-004-015	0.96	0.085	0.023	0.28	< 2	5	24	0.12	< 20	< 1	< 2	< 10	54	< 10	3	7							
DL-20-004-016	0.03	2.81	0.001	< 0.01	< 2	< 1	14	< 0.01	< 20	< 1	< 2	< 10	1	< 10	2	< 1							
DL-20-004-017	1.45	0.111	0.026	0.78	< 2	8	21	0.15	< 20	< 1	< 2	< 10	74	< 10	5	6							
DL-20-004-018	1.48	0.127	0.023	0.90	< 2	8	37	0.16	< 20	< 1	< 2	< 10	79	< 10	5	5							
DL-20-004-019	2.04	0.080	0.027	0.62	< 2	16	31	0.22	< 20	3	< 2	< 10	142	< 10	7	4							
DL-20-004-020	0.83	0.105	0.044	0.18	< 2	3	16	0.16	< 20	2	< 2	< 10	40	< 10	5	31							
DL-20-004-021	1.41	0.157	0.024	2.16	< 2	12	156	0.18	< 20	1	< 2	< 10	123	< 10	6	10							
DL-20-004-022	1.44	0.232	0.030	0.26	< 2	12	54	0.19	< 20	< 1	< 2	< 10	115	< 10	8	2							
DL-20-004-023	0.92	0.138	0.038	2.35	< 2	9	26	0.30	< 20	4	< 2	< 10	99	< 10	7	2							
DL-20-004-024	0.62	0.085	0.036	2.63	< 2	7	33	0.33	< 20	5	< 2	< 10	89	< 10	9	3							
DL-20-004-025	0.69	0.121	0.038	3.04	< 2	9	24	0.33	< 20	4	< 2	< 10	95	< 10	10	3							
DL-20-004-026	0.93	0.102	0.037	2.94	< 2	9	28	0.30	< 20	2	< 2	< 10	106	< 10	8	3							
DL-20-004-027	0.95	0.113	0.035	3.36	< 2	9	23	0.30	< 20	3	< 2	< 10	103	< 10	8	3							
DL-20-004-028																	4.20						
DL-20-004-029	0.90	0.117	0.035	2.56	< 2	8	36	0.33	< 20	4	< 2	< 10	95	< 10	6	3							
DL-20-004-030	0.94	0.136	0.038	3.05	< 2	10	30	0.33	< 20	5	< 2	< 10	100	< 10	7	3							
DL-20-004-031	0.97	0.136	0.040	2.70	< 2	9	35	0.34	< 20	5	< 2	< 10	99	< 10	7	3							
DL-20-004-032	1.16	0.136	0.041	4.30	2	10	38	0.35	< 20	3	< 2	< 10	115	< 10	8	4							
DL-20-004-033	1.04	0.100	0.039	4.64	2	8	28	0.32	< 20	4	< 2	< 10	94	< 10	6	3							
DL-20-004-034	0.88	0.080	0.040	4.83	< 2	7	34	0.31	< 20	3	< 2	< 10	88	< 10	6	4							
DL-20-004-035	1.10	0.099	0.040	3.69	< 2	8	42	0.35	< 20	4	< 2	< 10	100	< 10	6	4							
DL-20-004-036	0.52	0.075	0.041	3.19	< 2	7	45	0.36	< 20	6	< 2	< 10	79	< 10	6	5							
DL-20-004-037	0.48	0.054	0.037	2.25	< 2	7	57	0.34	< 20	5	< 2	< 10	78	< 10	6	4							
DL-20-004-038	0.03	2.91	< 0.001	< 0.01	< 2	< 1	16	< 0.01	< 20	1	< 2	< 10	< 1	< 10	2	< 1							
DL-20-004-039	1.00	0.116	0.038	2.77	2	10	36	0.35	< 20	3	< 2	< 10	113	< 10	8	5							
DL-20-004-040	0.71	0.087	0.050	3.83	< 2	7	47	0.33	< 20	4	< 2	< 10	94	< 10	7	6							
DL-20-004-041	1.04	0.090	0.086	2.20	< 2	7	48	0.28	< 20	5	< 2	< 10	84	< 10	6	6							
DL-20-004-042	0.56	0.079	0.031	3.03	< 2	7	48	0.30	< 20	1	< 2	< 10	77	< 10	8	4							
DL-20-004-043	0.04	0.017	< 0.001	0.06	< 2	< 1	3	0.01	< 20	< 1	< 2	< 10	5	< 10	< 1	< 1							
DL-20-004-044	1.50	0.117	0.050	2.65	< 2	12	34	0.33	< 20	5	< 2	< 10	148	< 10	10	3							
DL-20-004-045	0.82	0.084	0.036	2.29	< 2	8	53	0.32	< 20	5	< 2	< 10	90	< 10	7	4							
DL-20-004-046	0.29	0.043	0.037	1.83	< 2	7	53	0.36	< 20	6	< 2	< 10	76	< 10	7	4							
DL-20-004-047	0.65	0.098	0.036	1.24	< 2	7	48	0.30	< 20	3	< 2	< 10	80	< 10	6	3							
DL-20-004-048	1.17	0.160	0.020	2.86	< 2	10	46	0.31	< 20	2	< 2	< 10	105	< 10	8	3							

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	0.03	0.03	0.03		
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
DL-20-004-049	1.39	0.190	0.031	0.90	3	11	45	0.27	< 20	4	< 2	< 10	104	< 10	6	3							
DL-20-004-050	0.87	0.080	0.108	3.42	< 2	8	12	0.25	< 20	3	< 2	< 10	87	< 10	11	47							
DL-20-004-051	1.89	0.126	0.027	0.84	< 2	12	32	0.21	< 20	1	< 2	< 10	120	< 10	5	2							
DL-20-004-052	0.87	0.038	0.026	5.73	4	5	22	0.11	< 20	2	< 2	< 10	43	< 10	11	30							
DL-20-004-053	0.51	0.113	0.041	0.35	< 2	2	13	0.13	< 20	1	< 2	< 10	24	< 10	3	29							
DL-20-004-054																	3.99						
DL-20-004-055	0.55	0.060	0.017	2.60	< 2	4	29	0.06	< 20	5	< 2	< 10	31	< 10	9	17							
DL-20-004-056	0.87	0.062	0.022	3.33	3	6	16	0.09	< 20	3	< 2	< 10	51	< 10	9	30							
DL-20-004-057	1.14	0.054	0.029	6.10	3	8	9	0.14	< 20	2	< 2	< 10	57	< 10	10	52							
DL-20-004-058	0.03	2.88	0.001	< 0.01	< 2	< 1	16	< 0.01	< 20	< 1	3	< 10	< 1	< 10	2	< 1							
DL-20-004-059	0.89	0.028	0.026	3.90	3	6	17	0.11	< 20	2	< 2	< 10	55	< 10	8	21							
DL-20-004-060	0.97	0.028	0.027	5.86	< 2	7	16	0.13	< 20	2	< 2	< 10	43	< 10	12	47							
DL-20-004-061	1.65	0.107	0.025	0.79	< 2	10	37	0.17	< 20	3	< 2	< 10	93	< 10	6	4							
DL-20-004-062	2.10	0.204	0.027	0.25	< 2	12	33	0.18	< 20	2	< 2	< 10	109	< 10	6	2							
DL-20-004-063	0.47	0.020	0.031	6.68	4	4	19	0.06	< 20	1	< 2	< 10	34	< 10	7	20	0.15						
DL-20-004-064	0.54	0.021	0.049	6.07	3	3	21	0.06	< 20	< 1	< 2	< 10	30	< 10	9	21	1.43						
DL-20-004-065	1.01	0.086	0.120	0.50	< 2	3	25	0.16	< 20	1	< 2	< 10	52	< 10	8	16	< 0.03						
DL-20-004-066	0.91	0.058	0.061	4.81	3	6	28	0.19	< 20	< 1	< 2	< 10	78	25	9	31	< 0.03						
DL-20-004-067	0.14	0.086	0.019	0.12	< 2	1	16	0.05	< 20	< 1	< 2	< 10	9	< 10	6	24	< 0.03						
DL-20-004-068	1.11	0.074	0.083	1.74	2	5	69	0.18	< 20	3	< 2	< 10	87	< 10	8	20	0.10						
DL-20-004-069	0.20	0.047	0.079	1.93	5	< 1	102	0.03	< 20	1	< 2	< 10	17	< 10	5	10	0.99						
DL-20-004-070	0.62	0.054	0.095	0.78	4	3	62	0.07	< 20	< 1	< 2	< 10	41	< 10	5	10	0.76						
DL-20-004-071	0.38	0.046	0.082	1.32	5	2	97	0.04	< 20	3	< 2	< 10	27	< 10	5	8	0.40						
DL-20-004-072	1.13	0.193	0.062	1.97	5	3	38	0.08	< 20	< 1	< 2	< 10	44	< 10	5	17	1.82						
DL-20-004-073	0.22	0.121	0.081	5.15	3	< 1	135	0.03	< 20	< 1	< 2	< 10	10	< 10	5	12	< 0.03						
DL-20-004-074	0.04	2.70	< 0.001	< 0.01	< 2	< 1	15	< 0.01	< 20	1	< 2	< 10	< 1	< 10	2	< 1	< 0.03						
DL-20-004-075	0.19	0.149	0.053	4.11	4	1	117	0.03	< 20	1	< 2	< 10	10	< 10	5	15	< 0.03						
DL-20-004-076	0.28	0.117	0.053	2.60	4	3	112	0.07	< 20	< 1	< 2	< 10	34	< 10	5	16	< 0.03						
DL-20-004-077	2.06	0.056	0.064	0.05	3	7	26	0.24	< 20	4	< 2	< 10	113	< 10	6	9	< 0.03						
DL-20-004-078	0.40	0.043	0.076	1.90	4	2	81	0.04	< 20	< 1	< 2	< 10	19	< 10	5	11	0.80						
DL-20-004-079	1.81	0.079	0.114	0.18	< 2	11	50	0.29	< 20	4	< 2	< 10	134	< 10	10	17	< 0.03						
DL-20-004-080	0.16	0.037	0.082	1.33	5	< 1	55	0.01	< 20	4	< 2	< 10	11	< 10	4	5	0.99	0.75	1.08	1.13	1.09	14.43	465.41
DL-20-004-081	0.11	0.045	0.085	2.64	4	< 1	57	0.02	< 20	3	< 2	< 10	9	< 10	4	6	3.76	2.50	3.37	3.58	3.44	16.65	460.65
DL-20-004-082	0.21	0.066	0.076	3.27	3	< 1	67	0.02	< 20	4	< 2	< 10	11	< 10	4	7	11.0	25.9	13.4	10.2	12.3	16.65	477.32
DL-20-004-083	0.15	0.053	0.091	3.01	2	< 1	77	0.01	< 20	3	< 2	< 10	7	< 10	4	5	8.35	18.6	7.84	7.78	8.07	12.16	498.70
DL-20-004-084	1.29	0.175	0.046	0.20	< 2	8	28	0.18	< 20	2	< 2	< 10	68	< 10	7	12	1.14	1.47	0.86	0.75	0.82	10.08	494.69
DL-20-004-085	0.18	0.050	0.089	6.72	5	< 1	42	0.02	< 20	< 1	< 2	< 10	10	< 10	4	8	4.67	32.1	5.81	7.31	7.49	18.02	475.72
DL-20-004-086	0.84	0.056	0.076	2.71	15	6	55	0.04	< 20	< 1	< 2	< 10	65	< 10	9	6	1.49						
DL-20-004-087	0.20	0.059	0.082	1.91	4	< 1	74	0.03	< 20	1	< 2	< 10	18	< 10	5	9	0.95	0.53	1.04	1.00	1.00	18.66	465.26
DL-20-004-088	0.83	0.037	0.069	1.50	< 2	< 1	56	0.02	< 20	2	< 2	< 10	13	< 10	12	7	0.29						
DL-20-004-089	0.16	0.043	0.081	1.39	4	< 1	29	0.01	< 20	1	< 2	< 10	9	< 10	4	6	0.72						
DL-20-004-090	0.81	0.054	0.088	0.94	5	2	17	0.06	< 20	< 1	< 2	< 10	34	< 10	4	8	0.71						
DL-20-004-091	0.40	0.059	0.082	4.86	4	1	24	0.04	< 20	2	< 2	< 10	16	< 10	4	8	3.22						
DL-20-004-092	0.41	0.043	0.080	4.19	5	2	26	0.04	< 20	< 1	< 2	< 10	26	< 10	4	7	2.36						
DL-20-004-093	0.84	0.051	0.080	3.07	4	3	28	0.08	< 20	< 1	< 2	< 10	39	< 10	4	7	0.63						
DL-20-004-094	2.18	0.082	0.089	0.07	< 2	9	58	0.25	< 20	4	< 2	< 10	139	< 10	8	7							

Analyte Symbol	Total Weight
Unit Symbol	g
Lower Limit	
Method Code	FA-MeT
DL-20-004-001	
DL-20-004-002	
DL-20-004-003	
DL-20-004-004	
DL-20-004-005	
DL-20-004-006	
DL-20-004-007	
DL-20-004-008	
DL-20-004-009	
DL-20-004-010	
DL-20-004-011	
DL-20-004-012	
DL-20-004-013	
DL-20-004-014	
DL-20-004-015	
DL-20-004-016	
DL-20-004-017	
DL-20-004-018	
DL-20-004-019	
DL-20-004-020	
DL-20-004-021	
DL-20-004-022	
DL-20-004-023	
DL-20-004-024	
DL-20-004-025	
DL-20-004-026	
DL-20-004-027	
DL-20-004-028	
DL-20-004-029	
DL-20-004-030	
DL-20-004-031	
DL-20-004-032	
DL-20-004-033	
DL-20-004-034	
DL-20-004-035	
DL-20-004-036	
DL-20-004-037	
DL-20-004-038	
DL-20-004-039	
DL-20-004-040	
DL-20-004-041	
DL-20-004-042	
DL-20-004-043	
DL-20-004-044	
DL-20-004-045	
DL-20-004-046	
DL-20-004-047	
DL-20-004-048	
DL-20-004-049	
DL-20-004-050	

Analyte Symbol	Total Weight
Unit Symbol	g
Lower Limit	
Method Code	FA-MeT
DL-20-004-051	
DL-20-004-052	
DL-20-004-053	
DL-20-004-054	
DL-20-004-055	
DL-20-004-056	
DL-20-004-057	
DL-20-004-058	
DL-20-004-059	
DL-20-004-060	
DL-20-004-061	
DL-20-004-062	
DL-20-004-063	
DL-20-004-064	
DL-20-004-065	
DL-20-004-066	
DL-20-004-067	
DL-20-004-068	
DL-20-004-069	
DL-20-004-070	
DL-20-004-071	
DL-20-004-072	
DL-20-004-073	
DL-20-004-074	
DL-20-004-075	
DL-20-004-076	
DL-20-004-077	
DL-20-004-078	
DL-20-004-079	
DL-20-004-080	479.84
DL-20-004-081	477.30
DL-20-004-082	494.00
DL-20-004-083	510.86
DL-20-004-084	504.77
DL-20-004-085	493.74
DL-20-004-086	
DL-20-004-087	483.92
DL-20-004-088	
DL-20-004-089	
DL-20-004-090	
DL-20-004-091	
DL-20-004-092	
DL-20-004-093	
DL-20-004-094	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 98 (Aqua Regia) Meas		40.4		> 10000				270	1120						49		102						
OREAS 98 (Aqua Regia) Cert		42.8		147000				343	1300						93		111						
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2220	747	< 1	35	61	249	2.76	4		92	0.7	8	0.38	18	46	5.02	< 10		0.45	38
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4510	868	< 1	32	85	338	2.84	10		77	0.6	22	0.39	22	42	5.99	< 10		0.39	36
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 96 (Aqua Regia) Meas		11.3		> 10000				94	405						71		46						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 621 (Aqua Regia) Meas		69.6	284	3440	526	13	24	> 5000	> 10000	1.66	74			0.5	6	1.54	31	32	3.19	10	4	0.34	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas				354	167	< 1	227	14	26	6.97			163	1.0	6	0.07	38	349	13.8	20	< 1	0.10	11
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 238 (Fire Assay) Meas	3030																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3160																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3150																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b																							

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(Fire Assay) Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas	477																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	514																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	523																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	521																						
Oreas E1336 (Fire Assay) Cert	510																						
DL-20-004-009 Orig	6																						
DL-20-004-009 Dup	6																						
DL-20-004-013 Orig		< 0.2	< 0.5	53	1480	< 1	36	< 2	28	1.36	< 2	< 10	55	< 0.5	< 2	7.15	12	45	3.12	< 10	< 1	0.23	< 10
DL-20-004-013 Dup		< 0.2	< 0.5	54	1500	< 1	36	< 2	28	1.39	< 2	< 10	56	< 0.5	< 2	7.22	12	46	3.20	< 10	< 1	0.24	< 10
DL-20-004-019 Orig	< 5																						
DL-20-004-019 Dup	< 5																						
DL-20-004-023 Orig	< 5																						
DL-20-004-023 Dup	< 5																						
DL-20-004-027 Orig		0.2	< 0.5	127	1080	< 1	56	3	35	1.07	< 2	< 10	31	< 0.5	< 2	5.04	40	70	4.88	< 10	1	0.18	< 10
DL-20-004-027 Dup		0.2	< 0.5	127	1090	< 1	55	4	34	1.11	< 2	< 10	36	< 0.5	< 2	4.84	39	72	4.93	< 10	< 1	0.18	< 10
DL-20-004-040 Orig		< 0.2	< 0.5	117	768	< 1	70	3	31	1.15	2	< 10	< 10	< 0.5	< 2	3.78	47	71	4.79	< 10	2	0.04	< 10
DL-20-004-040 Dup		< 0.2	< 0.5	116	768	< 1	70	5	29	1.12	< 2	< 10	< 10	< 0.5	< 2	3.72	49	71	4.78	< 10	1	0.04	< 10
DL-20-004-044 Orig	5																						
DL-20-004-044 Dup	5																						
DL-20-004-050 Orig	37	1.7	< 0.5	418	540	< 1	3	4	39	1.15	< 2	< 10	29	< 0.5	< 2	1.88	15	4	3.98	< 10	< 1	0.73	20
DL-20-004-050 Split PREP DUP	38	1.7	< 0.5	423	520	< 1	2	4	38	1.18	< 2	< 10	28	< 0.5	< 2	1.77	16	4	4.13	< 10	1	0.74	21
DL-20-004-053 Orig	6	< 0.2	< 0.5	21	328	< 1	8	17	67	1.14	< 2	< 10	93	< 0.5	< 2	0.67	7	16	1.91	< 10	< 1	0.39	14
DL-20-004-053 Dup	6	< 0.2	< 0.5	21	329	< 1	8	17	68	1.15	< 2	< 10	93	< 0.5	< 2	0.67	7	16	1.92	< 10	< 1	0.39	14
DL-20-004-057	36																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Orig																							
DL-20-004-057 Dup	24																						
DL-20-004-064 Orig																							
DL-20-004-064 Dup																							
DL-20-004-071 Orig																							
DL-20-004-071 Dup																							
DL-20-004-076 Orig		0.5	0.8	130	1320	< 1	57	11	306	1.18	80	< 10	77	< 0.5	< 2	4.27	17	101	11.4	< 10	< 1	0.17	< 10
DL-20-004-076 Dup		0.5	0.8	137	1340	< 1	63	11	317	1.20	74	< 10	59	< 0.5	< 2	4.40	19	106	12.1	< 10	2	0.18	< 10
DL-20-004-080 Orig																							
DL-20-004-080 Dup																							
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
Method Blank																							
Method Blank	5																						
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank																							

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	0.03	0.03	0.03		
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OREAS 98 (Aqua Regia) Meas					18																		
OREAS 98 (Aqua Regia) Cert					15																		
OREAS 922 (AQUA REGIA) Meas	1.28	0.029	0.070	0.38	2	4	16		< 20		< 2	< 10	36	< 10	20	30							
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3							
OREAS 923 (AQUA REGIA) Meas	1.40		0.067	0.71	< 2	4	15		< 20		< 2	< 10	36	< 10	18	33							
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5							
Oreas 96 (Aqua Regia) Meas				3.86	7																		
Oreas 96 (Aqua Regia) Cert				4.38	4.53																		
Oreas 621 (Aqua Regia) Meas	0.41	0.159	0.036	4.60	112	2	19		< 20		< 2	< 10	13	< 10	7	69							
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0							
OREAS 229b (Fire Assay) Meas																	11.9				12.2		
OREAS 229b (Fire Assay) Cert																	11.9				11.9		
OREAS 229b (Fire Assay) Meas																	12.0				12.0		
OREAS 229b (Fire Assay) Cert																	11.9				11.9		
OREAS 229b (Fire Assay) Meas																	11.9						
OREAS 229b (Fire Assay) Cert																	11.9						
OREAS 45f (Aqua Regia) Meas	0.17	0.046	0.023	0.02		26	15	0.10	< 20		< 2	< 10	208		5	14							
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 257b (Fire Assay) Meas																	13.5				14.5		
OREAS 257b (Fire Assay) Cert																	14.2				14.2		

