We are committed to providing accessible customer service.
If you need accessible formats or communications supports, please contact us.

Nous tenons à améliorer l’accessibilité des services à la clientèle.
Si vous avez besoin de formats accessibles ou d’aide à la communication, veuillez nous contacter.

Goldcorp Canada Ltd.
North Caribou Greenstone Belt Project
2018 Assessment report

2018 Arseno Lake Field Work
2018 Opapimiskan Lake Field Work
2018 North Caribou Greenstone Belt Generative Exploration

David Murray, P.Geo
Kristy Beal, P.Geo

Table of Contents

Introduction

This report summarizes helicopter supported generative exploration work conducted on behalf of Goldcorp Canada Ltd. in three project areas within a contiguous land package throughout the North Caribou Greenstone Belt, North and Northwest of Musselwhite Mine. All the work detailed in this report was conducted in the year of 2018 and includes claim staking, research and data compilation, lithogeochemical sampling and grassroots prospecting, as well as a biogeochemical orientation survey. The work was undertaken by staff geologists and other support and technical staff employed by Goldcorp Canada Ltd. with operational support and technical services commissioned from third party specialists and contractor groups.

Summary

Arseno Lake

2018 field work on Goldcorp Canada ltd.'s Arseno Lake Claims, Northwest of Musselwhite Mine, was conducted over 5 cumulative days through the summer of 2018. Dominantly the work consisted of grassroots style prospecting with some outcrop mapping. Samples of all outcropping bedrock encountered were submitted to Activation laboratories in Dryden Ontario for whole rock analysis by 4-acid ICP-MS as well as analysis for gold by fire assay. Field activities were helicopter supported with crew transportation provided by Wisk Air Helicopters Ltd. of Thunder Bay Ontario. Field crews consisted of two individuals, one geologist and one field assistant.

Opapimiskan Lake

2018 field work on Goldcorp Canada ltd.'s Opapimiskan Lake claim area was conducted over 6 cumulative days through the summer of 2018. The work consisted of grassroots style prospecting and lithogeochemical sampling. Samples of all outcropping bedrock encountered were submitted to Activation laboratories in Dryden Ontario for whole rock analysis by 4-acid ICP-MS as well as analysis for gold by fire assay. Field activities were helicopter supported with crew transportation provided by Wisk Air Helicopters Ltd. of Thunder Bay Ontario. Field crews consisted of two individuals, one geologist and one field assistant.

North Caribou Greenstone Belt

To determine priorities for claim staking as well as plan exploration programs in anticipation of the expanded land position a large research and compilation project was undertaken through the winter and spring of 2018. This work was conducted by two professional geoscientists employed by Goldcorp Canada Ltd. at Musselwhite Mine, Stephen Miller and David Murray. The work involved gathering all geological and historical information available for the land encompassed in the newly acquired exploration claims. Support for more technically challenging work such as geophysical compilation and interpretation was provided by Goldcorp's directors of geophysics, and generative exploration Sergio Espinosa and Sally Goodman, respectively.

2018 exploration field work dominantly consisted of grassroots style prospecting with lithogeochemical sampling. Samples of bedrock were collected and sent to Activation Laboratories in Dryden, Ontario for whole rock analysis by 4-Acid ICP-MS and analysis for Au by Fire Assay. Field activities were helicopter supported with crew transportation provided by Wisk Air Helicopters Ltd. of Thunder Bay Ontario. Field crews consisted of two individuals, one geologist and one field assistant.

Additionally, a biogeochemical orientation survey was conducted over an area of historical Au in bedrock mineralization. Samples of labrador tea stems were collected proximal to the bedrock mineralization with the objective of determining if biogeochemical sampling of labrador tea could be an effective exploration tool in the North Caribou Greenstone Belt. As the survey failed to register the know bedrock anomaly it has been deemed unsuccessful and not viable as a tool for future regional exploration.
.

Regional Geology

The North Caribou greenstone belt (NCGB) is located on the northern edge of the North Caribou terrane, south of the Island Lake domain. It comprises various volcanic-dominated assemblages formed during two major magmatic phases dated at ca. 2980 and ca. 2870 Ma. Sedimentary-dominated assemblages lie in the core of the NCGB. They are interpreted to have been deposited after 2980 Ma in the northern NCGB, and after 2850 Ma in the southeastern NCGB. The greenstones are intruded by several batholiths emplaced during the two magmatic phases at ca. 2870-2850 Ma and ca. 2750-2690 Ma (Oswald, 2018 and all references therein)

The envelope of the main structural fabric and fold structures is roughly parallel to the contact of the narrow, elongate, two-arc shape of the North Caribou belt. Three major phases of ductile to brittle-ductile deformation have been documented (D1, D2, D3), in addition to minor late structures related to brittle deformation (“D4”). Several regional fault zones separate lithostratigraphic assemblages. The dominant regional structural pattern and main tectonometamorphic phase is related to D2 (Oswald, 2018 and references therein). The rocks of the North Caribou Greenstone Belt were metamorphosed to amphibolite facies around 2660 Ma (Oswald, 2018 and all references therein)

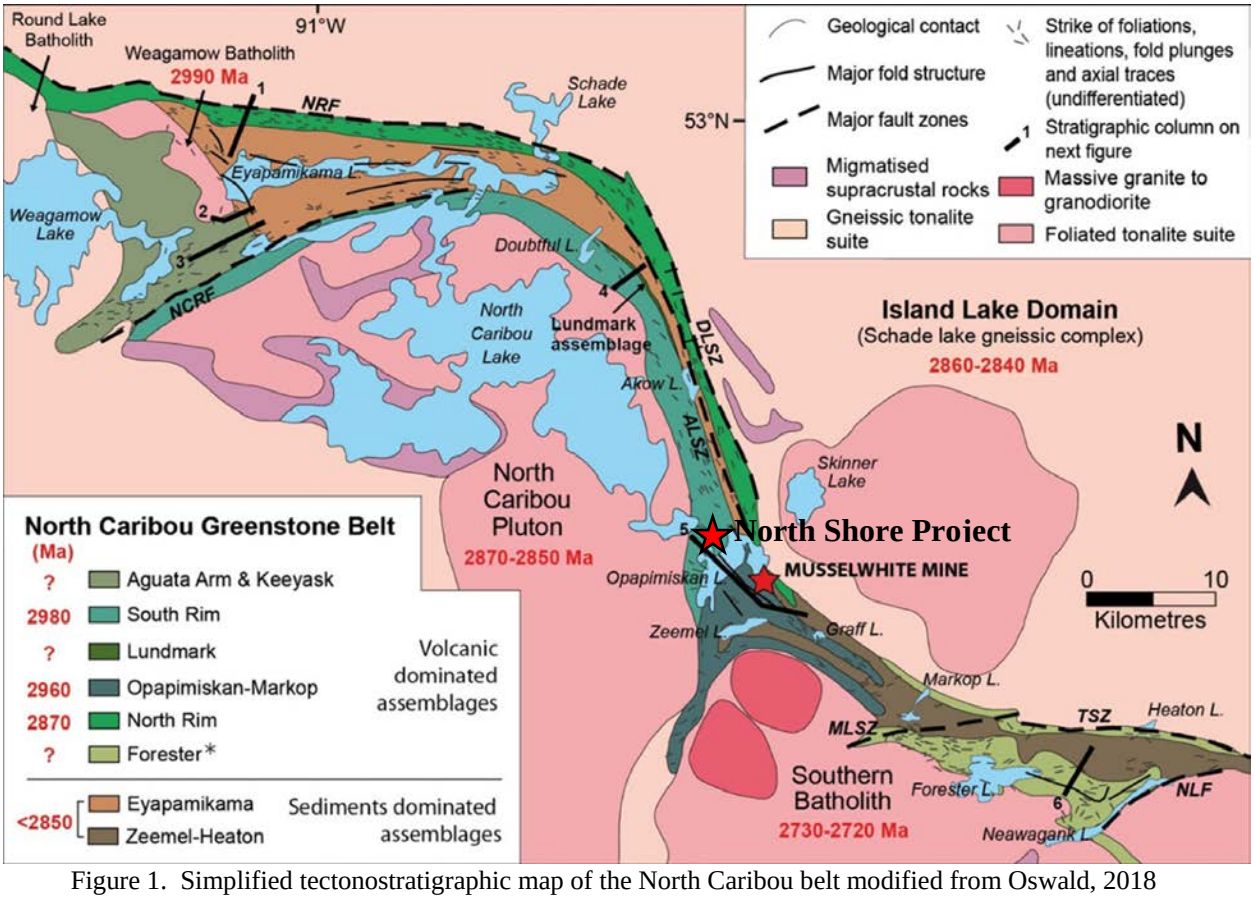


Figure 1. Simplified tectonostratigraphic map of the North Caribou belt modified from Oswald, 2018

Arseno Lake

Location and Access

Goldcorp's Arseno Lake claims are in the District of Kenora, Northwest Ontario. Approximately 15 km East-Northeast of Weagamow First Nation, 175 km North of the town of Pickle Lake.

Access is available through chartered air service with a helicopter or float equipped airplane. A 4 four-Season road extends North to the First Nation community of Weagamow Lake. Additionally, regularly scheduled air service to the town of Weagamow lake is available from the city of Thunder Bay and other smaller communities in the region.

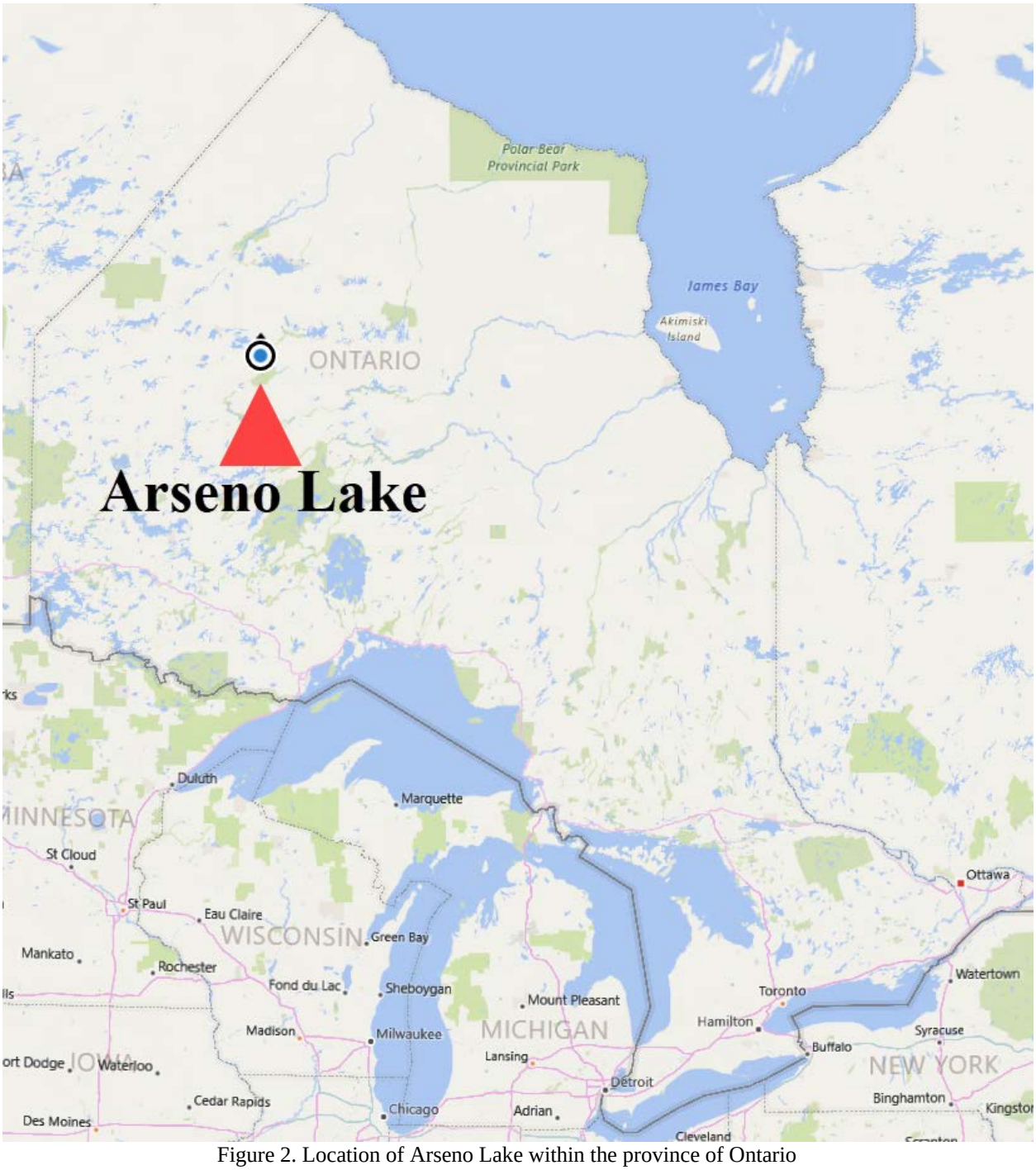


Figure 2. Location of Arseno Lake within the province of Ontario

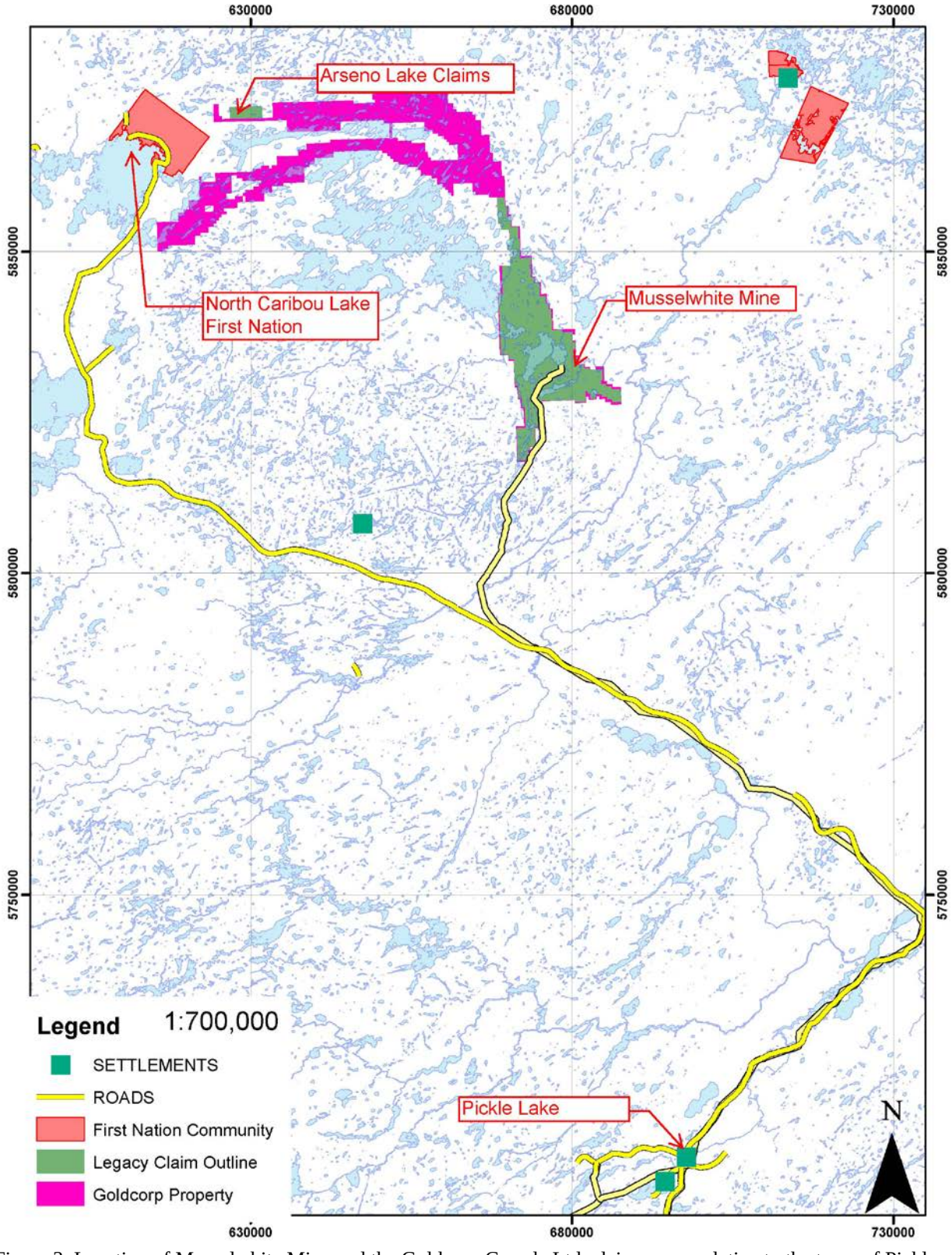


Figure 3. Location of Musselwhite Mine and the Goldcorp Canada Ltd. claim group relative to the town of Pickle Lake, Ontario and compared to former land holdings

History and Previous Work

1984 - A large Ontario Geological Survey (OGS) crew mapped the area from Agutua Arm to the eastern end of Eyapamikama Lake. Dunlop Explorations, under contract to the Ontario Gold Joint Venture, turned up many new and old gold showings in the area through reconnaissance prospecting and carried out the first staking at the properties.

1985 - Work by Northern Dynasty on behalf of Ontario Gold Joint Venture included geological mapping, rock and soil sampling, geophysical surveys, minor trenching and drilling of three holes (C-85-1 to -3) on the Caster Lake grid, East of Arseno Lake claims.

1986 - Exploration by Northern Dynasty, on behalf of Ontario Gold Joint Venture included rock and soil sampling as well as geophysical surveys which further delineated the surface showings and magnetic anomalies which produce the initial diamond drill targets.

1987 - Northern Dynasty, on behalf of Ontario Gold Joint Venture completed field exploration activities including rock and soil sampling, geophysical surveys, and diamond drilling. Geochemical and geophysical surveys were carried out and 1:5,000 scale mapping was conducted. Significant mineralization was

1988 - Diamond drilling at Arseno Lake and Lucy Lake grids. There was further delineation of the massive sulphide mineralization and a drill indicated mineral inventory of 0.92 Mt at 8.7% Zn+Pb and 1.5 oz./t Ag was delineated.

1995 - The property was subject to a Letter Agreement between Inco Ltd., and Energold & Northern Dynasty, dated December 12, 1994. However, Inco was unable to conduct exploration at Arseno Lake, as a Force Majeure was declared on the property on October 12, 1995.

1997- Geological compilation of 1985 and 1996 exploration work including surface geology mapping, trenching and diamond drilling, and geochemical and geophysical surveys conducted primarily on the Arseno Lake/Lucy Lake grid, in the western portion of the property (between 1984 and 1988). The Castor Lake area was included as part of the Arseno Lake property at this time. Ownership was Energold Minerals Inc. (62.5 %), and Northern Dynasty Ltd. (37.5%).

2000 - Northern Dynasty Minerals Ltd. carried out a review of geoscientific data on earlier drilling and completed diamond drill core lithogeochemical analysis of 21 samples in three 3 drill holes from the property

2002 - Northern Dynasty Minerals Ltd. (R. Tremblay) continued its lithogeochemical evaluation of the drill core

2003 - Starting in 2000, Placer Dome Canada conducted a geological compilation, airborne magnetic survey, claim staking, and regional multi-element lake sediment (R. Dyer, OGS) surveys in the northern portion of the North Caribou greenstone belt to evaluate gold potential in the area. The larger area of their coverage includes the Arseno Lake property.

2004 - Northern Dynasty Minerals Ltd. carried out whole rock and multi-element lithogeochemistry on mineralized outcrops

2006 - Northern Dynasty Minerals Ltd. / Energold Minerals Inc. / Solomon Resources Ltd. completed a HLEM survey over the central portion of the 32 claim Arseno Lake

2010 Northern Dynasty Minerals Ltd. conducted a 166-line km helicopter-borne vertical time domain electromagnetic (VTEM) survey. The work was completed by Geotech Ltd.

Physiography and Vegetation

The area bordering Eyapamikima Lake is characterized by low-lying muskeg and boulder till. Further to the north, an east-west mafic volcanic ridge is present with local rolling relief up to approximately 120 m. Bedrock exposure is poor to moderate in many of the low-lying areas. Glacial striae and drumlins are consistently oriented at about 225° azimuth throughout the Greenstone belt. The frequent glaciofluvial land forms are typically vegetated by well spaces jackpine. Low lying regions and muskeg are densely forested by black spruce with a thick undergrowth of labrador tea and forest floor covered with thick moss.

Local Geology

The Arseno Lake Mineralized trend is located within the North Rim Metavolcanic Assemblage. The North Rim assemblage occurs along the northern edge of the upper and central NCGB, from Weagamow Lake to Opapimiskan Lake (Figure 1). It is dominantly composed of pillowed to massive mafic volcanic flows with intercalated horizon of clastic and chemical metasedimentary rocks. The northern margin of the North Rim Assemblage is interpreted to represent an unconformable suture between the North Caribou Terrane and the Island Lake domain

There is a historical VMS style resource 8.7% combined Pb, Zn with 49g/t Ag interpreted to reside in a chemical metasedimentary horizon of siliceous iron formation. It has been well documented throughout history that the numerous historical mineral occurrences within the North Rim Assemblage occur along a 700m wide zone of ductile deformation historically and henceforth referred to as the “Active Zone” A.KA. the North Rim Fault. The active zone occurs throughout the lower middle of the North Rim Assemblage over a strike documented strike length of approximately 30km and encompasses the siliceous iron formation hosting the historical resource.

Figure 4 below depicts a detailed cross section of the geology across the North Rim Assemblage through the Arseno Lake claims as interpreted from historical work within the property.

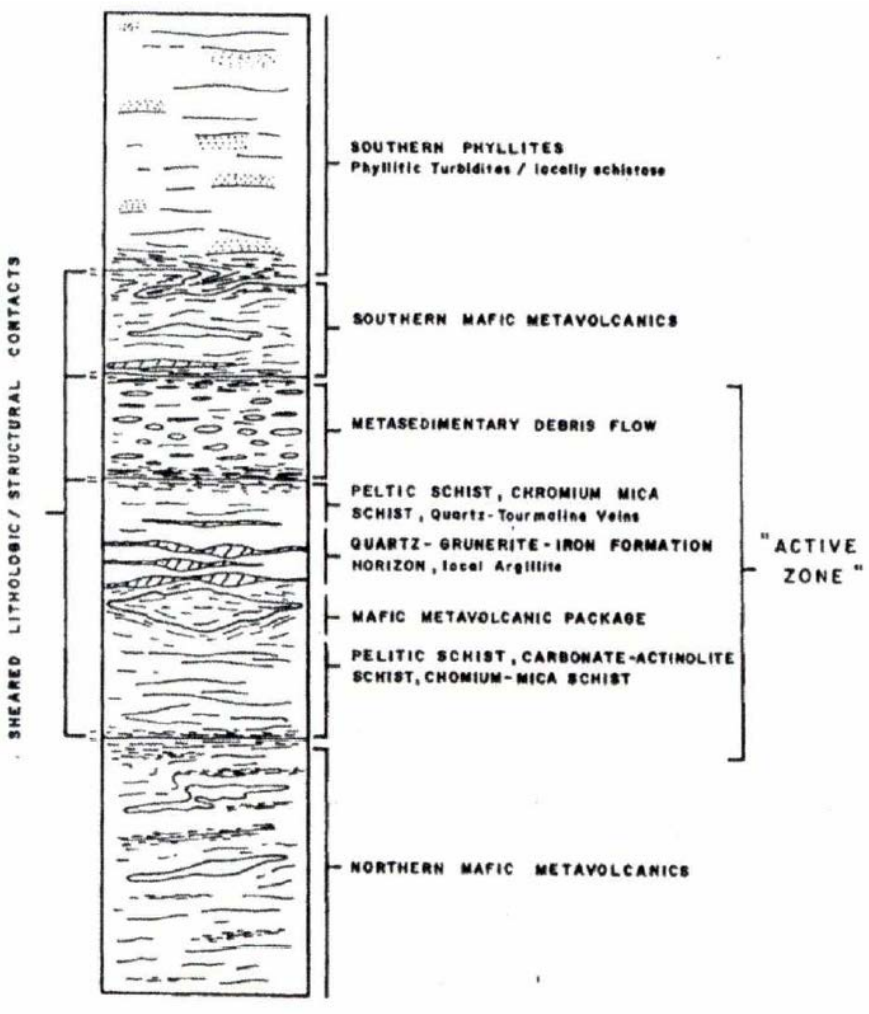


Figure 4. detailed cross section of the geology of the North Rim Assemblage through the Arseno Lake Claims

Table of claims

Table 1. Table of claims within Goldcorp Canada Ltd.'s Arseno Lake group on which field work was conducted

Tenure Number	Claim Type	Claim Status	Date Issued	Date Due	Holder
118270	Single Cell Mining Claim	Active	2018-04-10	2020-11-03	GOLDCORP CANADA LTD.
118276	Single Cell Mining Claim	Active	2018-04-10	2020-11-03	GOLDCORP CANADA LTD.
125842	Single Cell Mining Claim	Active	2018-04-10	2020-11-03	GOLDCORP CANADA LTD.
170965	Single Cell Mining Claim	Active	2018-04-10	2020-11-03	GOLDCORP CANADA LTD.
227092	Single Cell Mining Claim	Active	2018-04-10	2020-11-03	GOLDCORP CANADA LTD.
266333	Single Cell Mining Claim	Active	2018-04-10	2020-11-03	GOLDCORP CANADA LTD.
274307	Single Cell Mining Claim	Active	2018-04-10	2020-11-03	GOLDCORP CANADA LTD.
274311	Single Cell Mining Claim	Active	2018-04-10	2020-11-03	GOLDCORP CANADA LTD.
274313	Single Cell Mining Claim	Active	2018-04-10	2020-11-03	GOLDCORP CANADA LTD.
286424	Single Cell Mining Claim	Active	2018-04-10	2020-11-03	GOLDCORP CANADA LTD.
322936	Single Cell Mining Claim	Active	2018-04-10	2020-11-03	GOLDCORP CANADA LTD.
322939	Single Cell Mining Claim	Active	2018-04-10	2020-11-03	GOLDCORP CANADA LTD.

Description of the Program

2018 field work on Goldcorp Canada ltd.'s Arseno Lake Claims, Northwest of Musselwhite Mine, was conducted over 5 cumulative days through the summer of 2018 between June 9, 2018 and Sept. 11, 2018. The work consisted of helicopter supported, grassroots style prospecting and lithogeochemical sampling. Helicopter transportation services were commissioned from Wisk Air Helicopters of Thunder Bay, Ontario. The planning of prospecting traverses considered the following objectives; Locate and asses the condition of historical drill core, traverse the stratigraphic column, locate the discovery outcrop, and traverse the mineralized trend.

Samples of all outcropping bedrock encountered were collected and submitted to Activation laboratories in Dryden Ontario for whole rock analysis by 4-acid ICP-MS as well as analysis for gold by fire assay. The work was planned and conducted by geologists and geotechnical staff from Goldcorp Canada Ltd.'s Musselwhite Mine. Field crews consisted of two individuals, one geologist (either D. Murray or S. Miller) and one field assistant (various).

Samples were collected with conventional geological rock and sledge hammers. Typical garden shovels were often used to uncover or expand the exposure of outcropping bedrocks a total of 21 bedrock samples were collected or analysis. Field data was collected on Apple iPad mini devices using custom form built in the Esri Survey 123 application.

Locations where significant results were obtained or where significant observations were made were followed up with a final field review by Musselwhite Geologists and Technical Experts from Goldcorp's corporate geology team.

Results

Table 1 below details the locations and character of bedrock samples collected from the arseno lake claim group. Location are recorded in Latitude and Longitude decimal degrees. Table 2 below lists the details of each sample location as well as Fire Assay results for gold. A complete table of whole rock ICP-MS Analytical results can be observed in Appendix I. Traverses were planned to accomplish all the program objectives stated above (Figure 7) however not all were effective in accomplishing their intended goal.

The historical diamond drill core was located on the North shore of Eyapamikima Lake. As seen in figures 4 and 5, the core is cross-piled on logs with plywood sheets for top. Most of the plywood lids are heavily degraded and some of the smallest core piles totally are destroyed. It appears that only intervals of iron formation or anomalous sulphide mineralization were sampled. Much of the core still contains original box labels and it is estimated that 50-60% of original drilling could be recovered if desired. The top and bottom few rows in each remaining pile would be totally unrecoverable with a few exceptions.

From the storage location of the historical core on the Northern shore of Eyapamikima Lake the property was traversed directly North perpendicular to the stratigraphy. Unfortunately, little outcrop was discovered. Two generalized lithologies seem to dominate the area. Clastic metasediments and mafic metavolcanics.

The clastic units appear as weakly to moderately silicified phyllite schists, with and without garnet porphyroblasts which occur in significant abundances of 30-40% where present. Garnets are typically fine to medium grained, and anhedral to subhedral. all the metasedimentary outcrops featured an intense E-W trending fabric dipping very steeply (75-89 degrees) to the south.

Two outcrops of mafic metavolcanic units were observed. These rocks appear as melanocratic green, fine grained, amphibole biotite schists with minor abundances of chlorite. There was a well-developed foliation fabric striking near perfect East-West and dipping 75-89 degrees to the south. Often metavolcanic outcrops display acute 5-10cm wide foliation parallel shear zones. Which feature a notable gossanous alteration and small abundances of fine disseminated sulphide minerals, dominantly arsenopyrite and pyrite.

The following series of traverses focused on the previously identified mineralized trend. Planning to zig-zag across a direct line between the Arseno Lake and Castor Lake main zones in hopes it would allow us to characterize the nature of this trend and possibly locate previously undiscovered occurrences. The most significant occurrences are noted below.

The Arseno Lake Main Zone is a small poorly exposed outcrop featuring a several meter wide, horizon of siliceous iron formation. The horizon appears barren except where brecciated. In brecciated intervals the angular fragments are cemented by sulphide minerals. Adjacent to the horizon there is a strongly mineralized interval of clastic sedimentary rocks approximately 50cm wide. Mineralization dissipates distal to the vein with the unit grading into an unmineralized biotite garnet amphibole schist. A grab sample if these mineralized clastic metasediments returned laboratory values of 2.36g/t Au and 9.03 g/t Ag. There is a notable and intense fabric in the outcrop striking 105 degrees dipping 88 to the south. This fabric intensifies with proximity to the siliceous horizon.

700m down strike to the East another significant and well exposed occurrence of the siliceous horizon was encountered. Features of note are this horizon occurs in an area of dense interflow clastic sedimentary layers within the North Rim mafic volcanic package, the most significant mineralization occurs on the southern margin of the siliceous horizon in the clastic metasedimentary host. Mineralization intensifies with increasing proximity to the horizon over an interval of approximately one meter. a sulphide mineralized grab sample of the siliceous horizon assayed 6.28g/t Au and 35.9 g/t Ag (Figure 7).

Figure 5. Historical diamond drill core from the Arseno Lake Pb, Zn, Ag, Au deposit

Figure 6. Historical diamond drill core from the Arseno Lake Pb, Zn, Ag, Au deposit

Table 2. Summary table of lithogeochemical samples collected from the Arseno Lake claim group during 2018 field work

Date	Sample ID	Claim Number	Geologist	Rock Type	Veining Assemblage	Vein Type	Vein Azimuth	Vein Dip	Fabric	Fabric Intensity	Fabric Azimuth	Fabric Dip	Fault	Fault Intensity	Fault Azimuth	Fault Dip	Magnetic Susceptibility	x	y	Au g mt
6/9/2018	E885601	322939	D.Murray	Clastic Metasediment					Foliation	Moderate	260	66					835	-91.063956	52.975113	0.0025
6/9/2018	E885602	274313	D.Murray	Mafic Metavolcanic					Foliation	Weak	98	88	Shear Zone	Moderate	98	88	548	-91.065344	52.980807	0.0025
6/9/2018	E885603	274313	D.Murray	Clastic Metasediment					Foliation	Intense	94	84					102	-91.065285	52.981469	0.012
6/9/2018	E885605	118276	D.Murray	Mafic Metavolcanic	Quartz	Planar	90	sub vert	Foliation	Intense	92	70	Other	Moderate	0	85	405	-91.068328	52.983655	0.005
6/9/2018	E885606	274311	D.Murray	Mafic Metavolcanic	Quartz	Planar	275	sub vert	Foliation	Intense	96	85	Shear Zone	Weak	96	85	547	-91.068859	52.984487	0.007
6/11/2018	E885607	274313	S.Miller	Quartz Vein	Quartz	Massive	90	85									0.366	-91.062983	52.980461	0.02
6/11/2018	E885608	274313	D.Murray	Garnet-Biotite Schist					Foliation	Intense	88	88	Shear Zone	Intense	88	88	1.07	-91.062955	52.980471	0.006
6/11/2018	E885609	274313	D.Murray	Garnet-Biotite Schist					Foliation	Intense	105	88	Shear Zone	Intense	205	88	0.652	-91.062941	52.98045	2.36
6/9/2018	E885611	274313	D.Murray	Quartz Vein	Quartz	Massive	98	Unknown									2.45	-91.062709	52.980382	0.026
6/11/2018	E885612	274313	D.Murray	Mafic Metavolcanic					Foliation	Moderate	105	82					0.655	-91.062635	52.980584	0.0025
6/11/2018	E885613	274307	D.Murray	Clastic Metasediment					Foliation	Intense	88	86					0.219	-91.061331	52.980654	0.0025
6/11/2018	E885614	227092	D.Murray	Clastic Metasediment	Quartz	Massive	84	sun vert	Foliation	Intense	84	86	Shear Zone	Intense	100	85	0.347	-91.053037	52.979927	0.03
6/11/2018	E885615	227092	D.Murray	Clastic Metasediment	Quartz	Massive	100	sub vert									183	-91.053066	52.979924	6.28
6/11/2018	E885616	227092	D.Murray	Clastic Metasediment					Foliation	Intense	122	90					0.649	-91.05245	52.979838	0.024
6/11/2018	E885617	118270	D.Murray	Clastic Metasediment	Quartz	Planar	260	70	Foliation	Moderate	260	70	Shear Zone	Intense			712	-91.049508	52.979782	0.005
6/11/2018	E885618	118270	D.Murray	Clastic Metasediment					Foliation	Moderate	106	70					0.338	-91.049368	52.979383	0.005
6/12/2018	E885619	118270	D.Murray	Mafic Metavolcanic					Foliation	Moderate	108	86					0.367	-91.047555	52.979669	0.0025
6/12/2018	E885621	266333	D.Murray	Mafic Metavolcanic					Foliation	Intense	92	90					0.55	-91.040571	52.979309	0.006
6/12/2018	E885622	266333	D.Murray	Garnet-bearing Metasediment					Foliation	Intense	102	84					0.395	-91.039764	52.979476	0.027
6/12/2018	E885623	322936	D.Murray	Clastic Metasediment					Foliation	Intense	281	80	Shear Zone	Intense	281	80	0.2	-91.037816	52.978601	0.005
9/11/2018	E886157	227092	D.Murray	Clastic Metasediment	Quartz	Massive											0.488	-91.053092	52.979796	0.502

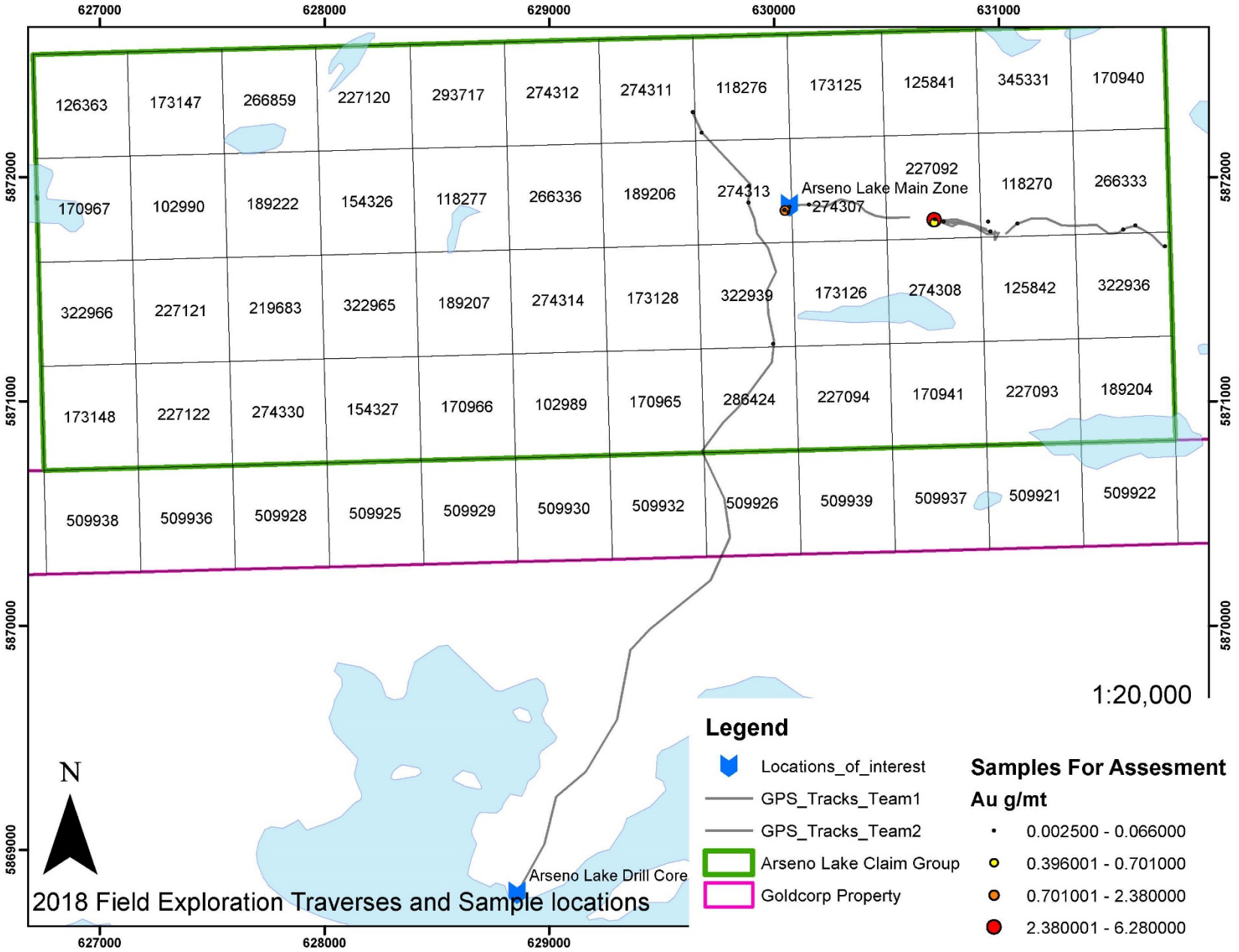


Figure 7. Map of traverses and lithogeochemical samples collected during 2018 on the Arseno Lake claims. See Figures 7A-D for close-ups of sample locations.

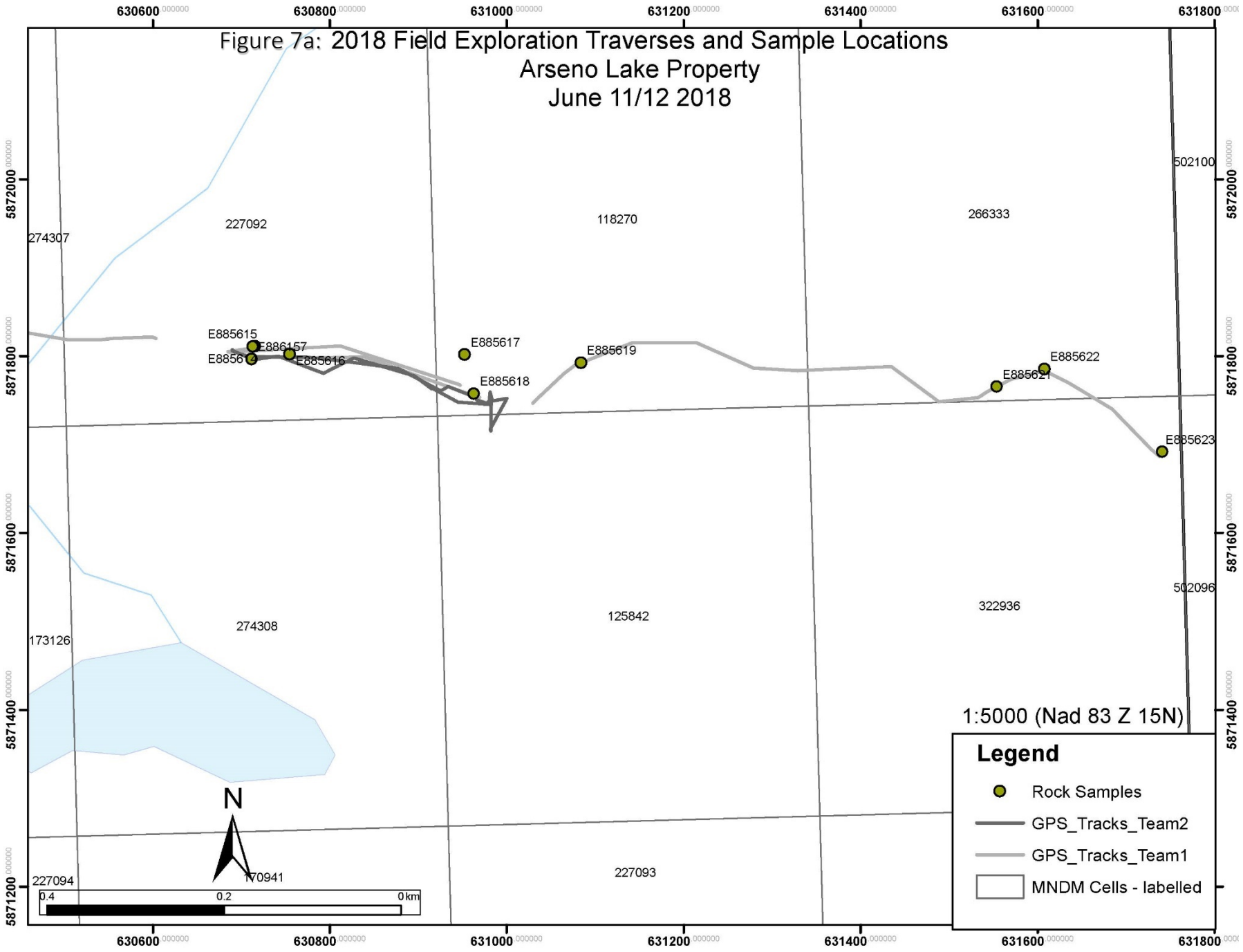


Figure 7a: 2018 Field Exploration Traverses and Sample Locations
Arseno Lake Property
June 11/12 2018
630600
630800
631000
631200
631400
631600
631800
5872000
5871800
5871600
5871400
5871200
227092
118270
266333
274307
502100
E885615
E886157
E885616
E885617
E885618
E885619
E885622
E885621
E885623
274308
125842
322936
173126
502096
227093
227094
170941
N
0.4
0.2
0 km
1:5000 (Nad 83 Z 15N)
Legend
Rock Samples
GPS_Tracks_Team2
GPS_Tracks_Team1
MNDM Cells - labelled

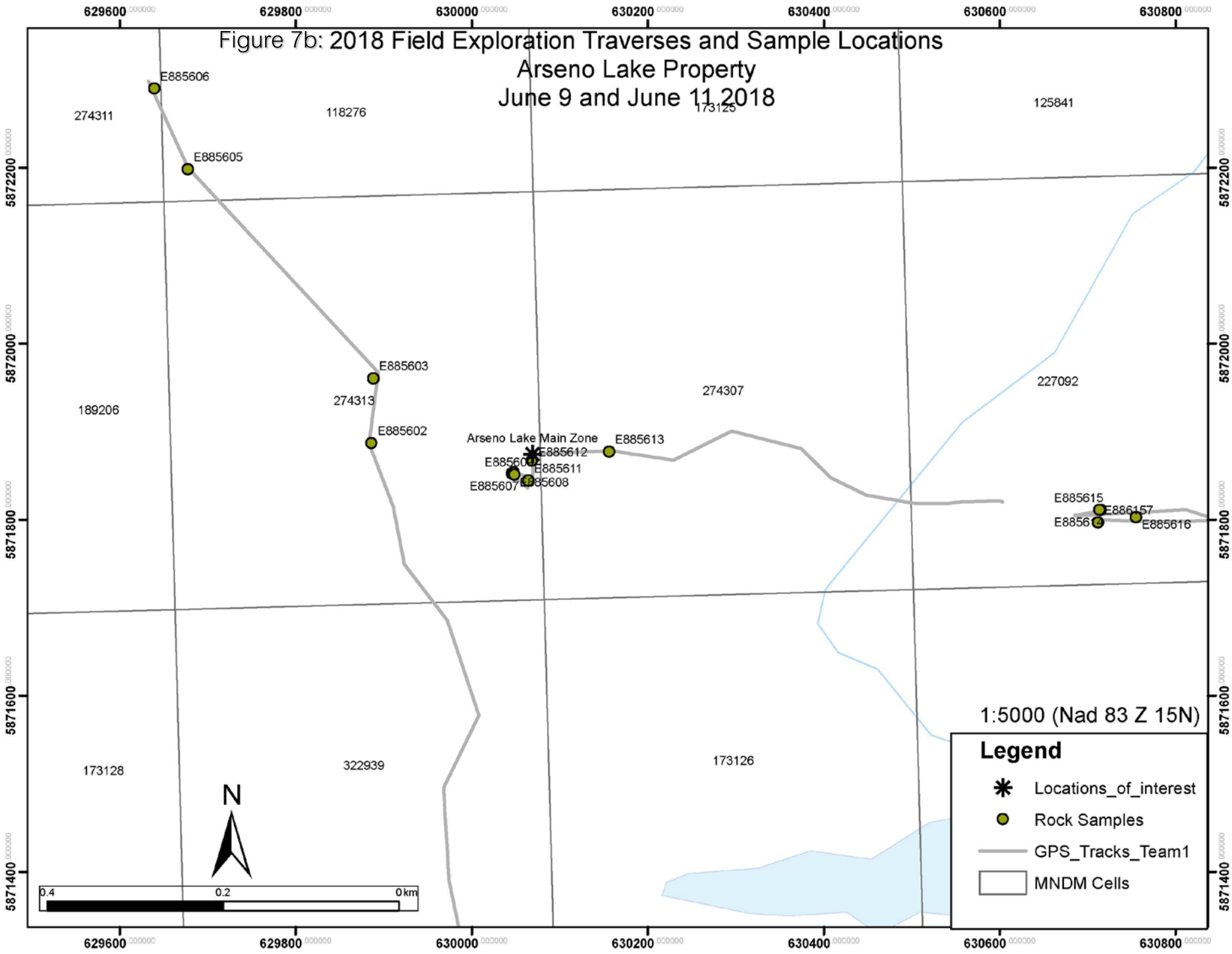
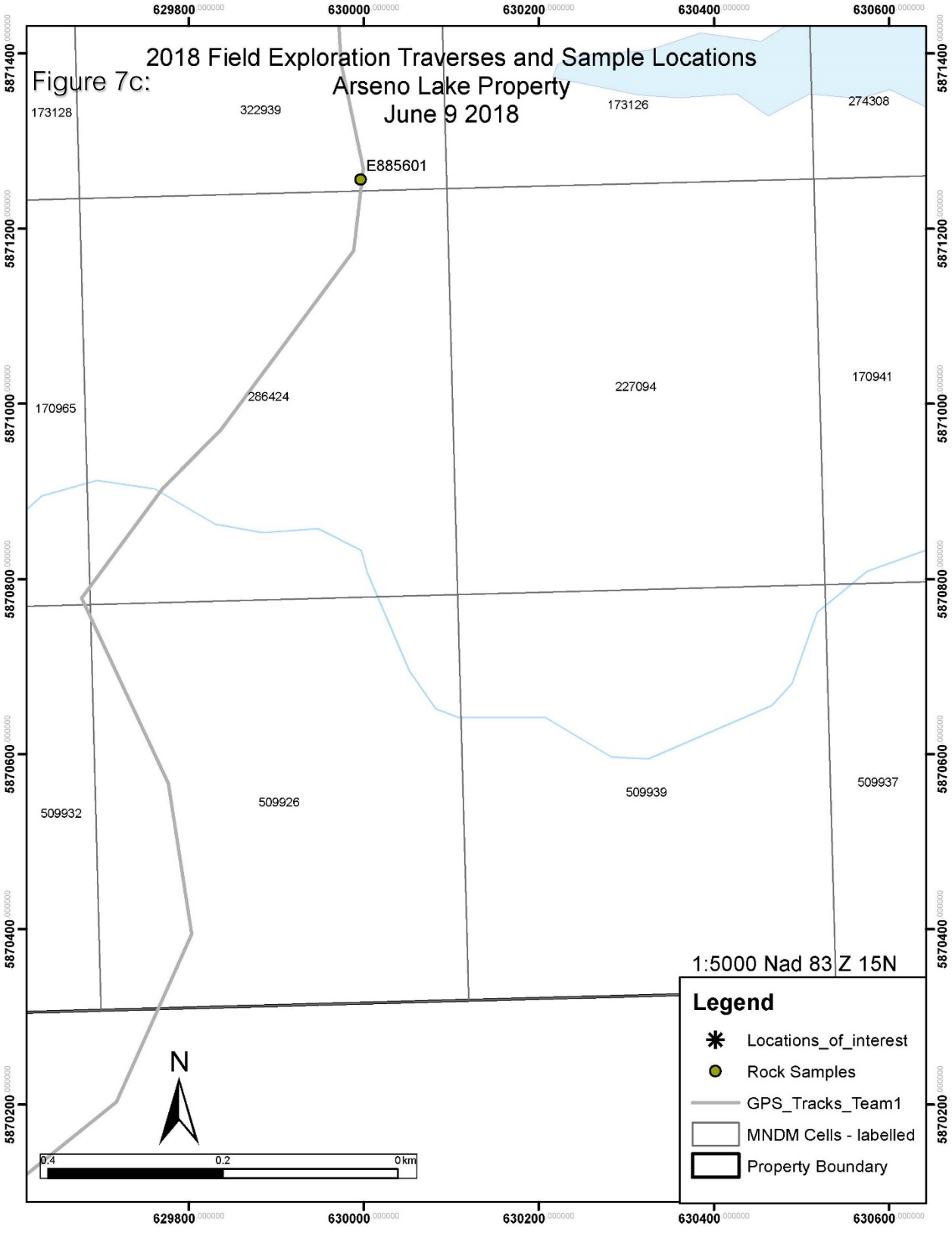
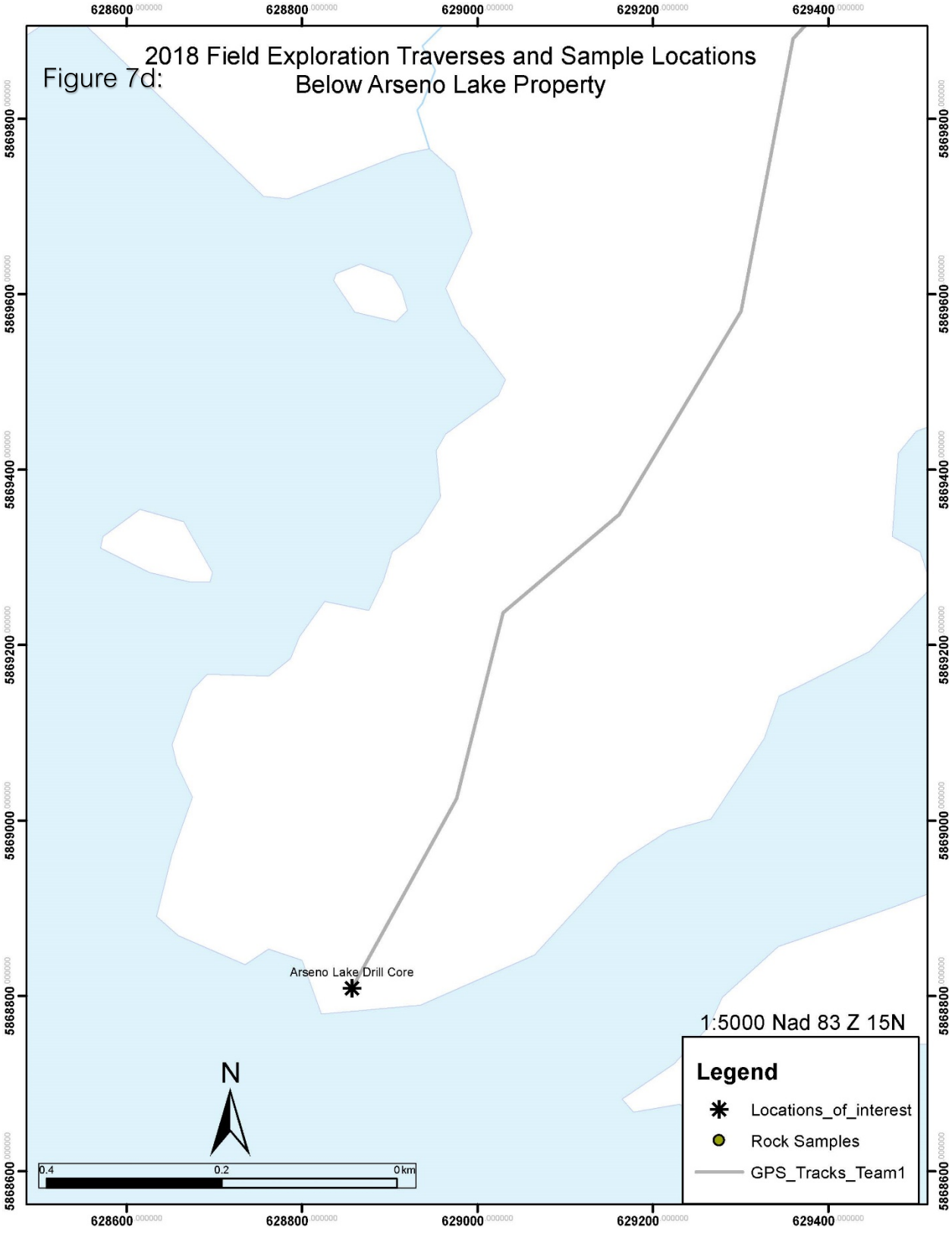


Figure 7b: 2018 Field Exploration Traverses and Sample Locations
Arseno Lake Property
June 9 and June 11 2018
629600
629800
630000
630200
630400
630600
630800
5872200
5872000
5871800
5871600
5871400
E885606
E885605
E885603
E885602
E885613
E885612
E885611
E885608
E885615
E886157
E885616
Arseno Lake Main Zone
274311
118276
173125
125841
189206
274313
274307
227092
173128
322939
173126
N
0.4
0.2
0km
1:5000 (Nad 83 Z 15N)
Legend
Locations_of_interest
Rock Samples
GPS_Tracks_Team1
MNDM Cells


2018 Field Exploration Traverses and Sample Locations
Arseno Lake Property
June 9 2018
Figure 7c:
629800
630000
630200
630400
630600
5871400
5871200
5871000
5870800
5870600
5870400
5870200
173128
322939
173126
274308
E885601
170965
286424
227094
170941
509932
509926
509939
509937
1:5000 Nad 83 Z 15N
N
0.4
0.2
0 km
Legend
Locations_of_interest
Rock Samples
GPS_Tracks_Team1
MNDM Cells - labelled
Property Boundary


2018 Field Exploration Traverses and Sample Locations
Below Arseno Lake Property
Figure 7d:
628600
628800
629000
629200
629400
5869800
5869600
5869400
5869200
5869000
5868800
5868600
Arseno Lake Drill Core
1:5000 Nad 83 Z 15N
N
0.4
0.2
0km
Legend
Locations_of_interest
Rock Samples
GPS_Tracks_Team1

Summary of Costs

Table 2 below details all costs incurred to conduct the exploration activities on the Arseno Lake claims described in this report. All relevant invoiced and receipts are appended to this report. All non-applicable charges have been deducted from the totals of each invoice.