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	0.03	0.03	0.03		
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OREAS 257b (Fire Assay) Meas																	14.5				14.3		
OREAS 257b (Fire Assay) Cert																	14.2				14.2		
OREAS 257b (Fire Assay) Meas																	14.2						
OREAS 257b (Fire Assay) Cert																	14.2						
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
DL-20-004-009 Orig																							
DL-20-004-009 Dup																							
DL-20-004-013 Orig	0.83	0.085	0.021	0.39	< 2	5	47	0.11	< 20	< 1	< 2	< 10	48	< 10	3	8							
DL-20-004-013 Dup	0.85	0.087	0.022	0.40	< 2	5	47	0.11	< 20	< 1	< 2	< 10	49	< 10	3	8							
DL-20-004-019 Orig																							
DL-20-004-019 Dup																							
DL-20-004-023 Orig																							
DL-20-004-023 Dup																							
DL-20-004-027 Orig	0.94	0.110	0.035	3.53	< 2	9	22	0.30	< 20	4	< 2	< 10	101	< 10	7	3							
DL-20-004-027 Dup	0.96	0.116	0.035	3.19	< 2	9	23	0.31	< 20	2	< 2	< 10	104	< 10	8	3							
DL-20-004-040 Orig	0.71	0.086	0.050	3.85	< 2	8	48	0.34	< 20	3	< 2	< 10	95	< 10	7	6							
DL-20-004-040 Dup	0.71	0.088	0.050	3.80	< 2	7	47	0.33	< 20	4	< 2	< 10	93	< 10	7	5							
DL-20-004-044 Orig																							
DL-20-004-044 Dup																							
DL-20-004-050 Orig	0.87	0.080	0.108	3.42	< 2	8	12	0.25	< 20	3	< 2	< 10	87	< 10	11	47							
DL-20-004-050	0.86	0.093	0.110	3.67	< 2	8	12	0.28	< 20	4	< 2	< 10	89	< 10	12	54							

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	0.03	0.03	0.03		
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Split PREP DUP																							
DL-20-004-053 Orig	0.51	0.114	0.041	0.35	< 2	2	13	0.13	< 20	1	< 2	< 10	24	< 10	3	30							
DL-20-004-053 Dup	0.51	0.112	0.041	0.36	< 2	2	13	0.13	< 20	2	< 2	< 10	24	< 10	3	28							
DL-20-004-057 Orig																							
DL-20-004-057 Dup																							
DL-20-004-064 Orig																	1.39						
DL-20-004-064 Dup																	1.47						
DL-20-004-071 Orig																	0.33						
DL-20-004-071 Dup																	0.46						
DL-20-004-076 Orig	0.27	0.118	0.052	2.28	4	3	111	0.07	< 20	< 1	< 2	< 10	34	< 10	5	16							
DL-20-004-076 Dup	0.28	0.116	0.054	2.91	4	3	114	0.07	< 20	2	< 2	< 10	35	< 10	5	16							
DL-20-004-080 Orig																	1.01	0.75	1.08	1.13	1.09	14.43	465.41
DL-20-004-080 Dup																	0.98						
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																	< 0.03						
Method Blank																	< 0.03						
Method Blank																							
Method Blank																	< 0.03						
Method Blank																	< 0.03						
Method Blank																					< 0.03		
Method Blank	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1							
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1							
Method Blank																					< 0.03		

Analyte Symbol	Total Weight
Unit Symbol	g
Lower Limit	
Method Code	FA-MeT
OREAS 98 (Aqua Regia) Meas	
OREAS 98 (Aqua Regia) Cert	
OREAS 922 (AQUA REGIA) Meas	
OREAS 922 (AQUA REGIA) Cert	
OREAS 923 (AQUA REGIA) Meas	
OREAS 923 (AQUA REGIA) Cert	
Oreas 96 (Aqua Regia) Meas	
Oreas 96 (Aqua Regia) Cert	
Oreas 621 (Aqua Regia) Meas	
Oreas 621 (Aqua Regia) Cert	
OREAS 229b (Fire Assay) Meas	
OREAS 229b (Fire Assay) Cert	
OREAS 229b (Fire Assay) Meas	
OREAS 229b (Fire Assay) Cert	
OREAS 229b (Fire Assay) Meas	
OREAS 229b (Fire Assay) Cert	
OREAS 45f (Aqua Regia) Meas	
OREAS 45f (Aqua Regia) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
OREAS 238 (Fire Assay) Meas	
OREAS 238 (Fire Assay) Cert	
OREAS 257b (Fire Assay) Meas	
OREAS 257b (Fire Assay) Cert	
OREAS 257b (Fire Assay) Meas	

Analyte Symbol	Total Weight
Unit Symbol	g
Lower Limit	
Method Code	FA-MeT
OREAS 257b (Fire Assay) Cert	
OREAS 257b (Fire Assay) Meas	
OREAS 257b (Fire Assay) Cert	
Oreas E1336 (Fire Assay) Meas	
Oreas E1336 (Fire Assay) Cert	
Oreas E1336 (Fire Assay) Meas	
Oreas E1336 (Fire Assay) Cert	
Oreas E1336 (Fire Assay) Meas	
Oreas E1336 (Fire Assay) Cert	
Oreas E1336 (Fire Assay) Meas	
Oreas E1336 (Fire Assay) Cert	
DL-20-004-009 Orig	
DL-20-004-009 Dup	
DL-20-004-013 Orig	
DL-20-004-013 Dup	
DL-20-004-019 Orig	
DL-20-004-019 Dup	
DL-20-004-023 Orig	
DL-20-004-023 Dup	
DL-20-004-027 Orig	
DL-20-004-027 Dup	
DL-20-004-040 Orig	
DL-20-004-040 Dup	
DL-20-004-044 Orig	
DL-20-004-044 Dup	
DL-20-004-050 Orig	
DL-20-004-050 Split PREP DUP	
DL-20-004-053 Orig	
DL-20-004-053 Dup	

Analyte Symbol	Total Weight
Unit Symbol	g
Lower Limit	
Method Code	FA-MeT
DL-20-004-057 Orig	
DL-20-004-057 Dup	
DL-20-004-064 Orig	
DL-20-004-064 Dup	
DL-20-004-071 Orig	
DL-20-004-071 Dup	
DL-20-004-076 Orig	
DL-20-004-076 Dup	
DL-20-004-080 Orig	479.84
DL-20-004-080 Dup	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	0.00000
Method Blank	
Method Blank	
Method Blank	

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-01675**
Report Date: **11-Feb-21**
Date Submitted: **01-Feb-21**
Your Reference:

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

ATTN: Sandy Stares (res)

CERTIFICATE OF ANALYSIS

16 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-02-11 11:03:16

REPORT **A21-01675**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
DL20-004-095	6
DL20-004-096	60
DL20-004-097	< 5
DL20-004-098	33
DL20-004-099	53
DL20-004-100	183
DL20-004-101	14
DL20-004-102	335
DL20-004-103	72
DL20-004-104	6
DL20-004-105	23
DL20-004-106	27
DL20-004-107	< 5
DL20-004-108	30
DL20-004-109	9
DL20-004-110	10

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 238 (Fire Assay) Meas	3120
OREAS 238 (Fire Assay) Cert	3030
Oreas E1336 (Fire Assay) Meas	522
Oreas E1336 (Fire Assay) Cert	510
DL20-004-103 Orig	69
DL20-004-103 Dup	75
Method Blank	< 5

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-15727-Au**
Report Date: **17-Dec-20**
Date Submitted: **07-Dec-20**
Your Reference: **Dona**

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

68 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2020-12-08 14:58:15
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2020-12-09 15:45:43
1A4 (100mesh)-Tbay	QOP AA-Au (Au-Fire Assay-Metallic Screen-500g)	2020-12-10 11:29:31

REPORT **A20-15727-Au**

Notes:

A representative 500 gram split is seived at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

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

Footnote: Samples DL20-005-14, DL20-006-23 and DL20-006-49 was insufficient for further analysis.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
DL20-005-01	12								
DL20-005-02	56								
DL20-005-03	16								
DL20-005-04	19								
DL20-005-05	45								
DL20-005-06	7								
DL20-005-07	14								
DL20-005-08	433								
DL20-005-09	108								
DL20-005-10	36								
DL20-005-11	82								
DL20-005-12	9								
DL20-005-13	63								
DL20-005-14	1500								
DL20-005-15	64								
DL20-005-16	92								
DL-20-006-001	25								
DL20-006-002	19								
DL20-006-003	9								
DL20-006-004	30								
DL20-006-005	65								
DL20-006-006	19								
DL20-006-007	6								
DL20-006-008	7								
DL20-006-009	21								
DL20-006-010	45								
DL20-006-011	18								
DL20-006-012	5								
DL20-006-013	369								
DL20-006-014	509								
DL20-006-015	> 5000	6.46	11.0	6.30	5.93	6.32	20.20	455.56	475.76
DL20-006-016	27								
DL20-006-017	396								
DL20-006-018	56								
DL20-006-019	133								
DL20-006-020	205								
DL20-006-021	98								
DL20-006-022	100								
DL20-006-023	1300								
DL20-006-024	123								
DL20-006-025	11								
DL20-006-026	636								
DL20-006-027	> 5000	5.57	23.8	5.72	5.48	6.17	15.28	472.04	487.32
DL20-006-028	849								
DL20-006-029	180								
DL20-006-030	3800	3.69							
DL20-006-031	736								
DL20-006-032	1940	1.21							

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
DL20-006-033	47								
DL20-006-034	> 5000	7.51	6.08	5.82	5.61	5.73	13.81	476.91	490.72
DL20-006-035	< 5								
DL20-006-036	78								
DL20-006-037	31								
DL20-006-038	51								
DL20-006-039	1160	1.26							
DL20-006-040	231								
DL20-006-041	567								
DL20-006-042	42								
DL20-006-043	> 5000	8.91	6.27	9.55	9.35	9.28	22.02	400.39	422.41
DL20-006-044	51								
DL20-006-045	> 5000	18.8	14.9	13.6	14.2	14.0	22.42	470.11	492.53
DL20-006-046	213								
DL20-006-047	878								
DL20-006-048	484								
DL20-006-049	3200								
DL20-006-050	38								
DL20-006-051	251								
DL20-006-052	18								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g
Lower Limit	5	0.03	0.03	
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT
OREAS 229b (Fire Assay) Meas		12.1	11.3	
OREAS 229b (Fire Assay) Cert		11.9	11.9	
OREAS 229b (Fire Assay) Meas		12.0	11.9	
OREAS 229b (Fire Assay) Cert		11.9	11.9	
OREAS 238 (Fire Assay) Meas	3120			
OREAS 238 (Fire Assay) Cert	3030			
OREAS 238 (Fire Assay) Meas	3100			
OREAS 238 (Fire Assay) Cert	3030			
OREAS 238 (Fire Assay) Meas	3030			
OREAS 238 (Fire Assay) Cert	3030			
OREAS 238 (Fire Assay) Meas	3130			
OREAS 238 (Fire Assay) Cert	3030			
OREAS 257b (Fire Assay) Meas		14.5	14.1	
OREAS 257b (Fire Assay) Cert		14.2	14.2	
OREAS 257b (Fire Assay) Meas		14.6	14.3	
OREAS 257b (Fire Assay) Cert		14.2	14.2	
Oreas E1336 (Fire Assay) Meas	516			
Oreas E1336 (Fire Assay) Cert	510			
Oreas E1336 (Fire Assay) Meas	528			
Oreas E1336 (Fire Assay) Cert	510			
DL20-005-10 Orig	36			
DL20-005-10 Dup	35			
DL20-006-004 Orig	29			
DL20-006-004 Dup	30			
DL20-006-014 Orig	527			
DL20-006-014 Dup	491			
DL20-006-027 Orig		5.23	6.17	487.32
DL20-006-027 Dup		5.91		
DL20-006-033 Orig	50			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g
Lower Limit	5	0.03	0.03	
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT
DL20-006-033 Dup	43			
DL20-006-034 Orig	> 5000	7.51		
DL20-006-034 Split PREP DUP	> 5000	7.35		
DL20-006-038 Orig	58			
DL20-006-038 Dup	43			
DL20-006-044 Orig	52			
DL20-006-044 Dup	49			
DL20-006-048 Orig	480			
DL20-006-048 Dup	487			
Method Blank	< 5			
Method Blank	5			
Method Blank		< 0.03		
Method Blank		< 0.03		
Method Blank	5			
Method Blank			< 0.03	
Method Blank		< 0.03		
Method Blank			< 0.03	
Method Blank	< 5			

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-15727-1E3**
Report Date: **13-Jan-21**
Date Submitted: **07-Dec-20**
Your Reference: **Dona**

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

68 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2020-12-29 14:53:29

REPORT **A20-15727-1E3**

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
DL20-005-01	0.2	< 0.5	136	604	< 1	84	3	79	3.08	< 2	< 10	32	< 0.5	< 2	3.60	31	78	4.01	< 10	< 1	0.19	< 10	1.61
DL20-005-02	0.9	1.6	442	890	1	96	13	534	1.20	< 2	< 10	11	< 0.5	< 2	1.07	79	23	9.64	< 10	2	0.21	< 10	0.56
DL20-005-03	0.8	2.0	248	447	3	64	14	770	1.87	< 2	< 10	24	0.6	< 2	0.53	68	26	7.48	< 10	1	0.39	17	0.93
DL20-005-04	0.9	< 0.5	250	324	6	47	39	62	1.63	< 2	< 10	24	0.5	< 2	0.81	43	53	5.13	< 10	< 1	0.29	10	0.84
DL20-005-05	1.1	< 0.5	543	324	3	87	6	88	1.52	< 2	< 10	19	< 0.5	< 2	0.59	76	33	8.35	< 10	2	0.29	14	1.05
DL20-005-06	0.2	< 0.5	183	433	< 1	91	3	39	2.98	< 2	< 10	47	< 0.5	< 2	2.91	35	99	4.42	< 10	< 1	0.18	< 10	1.60
DL20-005-07	< 0.2	0.5	159	553	< 1	90	< 2	64	2.76	< 2	< 10	< 10	< 0.5	< 2	2.13	26	105	3.91	< 10	< 1	0.08	< 10	2.37
DL20-005-08	0.3	< 0.5	65	759	< 1	44	< 2	66	2.81	< 2	< 10	13	< 0.5	< 2	3.51	26	57	7.80	< 10	< 1	0.04	< 10	2.71
DL20-005-09	< 0.2	< 0.5	117	698	< 1	57	< 2	37	4.18	< 2	< 10	21	< 0.5	< 2	2.28	29	124	5.99	< 10	1	0.03	< 10	3.58
DL20-005-10	< 0.2	< 0.5	202	796	< 1	27	< 2	40	3.14	< 2	< 10	< 10	< 0.5	2	1.55	29	14	7.26	< 10	2	0.04	< 10	3.00
DL20-005-11	1.1	< 0.5	356	593	< 1	21	5	30	1.54	< 2	< 10	11	< 0.5	< 2	1.61	53	9	8.28	< 10	2	0.05	< 10	1.29
DL20-005-12	< 0.2	< 0.5	1	68	< 1	< 1	< 2	10	4.84	< 2	12	< 10	< 0.5	2	0.16	< 1	2	0.32	< 10	< 1	1.34	< 10	0.03
DL20-005-13	0.3	< 0.5	182	655	< 1	21	< 2	34	1.78	< 2	< 10	< 10	< 0.5	< 2	2.05	28	18	5.72	< 10	1	0.06	< 10	1.47
DL20-005-14	4.1	2.4	9760	336	227	33	72	119	1.64	39	< 10	14	< 0.5	< 2	1.29	19	71	4.46	< 10	< 1	0.53	20	0.85
DL20-005-15	< 0.2	< 0.5	144	666	< 1	36	2	32	2.17	< 2	< 10	< 10	< 0.5	< 2	1.63	37	18	6.46	< 10	< 1	0.06	< 10	1.81
DL20-005-16	0.3	< 0.5	255	620	< 1	33	< 2	102	1.93	< 2	< 10	12	< 0.5	< 2	2.13	32	10	4.83	< 10	2	0.11	< 10	1.60
DL-20-006-001	0.2	< 0.5	180	1150	< 1	46	< 2	37	1.96	< 2	< 10	33	< 0.5	< 2	5.43	20	49	7.06	< 10	1	0.18	< 10	1.52
DL20-006-002	1.5	0.9	682	1330	3	82	24	382	4.66	< 2	< 10	18	0.5	3	0.82	63	63	10.8	20	< 1	0.18	14	4.84
DL20-006-003	< 0.2	< 0.5	106	601	< 1	102	< 2	71	3.09	< 2	< 10	48	< 0.5	3	4.70	28	110	4.82	< 10	1	0.47	< 10	1.94
DL20-006-004	1.8	< 0.5	281	312	1	80	8	93	0.93	3	< 10	15	< 0.5	< 2	1.07	68	34	14.2	< 10	2	0.10	< 10	0.45
DL20-006-005	1.3	< 0.5	295	690	1	73	16	177	1.37	4	< 10	22	< 0.5	< 2	1.40	57	71	14.5	< 10	< 1	0.10	14	0.91
DL20-006-006	1.1	2.1	161	722	1	63	14	742	1.19	2	< 10	< 10	< 0.5	< 2	1.32	62	52	12.2	< 10	1	0.02	< 10	0.90
DL20-006-007	< 0.2	< 0.5	18	380	< 1	80	15	129	1.30	< 2	< 10	140	< 0.5	< 2	1.37	16	303	2.88	< 10	< 1	0.25	45	1.47
DL20-006-008	< 0.2	< 0.5	41	446	< 1	43	13	70	1.71	< 2	< 10	131	< 0.5	< 2	1.28	17	159	3.35	< 10	< 1	0.44	14	1.61
DL20-006-009	0.9	1.5	306	676	2	46	16	547	2.55	< 2	< 10	12	< 0.5	2	1.59	35	54	7.63	< 10	2	0.88	15	1.49
DL20-006-010	< 0.2	0.7	27	748	< 1	10	5	159	1.19	< 2	< 10	71	< 0.5	< 2	2.34	8	29	3.83	< 10	< 1	0.38	20	0.42
DL20-006-011	0.4	2.8	86	971	< 1	30	9	624	1.44	< 2	< 10	25	< 0.5	< 2	3.40	13	47	8.25	< 10	3	0.31	11	0.59
DL20-006-012	< 0.2	< 0.5	< 1	86	< 1	< 1	< 2	14	4.85	< 2	15	< 10	< 0.5	2	0.17	< 1	2	0.43	< 10	< 1	1.32	< 10	0.04
DL20-006-013	0.4	< 0.5	22	524	< 1	10	6	68	0.40	< 2	< 10	24	< 0.5	6	2.64	4	39	11.5	< 10	2	0.06	< 10	0.11
DL20-006-014	0.2	< 0.5	8	222	< 1	6	< 2	19	0.38	< 2	< 10	39	< 0.5	< 2	1.92	4	33	14.4	< 10	2	0.05	< 10	0.13
DL20-006-015	0.9	< 0.5	75	447	< 1	26	5	42	0.70	< 2	< 10	27	< 0.5	3	3.14	11	24	9.28	< 10	2	0.20	< 10	0.33
DL20-006-016	< 0.2	< 0.5	14	544	< 1	6	9	69	1.35	< 2	< 10	210	< 0.5	< 2	1.59	8	47	3.17	< 10	< 1	0.54	20	0.66
DL20-006-017	0.2	0.6	39	658	< 1	17	6	138	0.87	< 2	< 10	46	< 0.5	4	3.71	9	61	9.81	< 10	2	0.11	< 10	0.30
DL20-006-018	< 0.2	< 0.5	24	677	< 1	30	4	91	2.53	< 2	< 10	176	< 0.5	< 2	2.70	11	84	4.69	< 10	< 1	1.30	20	1.40
DL20-006-019	0.5	0.9	121	1260	< 1	39	10	242	1.01	< 2	< 10	30	< 0.5	< 2	4.67	15	88	12.1	< 10	1	0.17	< 10	0.34
DL20-006-020	0.4	< 0.5	59	745	< 1	23	6	43	0.46	< 2	< 10	33	< 0.5	< 2	3.91	10	110	9.00	< 10	< 1	0.09	< 10	0.18
DL20-006-021	0.2	< 0.5	22	233	< 1	11	2	31	0.21	4	< 10	25	< 0.5	7	1.63	6	9	17.3	< 10	< 1	0.03	< 10	0.12
DL20-006-022	0.2	< 0.5	24	259	< 1	12	< 2	58	0.30	9	< 10	86	< 0.5	5	2.09	7	4	17.2	< 10	< 1	0.04	< 10	0.16
DL20-006-023	3.9	2.3	9470	329	211	32	70	117	1.58	38	< 10	< 10	< 0.5	< 2	1.28	20	70	4.38	< 10	< 1	0.51	19	0.82
DL20-006-024	0.3	1.0	43	351	< 1	17	3	213	0.48	9	< 10	31	< 0.5	3	1.90	6	7	16.8	< 10	< 1	0.06	< 10	0.20
DL20-006-025	0.2	< 0.5	54	822	< 1	13	4	72	4.13	< 2	< 10	855	0.7	3	3.30	19	7	6.34	< 10	< 1	2.00	19	2.22
DL20-006-026	< 0.2	< 0.5	27	452	< 1	17	< 2	44	0.81	< 2	< 10	41	< 0.5	5	1.92	8	16	14.4	< 10	2	0.13	< 10	0.33
DL20-006-027	0.9	< 0.5	179	453	< 1	36	< 2	62	1.26	< 2	< 10	12	< 0.5	< 2	1.80	18	19	13.9	< 10	2	0.22	< 10	0.57
DL20-006-028	0.4	< 0.5	69	397	< 1	20	2	98	1.39	3	< 10	47	< 0.5	5	2.03	10	18	12.0	< 10	1	0.21	< 10	0.60
DL20-006-029	0.3	< 0.5	53	438	< 1	19	5	85	1.84	< 2	< 10	18	< 0.5	2	1.18	20	21	9.91	< 10	2	0.49	15	1.19
DL20-006-030	1.3	< 0.5	674	260	< 1	65	3	38	1.64	< 2	< 10	< 10	< 0.5	21	0.52	30	4	15.4	< 10	2	0.25	22	0.67
DL20-006-031	< 0.2	< 0.5	32	382	1	8	3	68	2.11	< 2	< 10	216	< 0.5	< 2	1.18	9	13	3.75	< 10	< 1	0.37	24	1.22
DL20-006-032	0.3	< 0.5	34	498	< 1	18	< 2	27	2.31	< 2	< 10	31	0.6	< 2	1.52	11	38	3.96	< 10	< 1	0.19	13	1.68
DL20-006-033	< 0.2	< 0.5	10	809	< 1	39	< 2	56	3.54	< 2	< 10	30	0.7	< 2	3.19	21	81	6.23	< 10	< 1	0.23	15	3.34
DL20-006-034	1.6	< 0.5	229	576	< 1	26	15	70	0.75	< 2	< 10	17	< 0.5	< 2	1.16	9	4	11.7	< 10	2	0.09	< 10	0.55
DL20-006-035	< 0.2	< 0.5	3	377	< 1	2	< 2	10	4.64	< 2	10	< 10	< 0.5	3	0.15	< 1	27	0.44	< 10	< 1	1.25	< 10	0.03