Services and Materials

Category	Invoice Date	Invoice Number	Payee	Description	Amount
Transportation	18-Jun-18	6872	Wisk Air Helicopters	5.5 Flight Hrs.	$7,177.50
	19-Sep-18	6999		1.8 Flight Hrs.	$2,349.00
	9-Oct-18	7019		0.2 Flight Hrs.	$261.00
				Subtotal	$9,787.50
Assaying	15-Nov-18	A18-14383	Activation Laboratories Ltd.	UT-4 + Fire Assay 1 Sample	$36.00
	11-Sep-18	A18-10265		UT-4 + Fire Assay 20 Samples	$720.00
				Subtotal	$756.00

Personnel

Category	Person	Rate/Day	Person-days	Description	Amount
Field Operations	Exploration Geologist	$600.00	5	Field Days Only	$3,000.00
	Field Assistant	$360.00	5	Field Days Only	$1,800.00
				Subtotal	$4,800.00
Data compilation and Interpretation	Exploration Geologist	$600.00	5	Days ahead of field season	$3,000.00
				Subtotal	$3,000.00
Reporting	Project Geologist	$750.00	2	salary	$1,500.00
				Subtotal	$1,500.00
Lodging	Goldcorp Personnel (2)	$80.00	10	Musselwhite Mine Camp	$800.00
	Wisk Air Personnel (2)	$80.00	10		$800.00
				Subtotal	$1,600.00
				Program Total	$21,443.50

Recommendations

As was discussed in the results section of this exploration program, two samples of containing significant base metal grades were collected approximately 750m apart along a continuous geological horizon. This horizon is interpreted to be the siliceous iron formation described historically as containing a 1-million-ton base and precious metal resource.

It is recommended that an exhaustive campaign of geological mapping and geochemical sampling be undertaken to assess the potential of this trend. The most detailed work and expenditure of resources should take place in the 750m strike length between these two samples with similar work of lower resolution testing the horizons continuity to the east and west of the 2018 sample locations.

The recommended scope of work includes two phases.

Phase 1: Detailed geological mapping along the mineralized trend of both the bedrock and surficial geology, including whole rock lithogeochemical sampling of all outcropping bedrock. An expert analysis of the data collected will determine the details of phase 2.

Phase 2: high resolution geochemical sampling of the mineralized trend. The objective of the sampling is to identify mineralized intervals along strike of the known trend under cover. The exact methods of geochemical sampling may include soil sampling, MMI, Biogeochemical, Basal till, or others but should be determined by an analysis of the surficial geology mapping conducted in phase one. A comprehensive understanding of surficial media is critical in selection of the most effective geochemical sampling methods for the local conditions.

Opapimiskan Lake Exploration

Location and Access

The Opapimiskan Lake project area is located in the Skinner Lake township, district of Kenora, Ontario. The area lies approximately 500km North of the Thunder Bay, Ontario, 135km North of the town of Pickle Lake, and between 10km and 20km North Northwest of Goldcorp Canada Ltd.'s Musselwhite Mine across Opapimiskan Lake.

The property is accessible by chartered ski or float equipped aircraft or helicopter. Alternatively, the property can be accessed via boat or ice road across Opapimiskan lake from Goldcorp Canada Ltd.'s Musselwhite Mine. Musselwhite Mine has 4 season road access via Pickle Lake.

Figure 8. Location of Opapimiskan Lake Project Area within the province of Ontario

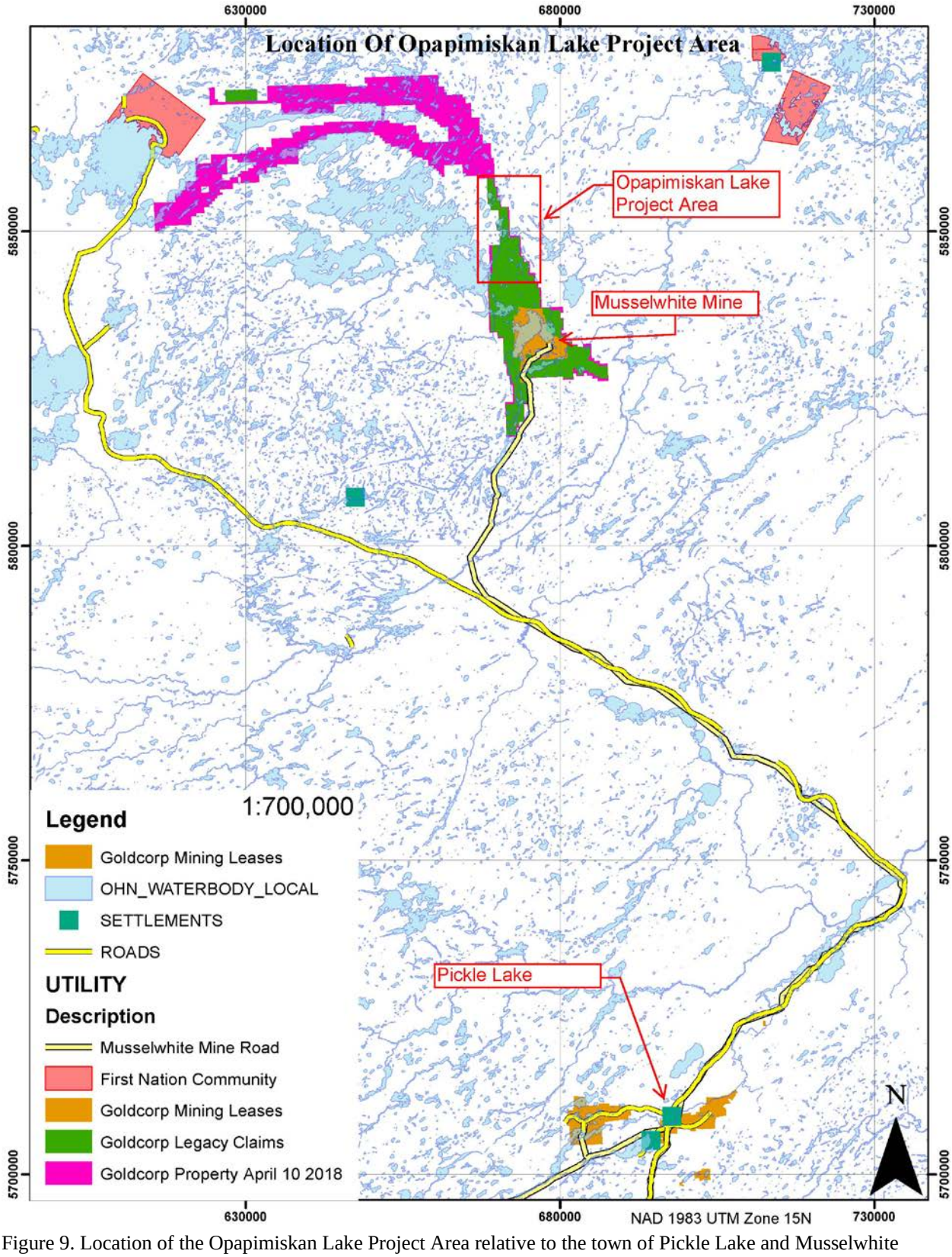


Figure 9. Location of the Opapimiskan Lake Project Area relative to the town of Pickle Lake and Musselwhite Mine

History and Previous Work in the Skinner Lake Township

1963 – Diamond drilling by International Nickel Company of Canada

1978 – Diamond Drilling by Dome Exploration

1982 – Canadian Nickel Company Limited conducts magnetic geophysical survey

1982 – 493217 Ontario Ltd. conducts VLF-EM and magnetic geophysical surveys

1983 – 493217 Ontario Ltd. Geological mapping prospecting and geochemical sampling.

1983 – Canadian Nickel Company Limited. Whole rock geochemical sampling campaign

1985 – Diamond drilling by Dome Exploration (Canada) Limited

1985 – Diamond drilling by Van Horne Gold Exploration Inc.

1986 – Dome Mines Group conducted Line cutting, ground geophysics and diamond drilling

1987 – Oracle Resources Ltd. and Van Horne Gold Exploration Inc. conducted magnetic, and VLF-EM surveys

1987 – Diamond drilling by Oracle Resources Ltd.

1994 – Pangea Goldfields Inc. Geological mapping and lithogeochemical sampling

1995 – Pangea Goldfields Inc. conducts magnetic geophysical survey

1997 – Diamond Drilling by Placer Dome North America Limited

2001 – Placer Dome Canada conducts geological mapping, line cutting, and geophysics

2002 – Placer Dome Limited conducts belt scale airborne magnetic survey

2010-2011 Diamond drilling conducted by Premier Gold Mines Ltd.

Physiography and Vegetation

The landscape is dominated by muskeg which is densely forested with black spruce trees with a thick undergrowth of labrador tea. There is minimal topographical relief present throughout the area aside from a North-Northwest trending ridge of approximately 100m relief running along the eastern margin of the claim group. Typically, the shores of the small lakes which occur abundantly throughout the area are composed of rounded glacial boulders or less commonly bedrock. Outside of these lake shores exposures of outcropping bedrock are rare.

Local Geology

The group of claims held by Goldcorp Canada Ltd. in the Opapimiskan Lake project area are underlain by 5 distinct supracrustal assemblages (Figure 10). The Schade Lake gneiss complex along the eastern margin and the North Caribou Pluton along the western margin are of little economic interest and have not been the focus of much exploration activity. The core of the claim group us underlain by the three dominant assemblages comprising the North Caribou Greenstone Belt; the North Rim and South Rim metavolcanic Assemblages and between them the Eyapamikima Metasedimentary assemblage.

The South Rim Assemblage extends along the Southern and Western margins of the North Caribou Greenstone Belt from Randall Lake, South of Weagamow Lake, to Opapimiskan Lake (Figure 1). The assemblage is dominantly composed of pillowed and massive mafic metavolcanic flows with minor felsic to intermediate metavolcanic occurrences with subordinate ultramafic and metasedimentary components (Breaks et al, 2001). Metasedimentary components include silicate facies iron formations which are present at numerous locations within the assemblage throughout the greenstone belt.

The North Rim Assemblage is Occurs along the Northern and Western margins of the North Caribou Greenstone Belt from Weagamow Lake to Opapimiskan Lake (Figure 1). The assemblage is dominantly composed of pillowed and massive metavolcanic mafic flows. Locally ultramafic and felsic to intermediate flows are observable. There are notable metasedimentary components which include silicate-facies banded iron formations and undifferentiated clastic metasedimentary units. (Oswald 2018) Metasedimentary occurrences appear concentrated along the Southern and Eastern margin of the assemblage where it is in contact with the Eyapamikima Lake Metasedimentary assemblage.

The Eyapamikima Lake Metasedimentary Assemblage is a variable package of clastic metasedimentary rocks. The geometry of the assemblage is highly variable however in the project area it occurs as a North-South trending subvertical unit, a few hundred meters in width, bound between the North Rim Assemblage to the East and the South Rim assemblage to the West. The width of the surface expression of the unit.

Although the North and South Rim Assemblages are prospective in their own rights, and have been the focus of much exploration, deeper diamond drilling campaigns in the area have focused on exploring the Opapimiskan Markop Assemblage. This mafic metavolcanic assemblage underlies the South Rim Assemblage and contains a large and laterally continuous horizon of silicate iron formation. This unit of banded iron formation, known as the Northern Iron Formation. is host to the most significant ore bodies within Goldcorp Canada Ltd.’s Musselwhite Mine. Geophysical surveys indicate that the hinge of a map-scale antiformal closure if the Northern Iron Formation plunges to the North into the Opapimiskan Lake project area.

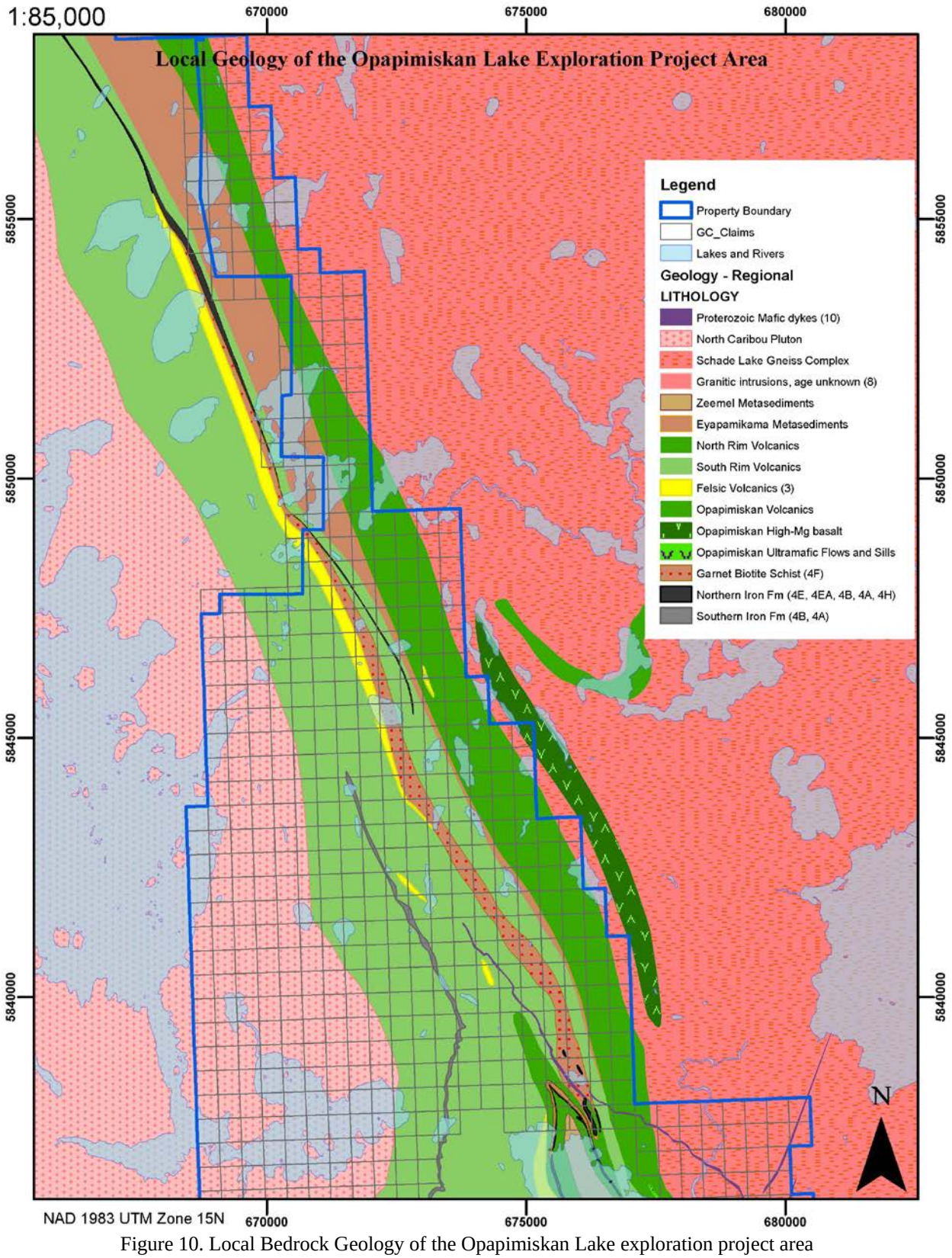


Figure 10. Local Bedrock Geology of the Opapimiskan Lake exploration project area

Table of Claims

Field work associate with the exploration of this project area including prospecting traverses and lithogeochemical sampling was conducted on the following claims held by Goldcorp Canada Ltd.

Table 3. Claims held by Goldcorp Canada Ltd. on which field exploration activities were conducted during exploration of the Opapimiskan Lake project area

Claim Number	Type	Status	Date Issued	Date Due	Holder
325374	Single Cell Mining Claim	Active	2018-04-10	2020-10-23	(100) GOLDCORP CANADA LTD.
313154	Single Cell Mining Claim	Active	2018-04-10	2020-10-23	(100) GOLDCORP CANADA LTD.
317967	Boundary Cell Mining Claim	Active	2018-04-10	2021-10-22	(100) GOLDCORP CANADA LTD.
258078	Single Cell Mining Claim	Active	2018-04-10	2021-10-22	(100) GOLDCORP CANADA LTD.
239892	Single Cell Mining Claim	Active	2018-04-10	2020-10-22	(100) GOLDCORP CANADA LTD.
197360	Single Cell Mining Claim	Active	2018-04-10	2021-10-22	(100) GOLDCORP CANADA LTD.
331325	Single Cell Mining Claim	Active	2018-04-10	2021-10-22	(100) GOLDCORP CANADA LTD.
153338	Single Cell Mining Claim	Active	2018-04-10	2020-04-12	(100) GOLDCORP CANADA LTD.
217490	Single Cell Mining Claim	Active	2018-04-10	2021-10-22	(100) GOLDCORP CANADA LTD.
305853	Single Cell Mining Claim	Active	2018-04-10	2021-10-22	(100) GOLDCORP CANADA LTD.
314173	Single Cell Mining Claim	Active	2018-04-10	2020-04-12	(100) GOLDCORP CANADA LTD.
304443	Single Cell Mining Claim	Active	2018-04-10	2021-10-20	(100) GOLDCORP CANADA LTD.
234783	Single Cell Mining Claim	Active	2018-04-10	2021-10-20	(100) GOLDCORP CANADA LTD.
113793	Single Cell Mining Claim	Active	2018-04-10	2021-10-22	(100) GOLDCORP CANADA LTD.
151514	Boundary Cell Mining Claim	Active	2018-04-10	2021-10-22	(100) GOLDCORP CANADA LTD.
155981	Single Cell Mining Claim	Active	2018-04-10	2020-10-23	(100) GOLDCORP CANADA LTD.
307468	Single Cell Mining Claim	Active	2018-04-10	2021-10-20	(100) GOLDCORP CANADA LTD.
216951	Boundary Cell Mining Claim	Active	2018-04-10	2021-10-22	(100) GOLDCORP CANADA LTD.
132640	Single Cell Mining Claim	Active	2018-04-10	2021-10-22	(100) GOLDCORP CANADA LTD.
137888	Single Cell Mining Claim	Active	2018-04-10	2021-10-22	(100) GOLDCORP CANADA LTD.
151538	Single Cell Mining Claim	Active	2018-04-10	2021-10-22	(100) GOLDCORP CANADA LTD.
210578	Single Cell Mining Claim	Active	2018-04-10	2021-10-22	(100) GOLDCORP CANADA LTD.
150588	Single Cell Mining Claim	Active	2018-04-10	2020-04-12	(100) GOLDCORP CANADA LTD.
313155	Single Cell Mining Claim	Active	2018-04-10	2020-10-22	(100) GOLDCORP CANADA LTD.
112446	Single Cell Mining Claim	Active	2018-04-10	2020-10-22	(100) GOLDCORP CANADA LTD.
300703	Single Cell Mining Claim	Active	2018-04-10	2021-10-22	(100) GOLDCORP CANADA LTD.
149244	Single Cell Mining Claim	Active	2018-04-10	2021-10-22	(100) GOLDCORP CANADA LTD.
149245	Single Cell Mining Claim	Active	2018-04-10	2021-10-22	(100) GOLDCORP CANADA LTD.
321401	Single Cell Mining Claim	Active	2018-04-10	2020-04-12	(100) GOLDCORP CANADA LTD.
314174	Single Cell Mining Claim	Active	2018-04-10	2020-04-12	(100) GOLDCORP CANADA LTD.
317966	Single Cell Mining Claim	Active	2018-04-10	2021-10-22	(100) GOLDCORP CANADA LTD.
294753	Single Cell Mining Claim	Active	2018-04-10	2021-10-22	(100) GOLDCORP CANADA LTD.
115239	Single Cell Mining Claim	Active	2018-04-10	2020-04-12	(100) GOLDCORP CANADA LTD.
132641	Single Cell Mining Claim	Active	2018-04-10	2021-10-22	(100) GOLDCORP CANADA LTD.

Description of Program

During the summer of 2018 Geological field work was conducted over 6-day period on Goldcorp Canada Ltd.'s Opapimiskan Lake project area, between the Northern margin of Musselwhite Mine leases and the Northern edge of Goldcorp Canada Ltd.'s legacy exploration claims (Figure 9). The work was undertaken by staff geologists employed by Goldcorp at Musselwhite Mine with various supporting functions performed by geotechnical staff or commissioned from contractor groups.

The work involved helicopter supported prospecting traverses as well as lithogeochemical sampling. The primary objectives of this work were to discover down strike occurrences of the mineralized Akow Lake Shear Zone as well as well is prospecting down strike of the doubtful lake shear zone. The Doubtful Lake shear zone is not known to host any economic mineralization however it is parallel and similarly aged to the Akow Lake Shear Zone (Figure 1).

One field crew consisting of one geologist and one field assistant conducted field activities each day. The crews were transported in a Bell 206 Long Ranger helicopter provided and operated by Wisk Air Helicopters of Thunder Bay, Ontario. The locations of exploration traverses were limited by the poor exposure of outcropping bedrock in the area and can be observed in figure 5. Below. All occurrences of outcropping bedrock encountered along traverse were sampled and submitted to Activation Laboratories in Dryden, Ontario for whole rock analysis by 4-acid digestion ICP-MS and for gold by conventional fire Assay. samples exceeding 10g/t gold were re-analyzed by gravimetric fire assay. a total of 31 samples were collected and submitted. Bedrock samples were collected by employing conventional geological rock hammers and small sledge hammers. Field data and sample locations were recorded on Apple iPad in custom forms using the Esri Survey 123 application. Survey 123 records sample locations in latitude and longitude decimal degrees.

Figure 11 below depicts the tracks of each traverse and location of each lithogeochemical sample collected. Table 4 on the following page details the nature and location of each sample including fire assay results. A complete table of all geochemical results can by observed in Appendix IV.

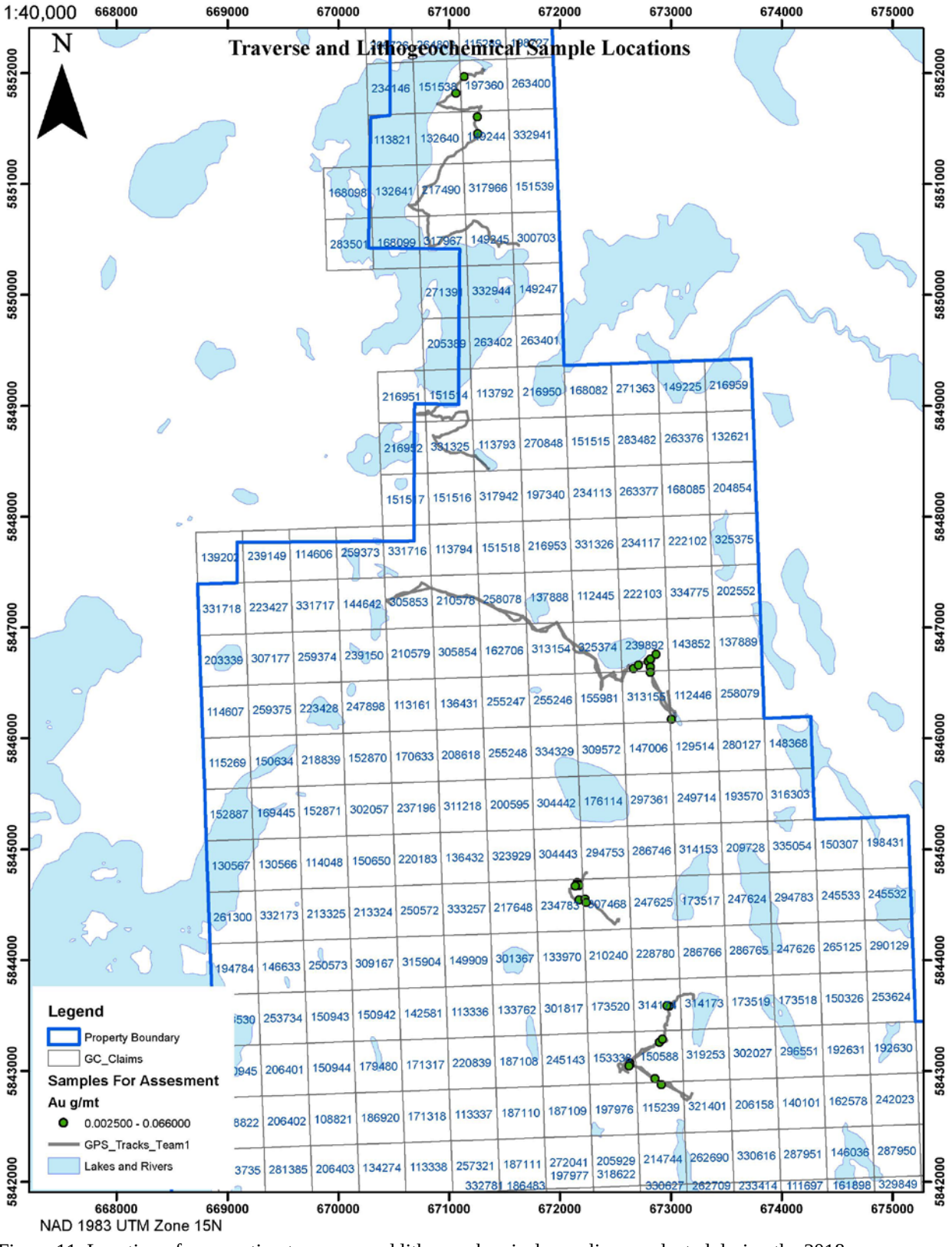


Figure 11. Location of prospecting traverses and lithogeochemical sampling conducted during the 2018 exploration of the Opapimiskan Lake project area. Figures A-D are the sample locations.