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
DL20-006-036	< 0.2	< 0.5	16	650	< 1	8	12	83	3.70	< 2	< 10	29	0.9	< 2	2.75	16	5	5.74	< 10	2	0.26	25	1.80
DL20-006-037	< 0.2	< 0.5	25	598	< 1	12	< 2	56	2.64	< 2	< 10	35	< 0.5	2	1.83	14	3	5.40	< 10	2	0.21	19	1.62
DL20-006-038	< 0.2	< 0.5	14	608	< 1	11	< 2	86	2.73	< 2	< 10	79	0.6	2	2.15	12	3	5.42	< 10	1	0.48	18	1.28
DL20-006-039	0.4	< 0.5	39	458	< 1	11	< 2	59	0.60	< 2	< 10	24	< 0.5	3	3.09	6	6	14.9	< 10	3	0.07	< 10	0.27
DL20-006-040	< 0.2	< 0.5	38	686	< 1	18	< 2	106	0.74	< 2	< 10	37	< 0.5	< 2	2.72	8	7	14.7	< 10	2	0.09	< 10	0.25
DL20-006-041	0.5	< 0.5	46	653	< 1	21	< 2	97	1.07	< 2	< 10	37	< 0.5	4	2.26	9	9	15.7	< 10	3	0.11	< 10	0.35
DL20-006-042	< 0.2	< 0.5	10	325	< 1	6	3	67	0.92	< 2	< 10	15	< 0.5	< 2	1.14	4	7	3.16	< 10	< 1	0.07	< 10	0.27
DL20-006-043	1.3	< 0.5	92	686	< 1	42	9	85	3.23	< 2	< 10	16	0.9	3	2.75	30	54	9.86	< 10	1	1.00	15	1.73
DL20-006-044	< 0.2	< 0.5	2	179	< 1	1	8	43	0.80	< 2	< 10	71	< 0.5	< 2	0.32	2	4	1.76	< 10	< 1	0.23	16	0.25
DL20-006-045	4.6	< 0.5	418	685	53	38	3	77	2.08	7	< 10	14	< 0.5	2	1.83	21	2	15.2	< 10	< 1	0.39	< 10	0.98
DL20-006-046	< 0.2	< 0.5	38	305	< 1	3	6	42	1.18	2	< 10	84	< 0.5	< 2	0.92	5	< 1	3.70	< 10	< 1	0.33	14	0.33
DL20-006-047	0.4	< 0.5	200	655	< 1	64	< 2	91	3.18	< 2	< 10	25	< 0.5	3	2.93	17	65	9.63	< 10	2	0.19	< 10	1.61
DL20-006-048	0.5	< 0.5	222	397	< 1	38	4	49	2.11	< 2	< 10	< 10	< 0.5	< 2	1.80	20	31	11.8	< 10	2	0.30	< 10	0.83
DL20-006-049	0.5	< 0.5	126	1010	< 1	130	13	60	4.05	1490	< 10	57	< 0.5	3	5.10	29	173	5.25	< 10	< 1	0.49	< 10	2.81
DL20-006-050	0.3	< 0.5	112	209	10	12	8	25	0.85	< 2	< 10	30	< 0.5	< 2	0.61	10	4	3.26	< 10	< 1	0.15	14	0.29
DL20-006-051	1.2	< 0.5	314	551	32	71	3	41	1.12	< 2	< 10	17	< 0.5	2	3.92	38	12	11.9	< 10	2	0.09	< 10	0.60
DL20-006-052	< 0.2	< 0.5	36	517	< 1	79	< 2	50	3.36	< 2	< 10	158	< 0.5	3	3.33	25	87	4.83	< 10	1	0.46	< 10	2.35

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
DL20-005-01	0.221	0.050	0.57	2	11	56	0.16	< 20	2	< 2	< 10	98	< 10	6	4
DL20-005-02	0.056	0.029	5.21	4	3	20	0.06	< 20	2	< 2	< 10	31	< 10	7	17
DL20-005-03	0.057	0.035	3.22	3	4	20	0.10	< 20	3	< 2	< 10	29	< 10	9	54
DL20-005-04	0.040	0.024	2.54	< 2	4	24	0.08	< 20	2	< 2	< 10	27	< 10	9	44
DL20-005-05	0.017	0.029	4.52	3	3	6	0.09	< 20	5	< 2	< 10	24	< 10	9	48
DL20-005-06	0.120	0.033	0.77	2	11	26	0.18	< 20	2	< 2	< 10	101	< 10	6	2
DL20-005-07	0.168	0.020	0.04	< 2	10	9	0.15	< 20	3	< 2	< 10	94	< 10	5	2
DL20-005-08	0.062	0.042	0.74	3	8	15	0.15	< 20	1	2	< 10	69	< 10	9	20
DL20-005-09	0.060	0.019	0.03	< 2	12	31	0.19	< 20	2	< 2	< 10	134	< 10	7	2
DL20-005-10	0.145	0.035	0.07	3	17	7	0.21	< 20	6	< 2	< 10	181	< 10	11	3
DL20-005-11	0.120	0.028	3.66	3	13	8	0.36	< 20	5	< 2	< 10	198	< 10	11	7
DL20-005-12	2.88	< 0.001	< 0.01	< 2	< 1	15	< 0.01	< 20	2	< 2	< 10	< 1	< 10	2	< 1
DL20-005-13	0.177	0.038	0.47	< 2	15	8	0.24	< 20	2	< 2	< 10	203	< 10	10	4
DL20-005-14	0.057	0.068	2.52	15	6	51	0.04	< 20	3	< 2	< 10	60	< 10	9	5
DL20-005-15	0.137	0.032	1.19	3	14	9	0.25	< 20	3	< 2	< 10	183	< 10	9	4
DL20-005-16	0.188	0.018	0.53	< 2	14	7	0.23	< 20	< 1	< 2	< 10	147	< 10	8	3
DL-20-006-001	0.092	0.016	3.01	2	7	25	0.09	< 20	1	< 2	< 10	63	< 10	3	3
DL20-006-002	0.024	0.040	2.52	4	10	13	0.19	< 20	5	< 2	< 10	80	< 10	10	28
DL20-006-003	0.118	0.021	0.33	2	11	39	0.23	< 20	1	< 2	< 10	122	< 10	6	2
DL20-006-004	0.044	0.021	3.95	6	3	13	0.05	< 20	1	< 2	< 10	30	< 10	5	18
DL20-006-005	0.047	0.039	4.77	6	4	25	0.07	< 20	< 1	< 2	< 10	40	< 10	7	30
DL20-006-006	0.043	0.060	4.63	4	2	20	0.06	< 20	< 1	< 2	< 10	21	< 10	5	17
DL20-006-007	0.089	0.217	0.15	< 2	3	45	0.20	< 20	4	< 2	< 10	53	< 10	7	4
DL20-006-008	0.090	0.061	0.33	3	5	22	0.19	< 20	3	< 2	< 10	70	< 10	5	9
DL20-006-009	0.141	0.063	2.80	3	6	69	0.22	< 20	1	< 2	< 10	94	< 10	8	33
DL20-006-010	0.094	0.039	0.82	< 2	2	55	0.07	< 20	< 1	< 2	< 10	25	< 10	6	15
DL20-006-011	0.089	0.045	2.45	3	3	46	0.09	< 20	6	< 2	< 10	30	< 10	6	21
DL20-006-012	2.77	0.001	< 0.01	< 2	< 1	17	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	2	< 1
DL20-006-013	0.040	0.083	0.85	6	< 1	70	0.02	< 20	< 1	< 2	< 10	9	< 10	4	7
DL20-006-014	0.056	0.079	0.31	6	< 1	55	0.02	< 20	1	< 2	< 10	9	< 10	3	6
DL20-006-015	0.057	0.068	2.51	4	< 1	78	0.03	< 20	4	< 2	< 10	15	< 10	4	8
DL20-006-016	0.129	0.061	0.08	< 2	5	21	0.17	< 20	2	< 2	< 10	35	< 10	11	11
DL20-006-017	0.075	0.061	1.36	4	1	77	0.03	< 20	2	< 2	< 10	11	< 10	5	11
DL20-006-018	0.143	0.064	0.26	< 2	6	43	0.23	< 20	< 1	< 2	< 10	46	< 10	10	8
DL20-006-019	0.059	0.050	3.71	4	2	103	0.05	< 20	3	< 2	< 10	32	< 10	5	10
DL20-006-020	0.053	0.047	1.84	4	1	101	0.03	< 20	< 1	< 2	< 10	15	< 10	3	6
DL20-006-021	0.031	0.066	0.42	5	< 1	41	0.01	< 20	< 1	< 2	< 10	9	< 10	3	6
DL20-006-022	0.045	0.062	0.52	5	< 1	56	0.01	< 20	< 1	< 2	< 10	9	< 10	3	6
DL20-006-023	0.049	0.066	2.43	11	5	48	0.03	< 20	1	< 2	< 10	59	< 10	8	5
DL20-006-024	0.055	0.068	0.43	7	< 1	63	0.02	< 20	< 1	< 2	< 10	12	< 10	4	8
DL20-006-025	0.356	0.101	0.09	3	8	69	0.25	< 20	3	3	< 10	130	< 10	8	10
DL20-006-026	0.080	0.075	0.63	6	1	48	0.03	< 20	< 1	< 2	< 10	19	< 10	4	8
DL20-006-027	0.100	0.050	3.14	6	2	45	0.04	< 20	2	< 2	< 10	24	< 10	4	10
DL20-006-028	0.099	0.068	1.31	4	2	37	0.04	< 20	4	< 2	< 10	30	< 10	4	10
DL20-006-029	0.133	0.090	1.46	4	5	19	0.18	< 20	4	< 2	< 10	75	< 10	7	20
DL20-006-030	0.093	0.052	6.11	7	4	13	0.12	< 20	7	< 2	< 10	27	< 10	10	73
DL20-006-031	0.113	0.084	0.27	< 2	4	25	0.17	< 20	2	< 2	< 10	39	< 10	12	4
DL20-006-032	0.050	0.077	0.17	< 2	3	20	0.13	< 20	2	< 2	< 10	60	< 10	6	2
DL20-006-033	0.029	0.090	0.02	3	10	33	0.22	< 20	1	< 2	< 10	103	< 10	7	9
DL20-006-034	0.072	0.075	4.82	5	< 1	22	0.03	< 20	< 1	< 2	< 10	13	< 10	3	9
DL20-006-035	2.84	< 0.001	< 0.01	< 2	< 1	14	< 0.01	< 20	1	2	< 10	< 1	< 10	2	< 1

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
DL20-006-036	0.033	0.091	0.17	3	6	81	0.27	< 20	< 1	< 2	< 10	111	< 10	7	11
DL20-006-037	0.062	0.071	0.30	2	7	25	0.27	< 20	4	< 2	< 10	91	< 10	8	10
DL20-006-038	0.099	0.067	0.19	2	5	43	0.24	< 20	3	< 2	< 10	71	< 10	7	12
DL20-006-039	0.050	0.061	0.91	4	< 1	49	0.02	< 20	6	< 2	< 10	11	< 10	3	7
DL20-006-040	0.061	0.068	0.85	6	< 1	58	0.03	< 20	< 1	< 2	< 10	14	< 10	5	9
DL20-006-041	0.070	0.079	1.02	6	1	50	0.04	< 20	2	< 2	< 10	22	< 10	5	10
DL20-006-042	0.050	0.042	0.19	< 2	< 1	16	0.04	< 20	2	< 2	< 10	17	< 10	2	4
DL20-006-043	0.080	0.092	2.25	5	5	71	0.25	< 20	< 1	< 2	< 10	119	< 10	8	13
DL20-006-044	0.105	0.017	0.03	< 2	< 1	17	0.06	< 20	< 1	< 2	< 10	10	< 10	2	21
DL20-006-045	0.049	0.105	6.06	6	< 1	43	0.02	< 20	4	< 2	< 10	16	< 10	3	13
DL20-006-046	0.097	0.016	0.55	< 2	< 1	24	0.05	< 20	2	< 2	< 10	6	< 10	2	27
DL20-006-047	0.278	0.019	1.41	4	13	28	0.13	< 20	< 1	< 2	< 10	100	< 10	5	4
DL20-006-048	0.164	0.025	6.43	5	5	28	0.13	< 20	4	< 2	< 10	58	< 10	4	21
DL20-006-049	0.127	0.022	0.60	17	13	67	0.07	< 20	2	< 2	< 10	150	16	4	3
DL20-006-050	0.096	0.028	1.47	< 2	< 1	20	0.04	< 20	5	< 2	< 10	11	< 10	2	24
DL20-006-051	0.109	0.059	7.31	4	2	31	0.03	< 20	2	< 2	< 10	22	< 10	3	7
DL20-006-052	0.339	0.018	0.05	3	15	55	0.20	< 20	2	< 2	< 10	117	< 10	6	2

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.3	< 0.5	65	960	< 1	23	90	114	6.44	204	< 10	675	0.7	3	0.11	13	69	5.18	10	1	0.95	< 10	0.37
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	69	1000	< 1	24	95	119	6.84	224	< 10	719	0.8	2	0.12	13	72	5.43	10	2	1.02	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	73	1050	< 1	26	98	125	7.22	226	< 10	757	0.8	3	0.12	14	75	5.71	20	2	1.09	< 10	0.41
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	68	1040	< 1	21	96	122	7.03	223	< 10	728	0.9	< 2	0.14	14	78	5.32	20	< 1	1.12	10	0.37
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2060	708	< 1	34	57	243	2.61	6		69	0.7	8	0.35	19	39	4.67	< 10		0.40	31	1.27
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2220	740	< 1	36	61	247	2.75	7		70	0.7	8	0.35	19	41	4.99	< 10		0.41	33	1.36
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2300	760	< 1	35	59	254	2.96	7		76	0.7	8	0.38	20	43	5.13	< 10		0.46	36	1.43
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2240	767	< 1	33	59	250	2.87	4		77	0.7	7	0.40	19	45	4.96	< 10		0.47	34	1.29
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	2.8	< 0.5	4400	814	< 1	32	79	317	2.73	5		57	0.6	26	0.36	21	37	5.63	< 10		0.37	30	1.41
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.5	< 0.5	4450	835	< 1	32	80	322	2.83	7		58	0.6	21	0.36	21	38	5.72	< 10		0.37	32	1.47
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4640	871	< 1	34	80	340	3.01	7		61	0.6	29	0.38	23	40	6.03	< 10		0.39	33	1.56
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4390	868	< 1	32	82	327	2.89	5		62	0.6	15	0.40	21	41	5.59	< 10		0.40	33	1.39
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 96 (Aqua Regia) Meas	10.1		> 10000				91	394						60		46							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 96 (Aqua Regia) Meas	10.7		> 10000				87	411						79		47							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 621 (Aqua Regia) Meas	65.7	288	3610	521	11	27	> 5000	> 10000	1.73	74			0.5	7	1.51	29	30	3.27	< 10	4	0.35	19	0.45
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	67.5	296	3720	533	12	25	> 5000	> 10000	1.80	76			0.6	10	1.55	30	28	3.34	< 10	4	0.36	19	0.46
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	67.4	292	3620	529	13	24	> 5000	> 10000	1.81	74			0.6	< 2	1.63	29	30	3.34	< 10	4	0.38	19	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 45f (Aqua Regia) Meas			321	151	< 1	207	13	24	6.51			119	0.9	5	0.06	37	299	12.6	20	2	0.09	< 10	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			355	161	< 1	232	9	25	7.05			130	1.0	5	0.06	39	323	13.7	20	< 1	0.10	< 10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			333	165	1	225	9	28	7.17			143	1.0	< 2	0.07	38	343	12.6	20	< 1	0.10	11	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
DL20-005-04 Orig	0.9	< 0.5	251	327	6	46	39	62	1.65	< 2	< 10	23	0.6	< 2	0.82	43	52	5.19	< 10	3	0.29	10	0.84
DL20-005-04 Dup	0.9	< 0.5	249	321	6	47	39	62	1.60	< 2	< 10	26	0.5	< 2	0.80	42	54	5.08	< 10	< 1	0.28	10	0.83
DL20-006-002 Orig	1.5	1.0	686	1340	3	83	24	386	4.67	< 2	< 10	18	0.5	3	0.82	63	63	10.8	20	< 1	0.18	14	4.86
DL20-006-002 Dup	1.5	0.7	678	1330	3	81	25	377	4.64	< 2	< 10	17	0.5	3	0.81	62	63	10.8	20	2	0.18	14	4.83
DL20-006-018 Orig	< 0.2	< 0.5	24	676	< 1	31	4	91	2.53	< 2	< 10	176	< 0.5	3	2.68	12	85	4.70	< 10	2	1.29	20	1.40
DL20-006-018 Dup	< 0.2	< 0.5	24	678	< 1	29	3	91	2.53	3	< 10	176	< 0.5	< 2	2.71	11	82	4.68	< 10	< 1	1.30	21	1.40
DL20-006-032 Orig	0.4	< 0.5	35	496	< 1	18	< 2	27	2.31	< 2	< 10	30	0.6	< 2	1.52	11	38	3.95	< 10	< 1	0.19	13	1.68
DL20-006-032 Dup	0.2	< 0.5	33	500	< 1	18	< 2	27	2.32	< 2	< 10	31	0.6	< 2	1.52	11	38	3.97	< 10	< 1	0.19	13	1.68
DL20-006-034 Orig	1.6	< 0.5	229	576	< 1	26	15	70	0.75	< 2	< 10	17	< 0.5	< 2	1.16	9	4	11.7	< 10	2	0.09	< 10	0.55
DL20-006-034 Split PREP DUP	1.4	< 0.5	226	570	< 1	28	15	68	0.74	< 2	< 10	16	< 0.5	< 2	1.15	10	4	12.1	< 10	3	0.09	< 10	0.54
DL20-006-044 Orig	< 0.2	< 0.5	2	180	1	1	8	44	0.81	< 2	< 10	71	< 0.5	< 2	0.33	1	4	1.77	< 10	< 1	0.23	16	0.25
DL20-006-044 Dup	< 0.2	< 0.5	2	177	< 1	1	7	42	0.79	< 2	< 10	71	< 0.5	3	0.32	2	4	1.74	< 10	< 1	0.23	16	0.24
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.117	0.031	0.01	5	17	25		< 20	< 1	< 2	< 10	160	< 10	4	6
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.126	0.034	0.01	2	18	27		< 20	< 1	< 2	< 10	171	< 10	4	9
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.131	0.035	0.01	2	19	28		< 20	< 1	< 2	< 10	178	< 10	5	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.072	0.034	0.01	5	23	31		< 20	< 1	< 2	< 10	168	< 10	6	10
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 922 (AQUA REGIA) Meas	0.026	0.057	0.34	3	3	14		< 20		< 2	< 10	34	< 10	17	14
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.026	0.061	0.36	3	3	15		< 20		< 2	< 10	35	< 10	17	4
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.030	0.063	0.38	3	4	16		< 20		< 2	< 10	37	< 10	19	4
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.025	0.061	0.36	2	4	15		< 20		< 2	< 10	35	< 10	19	8
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.056	0.65	2	3	13		< 20		< 2	< 10	34	< 10	16	17
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.058	0.66	3	3	14		< 20		< 2	< 10	35	< 10	17	5
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.061	0.70	< 2	4	14		< 20		< 2	< 10	37	< 10	18	7
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.059	0.65	3	4	14		< 20		< 2	< 10	34	< 10	18	21
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas			3.81	5											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 96 (Aqua Regia) Meas			3.77	5											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.167	0.034	4.63	92	2	19		< 20		< 2	< 10	13	< 10	7	62
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.173	0.034	4.74	99	2	19		< 20		< 2	< 10	13	< 10	7	65
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.179	0.034	4.45	118	2	19		< 20		< 2	< 10	13	< 10	7	66
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.044	0.019	0.02		23	12	0.09	< 20		< 2	< 10	193		4	14
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.048	0.021	0.02		25	13	0.11	< 20		< 2	< 10	212		5	18
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.040	0.020	0.02		29	15	0.12	< 20		< 2	< 10	199		6	20
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
DL20-005-04 Orig	0.041	0.024	2.56	< 2	4	25	0.08	< 20	2	< 2	< 10	27	< 10	9	43
DL20-005-04 Dup	0.040	0.024	2.51	< 2	4	24	0.08	< 20	3	< 2	< 10	26	< 10	9	44
DL20-006-002 Orig	0.025	0.040	2.51	4	10	13	0.19	< 20	6	< 2	< 10	81	< 10	10	28
DL20-006-002 Dup	0.023	0.040	2.54	4	10	13	0.19	< 20	5	< 2	< 10	80	< 10	10	27
DL20-006-018 Orig	0.143	0.064	0.26	< 2	6	43	0.23	< 20	< 1	< 2	< 10	46	< 10	10	8
DL20-006-018 Dup	0.142	0.064	0.26	2	6	42	0.23	< 20	4	< 2	< 10	46	< 10	10	7
DL20-006-032 Orig	0.049	0.077	0.17	< 2	3	20	0.13	< 20	2	< 2	< 10	60	< 10	6	2
DL20-006-032 Dup	0.050	0.077	0.17	< 2	3	20	0.13	< 20	2	< 2	< 10	60	< 10	6	2
DL20-006-034 Orig	0.072	0.075	4.82	5	< 1	22	0.03	< 20	< 1	< 2	< 10	13	< 10	3	9
DL20-006-034 Split PREP DUP	0.070	0.074	5.11	5	< 1	21	0.03	< 20	< 1	< 2	< 10	13	< 10	3	9
DL20-006-044 Orig	0.107	0.017	0.03	< 2	< 1	17	0.06	< 20	< 1	< 2	< 10	10	< 10	2	16
DL20-006-044 Dup	0.103	0.017	0.02	< 2	< 1	16	0.06	< 20	< 1	< 2	< 10	10	< 10	2	25
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-02133**
Report Date: **16-Mar-21**
Date Submitted: **08-Feb-21**
Your Reference:

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

ATTN: Sandy Stares (res)

CERTIFICATE OF ANALYSIS

97 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-02-12 11:14:42
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-02-17 15:36:32
1A4 (100mesh)-Tbay	QOP AA-Au (Au-Fire Assay-Metallic Screen-500g)	2021-02-18 15:25:07
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2021-02-24 19:37:23

REPORT **A21-02133**

Notes:

A representative 500 gram split is seived at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

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

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: insufficient material for sample DL21-07-40 and DL21-07-61.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
DL21-07-01	756	1.0	0.9	413	989	3	55	14	183	2.15	2	< 10	31	< 0.5	< 2	5.09	29	57	6.61	< 10	< 1	0.27	13
DL21-07-02	> 5000	4.8	< 0.5	78	1090	< 1	41	< 2	52	2.57	< 2	< 10	92	< 0.5	< 2	7.82	18	83	4.43	< 10	< 1	0.55	< 10
DL21-07-03	> 5000	5.5	< 0.5	67	664	2	13	< 2	21	0.79	< 2	< 10	< 10	< 0.5	< 2	5.83	8	35	2.34	< 10	< 1	0.04	< 10
DL21-07-04	> 5000	1.4	< 0.5	83	598	2	40	2	35	1.53	< 2	< 10	95	< 0.5	< 2	3.81	16	72	3.19	< 10	< 1	0.40	< 10
DL21-07-05	19	< 0.2	< 0.5	138	677	< 1	91	8	166	2.86	< 2	< 10	14	< 0.5	< 2	3.44	28	87	4.44	< 10	< 1	0.12	< 10
DL21-07-06	36	1.0	< 0.5	386	568	3	81	21	254	2.00	3	< 10	15	< 0.5	< 2	1.29	50	49	9.74	< 10	< 1	0.24	14
DL21-07-07	11	0.7	< 0.5	240	492	< 1	23	8	87	1.37	< 2	< 10	53	< 0.5	< 2	0.71	14	20	3.83	< 10	< 1	0.27	14
DL21-07-08	25	1.0	< 0.5	265	646	1	85	20	132	2.78	< 2	< 10	12	0.6	< 2	1.26	65	46	9.99	10	< 1	0.36	19
DL21-07-09	23	0.8	< 0.5	226	545	4	74	14	125	2.18	< 2	< 10	14	< 0.5	< 2	0.64	71	43	10.3	< 10	< 1	0.60	16
DL21-07-10	30	1.8	< 0.5	822	647	4	109	15	199	2.72	< 2	< 10	12	< 0.5	< 2	0.21	92	60	14.3	10	< 1	0.68	12
DL21-07-11	81	1.2	< 0.5	556	594	3	91	9	141	3.21	373	< 10	11	< 0.5	< 2	0.63	75	47	11.5	10	< 1	0.51	16
DL21-07-12	15	< 0.2	< 0.5	140	438	1	89	5	71	2.96	48	< 10	33	< 0.5	< 2	2.43	38	83	4.87	< 10	< 1	0.21	10
DL21-07-13	9	< 0.2	< 0.5	94	543	< 1	87	3	72	2.60	< 2	< 10	59	< 0.5	< 2	3.32	25	98	4.07	< 10	< 1	0.39	< 10
DL21-07-14	88	1.1	1.6	511	653	1	58	16	592	0.77	2	< 10	13	< 0.5	< 2	3.11	48	32	11.0	< 10	< 1	0.09	10
DL21-07-15	80	1.4	4.5	627	824	3	60	16	1580	0.79	< 2	< 10	< 10	< 0.5	< 2	2.69	49	30	12.3	< 10	< 1	0.08	13
DL21-07-16	22	1.0	4.0	261	519	3	68	25	1470	1.06	2	< 10	11	< 0.5	< 2	1.17	41	56	10.6	< 10	< 1	0.22	19
DL21-07-17	4530	1.4	1.5	238	1270	2	46	18	616	1.01	< 2	< 10	20	< 0.5	< 2	3.40	34	24	10.7	< 10	< 1	0.21	10
DL21-07-18	< 5	< 0.2	< 0.5	< 1	78	< 1	< 1	< 2	12	5.15	< 2	10	< 10	< 0.5	< 2	0.18	< 1	2	0.38	< 10	< 1	1.48	< 10
DL21-07-19	135	1.0	1.5	233	1310	2	46	21	606	1.25	< 2	< 10	18	< 0.5	< 2	2.86	29	35	10.8	< 10	< 1	0.30	14
DL21-07-20	1650	4.7	2.6	9680	345	246	33	77	130	1.74	39	< 10	13	< 0.5	5	1.45	19	79	4.64	< 10	< 1	0.58	20
DL21-07-21	1350	1.4	2.0	284	1400	1	40	11	800	1.30	3	< 10	17	< 0.5	< 2	3.21	24	21	11.9	< 10	< 1	0.26	< 10
DL21-07-22	8	< 0.2	< 0.5	19	649	1	4	8	116	1.91	< 2	< 10	269	< 0.5	< 2	1.39	8	7	4.08	< 10	< 1	0.92	28
DL21-07-23	12	< 0.2	0.6	2	617	< 1	2	5	126	1.71	< 2	< 10	164	< 0.5	< 2	0.71	5	9	3.24	< 10	< 1	0.96	33
DL21-07-24	< 5	< 0.2	< 0.5	14	571	3	8	6	79	1.71	< 2	< 10	231	< 0.5	< 2	1.32	7	33	3.02	< 10	< 1	0.85	32
DL21-07-25	4540	1.9	< 0.5	83	878	< 1	42	5	27	0.95	< 2	< 10	17	< 0.5	2	3.93	10	8	10.3	< 10	< 1	0.14	< 10
DL21-07-26	52	< 0.2	< 0.5	4	490	1	< 1	6	69	0.97	< 2	< 10	82	< 0.5	< 2	1.68	5	9	3.02	< 10	< 1	0.21	28
DL21-07-27	> 5000	2.1	< 0.5	61	416	< 1	26	7	25	0.51	< 2	< 10	17	< 0.5	< 2	2.76	8	10	12.7	< 10	< 1	0.09	< 10
DL21-07-28	48	< 0.2	< 0.5	34	505	< 1	11	9	40	0.37	2	< 10	21	< 0.5	< 2	4.50	2	8	11.4	< 10	< 1	0.05	< 10
DL21-07-29	1210	0.3	1.0	37	740	< 1	13	9	348	0.82	< 2	< 10	39	< 0.5	< 2	3.88	7	12	10.6	< 10	< 1	0.15	< 10
DL21-07-30	129	0.2	0.9	67	970	< 1	16	7	381	2.69	< 2	< 10	81	< 0.5	< 2	3.89	15	17	7.85	< 10	< 1	1.06	14
DL21-07-31	182	0.3	1.1	57	1430	< 1	25	10	446	0.86	< 2	< 10	37	< 0.5	< 2	4.47	12	20	10.2	< 10	< 1	0.11	< 10
DL21-07-32	480	0.4	0.6	108	1210	1	36	17	168	0.84	2	< 10	29	< 0.5	< 2	5.11	13	88	10.2	< 10	< 1	0.11	< 10
DL21-07-33	2470	0.6	< 0.5	86	532	< 1	30	10	104	0.58	2	< 10	21	< 0.5	< 2	1.54	11	15	14.0	< 10	< 1	0.08	< 10
DL21-07-34	> 5000	2.3	< 0.5	137	176	< 1	34	10	50	0.39	2	< 10	< 10	< 0.5	< 2	0.86	12	11	18.2	< 10	< 1	0.12	< 10
DL21-07-35	1010	1.0	< 0.5	25	139	< 1	10	11	52	0.20	4	< 10	21	< 0.5	2	1.01	3	10	20.7	< 10	< 1	0.03	< 10
DL21-07-36	2050	0.6	< 0.5	49	167	< 1	17	10	94	0.40	3	< 10	31	< 0.5	< 2	1.67	4	11	15.8	< 10	< 1	0.09	< 10
DL21-07-37	> 5000	3.1	< 0.5	234	278	< 1	50	12	158	0.81	4	< 10	< 10	< 0.5	< 2	1.43	14	14	16.4	< 10	< 1	0.23	< 10
DL21-07-38	22	< 0.2	< 0.5	25	588	< 1	48	7	44	2.07	3	< 10	314	< 0.5	< 2	3.91	17	156	3.62	< 10	< 1	1.18	< 10
DL21-07-39	464	0.2	< 0.5	28	686	< 1	73	9	61	2.40	< 2	< 10	299	< 0.5	< 2	4.51	21	209	4.63	< 10	< 1	1.10	< 10
DL21-07-40	1400	28.0	146	1690	223	5	13	3500	> 10000	1.27	779	12	< 10	< 0.5	2	0.13	5	223	10.1	< 10	18	0.34	19
DL21-07-41	> 5000	1.0	< 0.5	122	384	< 1	33	8	74	0.71	< 2	< 10	< 10	< 0.5	< 2	1.88	10	18	13.2	< 10	< 1	0.19	< 10
DL21-07-42	4910	2.2	< 0.5	144	373	< 1	32	9	67	0.62	3	< 10	< 10	< 0.5	< 2	1.18	10	13	14.2	< 10	< 1	0.15	< 10
DL21-07-43	> 5000	1.9	< 0.5	143	575	< 1	30	12	55	0.93	< 2	< 10	< 10	0.5	< 2	2.47	9	19	15.1	< 10	< 1	0.20	< 10
DL21-07-44	> 5000	1.2	< 0.5	74	672	< 1	32	10	36	0.77	< 2	< 10	10	< 0.5	< 2	3.36	8	41	12.4	< 10	< 1	0.15	< 10
DL21-07-45	< 5	< 0.2	< 0.5	2	124	< 1	1	< 2	16	5.45	2	14	< 10	< 0.5	< 2	0.21	< 1	7	0.77	10	< 1	1.57	< 10
DL21-07-46	717	0.2	< 0.5	30	951	< 1	23	11	89	1.06	< 2	< 10	37	< 0.5	< 2	3.81	6	30	12.8	< 10	< 1	0.16	< 10
DL21-07-47	2250	0.7	< 0.5	61	763	< 1	22	10	98	1.10	< 2	< 10	35	< 0.5	< 2	3.43	9	28	10.6	< 10	< 1	0.16	< 10
DL21-07-48	1360	1.5	< 0.5	235	971	< 1	40	14	75	1.32	3	< 10	< 10	< 0.5	< 2	1.97	19	28	14.6	< 10	< 1	0.16	< 10
DL21-07-49	1690	0.7	< 0.5	136	332	< 1	17	9	54	0.46	< 2	< 10	18	< 0.5	< 2	2.22	10	8	17.5	< 10	< 1	0.07	< 10
DL21-07-50	624	0.5	< 0.5	77	309	< 1	23	6	42	0.62	2	< 10	13	< 0.5	< 2	1.24	11	33	17.7	< 10	< 1	0.10	< 10
DL21-07-51	< 5	< 0.2	< 0.5	19	793	< 1	15	6	110	2.78	< 2	< 10	225	< 0.5	< 2	2.91	17	22	5.76	10	< 1	0.67	25