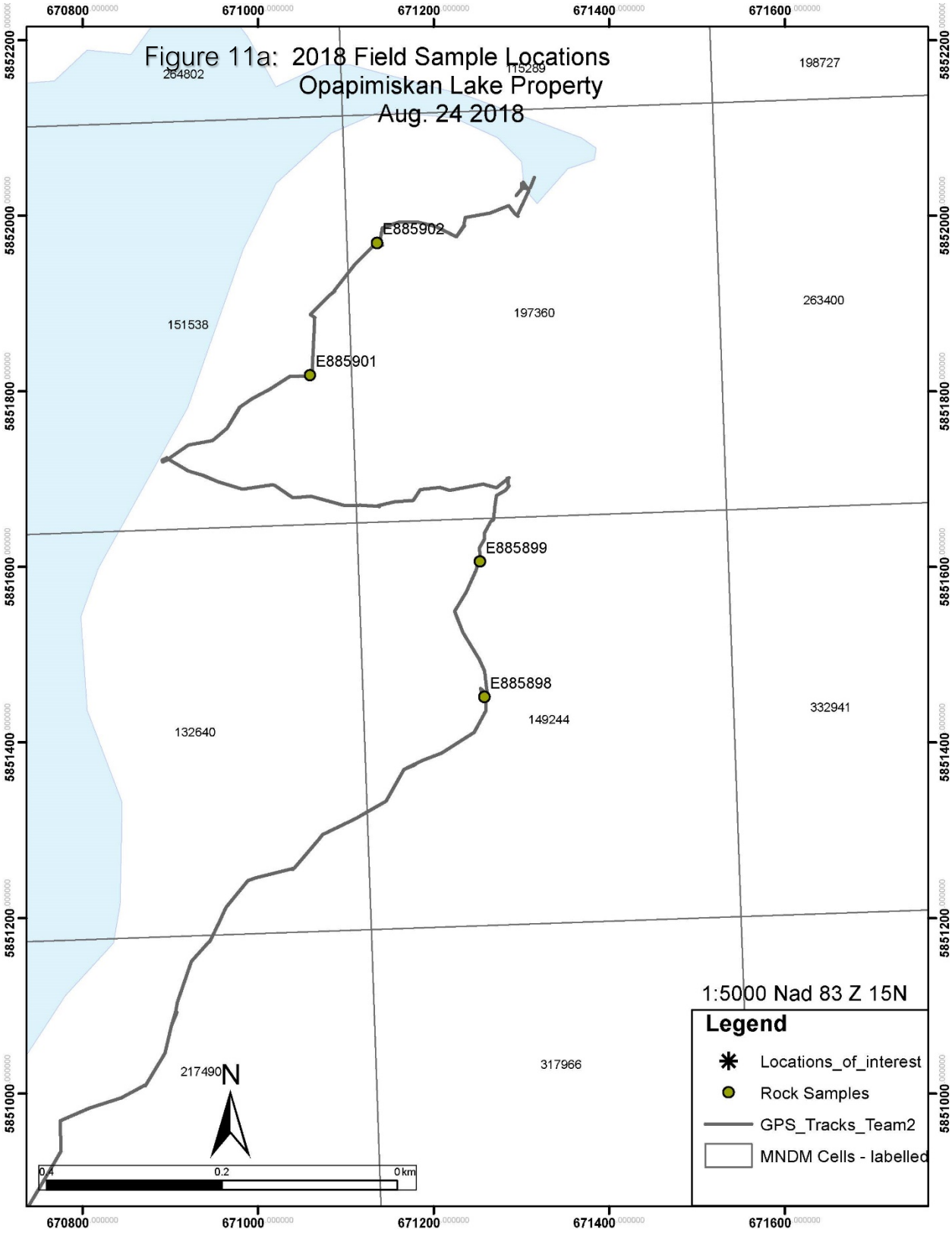
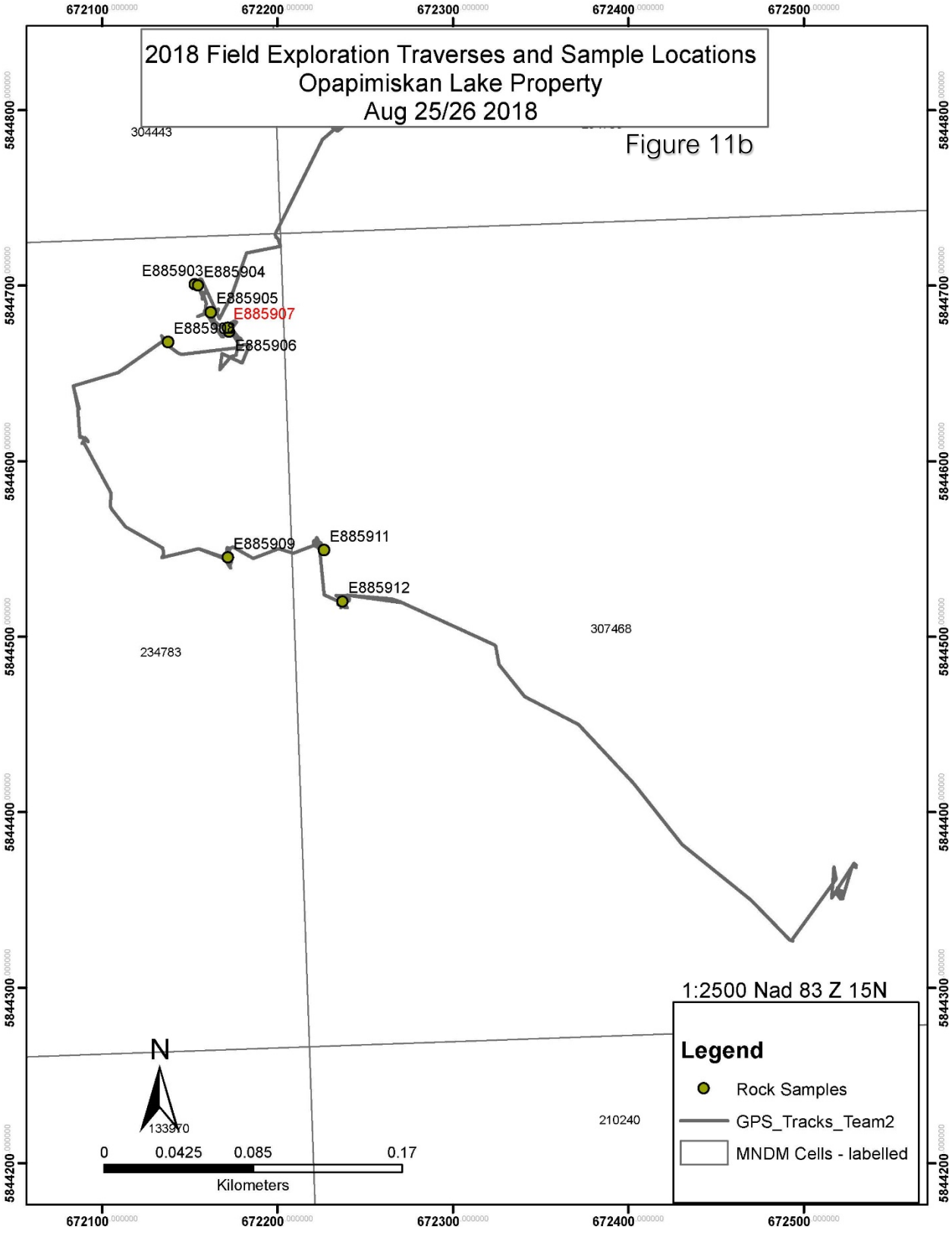
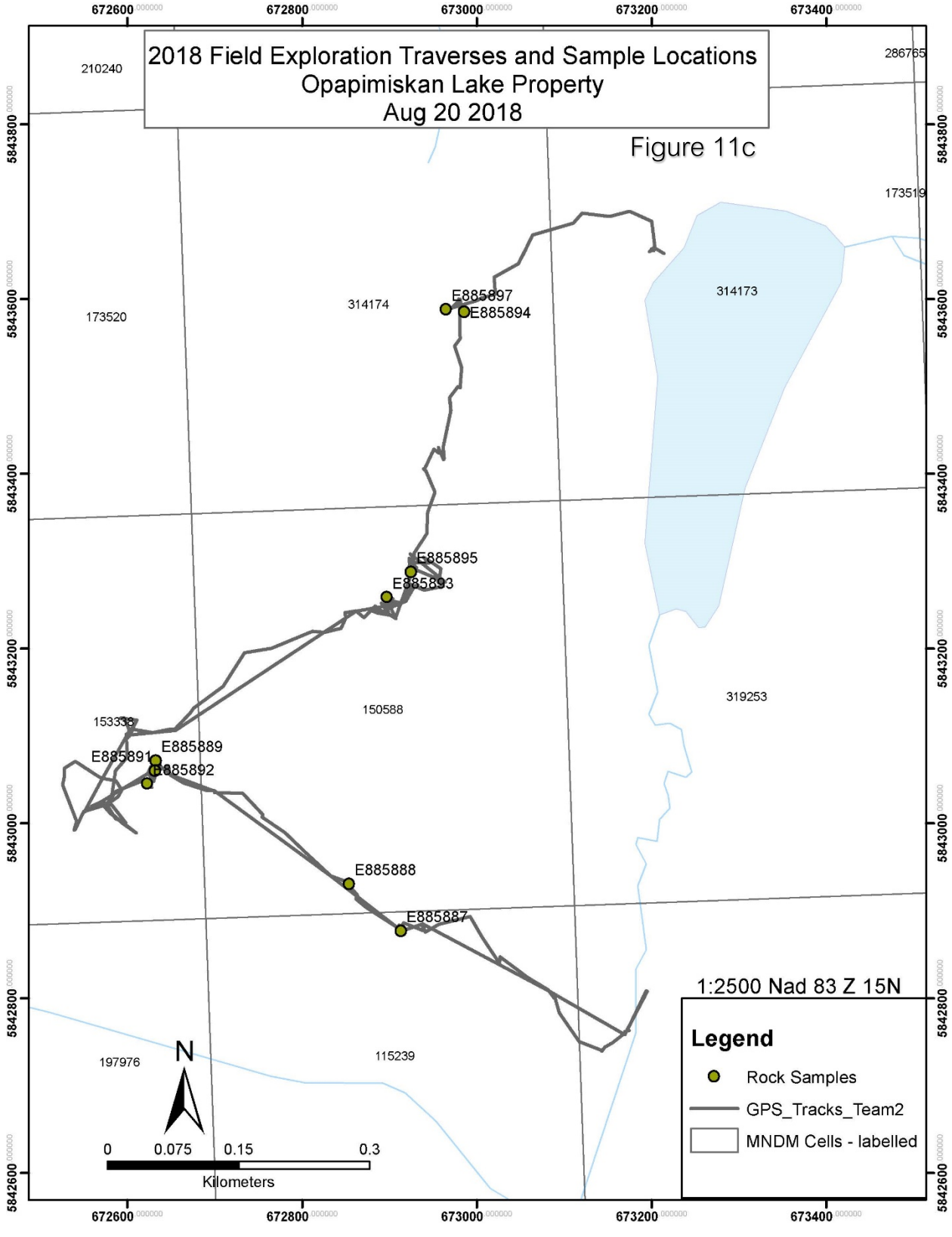
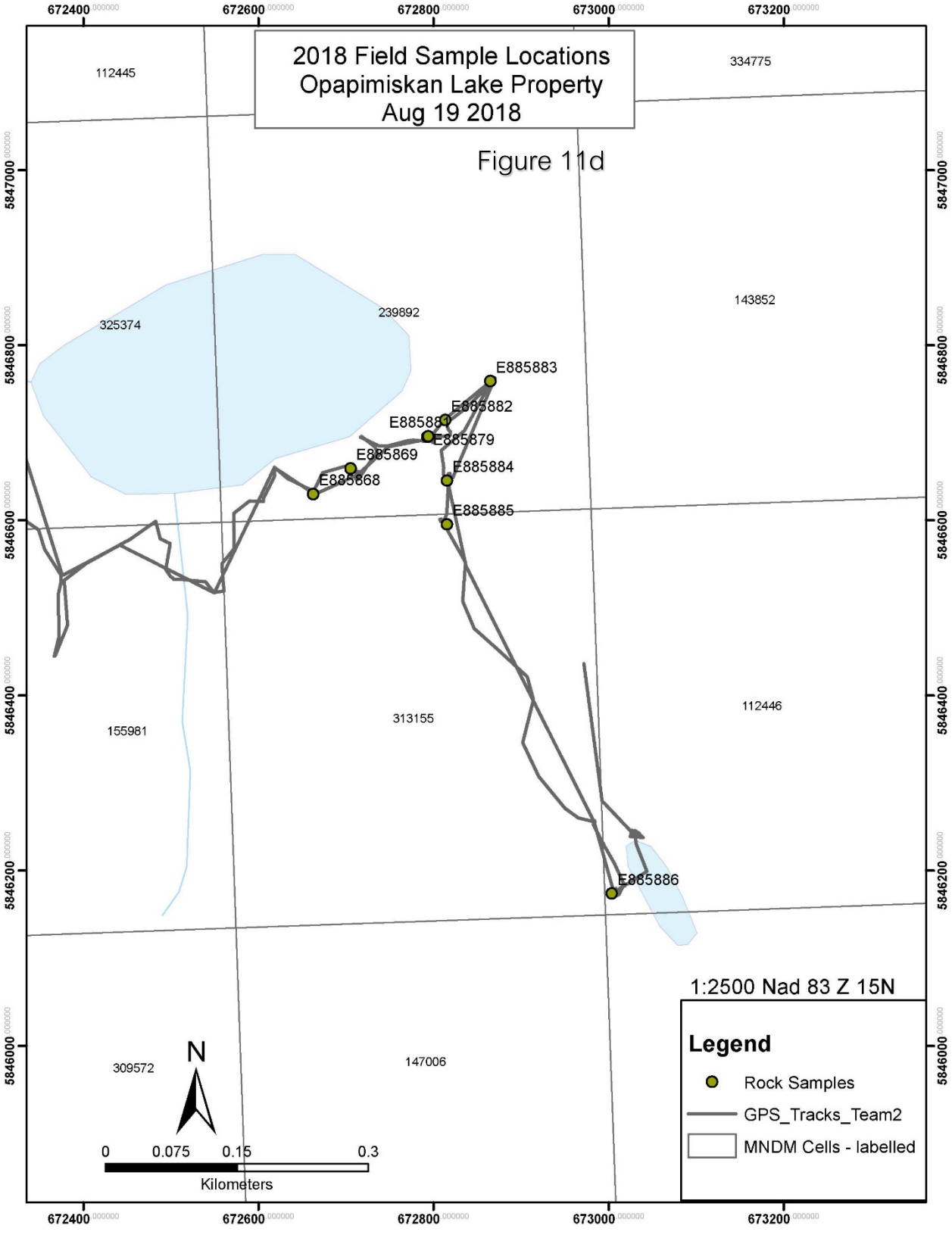


Figure 11a: 2018 Field Sample Locations
Opapimiskan Lake Property
Aug. 24 2018
670800
671000
671200
671400
671600
5852200
5852000
5851800
5851600
5851400
5851200
5851000
264802
175289
198727
E885902
151538
197360
263400
E885901
E885899
E885898
132640
149244
332941
217490
317966
N
0.4
0.2
0 km
1:5000 Nad 83 Z 15N
Legend
Locations_of_interest
Rock Samples
GPS_Tracks_Team2
MNDM Cells - labelled


2018 Field Exploration Traverses and Sample Locations
Opapimiskan Lake Property
Aug 25/26 2018
Figure 11b
672100
672200
672300
672400
672500
5844800
5844700
5844600
5844500
5844400
5844300
5844200
304443
E885903
E885904
E885905
E885907
E885906
E885909
E885911
E885912
234783
307468
210240
133970
N
0
0.0425
0.085
0.17
Kilometers
1:2500 Nad 83 Z 15N
Legend
Rock Samples
GPS_Tracks_Team2
MNDM Cells - labelled


2018 Field Exploration Traverses and Sample Locations
Opapimiskan Lake Property
Aug 20 2018
Figure 11c
672600
672800
673000
673200
673400
5843800
5843600
5843400
5843200
5843000
5842800
5842600
210240
286765
173519
173520
314174
314173
319253
150588
153338
197976
115239
E885897
E885894
E885895
E885893
E885889
E885891
E885892
E885888
E885887
N
0
0.075
0.15
0.3
Kilometers
1:2500 Nad 83 Z 15N
Legend
Rock Samples
GPS_Tracks_Team2
MNDM Cells - labelled


2018 Field Sample Locations
Opapimiskan Lake Property
Aug 19 2018
Figure 11d
672400
672600
672800
673000
673200
5847000
5846800
5846600
5846400
5846200
5846000
112445
334775
325374
239892
143852
155981
313155
112446
309572
147006
E885883
E885882
E885881
E885879
E885869
E885884
E885868
E885885
E885886
N
0
0.075
0.15
0.3
Kilometers
1:2500 Nad 83 Z 15N
Legend
Rock Samples
GPS_Tracks_Team2
MNDM Cells - labelled

Results

This campaign of prospecting and lithogeochemical sampling failed to identify any confirmed or suspected exposures of the Doubtful Lake or Akow Lake shear zones. Additionally, as observed in figure 11, of 31 samples collected none graded greater than 0.066 g/t gold.

It was noted during field traverses and reconnaissance flights that the area features very little exposures of outcropping metavolcanic or metasedimentary assemblages. Therefore, the discouraging results of this program are not necessarily indicative of the exploration potential in the area.

A table of samples collected from the area may be observed in table 4 below. The table features sample locations in Latitude-Longitude decimal degrees. In addition to field observations related to each sample and gold assay values in g/mt. A complete table of whole rock geochemical results can be observed in Appendix IV.

Table 4. Locations and descriptions of lithogeochemical samples collected from the Opapimiskan Lake project area during the 2018 regional exploration program

Date	Sample ID	Claim Number	Geologist	Rock Type	Veining Assemblage	Vein Type	Vein Azimuth	Vein Dip	Fabric	Fabric Intensity	Fabric Azimuth	Fabric Dip	Fault	Fault Intensity	Fault Azimuth	Fault Dip	Fold	Fold Azimuth	Fold Dip	Magnetic Susceptibility	x	y	Au g/mt
8/19/2018	E885868	239892	S.Miller	Clastic Metasediment	Quartz	Planar	184	N/A	Primary Bedding	Weak	184	N/A								0.181	-90.442179	52.741918	0.0025
8/19/2018	E885869	239892	S.Miller	Felsic Lapilli Tuff	Quartz	Planar	356	82	Foliation	Moderate	356	82								0.102	-90.441531	52.742166	0.0025
8/19/2018	E885879	239892	S.Miller	Intermediate Tuff	Quartz	Planar	352	76	Foliation	Moderate	352	76								0.619	-90.440215	52.742461	0.0025
8/19/2018	E885881	239892	S.Miller	Chert					Primary Bedding	Moderate	350	N/A								0.711	-90.440198	52.742469	0.012
8/19/2018	E885882	239892	S.Miller	Mafic Metavolcanic					Foliation	Moderate	162	N/A								0.616	-90.4399	52.742628	0.005
8/19/2018	E885883	239892	S.Miller	Mafic Metavolcanic					Foliation	Moderate	156	82								1.31	-90.43912	52.74301	0.009
8/19/2018	E885884	239892	S.Miller	Mafic Metavolcanic					Foliation	Intense	158	70	Shear Zone	Moderate	158	70				0.572	-90.439911	52.742006	0.0025
8/19/2018	E885885	313155	S.Miller	Chert					Primary Bedding	Moderate	166	82					Z-Fold	144	N/A	0.092	-90.439937	52.741557	0.0025
8/19/2018	E885886	112446	S.Miller	Felsic Lapilli Tuff	Quartz	Crack-Seal	166	N/A	Primary Bedding	Weak	166	88								0.034	-90.437375	52.737713	0.0025
8/20/2018	E885887	115239	S.Miller	Mafic Dyke					Foliation	Weak	316	N/A								13.2	-90.440451	52.708134	0.007
8/20/2018	E885888	150588	S.Miller	Mafic Metavolcanic	Quartz	Flooding	136	N/A	Foliation	Moderate	136	N/A								0.434	-90.441296	52.708635	0.005
8/20/2018	E885889	153338	S.Miller	Mafic Metavolcanic	Quartz	Flooding	152	N/A	Foliation	Moderate	152	N/A	Shear Zone	Weak	152	N/A				0.293	-90.444499	52.709972	0.005
8/20/2018	E885891	153338	S.Miller	Mafic Metavolcanic	Quartz	Stringer	154	N/A	Foliation	Moderate	154	N/A	Shear Zone	Weak	154	N/A				0.765	-90.444517	52.70987	0.0025
8/20/2018	E885892	153338	S.Miller	Quartz Vein	Quartz	Massive	110	N/A	Foliation	Moderate	152	80								0.064	-90.444658	52.709738	0.0025
8/20/2018	E885893	150588	S.Miller	Quartz Vein	Quartz	Massive	146	72					Shear Zone	Moderate	146	72				0.03	-90.440486	52.711566	0.028
8/20/2018	E885894	314174	S.Miller	Quartz Vein	Quartz	Flooding							Shear Zone	Intense	155	N/A				0.024	-90.439008	52.714469	0.014
8/20/2018	E885895	150588	S.Miller	Felsic Lapilli Tuff					Foliation	Intense	152	N/A								0.138	-90.440062	52.711819	0.0025
8/20/2018	E885897	314174	S.Miller	Clastic Metasediment	Quartz	Planar	N/A	N/A	Foliation	Moderate	152	N/A								0.122	-90.439316	52.714503	0.0025
8/24/2018	E885898	149244	S.Miller	Intermediate Flow					Foliation	Moderate	346	76								0.434	-90.460449	52.785669	0.0025
8/24/2018	E885899	149244	S.Miller	Mafic Metavolcanic	Quartz	Crack-Seal			Foliation	Intense	350	70	Shear Zone	Moderate	350	70				0.446	-90.460444	52.787054	0.0025
8/24/2018	E885901	197360	S.Miller	Mafic Metavolcanic	Quartz	Stringer	350	80	Foliation	Intense	350	80	Shear Zone	Moderate	350	80				0.47	-90.463198	52.789023	0.0025
8/24/2018	E885902	197360	S.Miller	Quartz Vein	Quartz	Massive	336	N/A	Foliation	Moderate	336	N/A								0.305	-90.461988	52.790352	0.0025
8/25/2018	E885903	234783	S.Miller	Garnet Amphibile IF	Quartz	Replacement	168	80	Primary Bedding	Moderate	168	80								14.8	-90.450735	52.724752	0.0025
8/25/2018	E885904	234783	S.Miller	Mafic Metavolcanic	Quartz	Crack-Seal				Moderate	168	80								0.806	-90.450708	52.724746	0.0025
8/25/2018	E885905	234783	S.Miller	Mafic Metavolcanic	Quartz	Crack-Seal	162	N/A	Foliation	Moderate	162	N/A	Shear Zone	Moderate	162	N/A				0.417	-90.450608	52.724607	0.0025
8/25/2018	E885906	234783	S.Miller	Garnet Amphibile IF	Quartz	Replacement	158	N/A	Primary Bedding	Moderate	158	N/A								0.49	-90.450459	52.724503	0.066
8/25/2018	E885907	234783	S.Miller	Garnet Amphibile IF	Quartz	Replacement	166	N/A	Primary Bedding	Moderate	166	78								0.487	-90.45047	52.724525	0.0025
8/25/2018	E885908	234783	S.Miller	Quartz Vein	Quartz	Massive	340	82												0.008	-90.450977	52.724463	0.0025
8/25/2018	E885909	234783	S.Miller	Quartz Vein	Quartz	Massive														0.427	-90.450539	52.72335	0.0025
8/25/2018	E885911	307468	S.Miller	Mafic Metavolcanic	Quartz	Crack-Seal	348	N/A					Shear Zone	Weak	348	N/A				0.626	-90.449726	52.72337	0.015
8/26/2018	E885912	307468	S.Miller	Garnet Amphibile IF	Quartz	Replacement	348	N/A	Primary Bedding	Weak	348	N/A								0.474	-90.449584	52.723103	0.0025

Summary of Costs

Services and Materials

Category	Invoice Date	Invoice Number	Payee	Description	Amount
Transportation	6-Sep-18	6984	Wisk Air Helicopters	4.4 Flight Hrs.	$5,742.00
				Subtotal	$5,742.00
Assaying	15-Nov-18	A18-12314	Activation Laboratories Ltd.	UT-4 + Fire Assay 31 Samples	$1,116.00
				Subtotal	$1,116.00

Personnel

Category	Person	Rate/Day	Person-days	Description	Amount
Field Operations	Exploration Geologist	$600.00	5	Field Days Only	$3,000.00
	Field Assistant	$360.00	5	Field Days Only	$1,800.00
				Subtotal	$4,800.00
Data compilation and Interpretation	Exploration Geologist	$600.00	5	Days ahead of field season	$3,000.00
				Subtotal	$3,000.00
Reporting	Project Geologist	$750.00	2	salary	$1,500.00
				Subtotal	$1,500.00
Lodging	Goldcorp Personnel (2)	$80.00	10	Musselwhite Mine Camp	$800.00
	Wisk Air Personnel (2)	$80.00	10		$800.00
				Subtotal	$1,600.00
				Program Total	$17,758.00

North Caribou Greenstone Belt

Physiography and Vegetation

Very little topographic relief is present throughout the region. Dominant surficial conditions encountered throughout the North Caribou Green Stone belt are low bogs which are densely forested by black spruce trees rooted in a wet, moss covered, forest floor, moss-covered meadows which are typically dryer and dominantly vegetated by dense Labrador tea shrubs and sparse, small, black spruce trees. And by glacial fluvial landforms, mostly eskers, and terminal or lateral moraines, dominantly composed of a sand and boulder till. Abundance of outcropping bedrock is variable throughout the region depending on several conditions but dominantly ranges between 3-8%. Occurrences of outcropping bedrock have little to no relief and are typically disguised by a thick veneer of moss and/or lichen.

Location and Access

The North Caribou Greenstone Belt (NCGB) claim group encompasses the majority of the NCGB North and Northwest of Goldcorp Canada Ltd.'s legacy exploration claim group around Musselwhite Mine. The western edge of the claim group lies approximately 15km south of North Caribou Lake First Nation and the group extends approximately 50km to the east of the community. The Area lies approximately 550 km North of the City of Thunder Bay, Ontario

Figure 12. Location of the North Caribou Greenstone Belt claim group in the province of Ontario

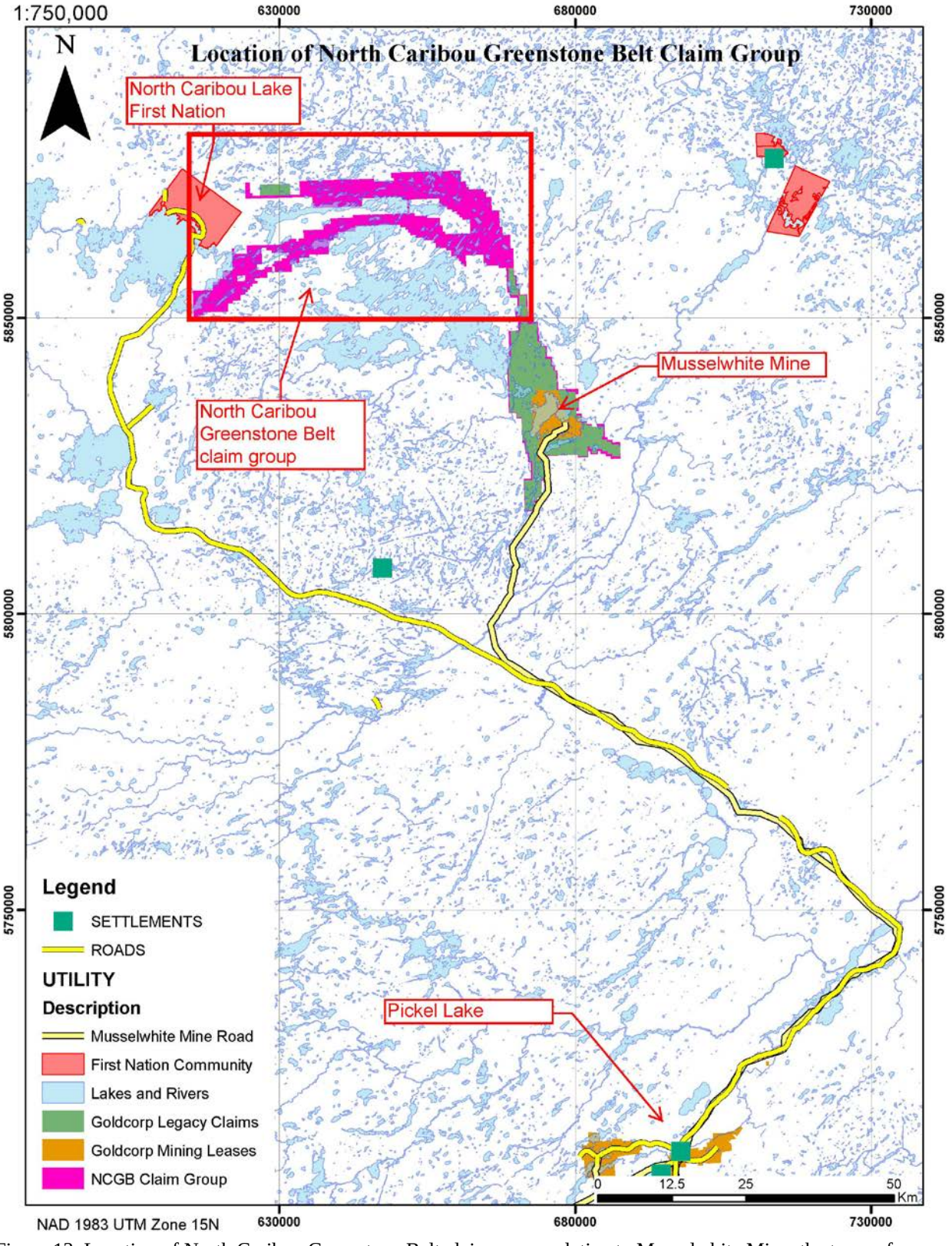


Figure 13. Location of North Caribou Greenstone Belt claim group relative to Musselwhite Mine, the town of Pickle Lake, and North Caribou Lake First Nation.

History and previous work

1938 – (Satterly 1941) First geological map of the North Caribou Greenstone Belt produced at a scale of 1 inch to 1 Mile (1:63360).

1960 – Geological survey of Canada conducted an airborne magnetometer survey of the North Caribou Greenstone Belt.

1962 – Economic gold mineralization was first identified on Musselwhite mining leases by the Musselwhite Brothers in

1979 - Reconnaissance geological surveys by Thurston, Sage and Siragusa

1981 – The Dome Exploration Ltd Consortium. commissioned Aerodat Ltd. to conduct an airborne magnetic and electromagnetic geophysical survey over the area surrounding the Musselwhite deposit.

Andrews, Sharpe and Janes (1981) undertook limited mapping and described the Musselwhite gold occurrence near Opapimiskan Lake.

1982 - The Forester Lake area, in the southeastern portion of the belt, examined by Sage and Breaks

The belt was also reexamined at a reconnaissance scale by R. Hall to complement detailed mapping of the Opapimiskan Lake area, as part of PhD research at Queen's University

1994 Placer dome flew DIGHEM airborne geophysical survey over the Erichsen Lake area

1996 - The Musselwhite Joint Venture partners made the decision to put the property into construction in.

2001 – Geology and mineralization described and mapped by Breaks at al.

2002 Placer Dome flew an airborne geophysical mag survey over the Northwestern part of the greenstone belt

2002 OGS Lake sediment sampling survey throughout the Eyapamikima Lake region.

Local Geology

The group of claims held by Goldcorp Canada Ltd. in the NCGB Claim group is underlain by four distinct supracrustal assemblages (Figure 1). The Schade Lake gneiss complex along the Northern and Eastern margins and the North Caribou Pluton along the Southern and Western margins are of little economic interest and have not been the focus of much exploration activity. The core of the claim group us underlain by the three dominant assemblages comprising the North Caribou Greenstone Belt; the North Rim and South Rim metavolcanic Assemblages and between them the Eyapamikima Metasedimentary assemblage. In the far

west, South of North Caribou Lake First Nation, the Northern margin of the lower arm of the claim group is underlain by the Aguata Arm Assemblage.

The South Rim Assemblage extends along the Southern and Western margins of the North Caribou Greenstone Belt from Randall Lake, South of Weagamow Lake, to Opapimiskan Lake (Figure 1). The assemblage is dominantly composed of pillowed and massive mafic metavolcanic flows with minor felsic to intermediate metavolcanic occurrences with subordinate ultramafic and metasedimentary components (Breaks et al, 2001). Metasedimentary components include silicate facies iron formations which are present at numerous locations within the assemblage throughout the greenstone belt.

The North Rim Assemblage is Occurs along the Northern and Western margins of the North Caribou Greenstone Belt from Weagamow Lake to Opapimiskan Lake (Figure 1). The assemblage is dominantly composed of pillowed and massive metavolcanic mafic flows. Locally ultramafic and felsic to intermediate flows are observable. There are notable metasedimentary components which include silicate-facies banded iron formations and undifferentiated clastic metasedimentary units. (Oswald 2018) Metasedimentary occurrences appear concentrated along the Southern and Eastern margin of the assemblage where it is in contact with the Eyapamikima Lake Metasedimentary assemblage.

The Agutua Arm assemblage is located at the western end of the northern NCGB. It comprises massive, fine-grained mafic volcanic flows, and rare pillowed flows. Frequently intermediate to felsic rocks are can be encountered between Weagamow (North Caribou) Lake and the and the East margin of the assemblage. The sequence is poorly understood relative to the rest of the NCGB due to a scarcity of bedrock exposure, but it is known to include thickly bedded pyroclastic rocks such as fragment-supported felsic tuff (Breaks et al., 2001).

The Eyapamikima Lake Metasedimentary Assemblage is a variable package of clastic metasedimentary rocks. The geometry of the assemblage is highly variable however in the project area it occurs as an East-West trending subvertical unit, 5-10km in width, bound between the North Rim Assemblage to the North, the South Rim assemblage to the South, and the Agutua Arm metavolcanic assemblage to the West. The width of the surface expression of the unit.

Belt scale shear zones are well documented throughout the both the North Rim and South Rim metavolcanic assemblages. These are referred to as the North Rim Fault (NRF) and the North Caribou River Fault (NCRF), respectively. These structures are steeply dipping,10’s to 100’s of meters in width and strike parallel to the strike of the host assemblage. Occurrences of anomalous precious and base metals are well documented along the length of both fault zones. generally, each structure extends from the westernmost edge of their host assemblages to the arcuate flexure in the NCGB, at the east end of the claim group, where the dominant orientation of the geology changes from East-West to North-South (Figure 1).

North Caribou Greenstone Belt – Reprocessing historical work.

Beginning in January 2018 a comprehensive campaign of research and data compilation was commenced. The objective of the work was to determine priorities for claim staking as well as plan exploration programs in anticipation of the expanded land package. The scope of this

work included the discovery and evaluation of all historical assessment files for work done within and proximal to the expanded land position. Historical work deemed to be of critical importance was digitized and georeferenced into a GIS data base. This work was completed at Musselwhite Mine by two staff geologists.

When this work was near completion, it was reviewed by a thinktank comprising Goldcorp's technical experts and Musselwhite Mine geologists. One of the corporate structural geologists made the most advances by re-interpreting previously completed airborne geophysics (by the OGS, Placer Dome, and Goldcorp) to identify structural/geological features on the 1:250,000 Scale Bedrock Geology of Ontario map provided by the OGS that was published in 2011. Figure 1 would provide an example of the base geology map. Figure 14 would be in the re-interpretation; a smaller scale version is provided in Appendix VII.

Main advances on the previous map are:

1. Lot more detail of folded geometry of northern and southern rim sequences, as shown by folded highly magnetic units (presumed to be iron formations, though this will have to be ground-truthed).
2. Continuity of shear zones traced from northern area through the N-S high strain segment towards the mine area where the geology is well-known. This has implications for correlating units/structures from the mine into the northern part of the belt.
3. Attempt to make better sense of the western area – reviewing all the information the best concept was found is that there are a series of east-vergent thrust slices which carry units with refolded fold geometries over the western part of the central basin. To test when working this ground.

The review of this work was successful in identifying 14 priority areas for follow up field work (Figure 15). Determining criteria considered historically significant results, geophysical anomalies, favorable geological geometries and favorable structural settings. The entire group of NCGB claims were subject to the efforts of this research project. A complete table of this group can be viewed in Appendix XI.

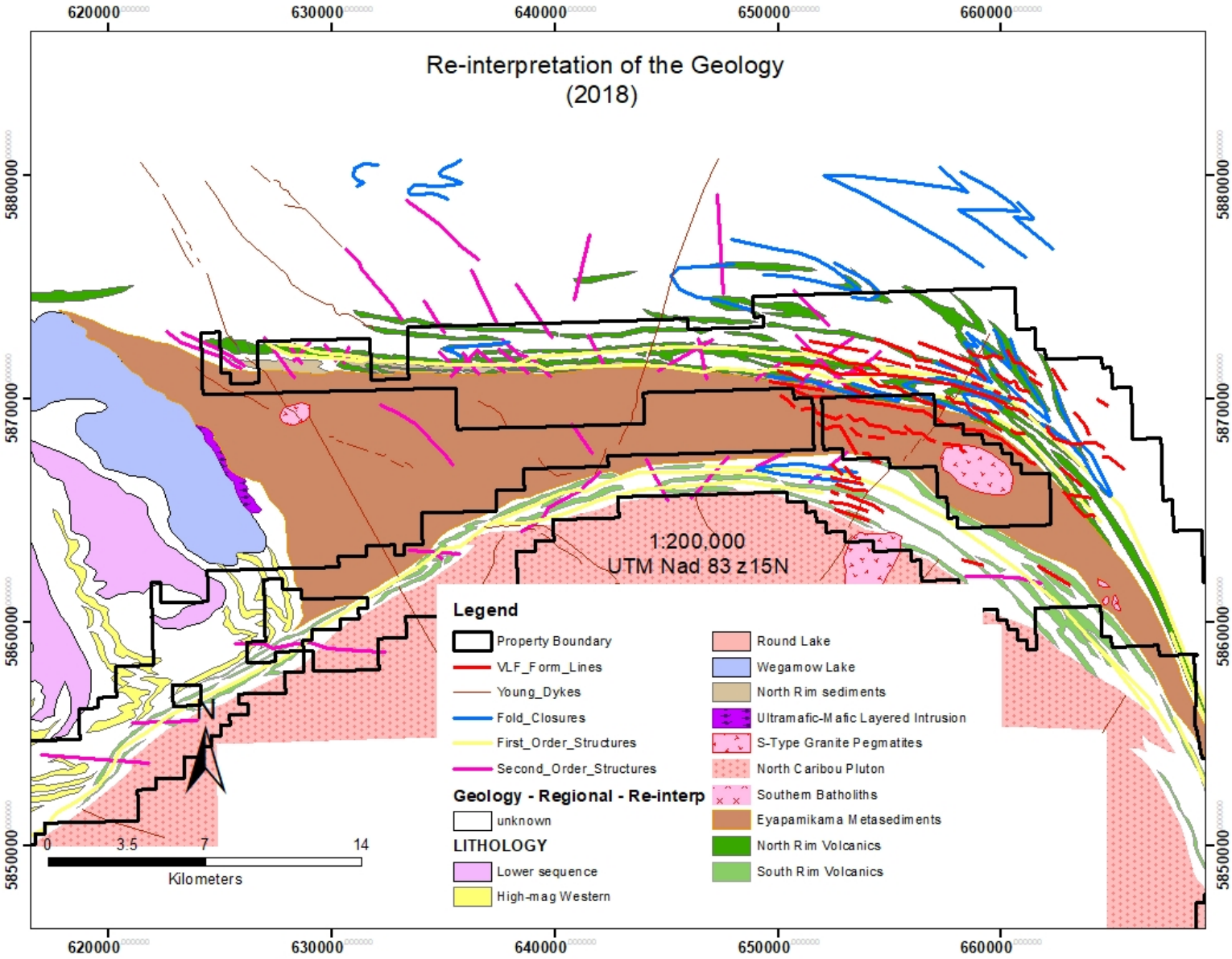


Figure 14. re-interpretation of geophysics and geology to provide further information regarding structures. See Appendix VI for detailed maps

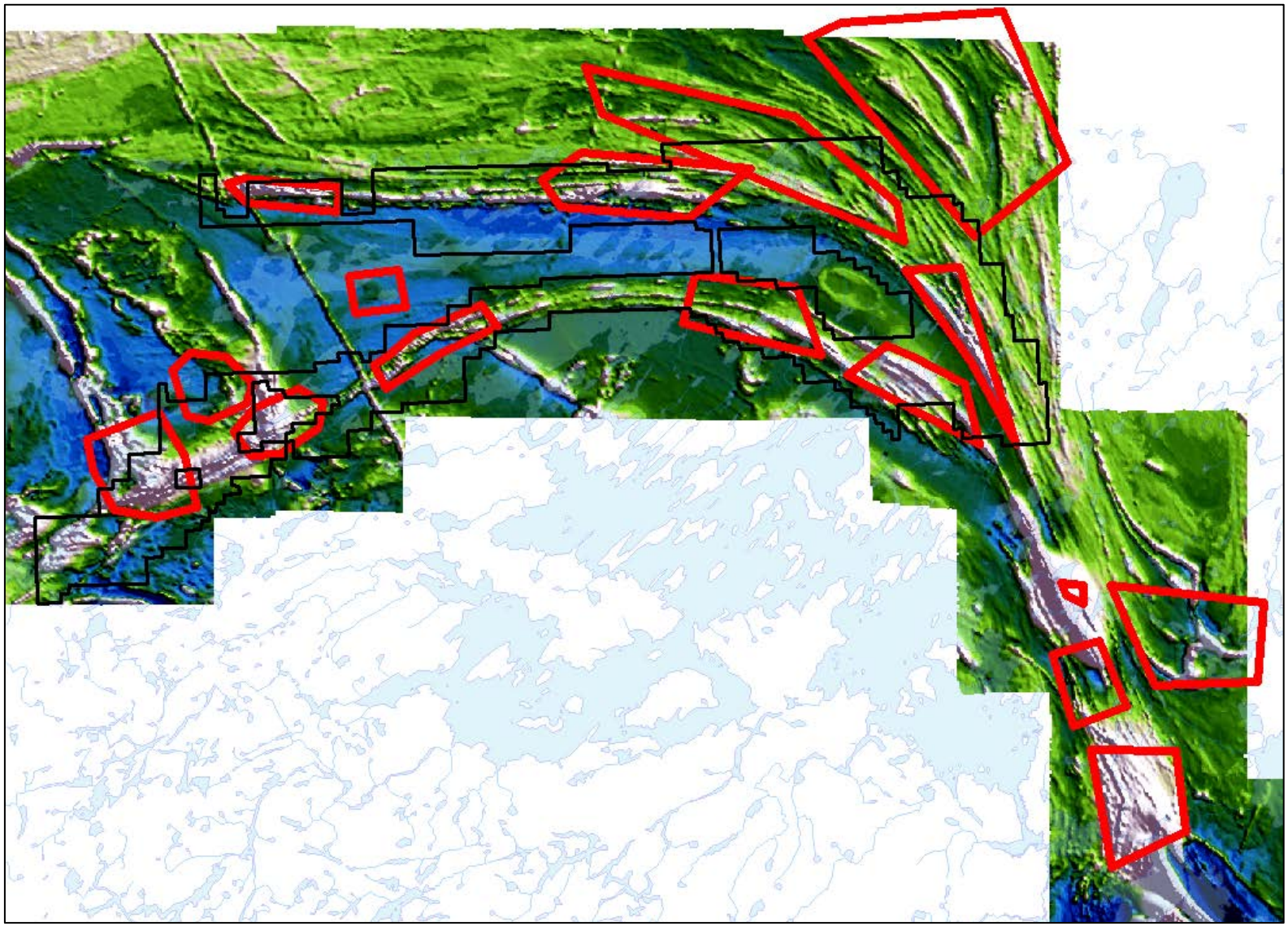


Figure 15: Priority areas for follow-up field work in 2018. Areas targeted as a result of compilation and re-interpretation of previous data.

Table of Claims

Table 5 Below lists all claims in the North Caribou Greenstone Belt claim group on which field exploration activities were conducted during the 2018 exploration program.

Claim Number	Cell Type	Claim Status	Date Issued	Date Due	Holder
506197	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506620	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507098	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507406	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508230	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509265	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507109	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509932	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507453	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507251	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506510	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507387	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509258	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506705	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506350	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507555	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507463	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507578	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507449	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509084	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507535	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506109	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508106	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507548	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506336	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509061	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507102	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508141	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506524	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507570	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508222	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507414	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506175	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507445	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505573	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508057	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510142	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507104	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506192	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507091	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508108	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507262	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

508109	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506374	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508130	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507389	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506366	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507473	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506634	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505748	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507447	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508065	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508198	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509336	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509302	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508195	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508069	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505765	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507960	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506186	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506548	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508220	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508229	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507112	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509308	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506174	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505764	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507790	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507110	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506549	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509728	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509689	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506127	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507096	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507462	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507386	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507797	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507955	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508039	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507105	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507418	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508212	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508047	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506116	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508232	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507106	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506525	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507115	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506124	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506635	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506188	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507408	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

508571	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508201	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508223	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508070	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507101	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508124	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508584	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508917	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507097	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507120	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508904	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507415	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508206	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508036	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509259	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507411	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508916	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509926	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506509	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508218	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508205	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507469	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507117	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506200	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508215	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508035	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507812	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506540	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509374	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507792	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507466	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506099	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506727	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508236	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509234	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507471	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507769	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506547	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507773	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508233	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508202	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506528	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505545	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508305	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506630	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506367	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506518	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

Description of Program

Prospecting activities were undertaken by Musselwhite Mine geologists Stephen Miller and David Murray with various summer students and geological technicians serving as field assistants. Typically, one team composed of one geologist and one field assistant were conducting field activities per day. field actives were conducted over 40 days between June 1st to September 30th, 2018. The remoteness of the project area required the employment of a Bell 204 helicopter for the transportation of field crews. Helicopter transportation services were provided by Wisk Air Helicopters of Thunder Bay, Ontario.

Standard procedure was to sample and describe all occurrences of outcropping bedrock encountered. Rock samples were shipped to Activation Laboratories Ltd. in Dryden, Ontario for whole rock analysis by 4 acid ICP-MS and analysis for gold by fire assay. Reference samples of all rocks interpreted to be potentially metalliferous were retained for additional study.

Samples were collected using a standard geological rock hammers or small sledge hammers. A short-handled spade or grub hoe were often used to uncover poorly exposed outcrops by removing moss or digging out the margins of the exposure.

The staging area for all field activities was Goldcorp Canada Ltd's Musselwhite Mine. All personnel involved were lodged at the mine camp.

Throughout the program three days were spent traversing and sampling in areas immediately adjacent to the NCGB claim group. It was necessary to examine the adjacent geological units and their contacts to create a comprehensive understanding of the geology within the claim group and maximize the effectiveness of our exploration planning.

Additionally, a biogeochemical orientation survey was conducted across a location along the North Caribou River Fault proximal to historical gold mineralization in bedrock. The purpose of this small orientation survey was to test the viability of this method as a large-scale geochemical exploration tool.

The survey was planned in two phases, a "shotgun style" high density sampling program in the immediate vicinity of the known bedrock mineralization to identify the geochemical signature of auriferous bedrock. Phase two consisted of two parallel lines across the South Rim metavolcanic assemblage perpendicular to the mineralized trend and the North Caribou River Fault. The sample media for both phases was labrador tea stems, chosen for its ubiquitous occurrences and demonstrated success by others. Samples along the parallel survey lines were collected at an approximate spacing of 30m, dependent on plant availability. For a subset of the samples both stems and leaves of the plants were analyzed for comparison. Figure 14 below displays the distribution of samples collected and media analyzed as well as their proximity to bedrock samples containing anomalous gold assay values.

Samples were collected by clipping the plant of at ground level with a standard pair of garden shears. Each sample consisted of a bundle of twigs approximately 5 inches long and 4 inches in diameter. Each sample was stored in a breathable cloth bag and marked with a unique sample ID. Samples were shipped to ALS Canada Ltd in Vancouver British Columbia for chemical analysis. Preparation involved separation of the leaves and stems, and ashing of the selected media in a low temperature kiln for 24 hours. The resulting ashes undergo an acid digestion and ICP-MS analysis as well as fire assay. the raw data is leveled to the dry weight of samples prior to ashing.

Laboratory oversight and reference samples were provided by Colin Dunn of Colin Dunn Consulting.

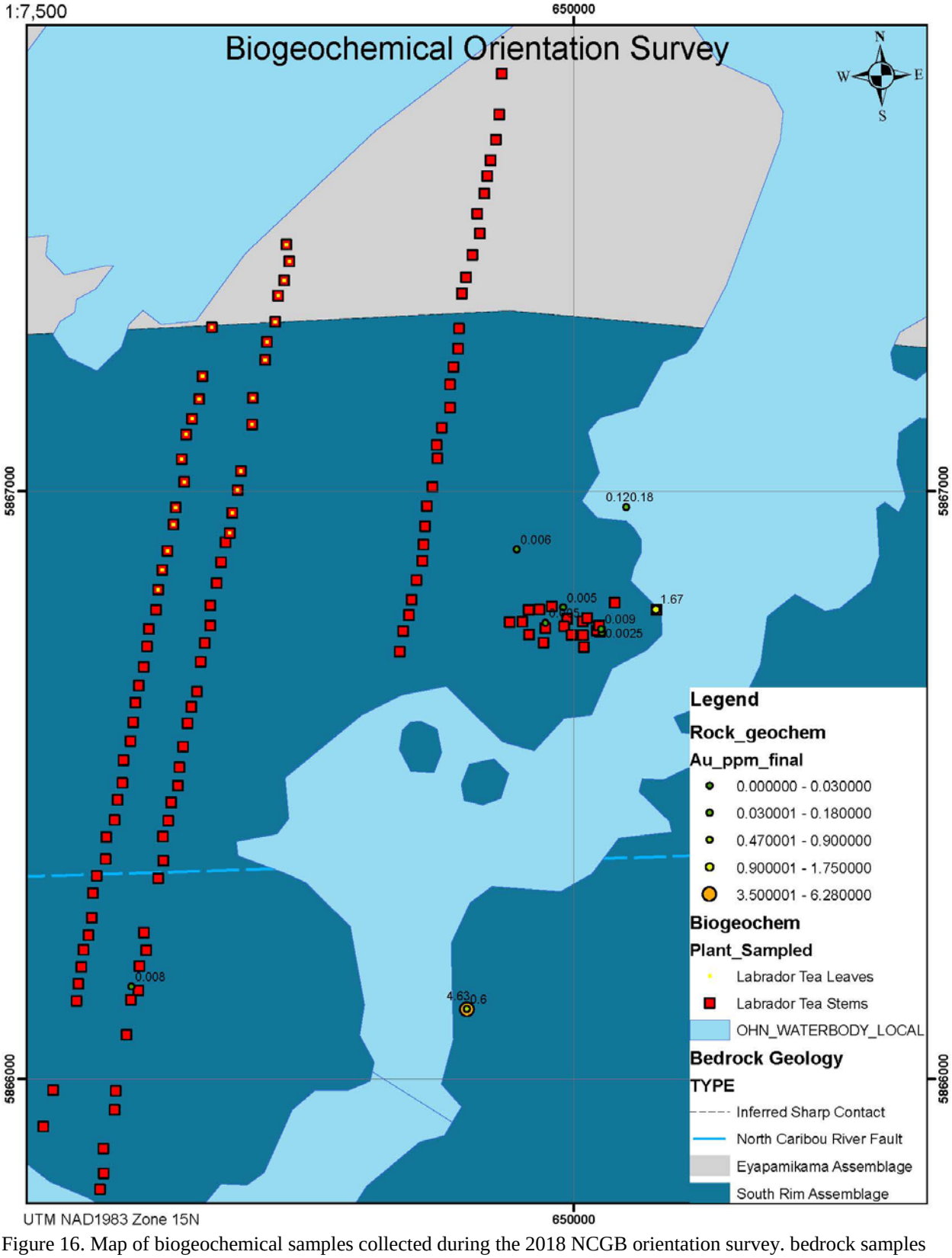


Figure 16. Map of biogeochemical samples collected during the 2018 NCGB orientation survey. bedrock samples in the area are labelled by G/mt Au. biogeochemical samples are expressed by type of media sampled.

Results and Conclusions

As one can observe in Figure 17 below. The labrador tea biogeochemical samples collected ultimately failed to indicate any geochemical signature of the known bedrock mineralization. Additionally, there is only a single sample which returned anomalous gold values, the significance of which is difficult to determine without a comparative geochemical signature over known bedrock mineralization.