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
DL21-07-52	< 5	< 0.2	< 0.5	29	691	< 1	7	4	66	2.75	< 2	< 10	194	< 0.5	< 2	3.04	17	12	4.81	10	< 1	0.46	29
DL21-07-53	151	0.4	< 0.5	139	634	< 1	53	6	29	2.75	< 2	< 10	18	< 0.5	< 2	1.20	25	69	12.6	< 10	< 1	0.09	< 10
DL21-07-54	54	< 0.2	< 0.5	58	670	< 1	116	< 2	39	3.91	< 2	< 10	< 10	< 0.5	< 2	0.75	34	129	6.15	< 10	< 1	0.03	< 10
DL21-07-55	211	< 0.2	1.1	92	669	1	56	3	384	3.03	< 2	< 10	< 10	< 0.5	< 2	1.56	31	85	5.94	10	< 1	0.05	< 10
DL21-07-56	925	0.2	0.9	163	867	< 1	14	2	289	3.24	< 2	< 10	< 10	< 0.5	< 2	2.37	31	7	7.88	10	< 1	0.07	< 10
DL21-07-57	25	0.2	< 0.5	191	684	< 1	24	5	50	2.38	< 2	< 10	< 10	< 0.5	< 2	1.45	29	20	5.83	< 10	< 1	0.04	< 10
DL21-07-58	398	2.3	< 0.5	229	796	< 1	41	13	45	1.23	< 2	< 10	< 10	< 0.5	< 2	1.87	40	23	12.5	< 10	1	0.15	< 10
DL21-07-59	2140	1.6	< 0.5	306	607	2	43	11	38	1.22	< 2	< 10	< 10	< 0.5	< 2	1.72	26	13	14.9	< 10	< 1	0.15	< 10
DL21-07-60	1240	0.7	< 0.5	187	673	< 1	37	8	56	1.64	< 2	< 10	< 10	< 0.5	< 2	1.94	18	42	13.2	< 10	< 1	0.21	< 10
DL21-07-61	3080																						
DL21-07-62	221	< 0.2	< 0.5	36	477	< 1	65	5	33	1.17	< 2	< 10	21	< 0.5	< 2	3.93	9	149	8.77	< 10	< 1	0.06	14
DL21-07-63	> 5000	2.8	< 0.5	159	629	< 1	28	7	129	1.53	< 2	< 10	13	< 0.5	< 2	1.50	18	17	13.2	< 10	< 1	0.16	< 10
DL21-07-64	493	1.3	6.5	312	625	4	62	20	2100	1.26	< 2	< 10	< 10	< 0.5	< 2	1.65	40	52	15.0	< 10	< 1	0.26	14
DL21-07-65	506	0.8	8.6	230	738	6	54	14	2730	1.24	2	< 10	13	< 0.5	< 2	2.04	32	38	12.5	< 10	< 1	0.28	12
DL21-07-66	< 5	< 0.2	< 0.5	6	438	1	13	3	204	1.17	< 2	< 10	24	< 0.5	< 2	1.16	5	40	2.66	< 10	< 1	0.10	13
DL21-07-67	63	1.0	4.8	352	872	5	148	17	1790	2.01	< 2	< 10	11	< 0.5	< 2	2.24	33	227	15.2	< 10	< 1	0.32	15
DL21-07-68	278	3.1	8.1	787	916	6	92	43	2970	2.16	< 2	< 10	< 10	< 0.5	< 2	1.27	54	89	17.6	10	< 1	0.28	15
DL21-07-69	7	< 0.2	< 0.5	42	585	< 1	9	8	180	1.49	< 2	< 10	16	< 0.5	< 2	1.00	5	22	4.04	< 10	< 1	0.09	12
DL21-07-70	127	0.5	< 0.5	122	957	< 1	78	38	63	2.70	3	< 10	< 10	0.6	< 2	2.46	36	89	11.4	10	< 1	0.03	11
DL21-07-71	26	0.7	1.9	200	729	4	63	16	634	1.98	< 2	< 10	21	< 0.5	< 2	2.05	29	59	10.6	< 10	< 1	0.21	< 10
DL21-07-72	35	0.6	< 0.5	130	972	3	86	11	328	2.68	< 2	< 10	47	< 0.5	< 2	3.13	29	108	7.39	< 10	< 1	0.31	< 10
DL21-07-73	12	< 0.2	< 0.5	101	650	< 1	69	5	54	2.78	< 2	< 10	101	< 0.5	< 2	3.30	22	92	4.25	< 10	< 1	0.37	< 10
DL21-07-74	32	1.0	2.0	266	855	2	65	13	761	2.33	< 2	< 10	< 10	< 0.5	< 2	1.60	40	134	13.8	< 10	< 1	0.07	< 10
DL21-07-75	413	0.7	3.4	171	1040	2	36	13	1150	1.69	< 2	< 10	14	< 0.5	< 2	1.50	20	89	9.25	< 10	< 1	0.15	< 10
DL21-07-76	384	0.4	< 0.5	78	1630	< 1	14	10	212	1.01	< 2	< 10	11	< 0.5	< 2	1.82	10	22	8.36	< 10	< 1	0.08	< 10
DL21-07-77	6	< 0.2	< 0.5	65	658	2	141	17	215	3.31	2	< 10	98	0.5	< 2	3.19	25	268	5.05	< 10	< 1	1.09	17
DL21-07-78	10	0.3	0.5	59	577	3	209	14	308	2.88	3	< 10	50	< 0.5	< 2	1.62	26	409	5.90	< 10	< 1	1.11	21
DL21-07-79	50	2.0	4.3	469	404	2	108	31	1350	2.17	3	< 10	< 10	0.6	< 2	0.70	63	117	19.7	< 10	< 1	0.73	10
DL21-07-80	27	0.4	0.6	123	1060	< 1	41	13	322	1.48	< 2	< 10	32	< 0.5	< 2	3.30	19	66	7.33	< 10	< 1	0.53	< 10
DL21-07-81	78	< 0.2	< 0.5	14	353	< 1	8	11	92	1.24	< 2	< 10	85	< 0.5	< 2	1.10	6	23	2.41	< 10	< 1	0.64	15
DL21-07-82	< 5	< 0.2	< 0.5	12	305	< 1	7	3	60	1.25	< 2	< 10	74	< 0.5	< 2	1.19	6	22	2.03	< 10	< 1	0.71	15
DL21-07-83	18	0.3	< 0.5	25	663	4	16	9	211	1.67	< 2	< 10	47	< 0.5	< 2	0.78	10	23	5.17	< 10	< 1	0.75	15
DL21-07-84	207	0.4	0.8	74	593	< 1	32	11	315	2.53	< 2	< 10	50	< 0.5	< 2	1.95	20	54	11.0	< 10	< 1	1.14	12
DL21-07-85	532	0.6	< 0.5	93	770	1	26	7	129	1.86	2	< 10	12	< 0.5	< 2	2.15	16	25	10.8	< 10	< 1	0.17	< 10
DL21-07-86	< 5	< 0.2	< 0.5	< 1	100	< 1	< 1	< 2	14	4.97	< 2	12	< 10	< 0.5	< 2	0.19	< 1	5	0.57	< 10	< 1	1.55	< 10
DL21-07-87	254	< 0.2	< 0.5	13	651	1	13	6	242	2.03	2	< 10	28	< 0.5	< 2	2.48	6	33	6.80	< 10	< 1	0.24	14
DL21-07-88	29	0.3	< 0.5	50	942	1	18	8	223	1.87	< 2	< 10	13	< 0.5	< 2	3.51	9	26	8.81	< 10	< 1	0.13	< 10
DL21-07-89	188	0.4	< 0.5	62	484	< 1	21	10	68	0.91	< 2	< 10	40	< 0.5	< 2	3.12	9	14	16.9	< 10	< 1	0.32	< 10
DL21-07-90	1680	0.5	< 0.5	67	653	< 1	27	9	84	1.62	< 2	< 10	34	< 0.5	< 2	2.68	9	47	13.1	< 10	< 1	0.45	< 10
DL21-07-91	1660	0.6	< 0.5	53	576	< 1	39	8	48	1.56	< 2	< 10	60	< 0.5	< 2	3.01	11	73	11.5	< 10	< 1	0.70	< 10
DL21-07-92	7	< 0.2	< 0.5	4	794	1	3	8	77	4.99	< 2	< 10	161	0.7	< 2	2.32	10	13	4.08	< 10	< 1	1.67	21
DL21-07-93	104	0.4	0.6	80	927	< 1	28	8	96	0.84	< 2	< 10	22	< 0.5	2	3.49	9	32	13.6	< 10	< 1	0.14	< 10
DL21-07-94	7	< 0.2	< 0.5	12	402	< 1	19	4	59	1.79	< 2	< 10	129	< 0.5	< 2	1.10	9	27	2.89	< 10	< 1	1.13	17
DL21-07-95	6	< 0.2	< 0.5	6	358	< 1	20	3	67	1.83	< 2	< 10	190	< 0.5	< 2	0.60	9	28	2.85	< 10	< 1	1.26	18
DL21-07-96	82	0.3	< 0.5	256	631	6	46	5	48	1.31	< 2	< 10	< 10	< 0.5	< 2	5.74	17	35	12.3	< 10	< 1	0.09	< 10
DL21-07-97	< 5	0.2	< 0.5	213	520	< 1	117	5	29	2.77	2	< 10	29	< 0.5	< 2	5.78	32	55	3.79	< 10	< 1	0.11	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	0.03	0.03	0.03		
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
DL21-07-01	1.28	0.053	0.029	3.02	3	8	41	0.14	< 20	< 1	< 2	< 10	70	< 10	9	35							
DL21-07-02	1.41	0.070	0.021	0.45	< 2	12	73	0.20	< 20	< 1	< 2	< 10	121	< 10	7	2	25.1	10.3	2.52	2.18	2.75	17.49	334.68
DL21-07-03	0.59	0.027	0.014	0.30	< 2	3	34	0.06	< 20	< 1	< 2	< 10	33	< 10	4	1	56.9	56.3	55.8	51.1	53.5	15.73	480.08
DL21-07-04	0.88	0.067	0.016	0.36	< 2	8	44	0.13	< 20	1	< 2	< 10	98	< 10	4	1	9.61	24.7	9.05	7.54	8.84	16.48	482.71
DL21-07-05	1.60	0.243	0.027	0.46	< 2	13	33	0.14	< 20	< 1	< 2	< 10	105	< 10	7	2							
DL21-07-06	1.04	0.107	0.025	4.92	4	9	21	0.14	< 20	< 1	< 2	< 10	56	< 10	10	31							
DL21-07-07	0.63	0.103	0.042	1.20	< 2	3	12	0.12	< 20	< 1	< 2	< 10	26	< 10	4	28							
DL21-07-08	1.69	0.056	0.069	4.82	4	9	34	0.18	< 20	9	< 2	< 10	87	< 10	11	22							
DL21-07-09	1.31	0.055	0.029	4.72	4	6	10	0.14	< 20	2	< 2	< 10	40	< 10	14	48							
DL21-07-10	1.90	0.046	0.028	6.63	7	7	7	0.18	< 20	< 1	< 2	< 10	58	< 10	12	52							
DL21-07-11	1.92	0.061	0.034	3.71	4	7	11	0.10	< 20	< 1	< 2	< 10	52	< 10	9	24							
DL21-07-12	1.85	0.288	0.028	0.38	< 2	12	37	0.15	< 20	< 1	< 2	< 10	92	< 10	9	6							
DL21-07-13	1.85	0.276	0.027	0.12	< 2	13	16	0.18	< 20	< 1	< 2	< 10	105	< 10	7	2							
DL21-07-14	0.40	0.037	0.030	5.17	4	4	34	0.06	< 20	2	< 2	< 10	30	< 10	6	16							
DL21-07-15	0.65	0.064	0.031	6.76	4	3	40	0.05	< 20	< 1	< 2	< 10	27	< 10	7	25							
DL21-07-16	0.81	0.093	0.031	5.55	4	6	11	0.13	< 20	1	< 2	< 10	43	< 10	7	53							
DL21-07-17	0.57	0.056	0.064	5.15	5	3	74	0.07	< 20	< 1	< 2	< 10	26	< 10	7	24	3.52						
DL21-07-18	0.04	3.23	0.001	< 0.01	< 2	< 1	16	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	3	< 1							
DL21-07-19	0.79	0.050	0.041	4.20	4	3	51	0.09	< 20	< 1	< 2	< 10	27	< 10	7	27							
DL21-07-20	0.82	0.052	0.075	2.57	13	6	54	0.04	< 20	< 1	< 2	< 10	58	< 10	9	5	1.69						
DL21-07-21	0.35	0.059	0.040	4.59	3	2	92	0.05	< 20	3	< 2	< 10	18	< 10	6	24	1.10						
DL21-07-22	0.84	0.148	0.079	0.17	< 2	6	29	0.24	< 20	< 1	< 2	< 10	48	< 10	15	13							
DL21-07-23	0.49	0.172	0.071	0.03	< 2	4	28	0.22	< 20	< 1	< 2	< 10	17	< 10	19	11							
DL21-07-24	0.75	0.144	0.056	0.07	< 2	4	33	0.19	< 20	< 1	< 2	< 10	36	< 10	12	20							
DL21-07-25	0.43	0.109	0.071	3.19	4	< 1	73	0.03	< 20	< 1	< 2	< 10	8	< 10	6	19	4.39						
DL21-07-26	0.41	0.146	0.064	0.39	2	4	22	0.13	< 20	2	< 2	< 10	20	< 10	14	15							
DL21-07-27	0.18	0.060	0.086	2.26	6	< 1	54	0.02	< 20	< 1	< 2	< 10	10	< 10	4	10	7.27	11.2	8.13	7.85	8.10	16.90	483.83
DL21-07-28	0.12	0.044	0.074	0.65	4	< 1	78	0.01	< 20	2	< 2	< 10	7	< 10	5	6							
DL21-07-29	0.19	0.053	0.067	1.50	4	< 1	78	0.03	< 20	< 1	< 2	< 10	12	< 10	5	11	1.33						
DL21-07-30	1.16	0.143	0.083	0.81	3	5	70	0.16	< 20	< 1	< 2	< 10	74	< 10	7	13							
DL21-07-31	0.18	0.048	0.053	2.21	4	< 1	91	0.03	< 20	< 1	< 2	< 10	13	< 10	5	8							
DL21-07-32	0.21	0.061	0.060	2.74	4	2	122	0.04	< 20	< 1	< 2	< 10	34	< 10	5	10							
DL21-07-33	0.15	0.040	0.081	2.36	7	< 1	49	0.02	< 20	1	< 2	< 10	18	< 10	4	11	2.34						
DL21-07-34	0.14	0.036	0.072	3.58	7	< 1	37	0.01	< 20	2	< 2	< 10	13	< 10	3	8	14.0	48.4	14.1	13.7	15.2	17.88	482.60
DL21-07-35	0.09	0.030	0.070	0.77	9	< 1	33	< 0.01	< 20	1	< 2	< 10	9	< 10	3	8	1.05						
DL21-07-36	0.18	0.048	0.078	1.74	7	< 1	58	0.02	< 20	< 1	< 2	< 10	12	< 10	4	9	2.41						
DL21-07-37	0.30	0.061	0.064	6.32	6	1	38	0.03	< 20	< 1	< 2	< 10	18	< 10	4	13	17.8	22.9	16.6	15.9	16.5	17.54	472.68
DL21-07-38	1.90	0.127	0.047	0.09	< 2	8	47	0.20	< 20	< 1	< 2	< 10	85	< 10	5	8							
DL21-07-39	2.18	0.093	0.048	0.04	< 2	8	49	0.21	< 20	2	< 2	< 10	109	< 10	6	9							
DL21-07-40	0.68	0.022	0.006	13.1	48	1	6	< 0.01	< 20	5	< 2	< 10	9	19	10	49							
DL21-07-41	0.29	0.062	0.097	5.68	6	1	57	0.03	< 20	< 1	< 2	< 10	15	< 10	5	11	7.93	9.08	5.86	5.30	5.71	18.18	473.03
DL21-07-42	0.22	0.053	0.078	5.81	6	< 1	43	0.02	< 20	2	< 2	< 10	16	< 10	5	11	5.36						
DL21-07-43	0.25	0.086	0.113	5.51	6	2	76	0.04	< 20	< 1	< 2	< 10	27	< 10	5	12	10.6	17.8	9.92	10.5	10.5	19.08	471.24
DL21-07-44	0.37	0.090	0.085	3.88	6	2	92	0.05	< 20	< 1	< 2	< 10	25	< 10	5	11	5.89	9.06	5.59	5.07	5.46	17.10	475.32
DL21-07-45	0.04	3.37	0.001	< 0.01	< 2	< 1	21	< 0.01	< 20	1	< 2	< 10	1	< 10	4	< 1							
DL21-07-46	0.38	0.113	0.090	1.47	5	1	99	0.04	< 20	< 1	< 2	< 10	23	< 10	6	11							
DL21-07-47	0.53	0.114	0.094	1.92	4	2	84	0.07	< 20	< 1	< 2	< 10	36	< 10	6	13	2.54						
DL21-07-48	0.62	0.078	0.071	6.73	4	2	45	0.07	< 20	< 1	< 2	< 10	31	< 10	6	19	1.68						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	0.03	0.03	0.03		
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
DL21-07-49	0.21	0.047	0.070	3.36	7	< 1	67	0.01	< 20	11	< 2	< 10	12	< 10	4	7	0.97						
DL21-07-50	0.37	0.061	0.068	3.34	7	1	37	0.05	< 20	< 1	< 2	< 10	19	< 10	3	10							
DL21-07-51	1.86	0.105	0.108	0.22	< 2	9	42	0.31	< 20	< 1	< 2	< 10	118	< 10	10	16							
DL21-07-52	1.72	0.103	0.115	0.15	< 2	9	40	0.30	< 20	2	< 2	< 10	121	< 10	10	16							
DL21-07-53	2.26	0.085	0.063	3.14	5	6	13	0.13	< 20	< 1	< 2	< 10	82	< 10	4	7							
DL21-07-54	4.33	0.050	0.021	0.03	2	7	5	0.24	< 20	< 1	< 2	< 10	122	< 10	4	2							
DL21-07-55	3.30	0.130	0.033	0.10	2	15	8	0.28	< 20	1	< 2	< 10	152	< 10	10	2							
DL21-07-56	2.49	0.276	0.057	0.12	2	22	12	0.29	< 20	< 1	< 2	< 10	244	< 10	18	4							
DL21-07-57	2.18	0.129	0.015	0.42	2	14	10	0.23	< 20	< 1	< 2	< 10	96	< 10	9	3							
DL21-07-58	0.88	0.147	0.112	5.00	5	3	28	0.06	< 20	9	< 2	< 10	20	< 10	4	12							
DL21-07-59	0.65	0.111	0.147	6.38	6	1	33	0.04	< 20	< 1	< 2	< 10	12	< 10	4	15	2.78						
DL21-07-60	0.82	0.124	0.102	4.21	5	2	40	0.07	< 20	1	< 2	< 10	36	< 10	4	18	1.49						
DL21-07-61																	3.07						
DL21-07-62	1.01	0.114	0.098	0.82	4	3	49	0.09	< 20	< 1	< 2	< 10	28	< 10	5	14							
DL21-07-63	0.58	0.148	0.078	3.32	5	2	17	0.05	< 20	< 1	< 2	< 10	17	< 10	4	12	15.1	22.3	12.7	11.8	12.6	20.33	479.70
DL21-07-64	0.44	0.038	0.063	8.39	5	3	16	0.10	< 20	< 1	< 2	< 10	54	< 10	7	30							
DL21-07-65	0.47	0.037	0.026	6.36	4	3	18	0.09	< 20	4	< 2	< 10	41	< 10	7	24							
DL21-07-66	0.65	0.118	0.038	0.10	< 2	3	16	0.13	< 20	< 1	< 2	< 10	24	< 10	3	17							
DL21-07-67	1.43	0.059	0.061	6.92	7	6	24	0.14	< 20	< 1	< 2	< 10	66	< 10	7	42							
DL21-07-68	1.02	0.034	0.037	11.0	8	6	24	0.13	< 20	2	< 2	< 10	62	< 10	8	53							
DL21-07-69	0.76	0.123	0.033	0.64	< 2	3	17	0.12	< 20	< 1	< 2	< 10	17	< 10	4	24							
DL21-07-70	1.50	0.020	0.044	5.89	4	7	20	0.11	< 20	< 1	< 2	< 10	54	< 10	6	17							
DL21-07-71	1.24	0.104	0.033	4.29	4	7	18	0.13	< 20	< 1	< 2	< 10	65	< 10	7	17							
DL21-07-72	2.02	0.164	0.021	1.81	3	12	24	0.22	< 20	< 1	< 2	< 10	106	< 10	8	7							
DL21-07-73	1.63	0.288	0.026	0.13	< 2	14	66	0.18	< 20	< 1	< 2	< 10	101	< 10	7	3							
DL21-07-74	2.51	0.028	0.052	5.42	6	7	15	0.09	< 20	< 1	< 2	< 10	60	< 10	7	15							
DL21-07-75	1.41	0.018	0.032	3.18	5	5	16	0.09	< 20	< 1	< 2	< 10	43	< 10	6	15							
DL21-07-76	0.36	0.030	0.060	1.61	3	< 1	44	0.03	< 20	< 1	< 2	< 10	12	< 10	4	9							
DL21-07-77	2.26	0.183	0.111	0.66	3	8	121	0.21	< 20	< 1	< 2	< 10	84	< 10	7	15							
DL21-07-78	2.58	0.104	0.177	1.39	4	6	87	0.20	< 20	< 1	< 2	< 10	70	< 10	7	21							
DL21-07-79	0.97	0.121	0.035	10.8	11	7	55	0.14	< 20	< 1	< 2	< 10	65	< 10	7	47							
DL21-07-80	0.84	0.091	0.040	2.43	2	3	103	0.08	< 20	< 1	< 2	< 10	36	< 10	5	10							
DL21-07-81	0.50	0.100	0.043	0.12	< 2	1	25	0.13	< 20	< 1	< 2	< 10	20	< 10	3	16							
DL21-07-82	0.50	0.111	0.045	0.02	< 2	1	27	0.14	< 20	< 1	< 2	< 10	20	< 10	3	17							
DL21-07-83	0.62	0.127	0.043	1.10	< 2	3	19	0.16	< 20	< 1	< 2	< 10	36	< 10	3	28							
DL21-07-84	1.11	0.123	0.079	1.46	3	5	65	0.18	< 20	< 1	< 2	< 10	68	< 10	7	14							
DL21-07-85	0.57	0.143	0.079	2.46	4	2	67	0.07	< 20	< 1	< 2	< 10	34	< 10	5	20							
DL21-07-86	0.03	3.32	< 0.001	< 0.01	< 2	< 1	19	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	3	< 1							
DL21-07-87	0.59	0.142	0.036	0.28	2	3	110	0.03	< 20	< 1	< 2	< 10	34	< 10	4	6							
DL21-07-88	0.46	0.194	0.061	1.17	4	3	161	0.02	< 20	< 1	< 2	< 10	31	< 10	5	6							
DL21-07-89	0.40	0.070	0.074	1.38	7	1	150	0.03	< 20	< 1	< 2	< 10	18	< 10	4	8							
DL21-07-90	0.68	0.113	0.068	1.46	6	3	117	0.05	< 20	< 1	< 2	< 10	30	< 10	4	9	1.89						
DL21-07-91	0.92	0.114	0.076	1.18	4	3	120	0.09	< 20	1	< 2	< 10	38	< 10	4	9	1.57						
DL21-07-92	1.09	0.597	0.122	< 0.01	< 2	3	152	0.15	< 20	2	< 2	< 10	49	< 10	9	11							
DL21-07-93	0.39	0.088	0.083	1.28	5	1	129	0.04	< 20	< 1	< 2	< 10	20	< 10	5	11							
DL21-07-94	0.85	0.155	0.045	< 0.01	< 2	3	20	0.18	< 20	3	< 2	< 10	35	< 10	5	32							
DL21-07-95	0.92	0.145	0.045	< 0.01	< 2	3	16	0.19	< 20	< 1	< 2	< 10	40	< 10	5	24							
DL21-07-96	0.53	0.138	0.056	1.58	5	6	140	0.06	< 20	< 1	< 2	< 10	43	< 10	5	5							

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	0.03	0.03	0.03		
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
DL21-07-97	0.88	0.241	0.045	0.83	2	10	85	0.16	< 20	< 1	< 2	< 10	76	< 10	5	3							

Analyte Symbol	Total Weight
Unit Symbol	g
Lower Limit	
Method Code	FA-MeT
DL21-07-01	
DL21-07-02	352.17
DL21-07-03	495.81
DL21-07-04	499.19
DL21-07-05	
DL21-07-06	
DL21-07-07	
DL21-07-08	
DL21-07-09	
DL21-07-10	
DL21-07-11	
DL21-07-12	
DL21-07-13	
DL21-07-14	
DL21-07-15	
DL21-07-16	
DL21-07-17	
DL21-07-18	
DL21-07-19	
DL21-07-20	
DL21-07-21	
DL21-07-22	
DL21-07-23	
DL21-07-24	
DL21-07-25	
DL21-07-26	
DL21-07-27	500.73
DL21-07-28	
DL21-07-29	
DL21-07-30	
DL21-07-31	
DL21-07-32	
DL21-07-33	
DL21-07-34	500.48
DL21-07-35	
DL21-07-36	
DL21-07-37	490.22
DL21-07-38	
DL21-07-39	
DL21-07-40	
DL21-07-41	491.21
DL21-07-42	
DL21-07-43	490.32
DL21-07-44	492.42
DL21-07-45	
DL21-07-46	
DL21-07-47	
DL21-07-48	
DL21-07-49	
DL21-07-50	

Analyte Symbol	Total Weight
Unit Symbol	g
Lower Limit	
Method Code	FA-MeT
DL21-07-51	
DL21-07-52	
DL21-07-53	
DL21-07-54	
DL21-07-55	
DL21-07-56	
DL21-07-57	
DL21-07-58	
DL21-07-59	
DL21-07-60	
DL21-07-61	
DL21-07-62	
DL21-07-63	500.03
DL21-07-64	
DL21-07-65	
DL21-07-66	
DL21-07-67	
DL21-07-68	
DL21-07-69	
DL21-07-70	
DL21-07-71	
DL21-07-72	
DL21-07-73	
DL21-07-74	
DL21-07-75	
DL21-07-76	
DL21-07-77	
DL21-07-78	
DL21-07-79	
DL21-07-80	
DL21-07-81	
DL21-07-82	
DL21-07-83	
DL21-07-84	
DL21-07-85	
DL21-07-86	
DL21-07-87	
DL21-07-88	
DL21-07-89	
DL21-07-90	
DL21-07-91	
DL21-07-92	
DL21-07-93	
DL21-07-94	
DL21-07-95	
DL21-07-96	
DL21-07-97	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	62	985	< 1	23	98	123	6.80	204	< 10	859	0.8	< 2	0.16	12	74	5.08	20	< 1	1.06	11
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	67	1040	1	23	106	131	7.14	234	< 10	790	0.9	< 2	0.15	13	79	5.43	20	< 1	1.13	12
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	67	1060	1	25	104	129	7.21	236	< 10	823	0.9	< 2	0.15	13	80	5.51	20	< 1	1.16	12
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	67	1050	< 1	24	105	130	7.25	205	< 10	926	0.9	< 2	0.17	13	80	5.48	20	< 1	1.14	12
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 98 (Aqua Regia) Meas		37.5		> 10000				272	1130						22		94						
OREAS 98 (Aqua Regia) Cert		42.8		147000				343	1300						93		110						
OREAS 98 (Aqua Regia) Meas		37.5		> 10000				269	1120						18		92						
OREAS 98 (Aqua Regia) Cert		42.8		147000				343	1300						93		110						
OREAS 98 (Aqua Regia) Meas		39.7		> 10000				278	1160						12		95						
OREAS 98 (Aqua Regia) Cert		42.8		147000				343	1300						93		110						
OREAS 98 (Aqua Regia) Meas		40.5		> 10000				284	1180						14		95						
OREAS 98 (Aqua Regia) Cert		42.8		147000				343	1300						93		110						
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2170	756	< 1	32	64	262	2.91	4		85	0.7	4	0.41	18	44	4.97	< 10		0.46	38
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2220	787	< 1	37	64	272	3.00	8		84	0.7	5	0.42	19	46	5.20	< 10		0.48	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2280	790	< 1	36	68	273	3.01	7		89	0.7	6	0.43	19	46	5.25	< 10		0.50	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2280	787	< 1	37	69	280	3.05	5		82	0.7	7	0.42	19	46	5.22	< 10		0.48	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.9	< 0.5	4150	852	< 1	32	83	337	2.89	6		67	0.6	19	0.41	20	41	5.66	< 10		0.38	35
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4340	884	< 1	32	91	348	2.98	8		70	0.6	13	0.42	21	42	5.80	< 10		0.41	37
OREAS 923 (AQUA REGIA)		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Cert																							
OREAS 923 (AQUA REGIA) Meas		2.0	< 0.5	4390	886	< 1	33	87	345	3.03	6		70	0.6	19	0.43	21	42	5.80	< 10		0.42	37
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		3.1	< 0.5	4440	900	< 1	32	91	364	3.05	8		60	0.6	13	0.42	22	43	5.95	< 10		0.40	37
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 96 (Aqua Regia) Meas		10.6		> 10000				93	412						< 2		43						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		11.2		> 10000				94	423						14		44						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		11.2		> 10000				95	427						4		45						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		11.5		> 10000				98	433						23		45						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
OREAS 217 (Fire Assay) Meas	346																						
OREAS 217 (Fire Assay) Cert	338																						
Oreas 621 (Aqua Regia) Meas		67.8	276	3540	514	11	25	> 5000	> 10000	1.75	74			0.5	< 2	1.66	28	30	3.28	< 10	3	0.35	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		66.4	270	3460	506	11	25	> 5000	> 10000	1.71	73			0.5	< 2	1.63	28	29	3.21	< 10	3	0.35	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		72.5	287	3610	536	12	27	> 5000	> 10000	1.86	78			0.6	< 2	1.71	29	34	3.40	< 10	3	0.38	21
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		74.1	298	3730	543	12	27	> 5000	> 10000	1.84	76			0.6	< 2	1.73	29	33	3.47	< 10	4	0.37	21
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 229b (Fire Assay) Meas																							