207 Lithogeochemical bedrock samples were collected from within or adjacent to the NCGB claim group. Table 6 below contains the locations of these samples in Latitude Longitude decimal degrees as well as field observations of each bedrock exposure and fire assay values for gold. A complete table of whole rock ICP-MS Data for each sample can be observed in Appendix IX. Additionally, Appendix VIII contains maps of sample locations as well as traverses.

An examination of Table 6 reveals six sample containing notable grades of gold. These samples will be discussed in detail below and are depicted in figure 16.

E885508 - 2.38g/t: The material sampled is described as a fine grained, porphyroblastic, biotite garnet schist. Moderate compositional banding is interpreted to represent primary sedimentary bedding. On the outcrop scale there are intercalated beds of conglomerate. Localized veins included in the sample are parallel to compositional banding and contains a 5-10% modal abundance of arsenopyrite. This sample comes from an area of the North Rim assemblage where referred to as McGruer Lake which has been extensively explored since the 1960's. Historically high-grade Au Assays were obtained from grab and channel samples of arsenopyrite bearing quartz veins in banded iron formation.

It is significant that the sample collected from the 2018 exploration program occurred in veins of similar composition the those which were the focus of historical exploration but in a different lithological host. This occurrence creates the need for new considerations on the controls of historical mineralization and expands the economic potential of the area beyond the limited occurrences of banded iron formation.

E886103 – 0.396g/t, E886104 – 2.24g/t, E886105 – 0.701g/t: These samples were collected from adjacent to historical channel samples through a massive 10-30 cm wide quartz vein. The vein is hosted in an intensely sheared mafic metavolcanic unit. The vein mass is described as grey to white and weakly translucent. There is pervasive red hematite staining throughout. The vein contains fine grained oxidized pyrite small modal abundances and Trace chalcopyrite. The historical channels assayed up to 2.0g/t. these samples are located in the South Rim metavolcanic assemblage within the North Caribou River Fault.

These results are significant not only because it confirms the historical anomaly, but because this vein is mineralogically and structurally identical to other veins with above background gold values observed over a 10km strike length along the North Caribou River Fault. These mineralogically identical, auriferous, vein sets over such a great strike length along the fault potentially indicate that a very large belt scale mineralizing system may exist.

E885754 – 1.67g/t: This sample is described as Intensely silicified chemical-clastic metasedimentary rock. Melanocratic grey-brown, very fine grained. Appears to be abundant chert banding. Fine to medium grained pyrite in clastic beds. This rock is strongly strained with a well-developed shear fabric striking 110 degrees with a subvertical dip. This outcrop is located near the easternmost known extents of the North Caribou River Fault. It is believed that this shear fabric is sympathetic to the fault zone. Additional sampling of this horizon has taken place during historical exploration activities with lower but consistently anomalous values. The biogeochemical orientation survey described above was planned with this sample in consideration (Figure 17)

E885533 - 0.396g/t: Assay returned from a quartz vein hosted within a sheared contact between schistose clastic metasedimentary unit of amphibolite grade and a foliated unit interpreted to be an intermediate tuff. The tuff is characterized as having 1-2mm lapilli in an aphanitic groundmass. This sample was collected from an area of known mineralization and historical exploration referred to as Stanley Lake. This area lies along the central part of the North Rim Fault between Arseno Lake to the West (discussed in earlier sections) and McGruer Lake to the East.

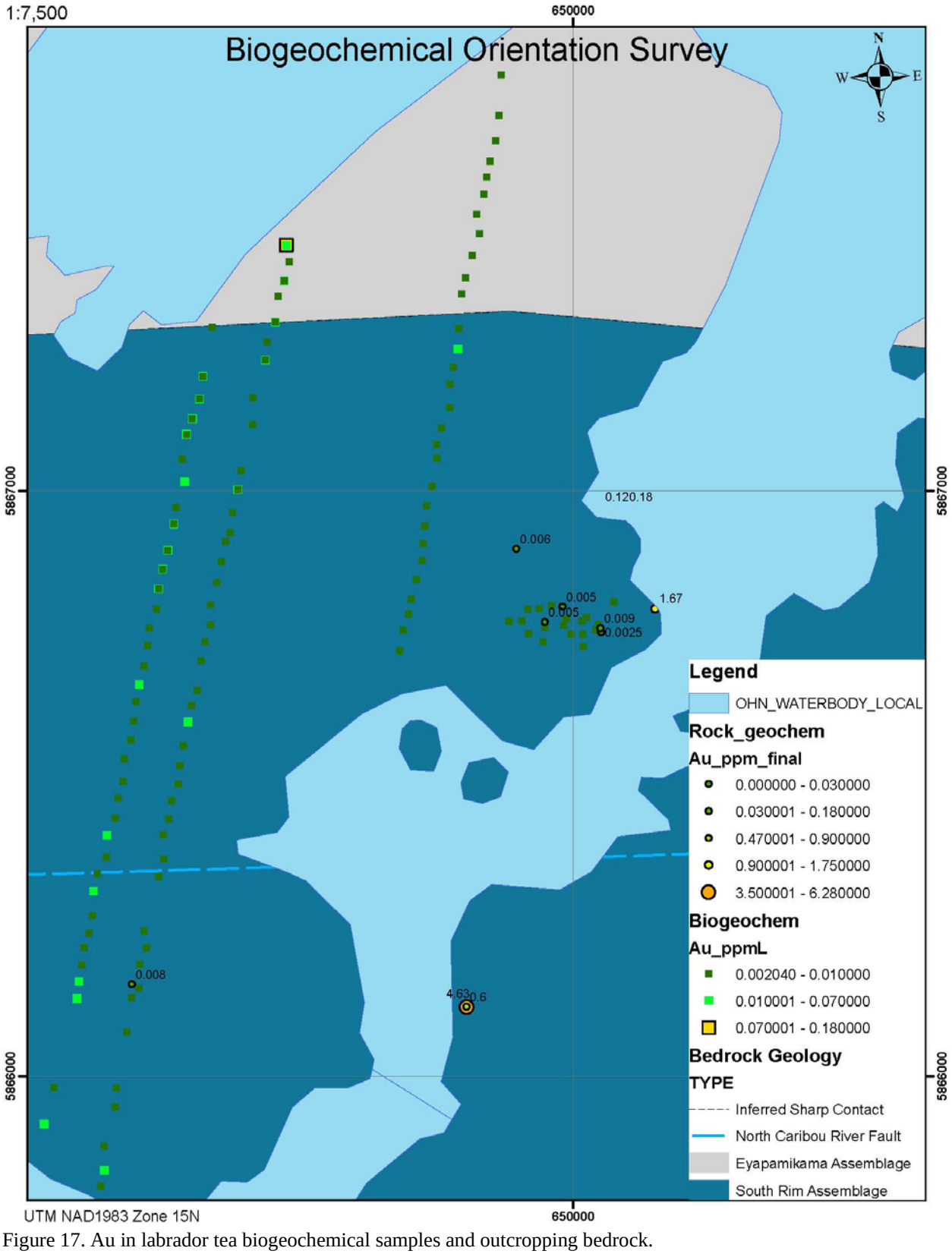


Figure 17. Au in labrador tea biogeochemical samples and outcropping bedrock.

Recommendations

Nearly all notable precious metal assays obtained through the 2018 exploration of the NCGB claim group as well as the Arseno Lake claim group occur along the North Rim Fault A.K.A. Active Zone or the North Caribou River Fault. It is also worth noting that these occurrences are present over significant strike lengths of both structures. The presence of anomalous metal values over 10's of kilometers along both structures may indicate that one or more large mineralizing systems exist. For these reasons it is recommended that these two structures be the focus of future exploration efforts.

Given the limited exposure of outcropping bedrock in the region two initial phases of exploration along these structures is recommended. Firstly, a campaign of high-resolution bedrock and surficial geology mapping should be undertaken over each structure along the strike length of each structure known to contain anomalous metal occurrences. This program should include geochemical and petrophysical analysis of all outcropping bedrock encountered.

Phase 2 involves methods to explore areas of these structures which are hidden under cover. This may involve geochemical methods, geophysical methods or both however, the exploration should be chosen through careful and expert analysis of the surficial geology and petrophysical data collected in phase 1. A comprehensive understanding if surficial sample media is critical in the appropriate selection of geochemical exploration methods. Therefore, without comprehensive mapping he author is not willing to recommend a specific method at this time. Similarly, there is a poor understanding of the petrophysical characteristics of the mineralization of interest as well as the geological units in this region. Therefore, the response of these units to individual geophysical exploration methods cannot be precisely anticipated. A petrophysical characterization of the metalliferous rocks will aid in refining which, if any, geophysical methods are likely to offer the greatest opportunity for successful detection of metal bearing rocks under cover.

Lastly, it is not recommended that biogeochemical sampling of labrador tea be any further pursued as an exploration tool in the North Caribou Greenstone belt claim group. It is considered probably that the limited distribution of the plants root system and relatively short lifespan contributed to the failures. It is the opinion of the author that biogeochemical sampling of vegetation still has potential to be a useful tool; more surveys of different plant materials should be undertaken. It would be prudent to conduct these surveys over the largest and most well delineated bedrock anomalies available.

Table 5. Table of Lithogeochemical Samples Collected from the NCGB Claim group. Locations are reported in Longitude and Latitude decimal degrees.

Date	Sample ID	Claim Number	Geologist	Rock Type	Veining Assemblage	Vein Type	Vein Azimuth	Vein Dip	Fabric	Fabric Intensity	Fabric Azimuth	Fabric Dip	Fault	Fault Intensity	Fault Azimuth	Fault Dip	Magnetic Susceptibility	x	y	Au g mt
6/14/2018	E881963	507463	D.Murray	Mafic Metavolcanic	Quartz				Foliation	Moderate	95	85					0.491	-90.981241	52.98006357	0.0025
6/22/2018	E885501	507548	S.Miller	Clastic Metasediment					Foliation	Moderate	280	80					0.133	-90.7476445	52.96257053	0.0025
6/22/2018	E885502	507548	S.Miller	Amphibolite													0.54	-90.74643682	52.96267365	0.011
6/22/2018	E885503	507548	S.Miller	Clastic Metasediment					Foliation	Moderate	276	78					0.068	-90.74592147	52.96304933	0.005
6/22/2018	E885504	507548	S.Miller	Gabbro													0.474	-90.74588732	52.96314482	0.0025
6/22/2018	E885505	507548	S.Miller	Argillite	Quartz	Planar	280		Cleavage	Moderate	280						0.333	-90.74475638	52.96318557	0.016
6/22/2018	E885506	507548	S.Miller	Quartz Vein	Quartz	Planar	286										0.007	-90.7447571	52.96317017	0.0025
6/22/2018	E885507	507548	S.Miller	Clastic Metasediment	Quartz	Planar	280		Primary Bedding	Moderate	280						0.24	-90.74834905	52.96583807	0.05
6/22/2018	E885508	507548	S.Miller	Garnet Biotite Schist	Quartz	Flooding	100	80	Primary Bedding	Moderate	100	80					0.188	-90.74884958	52.96612457	2.38
6/22/2018	E885509	507535	S.Miller	Graphitic Iron Formation					Primary Bedding	Moderate	120	80					0.389	-90.7518309	52.96551132	0.011
6/22/2018	E885511	507535	S.Miller	Clastic Metasediment					Foliation	Moderate	100	78					0.451	-90.75184558	52.96553143	0.007
6/22/2018	E885512	507535	S.Miller	Chert Magnetite BIF					Primary Bedding	Moderate	92	85					109	-90.75157088	52.965264	0.0025
6/22/2018	E885513	507535	S.Miller	Clastic Metasediment					Foliation	Moderate	92	85					0.325	-90.75160857	52.9652132	0.0025
6/23/2018	E885514		S.Miller	Gabbro									Shear Zone	Moderate	290		0.348	-90.75833245	52.96239112	0.021
6/24/2018	E885515	508124	S.Miller	Amphibolite	Quartz	Planar	274	85	Foliation	Intense	274	85					0.706	-90.8270763	52.98134933	0.0025
6/24/2018	E885516	508124	S.Miller	Mafic Metavolcanic	Quartz	Massive	280		Foliation	Moderate	275		Shear Zone	Moderate	280		0.381	-90.8262291	52.98068822	0.0025
6/24/2018	E885517	508124	S.Miller	Quartz Vein	Quartz	Massive	280										0.017	-90.82631278	52.98070178	0.0025
6/24/2018	E885518	508124	S.Miller	Mafic Metavolcanic	Quartz	Massive	90		Foliation	Intense	97	82					0.836	-90.82657198	52.98048582	0.006
6/24/2018	E885519	508124	S.Miller	Mafic Metavolcanic					Foliation	Moderate	96						0.515	-90.82579648	52.98086692	0.0025
6/24/2018	E885521	508232	S.Miller	Gabbro					Foliation	Weak	110						0.362	-90.82122712	52.97622208	0.0025
6/25/2018	E885522	508109	S.Miller	Argillite					Foliation	Intense	296	80	Shear Zone	Moderate	296	80	0.391	-90.82628463	52.9711773	0.006
6/25/2018	E885523	508109	S.Miller	Argillite					Primary Bedding	Intense	296	80	Shear Zone	Intense	296	80	0.441	-90.8262569	52.97119172	0.008
6/25/2018	E885524	508109	S.Miller	Chert Magnetite BIF	Quartz	Planar			Primary Bedding	Moderate	265	79	Shear Zone	Moderate	265	80	612	-90.82602488	52.97147945	0.005
6/25/2018	E885525	508109	S.Miller	Garnet Amphibole IF	Quartz	Planar	98		Primary Bedding	Moderate	98						0.318	-90.8260109	52.97140722	0.0025
6/25/2018	E885526	508109	S.Miller	Garnet Amphibole IF					Foliation	Intense	265	79	Shear Zone	Intense	265	79	0.35	-90.8259697	52.97144092	0.0025
6/25/2018	E885527	508236	S.Miller	Chert Magnetite BIF					Primary Bedding	Moderate	100						26.1	-90.82488535	52.97132647	0.0025
6/25/2018	E885528	508236	S.Miller	Clastic Metasediment					Primary Bedding	Moderate	100	80					0.131	-90.82492968	52.9713267	0.0025
6/25/2018	E885529	508236	S.Miller	Clastic Metasediment					Foliation	Moderate	130						0.455	-90.82437575	52.97143653	0.0025
6/25/2018	E885531	508236	S.Miller	Chert Magnetite BIF					Primary Bedding	Moderate	85	85					664	-90.82334433	52.97131838	0.0025
6/25/2018	E885532	508236	S.Miller	Clastic Metasediment					Foliation	Intense	85	85					0.545	-90.82343687	52.97128578	0.0025
6/25/2018	E885533	508236	S.Miller	Quartz Vein	Quartz	Flooding	258	82	Foliation	Moderate	258	82	Shear Zone	Moderate	258	82	0.2	-90.82471307	52.97205552	0.396
6/26/2018	E885534	508109	S.Miller	Chert					Primary Bedding	Moderate	284	82		Weak	284		0.759	-90.8275107	52.97200845	0.0025
6/26/2018	E885535	508109	S.Miller	Clastic Metasediment					Foliation	Intense	284	84	Shear Zone	Moderate	284	84	0.337	-90.82743727	52.97201278	0.0025
6/26/2018	E885536	508108	S.Miller	Clastic Metasediment					Foliation	Moderate	276	72					0.325	-90.8278508	52.9701722	0.005
6/26/2018	E885537	508109	S.Miller	Actinolite Schist					Primary Bedding	Moderate	266	70					0.61	-90.82872605	52.97167625	0.01
6/26/2018	E885538	508109	S.Miller	Clastic Metasediment	Quartz	Flooding	268	78	Foliation	Moderate	268	78					0.209	-90.82873642	52.971634	0.0025
6/26/2018	E885539	508109	S.Miller	Clastic Metasediment					Foliation	Moderate	280	88					0.28	-90.82930692	52.97190252	0.0025
6/26/2018	E885541	508106	S.Miller	Clastic Metasediment		Flooding			Foliation	Moderate	100	74					0.358	-90.83657772	52.97425792	0.0025
6/26/2018	E885542	508109	S.Miller	Gabbro	Quartz	Flooding			Foliation	Moderate	110	80	Shear Zone	Moderate	110	80	0.323	-90.83003155	52.97352053	0.0025
6/27/2018	E885543	508205	S.Miller	Mafic Metavolcanic	Quartz	Flooding	96	84	Foliation	Moderate	112	78	Shear Zone	Moderate	96	84	1	-90.80119193	52.98065165	0.0025
6/27/2018	E885544	508198	S.Miller	Mafic Metavolcanic	Quartz	Planar	104	82	Foliation	Weak	104	82					1.2	-90.7956673	52.98118842	0.0025
6/28/2018	E885545	508233	S.Miller	Clastic Metasediment	Quartz	Planar	260	82	Primary Bedding	Moderate	260	82					0.446	-90.79859442	52.97183008	0.017
6/28/2018	E885546	508202	S.Miller	Mafic Metavolcanic					Foliation	Moderate	278	86	Shear Zone	Moderate	278	86	0.686	-90.80021853	52.97144327	0.0025
6/28/2018	E885547	508202	S.Miller	Clastic Metasediment	Quartz-Feldspar	Planar	258	80	Primary Bedding	Weak	258	80					0.416	-90.8004095	52.97133103	0.007

6/28/2018	E885548	508202	S.Miller	Clastic Metasediment					Primary Bedding	Moderate	276	78					0.432	-90.80044023	52.97132512	0.0025
6/28/2018	E885549	508202	S.Miller	Mafic Metavolcanic	Quartz	Planar	286	88	Foliation	Moderate	286	88					0.465	-90.80082185	52.9712501	0.0025
6/29/2018	E885551	508202	S.Miller	Gabbro					Foliation	Weak	276	89					47.1	-90.80508135	52.97365708	0.0025
6/29/2018	E885552	508222	S.Miller	Clastic Metasediment	Quartz	Stringer			Foliation	Weak	182						0.045	-90.80405728	52.9696136	0.0025
6/29/2018	E885553	508195	S.Miller	Garnet Amphibole IF					Primary Bedding	Moderate	96	84					0.39	-90.80820217	52.97144243	0.0025
6/29/2018	E885554	508195	S.Miller	Clastic Metasediment					Foliation	Moderate	92	88					0.432	-90.80852785	52.97142557	0.0025
6/29/2018	E885555	508195	S.Miller	Chert Magnetite BIF					Primary Bedding	Moderate	130	88					24.1	-90.80925345	52.97149008	0.0025
6/29/2018	E885556	508195	S.Miller	Garnet Amphibole IF					Primary Bedding	Moderate	120	88					1.31	-90.8092097	52.9714712	0.0025
6/29/2018	E885557	508195	S.Miller	Clastic Metasediment					Foliation	Moderate	120	88					0.384	-90.80920527	52.97149567	0.0025
6/29/2018	E885558	508195	S.Miller	Chert Magnetite BIF					Primary Bedding	Moderate	88	88					31.2	-90.81043222	52.97156378	0.0025
6/29/2018	E885559	508195	S.Miller	Garnet Grunerite BIF					Primary Bedding	Moderate	88	88					13.6	-90.81044427	52.9716011	0.0025
6/30/2018	E885561	508195	S.Miller	Clast Supported Conglomerate	Quartz	Planar			Foliation	Moderate	264	78					0.236	-90.81045128	52.97132578	0.038
6/30/2018	E885562	508195	S.Miller	Chert Magnetite BIF					Primary Bedding	Moderate	96	88					117	-90.81085233	52.97156087	0.015
6/30/2018	E885563	508195	S.Miller	Clastic Metasediment	Quartz	Flooding	95		Primary Bedding	Moderate	80	80					0.289	-90.8108934	52.9715303	0.0025
6/30/2018	E885564	508195	S.Miller	Chert Magnetite BIF					Primary Bedding	Moderate	102	86					83	-90.81113668	52.97156832	0.058
6/30/2018	E885565	508195	S.Miller	Garnet Amphibole IF					Primary Bedding	Moderate	90	86					1.33	-90.81198795	52.9716988	0.005
6/30/2018	E885566	508195	S.Miller	Chert Magnetite BIF					Primary Bedding	Moderate	90	86					251	-90.81196117	52.9717177	0.0025
6/30/2018	E885567	508195	S.Miller	Garnet Amphibole IF					Foliation	Moderate	90	86					0.566	-90.81196525	52.97170953	0.0025
6/30/2018	E885568	508195	S.Miller	Chert Magnetite BIF					Primary Bedding	Moderate	90	86					2.08	-90.81194192	52.9716711	0.014
7/22/2018	E885569	506757	S.Miller	Mafic Metavolcanic					Primary Bedding	Weak	118	68					0.841	-90.5909937	52.88890348	0.01
7/22/2018	E885571	506757	S.Miller	Amphibolite					Foliation	Moderate	124	76					0.454	-90.59152213	52.88919833	0.007
7/23/2018	E885572	507406	S.Miller	Mafic Metavolcanic	Quartz	Planar	124	76	Foliation	Moderate	124	76	Shear Zone	Weak	124	76	0.607	-90.57731515	52.88444028	0.0025
7/23/2018	E885573	507406	S.Miller	Mafic Metavolcanic	Quartz	Flooding	102		Foliation	Moderate	136	76					0.623	-90.57692848	52.8843855	0.0025
7/23/2018	E885574	507406	S.Miller	Quartz Vein	Quartz	Massive	138										0.006	-90.57657955	52.88429095	0.0025
7/23/2018	E885575	507406	S.Miller	Mafic Metavolcanic					Foliation	Weak	98	30					0.444	-90.5763055	52.88416138	0.0025
7/23/2018	E885576	507406	S.Miller	Mafic Metavolcanic					Foliation	Intense	134	68					0.278	-90.58029932	52.88400247	0.0025
7/23/2018	E885577	507406	S.Miller	Mafic Metavolcanic	Quartz	Planar	136	72	Foliation	Moderate	136	72					0.429	-90.57714282	52.88395868	0.0025
7/24/2018	E885578	505573	S.Miller	Mafic Metavolcanic	Quartz	Planar	144	60	Foliation	Moderate	144	60					0.733	-90.56905737	52.8783211	0.0025
7/24/2018	E885579	505573	S.Miller	Mafic Metavolcanic	Quartz	Crack-Sea	166		Foliation	Moderate	144	68					0.363	-90.56911152	52.87848495	0.0025
7/24/2018	E885581	505573	S.Miller	Clastic Metasediment	Quartz	Planar	148		Foliation	Moderate	148						0.628	-90.56934857	52.87873072	0.006
7/24/2018	E885582	505573	S.Miller	Mafic Metavolcanic					Foliation	Moderate	144	66					0.352	-90.56961628	52.87895477	0.0025
7/24/2018	E885583	505573	S.Miller	Clastic Metasediment					Foliation	Moderate	141						0.375	-90.57007422	52.87895225	0.0025
7/24/2018	E885584	505573	S.Miller	Mafic Metavolcanic					Foliation	Moderate	142	78					1.16	-90.57053207	52.8790257	0.005
7/24/2018	E885585	507414	S.Miller	Clastic Metasediment					Foliation	Moderate	126	68					0.307	-90.57080727	52.87927179	0.0025
7/24/2018	E885586	507414	S.Miller	Mafic Dyke					Foliation	Moderate	126						0.55	-90.57081267	52.8797541	0.005
7/24/2018	E885587	507414	S.Miller	Mafic Metavolcanic	Quartz	Planar	132	70	Foliation	Moderate	132	70					0.952	-90.57058923	52.88008125	0.005
7/24/2018	E885588	507414	S.Miller	Mafic Metavolcanic					Foliation	Moderate	128						0.661	-90.57128983	52.88036372	0.0025
7/24/2018	E885589	507414	S.Miller	Mafic Metavolcanic					Foliation	Weak	144						1.11	-90.57006055	52.87997977	0.0025
7/24/2018	E885591	507414	S.Miller	Mafic Metavolcanic					Foliation	Moderate	138						0.084	-90.56900005	52.88007352	0.0025
7/24/2018	E885592	507389	S.Miller	Mafic Metavolcanic					Foliation	Moderate	141						0.626	-90.56872988	52.87970885	0.0025
7/24/2018	E885593	507414	S.Miller	Gabbro						Weak	106						0.649	-90.56885595	52.8792138	0.0025
7/26/2018	E885594	508069	S.Miller	Garnet Amphibole IF					Primary Bedding	Moderate	144	78					0.317	-90.55879213	52.93145053	0.0025
7/26/2018	E885596	508069	S.Miller	Mafic Metavolcanic	Quartz-carbonate	Planar	176		Foliation	Intense	176						0.458	-90.55877663	52.9314706	0.0025
7/26/2018	E885597	508069	S.Miller	Garnet Amphibole IF	Quartz	Flooding	140		Primary Bedding	Moderate	140						3.48	-90.55825358	52.9311939	0.0025
7/26/2018	E885598	508069	S.Miller	Garnet Amphibole IF	Quartz	Flooding	140		Primary Bedding	Moderate	140						13.4	-90.55832528	52.93122342	0.0025
7/26/2018	E885599	508039	S.Miller	Graphitic Iron Formation					Primary Bedding	Moderate	156						0.388	-90.55914387	52.92897148	0.0025
6/14/2018	E885632	507447	D.Murray	Mafic Metavolcanic					Foliation	Intense	110	90					1.03	-91.00690062	52.97713118	0.012
6/14/2018	E885633	507473	D.Murray	Gabbro													0.701	-91.00529218	52.97915763	0.005
6/14/2018	E885634	507471	D.Murray	Mafic Metavolcanic									Shear Zone	Moderate	275	88	0.342	-90.98329527	52.97871343	0.0025
6/14/2018	E885635	507462	D.Murray	Gabbro													0.693	-90.98222215	52.97917433	0.017