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 229b (Fire Assay) Cert																							
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas				311	156	< 1	215	13	26	6.87			138	1.0	< 2	0.07	36	332	12.3	20	3	0.10	12
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 45f (Aqua Regia) Meas				326	168	< 1	225	13	31	7.18			139	1.0	< 2	0.07	38	340	12.7	20	< 1	0.10	12
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 45f (Aqua Regia) Meas				341	173	< 1	234	14	31	7.50			146	1.1	< 2	0.08	39	356	13.2	20	< 1	0.11	13
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 45f (Aqua Regia) Meas				329	160	< 1	224	14	30	6.99			139	1.0	< 2	0.08	38	347	12.9	20	2	0.10	12
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 238 (Fire Assay) Meas	3070																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3150																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3140																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3170																						
OREAS 238 (Fire Assay) Cert	3030																						
Oreas 237 (Fire Assay) Meas	2210																						
Oreas 237 (Fire Assay) Cert	2210																						
Oreas E1336 (Fire Assay) Meas	539																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	512																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	537																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	533																						
Oreas E1336 (Fire Assay) Cert	510																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas E1336 (Fire Assay) Meas	527																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	521																						
Oreas E1336 (Fire Assay) Cert	510																						
OREAS 297 (Fire Assay) Meas																							
OREAS 297 (Fire Assay) Cert																							
OREAS 297 (Fire Assay) Meas																							
OREAS 297 (Fire Assay) Cert																							
OREAS 297 (Fire Assay) Meas																							
OREAS 297 (Fire Assay) Cert																							
OREAS 297 (Fire Assay) Meas																							
OREAS 297 (Fire Assay) Cert																							
DL21-07-13 Orig		< 0.2	< 0.5	94	541	< 1	86	3	73	2.60	< 2	< 10	59	< 0.5	< 2	3.32	25	97	4.07	< 10	< 1	0.39	< 10
DL21-07-13 Dup		< 0.2	< 0.5	94	545	< 1	88	2	71	2.60	< 2	< 10	59	< 0.5	< 2	3.31	25	98	4.07	< 10	< 1	0.38	< 10
DL21-07-18 Orig	< 5																						
DL21-07-18 Dup	< 5																						
DL21-07-19 Orig	114																						
DL21-07-19 Dup	156																						
DL21-07-23 Orig	9																						
DL21-07-23 Dup	14																						
DL21-07-27 Orig		1.8	< 0.5	61	410	< 1	26	7	25	0.50	< 2	< 10	17	< 0.5	< 2	2.74	8	10	12.6	< 10	< 1	0.09	< 10
DL21-07-27 Dup		2.4	< 0.5	62	421	< 1	25	7	25	0.52	< 2	< 10	17	< 0.5	< 2	2.77	7	10	12.8	< 10	< 1	0.09	< 10
DL21-07-41 Orig		1.0	< 0.5	122	379	< 1	35	9	74	0.70	< 2	< 10	< 10	< 0.5	< 2	1.87	10	18	13.1	< 10	< 1	0.19	< 10
DL21-07-41 Dup		1.0	< 0.5	122	390	< 1	31	8	73	0.72	3	< 10	< 10	< 0.5	< 2	1.88	10	18	13.2	< 10	< 1	0.19	< 10
DL21-07-44 Orig	> 5000																						
DL21-07-44 Dup	> 5000																						
DL21-07-50 Orig	624	0.5	< 0.5	77	309	< 1	23	6	42	0.62	2	< 10	13	< 0.5	< 2	1.24	11	33	17.7	< 10	< 1	0.10	< 10
DL21-07-50 Split PREP DUP	620	0.4	< 0.5	76	309	< 1	23	8	41	0.61	3	< 10	13	< 0.5	3	1.23	11	33	17.7	< 10	< 1	0.10	< 10
DL21-07-53 Orig	152	0.4	< 0.5	137	630	< 1	53	6	29	2.74	< 2	< 10	22	< 0.5	< 2	1.20	25	69	12.6	< 10	< 1	0.09	< 10
DL21-07-53 Dup	150	0.4	< 0.5	140	638	< 1	54	6	29	2.75	< 2	< 10	13	< 0.5	< 2	1.21	25	69	12.6	< 10	< 1	0.09	< 10
DL21-07-57 Orig	30																						
DL21-07-57 Dup	20																						
DL21-07-62 Orig		< 0.2	< 0.5	36	474	< 1	66	4	33	1.16	< 2	< 10	21	< 0.5	< 2	3.91	9	148	8.69	< 10	< 1	0.06	14
DL21-07-62 Dup		< 0.2	< 0.5	36	480	< 1	64	6	33	1.18	< 2	< 10	22	< 0.5	< 2	3.95	9	150	8.85	< 10	< 1	0.06	14
DL21-07-76 Orig		0.4	< 0.5	77	1620	< 1	14	10	209	1.00	< 2	< 10	11	< 0.5	< 2	1.80	10	22	8.29	< 10	< 1	0.08	< 10
DL21-07-76 Dup		0.5	< 0.5	79	1640	< 1	14	11	215	1.01	< 2	< 10	11	< 0.5	< 2	1.83	10	22	8.42	< 10	< 1	0.09	< 10
DL21-07-78 Orig	10																						
DL21-07-78 Dup	9																						
DL21-07-88 Orig	33																						
DL21-07-88 Dup	25																						
DL21-07-90 Orig		0.5	< 0.5	67	645	< 1	27	9	83	1.60	< 2	< 10	31	< 0.5	< 2	2.67	9	47	13.0	< 10	< 1	0.45	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
DL21-07-90 Dup		0.5	< 0.5	68	661	< 1	27	9	85	1.64	2	< 10	37	< 0.5	< 2	2.70	9	48	13.1	< 10	< 1	0.45	< 10
DL21-07-91 Orig																							
DL21-07-91 Dup																							
DL21-07-92 Orig	6																						
DL21-07-92 Dup	7																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 5																						
Method Blank																							
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank																							
Method Blank																							
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Total Au	Total Weight
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT
GXR-6 Meas	0.36	0.073	0.035	0.01	2	23	35		< 20	< 1	< 2	< 10	156	< 10	6	7			
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110			
GXR-6 Meas	0.38	0.071	0.038	0.01	4	24	33		< 20	< 1	< 2	< 10	168	< 10	7	12			
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110			
GXR-6 Meas	0.39	0.073	0.038	0.01	4	24	34		< 20	< 1	< 2	< 10	170	< 10	7	11			
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110			
GXR-6 Meas	0.39	0.080	0.037	0.01	4	25	37		< 20	< 1	< 2	< 10	165	< 10	7	7			
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110			
OREAS 98 (Aqua Regia) Meas					18														
OREAS 98 (Aqua Regia) Cert					15														
OREAS 98 (Aqua Regia) Meas					17														
OREAS 98 (Aqua Regia) Cert					15														
OREAS 98 (Aqua Regia) Meas					18														
OREAS 98 (Aqua Regia) Cert					15														
OREAS 98 (Aqua Regia) Meas					18														
OREAS 98 (Aqua Regia) Cert					15														
OREAS 922 (AQUA REGIA) Meas	1.29	0.027	0.067	0.36	3	4	16		< 20		< 2	< 10	34	< 10	20	18			
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 922 (AQUA REGIA) Meas	1.35	0.024	0.071	0.38	3	4	17		< 20		< 2	< 10	35	< 10	21	31			
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 922 (AQUA REGIA) Meas	1.36	0.026	0.071	0.39	< 2	4	17		< 20		< 2	< 10	36	< 10	21	31			
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 922 (AQUA REGIA) Meas	1.36	0.025	0.072	0.38	3	4	17		< 20		< 2	< 10	36	< 10	20	24			
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3			
OREAS 923 (AQUA REGIA) Meas	1.37		0.065	0.65	2	4	14		< 20		< 2	< 10	33	< 10	18	26			
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5			
OREAS 923 (AQUA REGIA) Meas	1.42		0.067	0.67	4	4	15		< 20		< 2	< 10	35	< 10	19	35			

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Total Au	Total Weight
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5			
OREAS 923 (AQUA REGIA) Meas	1.41		0.067	0.69	2	4	15		< 20		< 2	< 10	35	< 10	19	35			
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5			
OREAS 923 (AQUA REGIA) Meas	1.47		0.068	0.69	3	4	15		< 20		< 2	< 10	35	< 10	18	26			
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5			
Oreas 96 (Aqua Regia) Meas				3.57	6														
Oreas 96 (Aqua Regia) Cert				4.38	4.53														
Oreas 96 (Aqua Regia) Meas				3.60	6														
Oreas 96 (Aqua Regia) Cert				4.38	4.53														
Oreas 96 (Aqua Regia) Meas				3.70	7														
Oreas 96 (Aqua Regia) Cert				4.38	4.53														
Oreas 96 (Aqua Regia) Meas				3.81	7														
Oreas 96 (Aqua Regia) Cert				4.38	4.53														
OREAS 217 (Fire Assay) Meas																			
OREAS 217 (Fire Assay) Cert																			
Oreas 621 (Aqua Regia) Meas	0.42	0.175	0.036	4.47	101	2	18		< 20		< 2	< 10	12	< 10	7	63			
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0			
Oreas 621 (Aqua Regia) Meas	0.41	0.171	0.036	4.34	110	2	18		< 20		< 2	< 10	12	< 10	7	65			
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0			
Oreas 621 (Aqua Regia) Meas	0.44	0.185	0.038	4.65	116	2	20		< 20		< 2	< 10	13	< 10	8	71			
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0			
Oreas 621 (Aqua Regia) Meas	0.44	0.184	0.038	4.81	106	2	19		< 20		2	< 10	13	< 10	8	63			
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0			
OREAS 229b (Fire Assay) Meas																	12.1	12.2	
OREAS 229b (Fire Assay) Cert																	11.9	11.9	
OREAS 229b (Fire Assay) Meas																	11.8	11.9	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Total Au	Total Weight
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT
OREAS 229b (Fire Assay) Cert																	11.9	11.9	
OREAS 229b (Fire Assay) Meas																	11.9		
OREAS 229b (Fire Assay) Cert																	11.9		
OREAS 229b (Fire Assay) Meas																	11.8		
OREAS 229b (Fire Assay) Cert																	11.9		
OREAS 45f (Aqua Regia) Meas	0.16	0.037	0.021	0.02		30	14	0.09	< 20		2	< 10	187		6	13			
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0			
OREAS 45f (Aqua Regia) Meas	0.17	0.038	0.023	0.02		31	16	0.13	< 20		< 2	< 10	200		6	27			
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0			
OREAS 45f (Aqua Regia) Meas	0.17	0.040	0.023	0.02		32	16	0.12	< 20		2	< 10	205		6	20			
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0			
OREAS 45f (Aqua Regia) Meas	0.17	0.039	0.022	0.02		31	15	0.08	< 20		< 2	< 10	192		6	11			
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0			
OREAS 238 (Fire Assay) Meas																			
OREAS 238 (Fire Assay) Cert																			
OREAS 238 (Fire Assay) Meas																			
OREAS 238 (Fire Assay) Cert																			
OREAS 238 (Fire Assay) Meas																			
OREAS 238 (Fire Assay) Cert																			
OREAS 238 (Fire Assay) Meas																			
OREAS 238 (Fire Assay) Cert																			
Oreas 237 (Fire Assay) Meas																			
Oreas 237 (Fire Assay) Cert																			
Oreas E1336 (Fire Assay) Meas																			
Oreas E1336 (Fire Assay) Cert																			
Oreas E1336 (Fire Assay) Meas																			
Oreas E1336 (Fire Assay) Cert																			
Oreas E1336 (Fire Assay) Meas																			
Oreas E1336 (Fire																			

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Total Au	Total Weight
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT
Assay) Cert																			
Oreas E1336 (Fire Assay) Meas																			
Oreas E1336 (Fire Assay) Cert																			
Oreas E1336 (Fire Assay) Meas																			
Oreas E1336 (Fire Assay) Cert																			
Oreas E1336 (Fire Assay) Meas																			
Oreas E1336 (Fire Assay) Cert																			
OREAS 297 (Fire Assay) Meas																	18.1	17.7	
OREAS 297 (Fire Assay) Cert																	17.8	17.8	
OREAS 297 (Fire Assay) Meas																	18.0	17.6	
OREAS 297 (Fire Assay) Cert																	17.8	17.8	
OREAS 297 (Fire Assay) Meas																	18.3		
OREAS 297 (Fire Assay) Cert																	17.8		
OREAS 297 (Fire Assay) Meas																	17.0		
OREAS 297 (Fire Assay) Cert																	17.8		
DL21-07-13 Orig	1.85	0.275	0.027	0.12	< 2	13	16	0.18	< 20	< 1	< 2	< 10	104	< 10	7	2			
DL21-07-13 Dup	1.85	0.276	0.027	0.12	2	13	16	0.18	< 20	< 1	< 2	< 10	105	< 10	7	2			
DL21-07-18 Orig																			
DL21-07-18 Dup																			
DL21-07-19 Orig																			
DL21-07-19 Dup																			
DL21-07-23 Orig																			
DL21-07-23 Dup																			
DL21-07-27 Orig	0.18	0.059	0.086	2.26	5	< 1	54	0.02	< 20	< 1	< 2	< 10	10	< 10	4	10	7.31	8.10	500.73
DL21-07-27 Dup	0.18	0.061	0.086	2.27	7	< 1	53	0.02	< 20	< 1	< 2	< 10	9	< 10	5	10	7.24		
DL21-07-41 Orig	0.29	0.060	0.098	5.57	6	1	58	0.03	< 20	< 1	< 2	< 10	16	< 10	5	10		5.71	491.21
DL21-07-41 Dup	0.30	0.064	0.097	5.79	6	1	57	0.03	< 20	2	< 2	< 10	15	< 10	5	11			
DL21-07-44 Orig																		5.46	492.42
DL21-07-44 Dup																			
DL21-07-50 Orig	0.37	0.061	0.068	3.34	7	1	37	0.05	< 20	< 1	< 2	< 10	19	< 10	3	10			
DL21-07-50 Split PREP DUP	0.37	0.061	0.068	3.30	8	1	36	0.05	< 20	5	< 2	< 10	21	< 10	3	10			
DL21-07-53 Orig	2.25	0.085	0.063	3.14	5	6	13	0.13	< 20	< 1	< 2	< 10	82	< 10	4	7			
DL21-07-53 Dup	2.27	0.085	0.064	3.14	5	6	13	0.13	< 20	5	< 2	< 10	82	< 10	4	7			
DL21-07-57 Orig																			
DL21-07-57 Dup																			
DL21-07-62 Orig	1.00	0.113	0.098	0.81	4	3	49	0.09	< 20	1	< 2	< 10	28	< 10	5	14			
DL21-07-62 Dup	1.02	0.115	0.099	0.83	4	3	49	0.09	< 20	< 1	< 2	< 10	28	< 10	5	13			
DL21-07-76 Orig	0.36	0.030	0.060	1.61	2	< 1	43	0.03	< 20	< 1	< 2	< 10	12	< 10	3	9			

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au	Total Au	Total Weight
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne	g/mt	g
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03	0.03	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GRA	FA-MeT	FA-MeT
DL21-07-76 Dup	0.36	0.031	0.061	1.61	3	< 1	44	0.03	< 20	< 1	< 2	< 10	12	< 10	4	9			
DL21-07-78 Orig																			
DL21-07-78 Dup																			
DL21-07-88 Orig																			
DL21-07-88 Dup																			
DL21-07-90 Orig	0.68	0.112	0.068	1.46	5	3	116	0.05	< 20	< 1	< 2	< 10	30	< 10	4	9			
DL21-07-90 Dup	0.69	0.115	0.068	1.47	6	3	118	0.05	< 20	< 1	< 2	< 10	30	< 10	4	9			
DL21-07-91 Orig																	1.56		
DL21-07-91 Dup																	1.57		
DL21-07-92 Orig																			
DL21-07-92 Dup																			
Method Blank																			
Method Blank																			
Method Blank																			
Method Blank																			
Method Blank																			
Method Blank																			
Method Blank																			
Method Blank																	< 0.03		
Method Blank																	< 0.03		
Method Blank																	< 0.03		
Method Blank																			
Method Blank																		< 0.03	
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1			
Method Blank																		< 0.03	
Method Blank																	< 0.03		
Method Blank																			
Method Blank																			
Method Blank																	< 0.03		

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-04665**
Report Date: **21-Mar-21**
Date Submitted: **19-Mar-21**
Your Reference:

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

12 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-03-21 14:44:11

REPORT **A21-04665**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
DL21-07-098	17
DL21-07-099	42
DL21-07-100	282
DL21-07-101	307
DL21-07-102	83
DL21-07-103	28
DL21-07-104	44
DL21-07-105	401
DL21-07-106	121
DL21-07-107	26
DL21-07-108	8
DL21-07-109	8

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 238 (Fire Assay) Meas	3110
OREAS 238 (Fire Assay) Cert	3030
Oreas E1336 (Fire Assay) Meas	513
Oreas E1336 (Fire Assay) Cert	510
DL21-07-106 Orig	127
DL21-07-106 Dup	114
Method Blank	< 5

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-02740**
Report Date: **10-Mar-21**
Date Submitted: **19-Feb-21**
Your Reference:

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

ATTN: Sandy Stares (res)

CERTIFICATE OF ANALYSIS

27 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-03-08 08:40:01
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-03-09 17:01:03

REPORT **A21-02740**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA-GRA
DL-21-08-01	100	
DL-21-08-02	115	
DL-21-08-03	16	
DL-21-08-04	26	
DL-21-08-05	< 5	
DL-21-08-06	24	
DL-21-08-07	< 5	
DL-21-08-08	22	
DL-21-08-09	18	
DL-21-08-010	145	
DL-21-08-011	< 5	
DL-21-08-012	261	
DL-21-08-013	1070	1.61
DL-21-08-014	17	
DL-21-08-015	91	
DL-21-08-016	29	
DL-21-08-017	58	
DL-21-08-018	< 5	
DL-21-08-019	247	
DL-21-08-020	539	
DL-21-08-021	3010	2.87
DL-21-08-022	2120	2.10
DL-21-08-023	1400	1.55
DL-21-08-024	711	
DL-21-08-025	444	
DL-21-08-026	93	
DL-21-08-027	52	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA-GRA
OREAS 229b (Fire Assay) Meas		12.3
OREAS 229b (Fire Assay) Cert		11.9
OREAS 238 (Fire Assay) Meas	3110	
OREAS 238 (Fire Assay) Cert	3030	
Oreas E1336 (Fire Assay) Meas	491	
Oreas E1336 (Fire Assay) Cert	510	
OREAS 297 (Fire Assay) Meas		18.5
OREAS 297 (Fire Assay) Cert		17.8
DL-21-08-09 Orig	18	
DL-21-08-09 Dup	18	
DL-21-08-019 Orig	235	
DL-21-08-019 Dup	259	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-03181**
Report Date: **08-Mar-21**
Date Submitted: **25-Feb-21**
Your Reference: **Dona**

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

ATTN: Sandy Stares (res)

CERTIFICATE OF ANALYSIS

9 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-03-08 08:40:01

REPORT **A21-03181**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
DL21-009-001	57
DL21-009-002	437
DL21-009-003	9
DL21-009-004	58
DL21-009-005	10
DL21-009-006	< 5
DL21-009-007	7
DL21-009-008	5
DL21-009-009	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 238 (Fire Assay) Meas	3110
OREAS 238 (Fire Assay) Cert	3030
Oreas E1336 (Fire Assay) Meas	491
Oreas E1336 (Fire Assay) Cert	510
Method Blank	< 5
Method Blank	< 5

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-06821**
Report Date: **12-May-21**
Date Submitted: **20-Apr-21**
Your Reference:

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

66 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-05-08 12:00:06
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-05-10 20:46:40

REPORT **A21-06821**

Notes:

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

SCC Accredited LAB Accrédité CCN TM
LabID: 673

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA-GRA
DL-21-010-001	5	
DL-21-010-002	7	
DL-21-010-003	67	
DL-21-010-004	< 5	
DL-21-010-005	10	
DL-21-010-006	25	
DL-21-010-007	124	
DL-21-010-008	8	
DL-21-010-009	156	
DL-21-010-010	12	
DL-21-010-011	5	
DL-21-010-012	9	
DL-21-010-013	20	
DL-21-010-014	18	
DL-21-010-015	< 5	
DL-21-010-016	< 5	
DL-21-010-017	6	
DL-21-010-018	18	
DL-21-010-019	< 5	
DL-21-010-020	20	
DL-21-010-021	3030	3.08
DL-21-010-022	19	
DL-21-010-023	< 5	
DL-21-010-024	6	
DL-21-010-025	311	
DL-21-010-026	162	
DL-21-010-027	114	
DL-21-010-028	5	
DL-21-010-029	47	
DL-21-010-030	5	
DL-21-010-031	540	
DL-21-010-032	527	
DL-21-010-033	107	
DL-21-010-034	23	
DL-21-010-035	122	
DL-21-010-036	< 5	
DL-21-010-037	114	
DL-21-010-038	108	
DL-21-010-039	770	
DL-21-010-040	458	
DL-21-010-041	852	
DL-21-010-042	930	
DL-21-010-043	151	
DL-21-010-044	2340	2.74
DL-21-010-045	3360	3.65
DL-21-010-046	36	
DL-21-010-047	1680	1.52
DL-21-010-048	683	
DL-21-010-049	1500	1.48
DL-21-010-050	1480	1.13

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA-GRA
DL-21-010-051	362	
DL-21-010-052	16	
DL-21-010-053	245	
DL-21-010-054	89	
DL-21-010-055	142	
DL-21-010-056	204	
DL-21-010-057	43	
DL-21-010-058	5	
DL-21-010-059	36	
DL-21-010-060	5	
DL-21-010-061	168	
DL-21-010-062	44	
DL-21-010-063	206	
DL-21-010-064	151	
DL-21-010-065	42	
DL-21-010-066	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA-GRA
OREAS 229b (Fire Assay) Meas		12.1
OREAS 229b (Fire Assay) Cert		11.9
OREAS 229b (Fire Assay) Meas		12.0
OREAS 229b (Fire Assay) Cert		11.9
Oreas 237 (Fire Assay) Meas	2220	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2240	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2130	
Oreas 237 (Fire Assay) Cert	2210	
Oreas E1336 (Fire Assay) Meas	517	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	517	
Oreas E1336 (Fire Assay) Cert	510	
OREAS 297 (Fire Assay) Meas		17.5
OREAS 297 (Fire Assay) Cert		17.8
OREAS 297 (Fire Assay) Meas		18.0
OREAS 297 (Fire Assay) Cert		17.8
DL-21-010-009 Orig	146	
DL-21-010-009 Dup	165	
DL-21-010-019 Orig	< 5	
DL-21-010-019 Dup	< 5	
DL-21-010-023 Orig	< 5	
DL-21-010-023 Dup	< 5	
DL-21-010-044 Orig	2350	
DL-21-010-044 Dup	2330	
DL-21-010-045 Orig		3.65
DL-21-010-050 Orig	1480	1.13
DL-21-010-050 Split PREP DUP	1060	1.08

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA-GRA
DL-21-010-053 Orig	247	
DL-21-010-053 Dup	243	
DL-21-010-057 Orig	43	
DL-21-010-057 Dup	42	
DL-21-010-066 Orig	< 5	
DL-21-010-066 Split PREP DUP	5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.03
Method Blank	< 5	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-07600**
Report Date: **20-May-21**
Date Submitted: **30-Apr-21**
Your Reference:

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

87 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-05-07 21:03:47

REPORT **A21-07600**

Notes:

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

SCC Accredited LAB Accrédité CCN TM
LabID: 673

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
DL21-011-001	7								
DL21-011-002	59								
DL21-011-003	29								
DL21-011-004	589								
DL21-011-005	541								
DL21-011-006	78								
DL21-011-007	7								
DL21-011-008	59								
DL21-011-009	61								
DL21-011-010	9								
DL21-011-011	10								
DL21-011-012	6								
DL21-011-013	10								
DL21-011-014	< 5								
DL21-011-015	6								
DL21-011-016	5								
DL21-011-017	< 5								
DL21-011-018	12								
DL21-011-019	< 5								
DL21-011-020	9								
DL21-011-021	< 5								
DL21-011-022	33								
DL21-011-023	114								
DL21-011-024	< 5								
DL21-011-025	40								
DL21-011-026	107								
DL21-011-027	715								
DL21-011-028	1650	1.89							
DL21-011-029	1370	1.42							
DL21-011-030	254								
DL21-011-031	1360	1.48							
DL21-011-032	88								
DL21-011-033	8								
DL21-011-034	49								
DL21-011-035	59								
DL21-011-036	< 5								
DL21-011-037	924								
DL21-011-038	582								
DL21-011-039	367								
DL21-011-040	4170	3.84							
DL21-011-041	538								
DL21-011-042	692								
DL21-011-043	652								
DL21-011-044	1260	1.18							
DL21-011-045	1640	2.09							
DL21-011-046	832								
DL21-011-047	< 5								
DL21-011-048	22								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
DL21-011-049	10								
DL21-011-050	167								
DL21-011-051	125								
DL21-011-052	74								
DL21-011-053	912								
DL21-011-054	4330	4.87							
DL21-011-055	16								
DL21-011-056	118								
DL21-011-057	3360	2.64							
DL21-011-058	5								
DL21-011-059	< 5								
DL21-011-060	2420	2.36							
DL21-011-061	20								
DL21-011-062	74								
DL21-011-063	12								
DL21-011-064	1460	1.32							
DL21-011-065	6								
DL21-011-066	1850	1.66							
DL21-011-067	911								
DL21-011-068	1830	1.65							
DL21-011-069	2130	2.27							
DL21-011-070	< 5								
DL21-011-071	1150	1.13							
DL21-011-072	58								
DL21-011-073	5								
DL21-011-074	< 5								
DL21-011-075	> 5000	10.1	65.2	5.51	6.72	7.49	11.94	499.78	511.72
DL21-011-076	582								
DL21-011-077	45								
DL21-011-078	28								
DL21-011-079	34								
DL21-011-080	6								
DL21-011-081	261								
DL21-011-082	99								
DL21-011-083	1050	1.16							
DL21-011-084	9								
DL21-011-085	154								
DL21-011-086	296								
DL21-011-087	< 5								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OREAS 229b (Fire Assay) Meas		12.0				12.2			
OREAS 229b (Fire Assay) Cert		11.9				11.9			
OREAS 229b (Fire Assay) Meas		12.0				11.6			
OREAS 229b (Fire Assay) Cert		11.9				11.9			
Oreas 237 (Fire Assay) Meas	2230								
Oreas 237 (Fire Assay) Cert	2210								
Oreas 237 (Fire Assay) Meas	2290								
Oreas 237 (Fire Assay) Cert	2210								
Oreas 237 (Fire Assay) Meas	2290								
Oreas 237 (Fire Assay) Cert	2210								
Oreas 237 (Fire Assay) Meas	2220								
Oreas 237 (Fire Assay) Cert	2210								
Oreas 237 (Fire Assay) Meas	2250								
Oreas 237 (Fire Assay) Cert	2210								
Oreas E1336 (Fire Assay) Meas	510								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	528								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	523								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	508								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	523								
Oreas E1336 (Fire Assay) Cert	510								
OREAS 297 (Fire Assay) Meas		18.0				18.1			
OREAS 297 (Fire Assay) Cert		17.8				17.8			
OREAS 297 (Fire Assay) Meas		18.0							
OREAS 297 (Fire		17.8							

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Assay) Cert									
DL21-011-009 Orig	61								
DL21-011-009 Dup	60								
DL21-011-019 Orig	6								
DL21-011-019 Dup	< 5								
DL21-011-023 Orig	118								
DL21-011-023 Dup	110								
DL21-011-031 Orig		1.48							
DL21-011-043 Orig	599								
DL21-011-043 Dup	705								
DL21-011-050 Orig	167								
DL21-011-050 Split PREP DUP	161								
DL21-011-053 Orig	910								
DL21-011-053 Dup	914								
DL21-011-058 Orig	5								
DL21-011-058 Dup	5								
DL21-011-075 Orig			65.2	5.51	6.72	7.49	11.94	499.78	511.72
DL21-011-078 Orig	26								
DL21-011-078 Dup	29								
DL21-011-087 Orig	< 5								
DL21-011-087 Split PREP DUP	6								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank		< 0.03							
Method Blank						< 0.03			
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank						< 0.03			
Method Blank		< 0.03							
Method Blank	< 5								

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-08196**
Report Date: **20-May-21**
Date Submitted: **10-May-21**
Your Reference:

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

95 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-05-11 19:33:34
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-05-18 11:59:31
1A4 (100mesh)-Tbay	QOP AA-Au (Au-Fire Assay-Metallic Screen-500g)	2021-05-18 14:01:22

REPORT **A21-08196**

Notes:

A representative 500 gram split is seived at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

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

SCC Accredited LAB Accrédité CCN TM
LabID: 673

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
DL21-011-088	6								
DL21-011-089	329								
DL21-011-089A	16								
DL21-011-090	11								
DL21-011-091	10								
DL21-011-092	8								
DL21-011-093	98								
DL21-011-094	35								
DL21-011-095	49								
DL-21-012-001	27								
DL-21-012-002	100								
DL-21-012-003	110								
DL-21-012-004	26								
DL-21-012-005	77								
DL-21-012-006	40								
DL-21-012-007	18								
DL-21-012-008	27								
DL-21-012-009	515								
DL21-012-010	< 5								
DL21-012-011	154								
DL21-012-012	< 5								
DL21-012-013	6								
DL21-012-014	10								
DL21-012-015	59								
DL21-012-016	42								
DL21-012-017	11								
DL21-012-018	36								
DL21-012-019	14								
DL21-012-020	< 5								
DL21-012-021	66								
DL21-012-022	40								
DL21-012-023	1530	1.26							
DL21-012-024	330								
DL21-012-025	< 5								
DL21-012-026	95								
DL21-012-027	13								
DL21-012-028	11								
DL21-012-029	413								
DL21-012-030	> 5000	6.59	16.5	8.40	7.98	8.49	17.90	476.02	493.92
DL21-012-031	3080	2.76							
DL21-012-032	1190	1.18							
DL21-012-033	569								
DL21-012-034	13								
DL21-012-035	1020	0.96							
DL21-012-036	682								
DL21-012-037	1470	1.18							
DL21-012-038	927								
DL21-012-039	431								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
DL21-012-040	> 5000	6.86	50.4	5.61	4.78	6.65	16.19	487.37	503.56
DL21-012-041	447								
DL21-012-042	> 5000	8.56	35.7	8.60	8.65	9.41	16.74	559.68	576.42
DL21-012-043	4790	4.85							
DL21-012-044	> 5000	7.16	20.1	7.81	7.83	8.27	18.12	476.00	494.12
DL21-012-045	267								
DL21-012-046	> 5000	9.26	16.6	7.64	7.63	8.00	20.10	475.02	495.12
DL21-012-047	62								
DL21-012-048	> 5000	5.48	9.97	7.80	6.93	7.46	18.99	485.53	504.52
DL21-012-049	< 5								
DL21-012-050	1160	1.18							
DL21-012-051	344								
DL21-012-052	1140	1.10							
DL21-012-053	3070	2.83							
DL21-012-054	1690	1.78							
DL21-012-055	1090	1.22							
DL21-012-056	1070	1.27							
DL21-012-057	413								
DL21-012-058	3430	3.68							
DL21-012-059	232								
DL21-012-060	220								
DL21-012-061	11								
DL21-012-062	46								
DL21-012-063	77								
DL21-012-064	112								
DL21-012-065	14								
DL21-012-066	43								
DL21-012-067	6								
DL21-012-068	7								
DL21-012-069	24								
DL21-012-070	< 5								
DL21-012-071	16								
DL21-012-072	23								
DL21-012-073	8								
DL21-012-074	26								
DL21-012-075	5								
DL21-012-076	6								
DL21-012-077	18								
DL21-012-078	< 5								
DL21-012-079	342								
DL21-012-080	320								
DL21-012-081	489								
DL21-012-082	3950	4.12							
DL21-012-083	722								
DL21-012-084	777								
DL21-012-085	37								
DL21-012-086	31								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OREAS 229b (Fire Assay) Meas		12.2				12.4			
OREAS 229b (Fire Assay) Cert		11.9				11.9			
Oreas 237 (Fire Assay) Meas	2300								
Oreas 237 (Fire Assay) Cert	2210								
Oreas 237 (Fire Assay) Meas	2260								
Oreas 237 (Fire Assay) Cert	2210								
Oreas 237 (Fire Assay) Meas	2200								
Oreas 237 (Fire Assay) Cert	2210								
Oreas 237 (Fire Assay) Meas	2200								
Oreas 237 (Fire Assay) Cert	2210								
Oreas 237 (Fire Assay) Meas	2310								
Oreas 237 (Fire Assay) Cert	2210								
Oreas E1336 (Fire Assay) Meas	519								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	509								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	500								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	507								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	516								
Oreas E1336 (Fire Assay) Cert	510								
OREAS 297 (Fire Assay) Meas		18.0							
OREAS 297 (Fire Assay) Cert		17.8							
DL21-011-095 Orig	56								
DL21-011-095 Dup	41								
DL21-012-019 Orig	14								
DL21-012-019	14								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Dup									
DL21-012-022 Orig	42								
DL21-012-022 Dup	38								
DL21-012-030 Orig			16.5	8.40	7.98	8.49	17.90	476.02	493.92
DL21-012-040 Orig			50.4	5.61	4.78	6.65	16.19	487.37	503.56
DL21-012-041 Orig	447								
DL21-012-041 Split PREP DUP	430								
DL21-012-042 Orig			35.7	8.60	8.65	9.41	16.74	559.68	576.42
DL21-012-043 Orig	4730								
DL21-012-043 Dup	4860								
DL21-012-044 Orig		6.84	20.1	7.81	7.83	8.27	18.12	476.00	494.12
DL21-012-044 Dup		7.49							
DL21-012-046 Orig			16.6	7.64	7.63	8.00	20.10	475.02	495.12
DL21-012-048 Orig			9.97	7.80	6.93	7.46	18.99	485.53	504.52
DL21-012-051 Orig	361								
DL21-012-051 Dup	327								
DL21-012-057 Orig	448								
DL21-012-057 Dup	378								
DL21-012-058 Dup		3.68							
DL21-012-079 Orig	354								
DL21-012-079 Dup	330								
DL21-012-086 Split PREP DUP	13								
DL21-012-086 Orig	31								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	5								
Method Blank	< 5								
Method Blank		< 0.03							

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Method Blank						< 0.03			

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-09010**
Report Date: **15-Jun-21**
Date Submitted: **18-May-21**
Your Reference: **Dona**

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

24 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-06-03 09:41:54
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-06-09 13:24:15

REPORT **A21-09010**

Notes:

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

SCC Accredited LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA-GRA
DL21-013-001	12	
DL21-013-002	141	
DL21-013-003	108	
DL21-013-004	87	
DL21-013-005	< 5	
DL21-013-006	196	
DL21-013-007	103	
DL21-013-008	20	
DL21-013-009	47	
DL21-013-010	113	
DL21-013-011	156	
DL21-013-012	459	
DL21-013-013	26	
DL21-013-014	27	
DL21-013-015	16	
DL21-013-016	29	
DL21-013-017	9	
DL21-013-018	12	
DL21-013-019	352	
DL21-013-020	20	
DL21-013-021	175	
DL21-013-022	2320	3.55
DL21-013-023	28	
DL21-013-024	9	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA-GRA
OREAS 229b (Fire Assay) Meas		12.1
OREAS 229b (Fire Assay) Cert		11.9
OREAS 229b (Fire Assay) Meas		11.8
OREAS 229b (Fire Assay) Cert		11.9
Oreas 237 (Fire Assay) Meas	2160	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2230	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2210	
Oreas 237 (Fire Assay) Cert	2210	
OREAS 257b (Fire Assay) Meas		14.0
OREAS 257b (Fire Assay) Cert		14.2
OREAS 257b (Fire Assay) Meas		14.1
OREAS 257b (Fire Assay) Cert		14.2
Oreas E1336 (Fire Assay) Meas	502	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	513	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	508	
Oreas E1336 (Fire Assay) Cert	510	
DL21-013-006 Orig	175	
DL21-013-006 Dup	216	
DL21-013-020 Orig	19	
DL21-013-020 Dup	20	
DL21-013-022 Orig	2400	3.83
DL21-013-022 Dup	2240	3.28
DL21-013-024 Orig	9	
DL21-013-024 Split PREP DUP	7	
Method Blank	< 5	

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

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-09462**
Report Date: **21-Jun-21**
Date Submitted: **28-May-21**
Your Reference:

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

98 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-06-09 15:51:49
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-06-15 16:11:18
1A4-1000 (100mesh)-Tbay	QOP AA-Au (Au-Fire Assay-Metallic Screen-1000g)	2021-06-15 12:57:04

REPORT **A21-09462**

Notes:

A representative 1000 gram split is seived at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

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

Footnote: Sample DL21-014-057 has insufficient sample left for 1A3 analysis.

SCC Accredited LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
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Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppb	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	5	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-GRA
DL21-014-001	6								
DL21-014-002	75								
DL21-014-003	23								
DL21-014-004	20								
DL21-014-005	154								
DL21-014-006	1140								1.19
DL21-014-007	19								
DL21-014-008	456								
DL21-014-009	73								
DL21-014-010	199								
DL21-014-011	15								
DL21-014-012	142								
DL21-014-013	172								
DL21-014-014	1510								1.42
DL21-014-015	263								
DL21-014-016	37								
DL21-014-017	61								
DL21-014-018	35								
DL21-014-019	331								
DL21-014-020	98								
DL21-014-021	23								
DL21-014-022	573								
DL21-014-023	10								
DL21-014-024	12								
DL21-014-025	53								
DL21-014-026	17								
DL21-014-027	56								
DL21-014-028	115								
DL21-014-029	57								
DL21-014-030	25								
DL21-014-031	18								
DL21-014-032	141								
DL21-014-033	90								
DL21-014-034	< 5								
DL21-014-035	229								
DL21-014-036	438								
DL21-014-037	962								
DL21-014-038	4440								3.91
DL21-014-039	90								
DL21-014-040	716								
DL21-014-041	49								
DL21-014-042	12								
DL21-014-043	55								
DL21-014-044	12								
DL21-014-045	8								
DL21-014-046	< 5								
DL21-014-047	162								
DL21-014-048	1400								1.08

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppb	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	5	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-GRA
DL21-014-049	> 5000	67.7	11.7	12.2	13.0	18.33	960.82	979.15	12.2
DL21-014-050	> 5000	53.0	12.9	11.9	13.2	21.44	1016.3	1037.8	12.0
DL21-014-051	2420								2.44
DL21-014-052	338								
DL21-014-053	242								
DL21-014-054	876								
DL21-014-055	348								
DL21-014-056	739								
DL21-014-057	1490								
DL21-014-058	> 5000	13.2	7.63	8.70	8.29	24.50	957.47	981.97	7.33
DL21-014-059	> 5000	49.7	8.18	6.80	8.39	19.80	911.05	930.85	8.49
DL21-014-060	> 5000	226	8.16	8.75	10.8	11.05	999.79	1010.8	8.97
DL21-014-061	3200								3.14
DL21-014-062	2410								2.27
DL21-014-063	2750								2.63
DL21-014-064	2160								2.64
DL21-014-065	199								
DL21-014-066	727								
DL21-014-067	10								
DL21-014-068	2530								2.58
DL21-014-069	2470								2.18
DL21-014-070	2280								2.29
DL21-014-071	> 5000	17.9	7.11	7.46	7.54	21.86	894.46	916.32	8.34
DL21-014-072	750								
DL21-014-073	141								
DL21-014-074	257								
DL21-014-075	386								
DL21-014-076	25								
DL21-014-077	42								
DL21-014-078	7								
DL21-014-079	6								
DL21-014-080	54								
DL21-014-081	6								
DL21-014-082	8								
DL21-014-083	18								
DL21-014-084	18								
DL21-014-085	79								
DL21-014-086	10								
DL21-014-087	150								
DL21-014-088	8								
DL21-014-089	1300								1.21
DL21-014-090	33								
DL21-014-091	34								
DL21-014-092	363								
DL21-014-093	455								
DL21-014-094	93								
DL21-014-095	307								
DL21-014-096	67								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppb	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	5	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-GRA
DL21-014-097	60								
DL21-014-098	8								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppb	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	5	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-GRA
OREAS 229b (Fire Assay) Meas					12.1				12.0
OREAS 229b (Fire Assay) Cert					11.9				11.9
OREAS 229b (Fire Assay) Meas									12.0
OREAS 229b (Fire Assay) Cert									11.9
OREAS 229b (Fire Assay) Meas									11.8
OREAS 229b (Fire Assay) Cert									11.9
OREAS 229b (Fire Assay) Meas									12.0
OREAS 229b (Fire Assay) Cert									11.9
Oreas 237 (Fire Assay) Meas	2240								
Oreas 237 (Fire Assay) Cert	2210								
Oreas 237 (Fire Assay) Meas	2180								
Oreas 237 (Fire Assay) Cert	2210								
Oreas 237 (Fire Assay) Meas	2290								
Oreas 237 (Fire Assay) Cert	2210								
Oreas 237 (Fire Assay) Meas	2280								
Oreas 237 (Fire Assay) Cert	2210								
Oreas 237 (Fire Assay) Meas	2300								
Oreas 237 (Fire Assay) Cert	2210								
OREAS 257b (Fire Assay) Meas					14.5				14.1
OREAS 257b (Fire Assay) Cert					14.2				14.2
OREAS 257b (Fire Assay) Meas									14.1
OREAS 257b (Fire Assay) Cert									14.2
OREAS 257b (Fire Assay) Meas									13.8
OREAS 257b (Fire Assay) Cert									14.2
OREAS 257b (Fire Assay) Meas									14.0
OREAS 257b (Fire Assay) Cert									14.2
Oreas E1336 (Fire Assay) Meas	514								
Oreas E1336 (Fire	510								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppb	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	5	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-GRA
Assay) Cert									
Oreas E1336 (Fire Assay) Meas	520								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	530								
Oreas E1336 (Fire Assay) Cert	510								
DL21-014-010 Orig	163								
DL21-014-010 Dup	234								
DL21-014-012 Orig	126								
DL21-014-012 Dup	157								
DL21-014-020 Orig	106								
DL21-014-020 Dup	90								
DL21-014-031 Orig	17								
DL21-014-031 Dup	18								
DL21-014-040 Orig	718								
DL21-014-040 Dup	714								
DL21-014-042 Orig	11								
DL21-014-042 Dup	13								
DL21-014-049 Orig		67.7	11.7	12.2	13.0	18.33	960.82	979.15	
DL21-014-050 Orig	> 5000								12.0
DL21-014-050 Split PREP DUP	> 5000								11.7
DL21-014-050 Orig		53.0	12.9	11.9	13.2	21.44	1016.3	1037.8	
DL21-014-053 Orig	277								
DL21-014-053 Dup	207								
DL21-014-058 Orig		13.2	7.63	8.70	8.29	24.50	957.47	981.97	
DL21-014-059 Orig		49.7	8.18	6.80	8.39	19.80	911.05	930.85	
DL21-014-060 Orig		226	8.16	8.75	10.8	11.05	999.79	1010.8	
DL21-014-066 Orig	709								
DL21-014-066 Dup	745								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppb	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	5	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-GRA
DL21-014-068 Dup									2.58
DL21-014-071 Orig		17.9	7.11	7.46	7.54	21.86	894.46	916.32	
DL21-014-079 Orig	6								
DL21-014-079 Dup	5								
DL21-014-098 Orig	8								
DL21-014-098 Split PREP DUP	8								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	5								
Method Blank	< 5								
Method Blank									< 0.03
Method Blank					< 0.03				
Method Blank	< 5								
Method Blank									< 0.03
Method Blank									< 0.03
Method Blank									< 0.03
Method Blank									< 0.03

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-10338**
Report Date: **02-Jul-21**
Date Submitted: **08-Jun-21**
Your Reference: **Dona**

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

5 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-06-23 21:05:53
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-06-28 13:49:44
1A4-1000 (100mesh)-Tbay	QOP AA-Au (Au-Fire Assay-Metallic Screen-1000g)	2021-06-28 13:49:27

REPORT **A21-10338**

Notes:

A representative 1000 gram split is seived at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

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

SCC Accredited LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppb	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	5	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-GRA
DL21-015-001	32								
DL21-015-002	> 5000	343	1.82	1.83	6.96	12.40	811.60	824.00	4.99
DL21-015-003	1010								0.99
DL21-015-004	524								
DL21-015-005	6								