6/17/2018	E885636	507262	D.Murray	Pyroclastic Breccia					Foliation	Intense	271	85					0.4	-90.97295747	52.97664317	0.03
6/17/2018	E885637	507262	D.Murray	Chert Magnetite BIF					Primary Bedding	Moderate	271	80					46.2	-90.97297903	52.9766713	0.0025
6/17/2018	E885638	507262	D.Murray	Quartz Vein					Foliation	Intense	91	85					3.49	-90.9729493	52.97668327	0.029
6/17/2018	E885639	507262	D.Murray	Mafic Dyke													0.298	-90.97280738	52.97714518	0.006
6/17/2018	E885641	507262	D.Murray	Mafic Metavolcanic					Foliation	Moderate	75	85					1.4	-90.97275135	52.97710123	0.006
6/17/2018	E885642	507262	D.Murray	Quartz Vein		Planar	88	85									2.52	-90.9742827	52.97663807	0.026
6/17/2018	E885643	507262	D.Murray	Mafic Metavolcanic					Foliation	Intense	89	85					4.11	-90.97427588	52.97664673	0.017
6/17/2018	E885644	507262	D.Murray	Mafic Metavolcanic					Foliation	Moderate	84	85					0.58	-90.97482208	52.97635553	0.0025
6/17/2018	E885645	507499	D.Murray	Pyroclastic Breccia					Foliation	Moderate	265	80					0.098	-90.97608503	52.97593782	0.028
7/19/2018	E885646	506509	S.Miller	Clastic Metasediment					Foliation	Weak	102	82					0.334	-90.71910593	52.9222141	0.005
7/19/2018	E885647	506547	S.Miller	Mafic Metavolcanic					Cleavage	Intense	108	78					0.533	-90.71807033	52.91732312	0.005
7/22/2018	E885648	506727	S.Miller	Mafic Metavolcanic					Foliation	Moderate	120	72	Shear Zone	Weak	120	72	0.557	-90.58891677	52.88837908	0.006
7/22/2018	E885649	506727	S.Miller	Mafic Metavolcanic	Quartz	Flooding	144		Foliation	Moderate	124	68	Knife	Weak	228		0.723	-90.58922807	52.88836558	0.0025
7/10/2018	E885751	509308	D.Murray	Gabbro	Quartz	Planar											0.365	-90.77982015	52.924303	0.008
7/11/2018	E885752	506336	D.Murray	Mafic Metavolcanic					Foliation	Intense	112	80					0.442	-90.76973367	52.93079653	0.006
7/11/2018	E885753	506367	D.Murray	Mafic Metavolcanic									Shear Zone	Intense	110	80	0.269	-90.76860028	52.92988355	0.005
7/11/2018	E885754	506367	D.Murray	Clastic Metasediment	Quartz	eplacement			Foliation	Intense	110	80	Shear Zone	Intense	110	80	0.604	-90.76624995	52.92980795	1.67
7/13/2018	E885755	506367	D.Murray	Mafic Metavolcanic	Quartz	Stringer											0.579	-90.7676504	52.92953835	0.009
7/13/2018	E885756	506367	D.Murray	Mafic Metavolcanic	Quartz												0.603	-90.76764688	52.9294744	0.0025
7/13/2018	E885757	506336	D.Murray	Mafic Metavolcanic					Foliation	Intense	80	80					0.315	-90.7690563	52.92966215	0.005
7/13/2018	E885758		D.Murray	Granitic Gneiss													0.775	-90.38008385	52.73177175	0.0025
7/14/2018	E885833		D.Murray	Granitic Gneiss					Other	Intense	300	85					71.4	-90.58539372	53.01599232	0.0025
7/14/2018	E885834		D.Murray	Granitic Pegmatite					Other	Intense	300	85					0.56	-90.58557752	53.01616102	0.0025
7/14/2018	E885835		D.Murray	Granite													15.2	-90.58562532	53.01617188	0.0025
8/3/2018	E885836	506200	D.Murray	Quartz Vein	Quartz	Planar	350	64	Foliation								0.044	-90.99504085	52.89845095	0.163
8/3/2018	E885837	506200	D.Murray	Mafic Metavolcanic	Quartz	Planar	350	64	Foliation	Moderate	44	80	Breccia	Moderate	350	64	0.259	-90.995021	52.89844272	0.0025
8/3/2018	E885838	506200	D.Murray	Quartz Vein	Quartz	Planar	350	64									0.028	-90.99505157	52.89844588	0.014
8/3/2018	E885839	506200	D.Murray	Quartz Vein	Quartz	Planar	55	89									0.022	-90.99506735	52.89844893	0.0025
8/3/2018	E885841	506200	D.Murray	Mafic Metavolcanic					Foliation	Moderate	55	62					0.309	-90.99478142	52.8986035	0.0025
8/3/2018	E885842	506192	D.Murray	Mafic Dyke					Foliation	Moderate	46	60					0.436	-90.993121	52.89915535	0.0025
8/3/2018	E885843	506192	D.Murray	Mafic Dyke	Carbonate	Planar			Foliation	Intense	46	60						-90.99316582	52.89920293	0.0025
8/4/2018	E885844	506186	D.Murray	Clastic Metasediment	Carbonate	Planar	54	60	Foliation	Intense	54	60	Shear Zone	Intense	54	60	0.273	-90.99282102	52.90308687	0.0025
8/4/2018	E885845	506186	D.Murray	Quartz Vein	Quartz	Planar	242	85									0.061	-90.99224885	52.90365355	0.006
8/4/2018	E885846	506186	D.Murray	Mafic Metavolcanic	Quartz-carbonate				Foliation	Moderate	54	60					0.16	-90.99220433	52.90364023	0.048
8/4/2018	E885847	506186	D.Murray	Mafic Metavolcanic	Quartz	Planar	54	70	Foliation	Intense	54	70					0.201	-90.99131595	52.90392105	0.0025
8/4/2018	E885848	506174	D.Murray	Mafic Metavolcanic	Quartz	Planar	236	80	Foliation	Intense	236	80	Shear Zone	Intense	236	80	0.434	-90.98952723	52.90517255	0.006
8/4/2018	E885849	506174	D.Murray	Mafic Metavolcanic					Foliation	Intense	58	70					0.331	-90.98805432	52.90544192	0.011
7/26/2018	E885851	508039	S.Miller	Chert Magnetite BIF					Primary Bedding	Moderate	125						0.233	-90.55888847	52.9288903	0.0025
7/26/2018	E885852	508039	S.Miller	Mafic Metavolcanic	Quartz-carbonate	Planar	125		Foliation	Moderate	125	78					0.56	-90.55884593	52.92895017	0.005
7/26/2018	E885853	508039	S.Miller	Garnet Amphibole IF	Quartz-carbonate	Planar	125		Primary Bedding	Intense	125		Shear Zone	Moderate	125		0.368	-90.5588424	52.9289439	0.005
7/26/2018	E885854	508039	S.Miller	Garnet Amphibole IF					Primary Bedding	Moderate	192	80					0.737	-90.55859208	52.92878127	0.005
7/26/2018	E885855	508039	S.Miller	Mafic Metavolcanic	Quartz	Crack-Sea	146	66	Foliation	Moderate	146	66					0.482	-90.55958952	52.92858152	0.0025
7/28/2018	E885856	508036	S.Miller	Clastic Metasediment					Foliation	Moderate	146	62					0.416	-90.54510572	52.90580537	0.005
7/28/2018	E885857	508036	S.Miller	Clastic Metasediment		Planar	156	58	Foliation	Moderate	156	58					0.646	-90.54417653	52.90549138	0.0025
7/28/2018	E885858	508036	S.Miller	Clastic Metasediment					Foliation	Moderate	148						0.456	-90.54419333	52.9053783	0.0025
7/28/2018	E885859	508070	S.Miller	Mafic Metavolcanic	Quartz	Planar	152		Foliation	Moderate	152						0.565	-90.54090513	52.90304128	0.0025
7/28/2018	E885871	508070	S.Miller	Mafic Metavolcanic	Quartz	Massive	150		Foliation	Intense	150	60	Shear Zone	Moderate	150	60	0.309	-90.54049142	52.90282942	0.0025
7/28/2018	E885872	508070	S.Miller	Mafic Metavolcanic	Quartz	Planar	156	70	Foliation	Moderate	156	70	Shear Zone	Moderate	156	70	2.19	-90.53982765	52.90239732	0.028
7/28/2018	E885873	508070	S.Miller	Mafic Metavolcanic	Quartz	Planar	146	58	Foliation	Intense	146	58	Shear Zone	Moderate	146	58	0.335	-90.53813525	52.90228992	0.0025
7/28/2018	E885874	510142	S.Miller	Chert Magnetite BIF	Quartz	eplacemer	134	68	Primary Bedding	Moderate	134	68					53.4	-90.53704175	52.90236515	0.0025

7/28/2018	E885875	510142	S.Miller	Chert Magnetite BIF					Primary Bedding	Intense	134	70					87.5	-90.53673928	52.90262182	0.0025
7/28/2018	E885876	510142	S.Miller	Chert Magnetite BIF					Primary Bedding	Moderate	147	74					1.34	-90.53633853	52.90247612	0.03
7/29/2018	E885877	507415	S.Miller	Clastic Metasediment	Quartz	Planar	144		Primary Bedding	Moderate	144						0.425	-90.5627652	52.91420225	0.0025
7/29/2018	E885878	507415	S.Miller	Mafic Metavolcanic					Foliation	Moderate	150						0.633	-90.56306945	52.91395185	0.0025
8/4/2018	E885913		D.Murray	Argillite													0.164	-91.02480375	52.93076928	0.0025
9/20/2018	E885914	507535	S.Miller	Clastic Metasediment	Quartz	Flooding	130	62	Foliation	Moderate	130	62	Shear Zone	Moderate	130	62	0.71	-90.75042407	52.96431088	0.005
9/20/2018	E885915	507535	S.Miller	Quartz Vein	Quartz	Massive	122	70										-90.75037127	52.96433033	0.008
9/25/2018	E886083	508195	S.Miller	Chert Magnetite BIF					Primary Bedding	Moderate							136	-90.81048762	52.97149272	0.015
8/4/2018	E886101	506175	D.Murray	Mafic Metavolcanic					Foliation	Intense	70	42					0.339	-90.98511428	52.90551472	0.0025
8/4/2018	E886102	506175	D.Murray	Mafic Metavolcanic							62	79			62	79	0.33	-90.9817427	52.90629572	0.0025
8/6/2018	E886103	508584	D.Murray	Quartz Vein	Quartz	Planar	90	80					Shear Zone	Intense	90	80	0.04	-90.88762492	52.91959772	0.396
8/6/2018	E886104	508584	D.Murray	Quartz Vein	Quartz	Planar	90	80					Shear Zone	Intense	90	80	0.021	-90.88761428	52.91959692	2.24
8/6/2018	E886105	508584	D.Murray	Quartz Vein	Quartz	Planar	90	80					Shear Zone	Intense	90	80	0.063	-90.88756165	52.91959322	0.701
8/6/2018	E886106	508584	D.Murray	Quartz Vein	Quartz	Planar	85	88	Foliation	Intense	85	88					0.485	-90.88844327	52.91906493	0.0025
8/6/2018	E886107	508584	D.Murray	Mafic Metavolcanic					Foliation	Intense	264	84	Shear Zone	Intense	264	84	0.288	-90.88793327	52.91838798	0.0025
8/7/2018	E886108	509234	D.Murray	Quartz Vein	Quartz	Massive	268	85									0.05	-91.13357205	52.84986255	0.0025
8/7/2018	E886109	509258	D.Murray	Gabbro													0.595	-91.13221533	52.85051622	0.0025
8/7/2018	E886111	509258	D.Murray	Mafic Metavolcanic					Foliation	Moderate	238	78					0.64	-91.13204515	52.85068553	0.011
8/7/2018	E886112	509258	D.Murray	Mafic Metavolcanic	Quartz	Planar	150	38									0.531	-91.13187125	52.85066082	0.01
8/7/2018	E886113	509258	D.Murray	Pillowed Metavolcanic					Foliation	Intense	54	88					0.407	-91.13170445	52.85107702	0.0025
8/7/2018	E886114	509258	D.Murray	Mafic Metavolcanic	Quartz	Planar	72	80	Foliation	Moderate	72	80					0.062	-91.13152802	52.8511036	0.0025
8/7/2018	E886115	509265	D.Murray	Mafic Metavolcanic	Quartz	Planar											0.28	-91.13101908	52.85089483	0.0025
8/7/2018	E886116	509265	D.Murray	Mafic Metavolcanic					Foliation	Intense	182	70					0.451	-91.12875477	52.85097385	0.01
8/7/2018	E886117	509265	D.Murray	Mafic Metavolcanic							20	78	Shear Zone	Intense	20	78	0.135	-91.12866192	52.85095535	0.0025
8/7/2018	E886118	509265	D.Murray	Mafic Metavolcanic									Shear Zone	Intense	20	78	7.8	-91.12866115	52.85096563	0.015
8/7/2018	E886119	509265	D.Murray	Mafic Metavolcanic									Shear Zone	Intense	20	78	7.8	-91.12865178	52.85097167	0.009
8/7/2018	E886121	509265	D.Murray	Mafic Metavolcanic									Shear Zone	Moderate	20	78	6.01	-91.12865045	52.85097007	0.025
8/9/2018	E886122	509374	D.Murray	Quartz Vein	Quartz	Massive	230	70									0.025	-91.18231548	52.84375103	0.014
8/9/2018	E886123	509374	D.Murray	Quartz Vein	Quartz	Massive	230	70									0.041	-91.18229265	52.84372883	0.22
8/9/2018	E886124	509374	D.Murray	Felsic Metavolcanic	Quartz	Massive	259	58					Shear Zone	Intense	230	70	1.8	-91.18229053	52.84372347	0.049
8/9/2018	E886125	509374	D.Murray	Felsic Metavolcanic	Quartz												0.66	-91.18229755	52.84370383	0.023
8/9/2018	E886126	509374	D.Murray	Felsic Metavolcanic	Quartz								Shear Zone	Intense	230	70	1.88	-91.18232893	52.84370988	0.007
8/9/2018	E886127	509374	D.Murray	Felsic Metavolcanic									Shear Zone	Intense	230	70	0.22	-91.18230923	52.8437099	0.02
8/9/2018	E886128	509374	D.Murray	Felsic Metavolcanic									Shear Zone	Intense	230	70	0.395	-91.18235113	52.8435849	0.0025
8/9/2018	E886129	509374	D.Murray	Felsic Metavolcanic									Shear Zone	Intense	230	71	0.227	-91.18272907	52.84350345	0.0025
8/9/2018	E886131	509374	D.Murray	Felsic Metavolcanic									Shear Zone	Intense	230	70	0.201	-91.1826947	52.84347342	0.0025
8/9/2018	E886132	509374	D.Murray	Felsic Metavolcanic									Shear Zone	Intense	230	70	0.404	-91.18268653	52.84347982	0.0025
8/9/2018	E886133	509374	D.Murray	Felsic Metavolcanic									Shear Zone	Intense	230	70	0.119	-91.18263857	52.84344288	0.0025
8/9/2018	E886134	509374	D.Murray	Felsic Metavolcanic	Quartz	Planar	230	70					Shear Zone	Intense	230	70	0.384	-91.18286813	52.84339402	0.0025
8/9/2018	E886135	509374	D.Murray	Felsic Metavolcanic	Quartz	Planar											0.295	-91.18284603	52.8433695	0.0025
8/10/2018	E886136	506620	D.Murray	Mafic Metavolcanic					Foliation	Moderate	65	85					0.144	-91.01408312	52.88977623	0.0025
8/10/2018	E886137	506620	D.Murray	Mafic Metavolcanic	Quartz-carbonate	Crack-Sea	60	60					Breccia	Weak	60	60	0.157	-91.01390047	52.88980813	0.0025
8/10/2018	E886138	506620	D.Murray	Mafic Metavolcanic					Foliation	Intense	36	76					0.325	-91.01367317	52.89011112	0.0025
8/10/2018	E886139	506620	D.Murray	Pillowed Metavolcanic					Foliation	Intense	250	74					0.318	-91.0202835	52.88923598	0.0025
8/11/2018	E886141	509084	D.Murray	Mafic Metavolcanic					Foliation	Intense	195	80					0.206	-91.17797443	52.87725015	0.0025
8/11/2018	E886142	509084	D.Murray	Mafic Dyke	Carbonate	Crack-Sea	8	85	Foliation	Moderate	110	64	Brittle	Moderate	8	85	0.403	-91.17892298	52.87669477	0.0025
8/11/2018	E886143	509061	D.Murray	Mafic Metavolcanic					Foliation	Intense	235	75	Brittle	Moderate	6	84	0.378	-91.18180032	52.87623195	0.0025
8/11/2018	E886144	509061	D.Murray	Mafic Metavolcanic					Foliation	Weak			Brittle	Moderate	40	85	0.371	-91.18207368	52.87594567	0.0025
8/11/2018	E886145	509061	D.Murray	Quartz Vein	Quartz												0.014	-91.1828072	52.87539703	0.053
8/11/2018	E886146	509061	D.Murray	Mafic Metavolcanic													0.127	-91.18399987	52.87599232	0.0025

8/12/2018	E886147	508916	D.Murray	Intermediate Metavolcanic					Foliation	Weak			Brittle	Intense	192	78	0.074	-91.12891352	52.88713565	0.0025
8/12/2018	E886148	508916	D.Murray	Diorite													0.504	-91.12894965	52.88714405	0.0025
8/12/2018	E886149	508916	D.Murray	Intermediate Metavolcanic									Brittle	Intense	250	70	0.029	-91.1300805	52.88720567	0.0025
8/12/2018	E886151	886151	D.Murray	Gabbro													32	-91.13160553	52.89074048	0.0025
9/9/2018	E886152	509374	D.Murray	Quartz Vein	Quartz	Planar							Shear Zone	Intense	210	46	0.202	-91.18367175	52.84304085	0.005
9/9/2018	E886153	509374	D.Murray	Quartz Vein													0.168	-91.18379285	52.8430615	0.006
9/9/2018	E886154	509374	D.Murray	Quartz Vein													0.682	-91.18354217	52.84313655	0.0025
9/9/2018	E886155	509374	D.Murray	Quartz Vein													0.088	-91.18318518	52.84318902	0.0025
9/9/2018	E886156	509374	D.Murray	Quartz Vein	Quartz-carbonate	Massive	275	46									0.188	-91.18304908	52.84332575	0.013
9/12/2018	E886158	509374	D.Murray	Quartz Vein	Quartz	Massive	238	62									0.051	-91.18383377	52.84313427	0.0025
9/12/2018	E886159	509374	D.Murray	Clastic Metasediment									Shear Zone	Intense	238	62	0.25	-91.18385257	52.8431429	0.034
9/12/2018	E886161	509374	D.Murray	Quartz Vein	Quartz	Planar	224	60									0.061	-91.18384375	52.84312633	0.0025
9/12/2018	E886162	509374	D.Murray	Clastic Metasediment									Shear Zone	Intense	238	62	0.427	-91.18381868	52.84310192	0.008

Summary of costs

Table 7 below details all the costs incurred to complete the body of work described above. All relevant invoices and receipts are attached to this report. All non-relevant charges on each invoice have been subtracted.

Table 6. Summary of costs incurred to complete the 2018 exploration program of the NCGB claim group described above.

Services and Materials

Category	Invoice Date	Invoice Number	Payee	Description	Amount
Transportation	18-Jun-18	6872	Wisk Air Helicopters	1.8 Flight Hrs.	$2,349.00
	4-Jul-18	6900		16.1 Flight Hrs.	$21,010.50
	18-Jul-18	6921		12.1 Flight Hrs.	$15,790.50
	7-Aug-18	6945		12.8 Flight Hrs.	$16,704.00
	27-Aug-18	6976		11.2 Flight Hrs.	$14,616.00
	6-Sep-18	6984		2.2 Flight Hrs.	$2,871.00
	19-Sep-18	6999		3 Flight Hrs.	$3,915.00
	9-Oct-18	7019		5.0 Flight Hrs.	$6,525.00
				Subtotal	$83,781.00
Assaying	22-Oct-18	A18-14186	Activation Laboratories Ltd. 4-Acid ICP-MS and Fire Assay	3 Samples	$108.00
	12-Oct-18	A18-11076		66 Samples	$2,376.00
	12-Oct-18	A18-12314		1 Samples	$36.00
	15-Nov-18	A18-14383		10 Samples	$360.00
	13-Sep-18	A18-10521		123 Samples	$4,428.00
	11-Sep-18	A18-10265		26 Samples	$936.00
	5-Sep-18	4408160	ALS Canada Ltd.	ME-VEG4Aa	$1,984.69
	6-Sep-18	4408323			$4,376.00
				Subtotal	$14,604.69
Consulting	5-Aug-18	110-18	Colin Dunn Consulting	control samples & technical guidance	$893.77
				Subtotal	$893.77
Materials	4-Apr-18	N/A	Deakin Industries	Field Safety Equipment	$2,535.56
	13-Aug-18	N/A		Tools	$217.85
	16-Apr-18	N/A	Services Exploration	Field Safety Equipment	$91.50
	17-Apr-18	N/A	Canadian Tire	Field Safety Equip.	$901.57
				Subtotal	$3,746.48

Personnel

Category	Person	Rate/Day	Person-days	Description	Amount
Field Operations	S.VP of Exploration	$2,000.00	1	Field review of initial findings	$2,000.00
	Director of Exploration	$2,000.00	1		$2,000.00
	Exploration Geologist	$600.00	112	Field Season	$67,200.00
	Field Assistant	$360.00	40	Field Days Only	$14,400.00
				Subtotal	$85,600.00
Data compilation and Interpretation	Exploration Geologist	$600.00	80	Days ahead of field season	$48,000.00

				Subtotal	$48,000.00
Planning and Consultation	Exploration Geologist	$600.00	4	Data review and exploration strategy workshop involving technical experts and project staff	$2,400.00
	Database Geologist	$750.00	2		$1,500.00
	Director of Exploration	$2,000.00	2		$4,000.00
	Director of Geochemistry	$2,000.00	2		$4,000.00
	Director of Geophysics	$2,000.00	2		$4,000.00
	Director of Generative Exp	$2,000.00	2		$4,000.00
	Exploration Manger	$1,200.00	2		$2,400.00
	Exploration Supervisor	$840.00	2		$1,680.00
				Subtotal	$23,980.00
Reporting	Project Geologist	$750.00	10	salary	$7,500.00
				Subtotal	$7,500.00
Lodging	Goldcorp Personnel	$80.00	267	Musselwhite Mine Camp	$21,360.00
	Wisk Air Personnel (2)	$80.00	80		$6,400.00
				Subtotal	$27,760.00

Miscellaneous

Category	Expense	Rate	Person-Days	Description	Amount
First Nations Consultation. Victoria Inn Thunder Bay Ontario	Conference room and catering	-	-	-	$2,608.91
	Sustainability Manager	1200	1	Salary	$1,200.00
	Environmental Coordinator	840	1		$840.00
	Environmental Technician	600	1		$600.00
	First Nations HR Specialist	500	1		$500.00
	Administrative assistant	360	1		$360.00
				Subtotal	$6,108.91

Category	Invoice Date	Invoice Number	Payee	Description	Amount
Field Communications	1-Jul-18	ICAD00036642	inReach Inc.	Subscription for Garmin inReach Devices	$785.80
	1-Aug-18	ICAD00050505			$1,147.16
	1-Oct-18	ICAD00070417			$722.72
	1-Sep-18	ICAD00050790			$361.36
				Subtotal	$3,017.04
				Program Total	$304,991.89

References

Oswald, W. (2018). GEOLOGY OF THE BANDED IRON FORMATION-HOSTED MUSSELWHITE GOLD DEPOSIT, SUPERIOR PROVINCE, ONTARIO, CANADA (Unpublished master's thesis). Université du Québec Institut National de la Recherche Scientifique Centre Eau Terre Environnement.

Breaks, F.W., Osmani, I.A. and deKemp, E.A. 2001. Geology of the North Caribou Lake area, northwestern Ontario; Ontario Geological Survey, Open File Report 6023, 80p.

Statement of Qualifications

I, David M. Murray, do hereby certify that:

I am a resident of the city of Halifax, Nova Scotia, Canada

I am a graduate of St. Francis Xavier University receiving Advanced Major Degree in Earth Science, concentrating in hard rock geoscience in 2011.

I am a professional geoscientist registered in good standing with the Association of Professional Geoscientists of Nova Scotia, member #236.

I am a core member in good standing of the Association of Prospectors and Developers of Canada.

I am a member in good standing of the Society of Economic Geologists.

I am employed by Goldcorp Canada Ltd, as a Project Geologist at Musselwhite Mine in the District of Kenora, Northwestern Ontario.

I agree with all the information contained within this report and believe that it is an accurate description of the work performed.

The above statements are valid as of the date signed below

Statement of Qualifications

I, Kristy-Lee Beal, do hereby certify that:

I am a resident of the city of Thunder Bay, Ontario, Canada

I am a graduate of the University of New Brunswick receiving a Bachelor of Science Degree in Earth Science in 2008 followed by a Masters of Science in 2014.

I am a professional geoscientist registered in good standing with the Professional Geoscientists Ontario, member #2486.

I am employed by Newmont Goldcorp Inc, as a Senior Database and Land Geologist at Musselwhite Mine in the District of Kenora, Northwestern Ontario.

I agree with all the information contained within this report and believe that it is an accurate description of the work performed.

The above statements are valid.