Analyte Symbol	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au	Au
Unit Symbol	g/mt	g/mt	g/mt	g/mt	g	g	g	ppb	g/tonne
Lower Limit	0.03	0.03	0.03	0.03				5	0.03
Method Code	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-AA	FA-GRA
OREAS 229b (Fire Assay) Meas				12.0					12.1
OREAS 229b (Fire Assay) Cert				11.9					11.9
Oreas 237 (Fire Assay) Meas								2200	
Oreas 237 (Fire Assay) Cert								2210	
Oreas 237 (Fire Assay) Meas								2280	
Oreas 237 (Fire Assay) Cert								2210	
OREAS 257b (Fire Assay) Meas				14.1					14.4
OREAS 257b (Fire Assay) Cert				14.2					14.2
Oreas E1336 (Fire Assay) Meas								514	
Oreas E1336 (Fire Assay) Cert								510	
Oreas E1336 (Fire Assay) Meas								520	
Oreas E1336 (Fire Assay) Cert								510	
DL21-015-002 Orig	343	1.82	1.83	6.96	12.40	811.60	824.00		
Method Blank								< 5	
Method Blank								< 5	
Method Blank				< 0.03					
Method Blank									< 0.03

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-11434**
Report Date: **13-Jul-21**
Date Submitted: **21-Jun-21**
Your Reference:

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

44 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-07-07 10:06:01
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-07-08 14:45:29
1A4 (100mesh)-Tbay	QOP AA-Au (Au-Fire Assay-Metallic Screen-500g)	2021-07-13 15:17:15

REPORT **A21-11434**

Notes:

A representative 500 gram split is seived at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

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

SCC Accredited LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
DL21-016-001	1730	1.38							
DL21-016-002	12								
DL21-016-003	13								
DL21-016-004	7								
DL21-016-005	31								
DL21-016-006	7								
DL21-016-007	29								
DL21-016-008	1270	1.33							
DL21-016-009	21								
DL21-016-010	10								
DL21-016-011	8								
DL21-016-012	59								
DL21-016-013	154								
DL21-016-014	516								
DL21-016-015	83								
DL21-016-016	385								
DL21-016-017	315								
DL21-016-018	248								
DL21-016-019	< 5								
DL21-016-020	686								
DL21-016-021	1770	1.43							
DL21-016-022	454								
DL21-016-023	2150	2.28							
DL21-016-024	244								
DL21-016-025	86								
DL21-016-026	524								
DL21-016-027	66								
DL21-016-028	51								
DL21-016-029	3170	2.84							
DL21-016-030	1410	1.15							
DL21-016-031	> 5000	9.77	11.7	7.52	7.24	7.49	23.95	985.63	1009.6
DL21-016-032	3100	3.77							
DL21-016-033	55								
DL21-016-034	305								
DL21-016-035	3850	3.32							
DL21-016-036	102								
DL21-016-037	15								
DL21-016-038	14								
DL21-016-039	> 5000	5.04	39.6	4.28	3.81	4.88	24.18	1008.3	1032.5
DL21-016-040	< 5								
DL21-016-041	1360	1.47							
DL21-016-042	1390	1.06							
DL21-016-043	84								
DL21-016-044	42								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OREAS 229b (Fire Assay) Meas		12.0				11.5			
OREAS 229b (Fire Assay) Cert		11.9				11.9			
OREAS 229b (Fire Assay) Meas		12.0							
OREAS 229b (Fire Assay) Cert		11.9							
Oreas 237 (Fire Assay) Meas	2240								
Oreas 237 (Fire Assay) Cert	2210								
Oreas 237 (Fire Assay) Meas	2270								
Oreas 237 (Fire Assay) Cert	2210								
Oreas 237 (Fire Assay) Meas	2240								
Oreas 237 (Fire Assay) Cert	2210								
OREAS 257b (Fire Assay) Meas		14.3							
OREAS 257b (Fire Assay) Cert		14.2							
OREAS 257b (Fire Assay) Meas		14.4							
OREAS 257b (Fire Assay) Cert		14.2							
Oreas E1336 (Fire Assay) Meas	520								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	507								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	520								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	522								
Oreas E1336 (Fire Assay) Cert	510								
DL21-016-001 Orig		1.49							
DL21-016-001 Dup		1.28							
DL21-016-009 Orig	22								
DL21-016-009 Dup	20								
DL21-016-020 Orig	687								
DL21-016-020	685								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Dup									
DL21-016-023 Orig	2220								
DL21-016-023 Dup	2090								
DL21-016-031 Orig			11.7	7.52	7.24	7.49	23.95	985.63	1009.6
DL21-016-039 Orig			39.6	4.28	3.81	4.88	24.18	1008.3	1032.5
DL21-016-044 Orig	42								
DL21-016-044 Split PREP DUP	46								
DL21-016-044 Orig	39								
DL21-016-044 Dup	44								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank		< 0.03							
Method Blank	5								
Method Blank		< 0.03							
Method Blank						< 0.03			
Method Blank	< 5								

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-11747**
Report Date: **28-Jul-21**
Date Submitted: **24-Jun-21**
Your Reference: **Dona**

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

ATTN: Mike MacIsaac (Inv)

CERTIFICATE OF ANALYSIS

84 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-07-16 15:05:49

REPORT **A21-11747**

Notes:

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

SCC Accredited LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
DL21-017-001	< 5								
DL21-017-002	< 5								
DL21-017-003	< 5								
DL21-017-004	199								
DL21-017-005	326								
DL21-017-006	< 5								
DL21-017-007	10								
DL21-017-008	< 5								
DL21-017-009	< 5								
DL21-017-010	7								
DL21-017-011	20								
DL21-017-012	56								
DL21-017-013	< 5								
DL21-017-014	23								
DL21-017-015	21								
DL21-017-016	44								
DL21-017-017	14								
DL21-017-018	5								
DL21-017-019	6								
DL21-017-020	25								
DL21-017-021	24								
DL21-017-022	< 5								
DL21-017-023	12								
DL21-017-024	930								
DL21-017-025	64								
DL21-017-026	28								
DL21-017-027	419								
DL21-017-028	480								
DL21-017-029	4150	4.85							
DL21-017-030	178								
DL21-017-031	60								
DL21-017-032	5								
DL21-017-033	377								
DL21-017-034	370								
DL21-017-035	397								
DL21-017-036	274								
DL21-017-037	< 5								
DL21-017-038	> 5000	5.73	17.3	2.31	2.18	2.75	16.59	476.42	493.01
DL21-017-039	120								
DL21-017-040	1740	1.40							
DL21-017-041	> 5000	8.18	14.2	6.09	5.47	6.14	20.84	473.26	494.10
DL21-017-042	1690	1.38							
DL21-017-043	825								
DL21-017-044	1610	1.85							
DL21-017-045	346								
DL21-017-046	1550	1.89							
DL21-017-047	1440	1.28							
DL21-017-048	2610	2.75							

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
DL21-017-049	764								
DL21-017-050	8								
DL21-017-051	394								
DL21-017-052	3590	3.45							
DL21-017-053	1700	1.82							
DL21-017-054	1440	1.44							
DL21-017-055	12								
DL21-017-056	5								
DL21-017-057	231								
DL21-017-058	28								
DL21-017-059	1460	1.50							
DL21-017-060	22								
DL21-017-061	21								
DL21-017-062	113								
DL21-017-063	26								
DL21-017-064	28								
DL21-017-065	37								
DL21-017-066	49								
DL21-017-067	10								
DL21-017-068	14								
DL21-017-069	11								
DL21-017-070	43								
DL21-017-071	60								
DL21-017-072	< 5								
DL21-017-073	54								
DL21-017-074	57								
DL21-017-075	53								
DL21-017-076	82								
DL21-017-077	19								
DL21-017-078	129								
DL21-017-079	11								
DL21-017-080	94								
DL21-017-081	88								
DL21-017-082	21								
DL21-017-083	9								
DL21-017-084	< 5								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
OREAS 229b (Fire Assay) Meas		11.8				11.7			
OREAS 229b (Fire Assay) Cert		11.9				11.9			
OREAS 229b (Fire Assay) Meas		11.9							
OREAS 229b (Fire Assay) Cert		11.9							
Oreas 237 (Fire Assay) Meas	2300								
Oreas 237 (Fire Assay) Cert	2210								
Oreas 237 (Fire Assay) Meas	2250								
Oreas 237 (Fire Assay) Cert	2210								
Oreas 237 (Fire Assay) Meas	2290								
Oreas 237 (Fire Assay) Cert	2210								
Oreas 237 (Fire Assay) Meas	2290								
Oreas 237 (Fire Assay) Cert	2210								
OREAS 257b (Fire Assay) Meas		14.4				14.1			
OREAS 257b (Fire Assay) Cert		14.2				14.2			
Oreas E1336 (Fire Assay) Meas	526								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	529								
Oreas E1336 (Fire Assay) Cert	510								
Oreas E1336 (Fire Assay) Meas	530								
Oreas E1336 (Fire Assay) Cert	510								
DL21-017-009 Orig	< 5								
DL21-017-009 Dup	10								
DL21-017-019 Orig	6								
DL21-017-019 Dup	6								
DL21-017-023 Orig	13								
DL21-017-023 Dup	10								
DL21-017-038 Orig			17.3	2.31	2.18	2.75	16.59	476.42	493.01
DL21-017-041			14.2	6.09	5.47	6.14	20.84	473.26	494.10

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA-GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
Orig									
DL21-017-044 Orig	1570								
DL21-017-044 Dup	1660								
DL21-017-051 Orig	394								
DL21-017-051 Split PREP DUP	469								
DL21-017-053 Orig	1680								
DL21-017-053 Dup	1730								
DL21-017-057 Orig	272								
DL21-017-057 Dup	189								
DL21-017-078 Orig	144								
DL21-017-078 Dup	113								
DL21-017-084 Orig	< 5								
DL21-017-084 Split PREP DUP	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank		< 0.03							
Method Blank		< 0.03							
Method Blank	< 5								
Method Blank	< 5								
Method Blank						< 0.03			
Method Blank						< 0.03			
Method Blank		< 0.03							

AGAT Laboratories

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CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
http://www.agatlabs.com

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

ATTENTION TO: MICHAEL MACISAAC

PROJECT: Check Samples

AGAT WORK ORDER: 20B634560

SOLID ANALYSIS REVIEWED BY: Siamak Agahzamin, Lab Technician

DATE REPORTED: Aug 10, 2020

PAGES (INCLUDING COVER): 5

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

*NOTES

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

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Certificate of Analysis

AGAT WORK ORDER: 20B634560

PROJECT: Check Samples

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-051) Fire Assay - Trace Au, AAS finish (30g charge) (ppm)

DATE SAMPLED: Aug 06, 2020 | DATE RECEIVED: Aug 06, 2020 | DATE REPORTED: Aug 10, 2020 | SAMPLE TYPE: Other

Analyte:	Au
Unit:	ppm
Sample ID (AGAT ID) RDL:	0.002
A20-08500-11 (1331098)	0.097
A20-08501-5 (1331099)	0.005
A20-08501-015 (1331100)	0.294
A20-08501-25 (1331101)	1.47
A20-08501-35 (1331102)	0.005
A20-08615-5 (1331103)	0.045
A20-08615-15 (1331104)	0.047
A20-08615-25 (1331105)	0.190
A20-08615-35 (1331106)	0.492
A20-08615-45 (1331107)	0.024

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Certified By: Aghazamin

AGAT Laboratories

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Quality Assurance - Replicate

AGAT WORK ORDER: 20B634560

PROJECT: Check Samples

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

Parameter																

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 20B634560

PROJECT: Check Samples

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-051) Fire Assay - Trace Au, AAS finish (30g charge) (ppm)

	CRM #1 (GS2T)				CRM #2 (GS7H)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Au	1.75	1.75	100%	90% - 110%	6.56	6.10	93%	90% - 110%								

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Method Summary

CLIENT NAME: METALS CREEK RESOURCES

AGAT WORK ORDER: 20B634560

PROJECT: Check Samples

ATTENTION TO: MICHAEL MACISAAC

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Au	MIN-12019	BUGBEE, E: A Textbook of Fire Assaying	AA

AGAT Laboratories

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http://www.agatlabs.com

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

ATTENTION TO: MICHAEL MACISAAC

PROJECT:

AGAT WORK ORDER: 20B636547

SOLID ANALYSIS REVIEWED BY: Siamak Agahzamin, Lab Technician

DATE REPORTED: Aug 15, 2020

PAGES (INCLUDING COVER): 5

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

*NOTES

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

AGAT Laboratories

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FAX (905)501-0589
http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 20B636547

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-051) Fire Assay - Trace Au, AAS finish (30g charge) (ppm)

DATE SAMPLED: Aug 11, 2020 | DATE RECEIVED: Aug 12, 2020 | DATE REPORTED: Aug 15, 2020 | SAMPLE TYPE: Rock

Analyte:	Au
Unit:	ppm
Sample ID (AGAT ID) RDL:	0.002
A20-08873-5 (1345474)	0.021
A20-08873-15 (1345475)	0.004
A20-08873-25 (1345476)	0.005
A20-08873-35 (1345477)	0.639
A20-08873-45 (1345478)	5.69
A20-08873-55 (1345479)	<0.002
A20-08873-65 (1345480)	0.036
A20-08873-75 (1345481)	<0.002
A20-08873-85 (1345482)	0.008

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Certified By: Aghazamin

AGAT Laboratories

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MISSISSAUGA, ONTARIO
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http://www.agatlabs.com

Quality Assurance - Replicate

AGAT WORK ORDER: 20B636547

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

Parameter																

AGAT Laboratories

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 20B636547

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-051) Fire Assay - Trace Au, AAS finish (30g charge) (ppm)

	CRM #1 (GS2T)				CRM #2 (GS7H)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Au	1.75	1.71	98%	90% - 110%	6.56	6.48	99%	90% - 110%								

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Method Summary

CLIENT NAME: METALS CREEK RESOURCES

AGAT WORK ORDER: 20B636547

PROJECT:

ATTENTION TO: MICHAEL MACISAAC

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Au	MIN-12019	BUGBEE, E: A Textbook of Fire Assaying	AA

AGAT Laboratories

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

ATTENTION TO: MICHAEL MACISAAC

PROJECT:

AGAT WORK ORDER: 21T700225

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Feb 05, 2021

PAGES (INCLUDING COVER): 7

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

*NOTES

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

AGAT Laboratories

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FAX (905)501-0589
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Certificate of Analysis

AGAT WORK ORDER: 21T700225

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-051) Fire Assay - Trace Au, AAS finish (ppm)

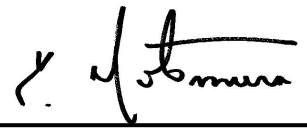
DATE SAMPLED: Jan 14, 2021 | DATE RECEIVED: Jan 15, 2021 | DATE REPORTED: Feb 05, 2021 | SAMPLE TYPE: Other

Analyte:	Au
Unit:	ppm
Sample ID (AGAT ID) RDL:	0.002
DL20-004-005 (1958677)	0.024
DL20-004-015 (1958678)	0.003
DL20-004-025 (1958679)	0.008
DL20-004-035 (1958680)	0.013
DL20-004-045 (1958681)	0.015
DL20-004-055 (1958682)	0.330
DL20-004-065 (1958683)	0.122
DL20-004-075 (1958684)	0.115
DL20-004-085 (1958685)	4.03

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:



AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 21T700225

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-064) Fire Assay - Au Ore Grade, Gravimetric finish

DATE SAMPLED: Jan 14, 2021 | DATE RECEIVED: Jan 15, 2021 | DATE REPORTED: Feb 05, 2021 | SAMPLE TYPE: Other

Analyte:	Au-Grav
Unit:	ppm
Sample ID (AGAT ID) RDL:	0.5
DL20-004-085 (1958685)	3.41

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

AGAT Laboratories

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http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 21T700225

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

Sieving - % Passing (Pulverizing)

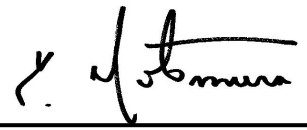
DATE SAMPLED: Jan 14, 2021 | DATE RECEIVED: Jan 15, 2021 | DATE REPORTED: Feb 05, 2021 | SAMPLE TYPE: Other

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
DL20-004-005 (1958677)	88.16

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:



AGAT Laboratories

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T700225

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-051) Fire Assay - Trace Au, AAS finish (ppm)

	REPLICATE #1															
Parameter	Sample ID	Original	Replicate	RPD												
Au	1958677	0.024	0.015													

(202-064) Fire Assay - Au Ore Grade, Gravimetric finish

	REPLICATE #1															
Parameter	Sample ID	Original	Replicate	RPD												
Au-Grav	1958685	3.41	5.70													

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T700225

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-051) Fire Assay - Trace Au, AAS finish (ppm)

	CRM #1 (ref.GSP6D)															
Parameter	Expect	Actual	Recovery	Limits												
Au	0.769	0.79	103%	90% - 110%												

(202-064) Fire Assay - Au Ore Grade, Gravimetric finish

	CRM #1															
Parameter	Expect	Actual	Recovery	Limits												
Au-Grav	13.28	13.1	98%	90% - 110%												

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Method Summary

CLIENT NAME: METALS CREEK RESOURCES

AGAT WORK ORDER: 21T700225

PROJECT:

ATTENTION TO: MICHAEL MACISAAC

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Au	MIN-12019	Fletcher, WK: Handbook of Exploration Geochem	AA
Au-Grav	MIN-12004	BUGBEE, E: A Textbook of Fire Assaying	BALANCE
Pass %			BALANCE

AGAT Laboratories

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

ATTENTION TO: MICHAEL MACISAAC

PROJECT: A20-15727

AGAT WORK ORDER: 20B689083

SOLID ANALYSIS REVIEWED BY: Siamak Agahzamin, Lab Technician

DATE REPORTED: Dec 13, 2020

PAGES (INCLUDING COVER): 7

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

*NOTES

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

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Certificate of Analysis

AGAT WORK ORDER: 20B689083

PROJECT: A20-15727

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-052) Fire Assay - Trace Au, ICP-OES finish (30g charge) (ppm)

DATE SAMPLED: Dec 10, 2020 | DATE RECEIVED: Dec 09, 2020 | DATE REPORTED: Dec 13, 2020 | SAMPLE TYPE: Rock

Analyte:	Au
Unit:	ppm
Sample ID (AGAT ID) RDL:	0.001
DL20-006-005 (1811955)	0.041
DL20-006-015 (1811956)	5.45
DL20-006-025 (1811957)	0.017
DL20-006-036 (1811958)	0.038
DL20-006-045 (1811959)	>10.0

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 20B689083

PROJECT: A20-15727

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-064) Fire Assay - Au Ore Grade, Gravimetric finish

DATE SAMPLED: Dec 10, 2020 | DATE RECEIVED: Dec 09, 2020 | DATE REPORTED: Dec 13, 2020 | SAMPLE TYPE: Rock

Analyte:	Au-Grav
Unit:	ppm
Sample ID (AGAT ID) RDL:	0.5
DL20-006-015 (1811956)	6.1
DL20-006-045 (1811959)	12.5

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Certified By: Aghazamin

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Certificate of Analysis

AGAT WORK ORDER: 20B689083

PROJECT: A20-15727

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Dec 10, 2020 | DATE RECEIVED: Dec 09, 2020 | DATE REPORTED: Dec 13, 2020 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
DL20-006-005 (1811955)	93

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 1046 Gorham St, Thunder Bay, ON (unless marked by *)

Certified By: Aghazamin

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Quality Assurance - Replicate

AGAT WORK ORDER: 20B689083

PROJECT: A20-15727

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

Parameter																

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 20B689083

PROJECT: A20-15727

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-052) Fire Assay - Trace Au, ICP-OES finish (30g charge) (ppm)

	CRM #1 (GS2T)															
Parameter	Expect	Actual	Recovery	Limits												
Au	1.75	1.75	100%	90% - 110%												

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Method Summary

CLIENT NAME: METALS CREEK RESOURCES

AGAT WORK ORDER: 20B689083

PROJECT: A20-15727

ATTENTION TO: MICHAEL MACISAAC

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Au	MW-200-12006	BUGBEE, E;A Textbook of Fire Assay	ICP/OES
Au-Grav	MIN-12004	BUGBEE, E: A Textbook of Fire Assaying	GRAVIMETRIC
Pass %			BALANCE

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

ATTENTION TO: MICHAEL MACISAAC

PROJECT:

AGAT WORK ORDER: 21T711949

SOLID ANALYSIS REVIEWED BY: Jing Xiao, Data Reviewer

DATE REPORTED: Apr 21, 2021

PAGES (INCLUDING COVER): 6

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

*NOTES

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

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Certificate of Analysis

AGAT WORK ORDER: 21T711949

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-051) Fire Assay - Trace Au, AAS finish (ppm)

DATE SAMPLED: Feb 17, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 21, 2021 | SAMPLE TYPE: Other

Analyte:	Au
Unit:	ppm
Sample ID (AGAT ID) RDL:	0.002
DL21-07-05 (2112275)	0.011
DL21-07-15 (2112276)	0.031
DL21-07-25 (2112277)	4.43
DL21-07-35 (2112278)	1.45
DL21-07-46 (2112279)	2.03
DL21-07-55 (2112280)	0.202
DL21-07-65 (2112281)	0.561
DL21-07-75 (2112282)	0.066
DL21-07-85 (2112283)	0.563
DL21-07-95 (2112284)	0.012

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T711949

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Feb 17, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 21, 2021 | SAMPLE TYPE: Other

	Analyte:	Pass %
	Unit:	%
Sample ID (AGAT ID)	RDL:	0.01
DL21-07-05 (2112275)		88.45

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T711949

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-051) Fire Assay - Trace Au, AAS finish (ppm)

	REPLICATE #1															
Parameter	Sample ID	Original	Replicate	RPD												
Au	2112276	0.031	0.074													

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T711949

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: MICHAEL MACISAAC

(202-051) Fire Assay - Trace Au, AAS finish (ppm)

	CRM #1 (ref.1P5T)															
Parameter	Expect	Actual	Recovery	Limits												
Au	1.75	1.64	94%	90% - 110%												

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Method Summary

CLIENT NAME: METALS CREEK RESOURCES

AGAT WORK ORDER: 21T711949

PROJECT:

ATTENTION TO: MICHAEL MACISAAC

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Au	MIN-12019	Fletcher, WK: Handbook of Exploration Geochem	AA
Pass %			BALANCE