Appendices

2018 Arseno Lake Exploration

Appendix I …….Full table of samples and results

Appendix II ……..Assay Certificates

Appendix III ……...Invoices and Receipts

- Activation Laboratories Ltd.
- Wisk Air Helicopters

2018 Opapimiskan Lake Exploration

Appendix IV……..…….Full table of samples and results

Appendix V ……..Assay Certificates

Appendix VI ……...Invoices and Receipts

- Activation Laboratories Ltd.
- Wisk Air Helicopters

2018 North Caribou Greenstone Belt Exploration

Appendix VII ……. Re-interpretation of Geology (maps)

Appendix VIII ……...Maps of prospecting traverses and lithogeochemical samples

Appendix IX…….Full table of samples and results

- Lithogeochemical Samples
- Biogeochemical Samples

Appendix X……..Assay Certificates

- Activation Laboratories, Lithogeochemical
- ALS Canada Ltd., Biogeochemical

Appendix XI ……...Invoices and Receipts

- Activation Laboratories Ltd.
- ALS Canada Ltd.
- InReach Inc.
- Wisk Air Helicopters
- Colin Dunn Consulting

- Canadian Tire
- Deakin Industries
- Services Exploration
- Victoria Inn

Appendix XII...Complete table of claims in NCGB group subject to research and compilation

2018 Arseno Lake Exploration

Appendix I – Full table of samples and results

2018 Arseno Lake Lithogeochemical Samples 4 Acid ICPMS and Fire Assay

Date	Project	Sample ID	Claim Number	Rock Type	Veining Assemblage	Vein Type	Vein Percentage	Vein Azimuth	Vein Dip	Fabric	Fabric Intensity	Fabric Azimuth	Fabric Dip	Fault	Fault Intensity	Fault Azimuth	Fault Dip	Longitude	Lattitude	Laboratory	Analytical Method
5/29/2018	2018 Regional	E885601	322939	6 Metasediment						Foliation	Moderate	260	66					-91.063956	52.9751132	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
5/29/2018	2018 Regional	E885602	274313	2 Mafic Volcanic						Foliation	Weak	98	88	Shear Zone	Moderate	98	88	-91.065344	52.9808072	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
5/29/2018	2018 Regional	E885603	274313	6 Metasediment						Foliation	Intense	94	84					-91.065285	52.9814687	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
5/29/2018	2018 Regional	E885605	118276	2 Mafic Volcanic	Quartz	Planar	0.5	90	Subvertical	Foliation	Intense	92	70	Other	Moderate	0	85	-91.068328	52.9836551	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
6/9/2018	2018 Regional	E885606	274311	2 Mafic Volcanic	Quartz	Planar	Tr	275	Subvertical	Foliation	Intense	96	85	Shear Zone	Weak	96	85	-91.068859	52.9844866	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
6/10/2018	2018 Regional	E885607	274313	Quartz Vein	Quartz	Massive	99	90	85									-91.062983	52.9804614	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
6/10/2018	2018 Regional	E885608	274313	4F Garnet-Biotite Schist						Foliation	Intense	88	88	Shear Zone	Intense	88	88	-91.062955	52.9804706	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
6/10/2018	2018 Regional	E885609	274313	4F Garnet-Biotite Schist						Foliation	Intense	105	88	Shear Zone	Intense	205	88	-91.062941	52.9804503	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
5/28/2018	2018 Regional	E885611	274313	Quartz Vein	Quartz	Massive	99	98										-91.062709	52.9803819	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
6/10/2018	2018 Regional	E885612	274313	2 Mafic Volcanic						Foliation	Moderate	105	82					-91.062635	52.9805842	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
6/10/2018	2018 Regional	E885613	274307	6 Metasediment						Foliation	Intense	88	86					-91.061331	52.9806543	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
7/12/2018	2018 Regional	E885614	227092	6 Metasediment	Quartz	Massive	50	84	Subvertical	Foliation	Intense	84	86	Shear Zone	Intense	100	85	-91.053037	52.9799266	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
6/10/2018	2018 Regional	E885615	227092	6 Metasediment	Quartz	Massive		100	Subvertical									-91.053066	52.9799238	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
6/10/2018	2018 Regional	E885616	227092	6 Metasediment						Foliation	Intense	122	90					-91.05245	52.9798376	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
6/10/2018	2018 Regional	E885617	118270	6 Metasediment	Quartz	Planar	50	260	70	Foliation	Moderate	260	70	Shear Zone	Intense			-91.049508	52.9797824	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
6/10/2018	2018 Regional	E885618	118270	6 Metasediment						Foliation	Moderate	106	70					-91.049368	52.9793833	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
6/12/2018	2018 Regional	E885619	118270	2 Mafic Volcanic						Foliation	Moderate	108	86					-91.047555	52.9796694	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
6/12/2018	2018 Regional	E885621	266333	2 Mafic Volcanic						Foliation	Intense	92	90					-91.040571	52.9793092	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
6/12/2018	2018 Regional	E885622	266333	6W Garnet-bearing metasediment						Foliation	Intense	102	84					-91.039764	52.979476	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
6/12/2018	2018 Regional	E885623	322936	6 Metasediment						Foliation	Intense	281	80	Shear Zone	Intense	281	80	-91.037816	52.9786012	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
9/11/2018	2018 Regional	E886157	227092	6 Metasediment	Quartz	Massive												-91.053092	52.9797963	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA

Sample ID	Au g mt	B ppm	Li ppm	Na	Mg	Al	K	Ca	Cd ppm	V ppm	Cr ppm	Mn ppm	Fe	Hf ppm	Ni ppm	Er ppm	Be ppm	Ho ppm	Hg ppm	Ag ppm	Cs ppm	Co ppm	Eu ppm	Bi ppm	Se ppm	Zn ppm
E885601	0.0025	10	24.7	2.6	3.77	7.37	0.12	5.68	0.05	211	48	1640	8.44	1.9	41	4.2	0.7	1.4	10	0.003	0.13	39.2	0	0.07	0.5	41.3
E885602	0.0025	10	15.7	0.62	3.33	5.98	0.23	6.59	0.2	197	270	3380	8.95	1	81.5	1.6	0.3	0.5	50	0.14	0.77	40.7	0	0.09	0.7	105
E885603	0.012	10	29.9	0.72	1.99	8.43	1.25	6.27	0.3	251	130	2680	8.69	1.4	144	2.6	0.5	0.8	5	1.61	1.27	64.3	0	0.21	1.1	54.8
E885605	0.005	10	20.2	1.4	1.86	8.47	0.31	6.4	0.05	294	137	2410	9.46	1.3	136	2.6	0.5	0.9	20	0.09	0.21	62.9	0	0.07	0.6	97
E885606	0.007	10	52.1	3	3.01	8.66	0.3	1.38	0.05	270	142	1580	9.4	1.2	153	2.3	1.1	0.7	5	0.09	0.82	65.1	0	0.34	0.9	102
E885607	0.02	40	0.9	0.01	0.35	0.25	0.02	0.09	0.2	8	17	6740	2.51	0.1	1.6	0.3	0.05	0.1	5	3.31	0.003	0.8	0	0.8	0.2	95.4
E885608	0.006	10	68.2	0.09	2.25	7.93	1.08	0.81	0.5	266	486	8310	11.4	1.6	113	2.1	0.3	0.7	5	0.65	4.78	46	0	0.16	0.6	124
E885609	2.36	10	68.7	0.15	1.13	8.59	1.18	0.6	0.9	269	487	10000	12.7	2.1	35.4	2.3	0.6	0.8	5	9.03	5.49	7.3	0	0.31	0.5	2920
E885611	0.026	30	1.7	0.01	0.15	0.32	0.07	0.14	71.3	14	37	2080	6.76	0.1	29	0.2	0.05	0.1	220	6.14	0.37	6	0	2.5	0.6	10000
E885612	0.0025	10	23.2	1.86	4.45	7.21	0.18	6.26	0.3	234	285	2590	7.83	1.4	94.3	1.7	0.5	0.6	30	0.52	0.62	45.8	0	0.1	0.3	82.2
E885613	0.0025	10	33	0.19	1.11	7.5	2.04	2.06	0.1	28	71	1160	3.31	3	75.8	0.3	0.7	0.1	5	4.51	4.95	15.6	0	0.24	0.3	47
E885614	0.03	40	10	0.22	0.34	2.72	0.94	0.17	33.6	34	41	5220	9.54	1.6	30.6	0.7	0.3	0.3	230	18.2	4.64	4	0	5.25	0.9	5200
E885615	6.28	10	0.25	0.01	0.88	0.06	0.02	0.29	14.5	5	12	10000	16.5	0.05	73.5	0.4	0.1	0.1	60	35.9	0.14	21.2	0	9.94	0.3	2340
E885616	0.024	10	34	0.27	4.44	6.86	0.88	4	0.4	236	378	4600	10.6	1.5	184	2.5	0.9	0.8	5	1.99	4.53	59.5	0	0.2	0.7	160
E885617	0.005	10	0.6	0.01	1.45	0.18	0.02	0.09	0.8	14	17	10000	43.9	0.1	66.9	1.8	0.1	0.5	5	0.63	0.3	14.3	0	0.09	0.3	315
E885618	0.005	10	25.9	1.17	4.18	6.51	0.23	6.46	0.2	175	12	1220	7.34	1.8	98.1	1.6	0.4	0.5	20	0.17	0.79	46.5	0	0.13	0.4	80.3
E885619	0.0025	10	25	1.97	3.95	7.85	0.18	5.68	0.6	233	283	2460	6.4	1.4	87.2	1.5	0.5	0.5	5	0.08	0.49	41.4	0	0.08	0.4	248
E885621	0.006	10	22.7	0.99	3.22	9.06	0.52	7.94	0.2	283	396	3320	6.26	1.5	160	1.8	0.6	0.6	10	0.17	1.85	67.7	0	0.41	0.7	130
E885622	0.027	10	50.4	0.65	2.34	7.57	1.23	3.01	0.1	225	129	1850	9.32	1.2	116	2.1	0.6	0.7	20	0.25	4.01	49.2	0	0.27	0.7	134
E885623	0.005	10	16.5	0.09	1.41	3.33	0.72	2.18	0.2	74	379	927	3.41	1.1	108	0.4	0.6	0.1	5	0.13	2.25	39	0	0.31	0.4	54.6
E886157	0.502	10	0.25	0.01	1.16	0.21	0.01	0.19	26.6	11	20	10000	12.1	0.05	72.4	0.8	0.2	0.2	20	64.4	0.06	11.9	0	40.3	0.2	3580

Sample ID	Ga ppm	As ppm	Rb ppm	Y ppm	Zr ppm	Nb ppm	Mo ppm	In ppm	Sn ppm	Sb ppm	Te ppm	Ba ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Gd ppm	Tb ppm	Dy ppm	Cu ppm	Ge ppm	Tm ppm	Yb ppm	Lu ppm	Ta ppm	Sr ppm	W ppm	Re ppm	Tl ppm	Pb ppm	Th ppm	U ppm
E885601	20.3	0.5	0.9	37.4	75	0.4	0.08	0.05	0.5	0.05	0.05	39	2.2	6.3	1	5.3	2.8	4.9	0.9	6.1	4.3	0.5	0.6	4.1	0.6	0.05	115	0.1	0.001	0.003	0.8	1.2	0.4
E885602	12.3	2.3	6.7	13.9	39	1.8	0.36	0.05	0.5	1.4	0.05	181	5.1	10.4	1.2	5.3	1.5	1.9	0.3	2.4	114	0.7	0.2	1.6	0.2	0.1	88.1	0.6	5E-04	0.003	6.4	1.8	0.5
E885603	19.5	21.9	51.6	20.7	50	0.4	0.21	0.05	0.5	0.2	0.05	130	4.9	12.3	1.6	8.5	2.7	3.2	0.6	3.5	264	0.5	0.4	2.5	0.3	0.05	52.6	0.1	0.002	0.53	29.6	0.6	0.2
E885605	20.6	0.1	7.1	21.9	47	0.4	0.13	0.05	0.5	0.05	0.05	71	5.2	13.3	1.9	9.3	2.9	3.4	0.6	3.8	154	0.5	0.4	2.5	0.3	0.05	92.3	0.1	5E-04	0.003	0.25	0.5	0.2
E885606	16.9	2.1	12.5	17.6	42	1	0.16	0.05	0.5	0.05	0.05	55	2.1	5.9	0.9	4.8	1.4	2.3	0.4	3	262	0.3	0.3	2.2	0.3	0.05	110	0.2	5E-04	0.003	3	0.6	0.2
E885607	0.6	111	0.3	4	2	0.05	0.35	0.05	0.5	1.5	0.05	2	1.2	2	0.2	1	0.3	0.4	0.1	0.4	23.5	0.1	0.05	0.2	0.05	0.05	3.2	0.5	5E-04	0.003	129	0.05	0.05
E885608	14.8	26.7	60.1	18.1	61	2.6	0.47	0.05	0.5	0.7	0.05	136	4.7	9.7	1.1	4.8	1.3	2.2	0.4	3.1	75.1	0.6	0.3	2.1	0.3	0.2	7.4	0.8	5E-04	0.99	92.5	2.4	0.7
E885609	16.8	25.7	46	21.3	82	3.8	1.29	0.1	4	1.3	0.05	258	8.7	17.4	2	7.9	2.2	3	0.5	3.1	88	0.2	0.3	2.1	0.3	0.3	29.6	3.6	5E-04	0.98	349	3.4	0.8
E885611	1.6	169	2.7	2.4	5	0.2	0.52	0.8	0.5	1.4	0.05	19	0.5	0.8	0.1	0.5	0.2	0.2	0.05	0.2	298	0.1	0.05	0.2	0.05	0.05	1.9	0.8	5E-04	0.003	154	0.1	0.1
E885612	13.7	2.5	4.5	14.9	49	2.4	0.5	0.05	0.5	0.5	0.05	65	3.1	7.3	0.8	4.2	1.5	2.1	0.4	2.6	1.8	0.4	0.3	1.7	0.2	0.2	184	0.3	5E-04	0.003	13	2	0.5
E885613	19.5	24.9	67.8	3.6	129	4.3	0.74	0.05	0.5	2.3	0.05	812	24.1	41.7	3.9	13	2	1.3	0.1	0.6	13.2	0.2	0.05	0.3	0.05	0.3	80	0.7	5E-04	1.24	109	8.6	1.8
E885614	7.9	219	34.1	7.7	58	3.8	1.48	0.7	3	7.6	0.05	67	8.9	16.6	1.7	5.8	1.1	1.1	0.2	1	298	0.1	0.1	0.9	0.1	0.3	21	2.5	5E-04	1.64	488	5.8	1.4
E885615	0.7	1390	0.7	5.9	5	0.1	0.39	0.3	2	29.8	0.1	3	1.8	2.5	0.3	1.1	0.2	0.6	0.1	0.7	50	0.1	0.1	0.5	0.1	0.05	0.5	0.6	5E-04	0.003	613	0.1	0.2
E885616	13.7	7.3	36.1	20.3	56	2.3	0.3	0.05	0.5	2.6	0.05	185	6.9	14.5	1.7	7.6	1.7	2.9	0.5	3.4	230	0.2	0.3	2.3	0.3	0.2	39	0.5	5E-04	0.42	33.2	2	0.6
E885617	1.1	1460	2.7	26.9	6	0.2	0.22	0.05	0.5	23.3	0.05	13	9.4	12.1	1.3	5.6	1.4	1.5	0.2	1.7	41.4	0.2	0.3	1.8	0.3	0.05	1.9	0.7	5E-04	0.003	3.9	0.1	0.7
E885618	15.3	12.8	5.2	14.1	72	1.8	0.5	0.05	0.5	0.9	0.05	123	6.4	13.4	1.4	6	1.4	1.8	0.3	2.2	30.4	0.7	0.2	1.5	0.2	0.1	95.1	0.3	5E-04	0.003	8.6	2.4	0.9
E885619	14.8	1.2	3.1	13.7	55	2.1	0.44	0.05	0.5	0.3	0.05	69	2.9	7.6	0.9	4.6	1.8	2.2	0.3	2.2	35.6	0.8	0.2	1.5	0.2	0.2	91.6	0.3	5E-04	0.003	7.8	2.3	0.6
E885621	17.3	27.2	23.8	16.1	55	1.8	0.28	0.05	0.5	0.2	0.05	163	5.5	11.5	1.4	6.5	1.9	2.3	0.4	2.7	78.9	0.5	0.3	1.8	0.2	0.1	134	0.8	5E-04	0.15	11.2	1.6	0.4
E885622	18	7.9	40.5	16.4	45	0.2	0.15	0.05	0.5	0.05	0.05	107	3.9	10.3	1.4	7.3	2	2.9	0.5	3	102	0.4	0.3	2	0.3	0.05	30.1	0.1	5E-04	0.46	7.5	0.5	0.2
E885623	7.9	132	22.9	4.1	43	1.4	2.44	0.05	0.5	1.3	0.05	70	5	9.8	1	3.9	0.9	0.8	0.1	0.7	48.9	0.9	0.1	0.4	0.1	0.05	43.7	0.4	5E-04	0.19	10.8	1.8	0.5
E886157	1	489	0.6	9.6	4	0.05	0.24	0.3	2	56.5	0.1	7	1	1.4	0.1	0.7	0.2	0.5	0.1	0.9	150	0.05	0.1	0.8	0.1	0.05	1.3	0.6	5E-04	0.025	1330	0.1	0.1

Appendix II – Assay Certificates

Quality Analysis ... *Innovative Technologies*

Date Submitted: 02-Aug-18
Invoice No.: A18-10265
Invoice Date: 10-Sep-18
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

59 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A18-10265**

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

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 02-Aug-18
Invoice No.: A18-10265
Invoice Date: 10-Sep-18
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

59 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4 Total Digestion ICP/MS

REPORT **A18-10265**

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

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
E885701	0.005	< 20	32.1	> 3.00	0.90	8.49	1.21	2.44	0.1	50	13	821	4.93	2.3	4.6	1.3	1.3	0.4	10	0.05	2.04	13.6	1.10
E885702	< 0.005	< 20	6.4	2.84	0.14	7.36	1.58	0.70	< 0.1	14	9	171	1.44	1.8	1.0	0.5	2.7	0.2	30	0.08	1.25	2.7	0.40
E885703	< 0.005	< 20	5.7	2.99	0.01	7.43	1.72	0.87	< 0.1	7	7	76	0.79	1.1	< 0.5	0.9	2.9	0.3	20	0.05	2.21	0.3	0.20
E885751	0.008	< 20	17.9	2.45	3.33	8.02	0.16	4.45	0.1	190	360	1140	7.55	0.5	68.7	2.0	0.2	0.7	10	0.06	0.41	37.2	0.60
E885752	0.006	< 20	13.3	0.74	2.79	8.63	0.02	7.70	0.1	260	294	1600	8.86	0.8	144	2.5	0.3	0.8	30	< 0.05	0.08	48.9	1.00
E885753	0.005	< 20	32.2	1.32	4.11	8.30	0.81	1.19	< 0.1	225	264	1230	8.83	1.1	132	2.1	0.3	0.7	20	< 0.05	0.81	41.5	0.60
E885754	1.67	< 20	3.6	0.11	1.13	1.63	0.10	3.04	0.4	28	18	2610	7.59	1.0	15.7	1.3	0.4	0.4	30	0.21	0.10	8.2	0.70
E885755	0.009	30	15.2	1.63	4.49	8.02	0.07	7.24	0.1	231	260	1520	9.01	0.8	129	2.3	0.4	0.9	10	0.06	0.15	47.8	0.80
E885756	< 0.005	< 20	14.7	1.45	4.30	7.88	0.06	7.40	0.1	225	174	1490	8.52	0.8	126	2.4	0.4	0.7	< 10	0.05	0.13	45.3	0.70
E885757	0.005	< 20	20.1	1.56	3.62	7.86	0.05	5.76	< 0.1	212	194	1400	8.28	0.6	136	2.2	0.2	0.8	10	< 0.05	0.06	45.1	0.70
E885758	< 0.005	< 20	27.7	> 3.00	0.35	8.25	0.93	2.28	< 0.1	23	11	211	1.87	3.0	4.2	0.2	0.8	0.1	< 10	0.12	0.86	5.4	0.50
E885601	< 0.005	< 20	24.7	2.60	3.77	7.37	0.12	5.68	< 0.1	211	48	1640	8.44	1.9	41.0	4.2	0.7	1.4	10	< 0.05	0.13	39.2	1.00
E885602	< 0.005	< 20	15.7	0.62	3.33	5.98	0.23	6.59	0.2	197	270	3380	8.95	1.0	81.5	1.6	0.3	0.5	50	0.14	0.77	40.7	0.50
E885603	0.012	< 20	29.9	0.72	1.99	8.43	1.25	6.27	0.3	251	130	2680	8.69	1.4	144	2.6	0.5	0.8	< 10	1.61	1.27	64.3	0.80
E885605	0.005	< 20	20.2	1.40	1.86	8.47	0.31	6.40	< 0.1	294	137	2410	9.46	1.3	136	2.6	0.5	0.9	20	0.09	0.21	62.9	0.90
E885606	0.007	< 20	52.1	> 3.00	3.01	8.66	0.30	1.38	< 0.1	270	142	1580	9.40	1.2	153	2.3	1.1	0.7	< 10	0.09	0.82	65.1	0.50
E885607	0.020	40	0.9	0.01	0.35	0.25	0.02	0.09	0.2	8	17	6740	2.51	0.1	1.6	0.3	< 0.1	0.1	< 10	3.31	< 0.05	0.8	0.10
E885608	0.006	< 20	68.2	0.09	2.25	7.93	1.08	0.81	0.5	266	486	8310	11.4	1.6	113	2.1	0.3	0.7	< 10	0.65	4.78	46.0	0.50
E885609	2.36	< 20	68.7	0.15	1.13	8.59	1.18	0.60	0.9	269	487	> 10000	12.7	2.1	35.4	2.3	0.6	0.8	< 10	9.03	5.49	7.3	0.70
E885610	1.08	< 20	25.1	0.29	1.66	4.68	1.32	1.54	46.1	83	51	1880	7.50	2.1	27.4	1.8	0.7	0.6	840	> 100	1.50	17.6	0.60
E885611	0.026	30	1.7	0.01	0.15	0.32	0.07	0.14	71.3	14	37	2080	6.76	0.1	29.0	0.2	< 0.1	0.1	220	6.14	0.37	6.0	0.10
E885612	< 0.005	< 20	23.2	1.86	4.45	7.21	0.18	6.26	0.3	234	285	2590	7.83	1.4	94.3	1.7	0.5	0.6	30	0.52	0.62	45.8	0.50
E885613	< 0.005	< 20	33.0	0.19	1.11	7.50	2.04	2.06	0.1	28	71	1160	3.31	3.0	75.8	0.3	0.7	0.1	< 10	4.51	4.95	15.6	0.50
E885614	0.030	40	10.0	0.22	0.34	2.72	0.94	0.17	33.6	34	41	5220	9.54	1.6	30.6	0.7	0.3	0.3	230	18.2	4.64	4.0	0.30
E885615	6.28	< 20	< 0.5	< 0.01	0.88	0.06	0.02	0.29	14.5	5	12	> 10000	16.5	< 0.1	73.5	0.4	0.1	0.1	60	35.9	0.14	21.2	0.30
E885616	0.024	< 20	34.0	0.27	4.44	6.86	0.88	4.00	0.4	236	378	4600	10.6	1.5	184	2.5	0.9	0.8	< 10	1.99	4.53	59.5	0.60
E885617	0.005	< 20	0.6	< 0.01	1.45	0.18	0.02	0.09	0.8	14	17	> 10000	43.9	0.1	66.9	1.8	0.1	0.5	< 10	0.63	0.30	14.3	0.40
E885618	0.005	< 20	25.9	1.17	4.18	6.51	0.23	6.46	0.2	175	12	1220	7.34	1.8	98.1	1.6	0.4	0.5	20	0.17	0.79	46.5	0.40
E885619	< 0.005	< 20	25.0	1.97	3.95	7.85	0.18	5.68	0.6	233	283	2460	6.40	1.4	87.2	1.5	0.5	0.5	< 10	0.08	0.49	41.4	0.50
E885620	< 0.005	20	5.6	0.05	0.01	0.18	0.06	0.01	< 0.1	3	11	57	0.52	0.8	0.9	0.2	0.1	< 0.1	< 10	< 0.05	0.13	0.4	< 0.05
E885621	0.006	< 20	22.7	0.99	3.22	9.06	0.52	7.94	0.2	283	396	3320	6.26	1.5	160	1.8	0.6	0.6	10	0.17	1.85	67.7	0.70
E885622	0.027	< 20	50.4	0.65	2.34	7.57	1.23	3.01	0.1	225	129	1850	9.32	1.2	116	2.1	0.6	0.7	20	0.25	4.01	49.2	0.80
E885623	0.005	< 20	16.5	0.09	1.41	3.33	0.72	2.18	0.2	74	379	927	3.41	1.1	108	0.4	0.6	0.1	< 10	0.13	2.25	39.0	0.30
E885624	0.008	< 20	19.8	0.11	3.22	5.62	0.75	0.92	0.7	209	334	> 10000	21.7	1.0	132	3.4	0.3	0.9	< 10	< 0.05	3.78	31.8	0.50
E885625	< 0.005	< 20	4.0	0.01	0.31	2.63	0.10	0.73	0.5	78	152	> 10000	6.06	0.5	12.6	2.2	< 0.1	0.7	20	< 0.05	0.74	5.6	0.50
E885626	0.007	< 20	75.8	0.46	2.83	> 10.0	3.18	2.37	0.1	13	130	1290	6.16	17.4	55.1	7.2	5.0	2.3	< 10	0.23	20.6	9.5	3.00
E885627	0.020	< 20	2.0	0.01	1.30	0.72	0.08	0.31	0.2	28	44	3840	19.0	0.3	22.1	0.8	0.3	0.3	30	0.15	0.41	8.0	0.30
E885628	0.008	< 20	40.0	2.31	2.35	8.13	0.30	5.62	0.2	217	132	2470	8.91	1.5	133	2.5	0.5	0.9	20	0.09	0.60	58.8	0.90
E885629	0.013	< 20	26.8	0.19	0.86	2.91	0.94	0.61	< 0.1	10	11	745	4.13	5.2	9.4	1.0	0.7	0.4	50	0.21	6.95	9.1	0.50
E885630	1.12	< 20	24.3	0.28	1.66	4.65	1.32	1.51	43.7	81	46	1830	7.54	2.1	26.1	1.7	0.7	0.5	1310	> 100	1.48	17.5	0.50
E885631	< 0.005	< 20	34.8	0.22	2.18	8.55	0.93	3.43	0.1	51	47	3540	7.17	3.0	156	1.0	0.3	0.3	< 10	0.20	4.29	23.7	0.70
E885632	0.012	< 20	28.8	0.52	4.83	6.03	0.41	7.04	0.2	158	1870	4670	13.3	0.7	512	1.2	0.9	0.3	< 10	0.10	0.75	86.2	0.50
E885633	0.005	< 20	7.8	0.40	8.91	3.62	0.08	8.35	0.1	182	1500	1630	9.96	1.2	543	1.1	0.3	0.4	20	0.12	0.16	77.3	0.50

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
E885634	< 0.005	< 20	106	0.88	1.49	8.53	1.49	0.69	< 0.1	368	277	1420	8.40	1.7	106	1.7	0.6	0.5	10	0.12	1.85	41.1	0.80
E885635	0.017	< 20	8.3	2.81	2.64	8.13	0.40	5.78	< 0.1	315	10	1920	12.8	3.8	3.8	5.6	0.8	1.7	< 10	0.38	0.54	19.9	1.10
E885636	0.030	50	10.4	0.02	0.24	0.56	0.10	0.09	< 0.1	13	262	202	3.00	0.7	44.6	0.2	0.1	0.1	200	0.33	0.65	23.0	0.10
E885637	< 0.005	30	0.5	< 0.01	0.85	0.03	0.01	0.05	< 0.1	2	10	1610	10.7	< 0.1	7.7	0.1	0.4	< 0.1	1620	0.06	0.10	1.2	0.10
E885638	0.029	< 20	5.5	0.03	0.70	0.93	0.12	0.50	< 0.1	19	632	1350	5.58	0.8	77.3	0.3	0.3	0.1	1640	0.20	1.04	31.9	0.10
E885639	0.006	< 20	10.1	0.42	1.55	6.87	0.03	0.72	< 0.1	197	108	1750	6.39	1.0	32.0	1.4	0.2	0.4	10	0.10	0.19	17.7	0.30
E885640	< 0.005	20	5.8	0.06	0.02	0.22	0.08	0.02	< 0.1	3	12	61	0.57	0.7	1.3	0.2	0.1	0.1	20	< 0.05	0.16	0.5	0.10
E885641	0.006	< 20	41.7	0.25	1.89	8.36	0.61	2.55	0.1	370	144	2770	11.9	1.9	173	2.3	0.3	0.8	20	0.17	8.52	68.2	0.80
E885642	0.026	< 20	17.0	0.03	0.46	0.91	0.16	0.24	< 0.1	24	242	341	2.68	0.9	42.8	0.2	0.1	0.1	320	0.18	0.72	28.7	0.10
E885643	0.017	< 20	47.8	0.07	0.91	2.73	0.36	0.42	0.1	71	568	1010	3.62	1.5	74.5	0.5	0.3	0.2	110	0.09	1.25	18.5	0.20
E885644	< 0.005	< 20	86.2	0.17	2.26	7.66	2.03	3.69	0.2	181	16	1330	8.39	4.3	26.9	2.6	1.3	0.8	50	0.09	3.29	43.7	1.00
E885645	0.028	< 20	43.5	0.44	2.22	6.18	1.05	4.66	0.1	90	373	1400	1.38	1.2	156	0.9	0.3	0.3	50	0.47	3.06	39.9	0.40
E885833	< 0.005	< 20	17.2	2.50	1.61	7.25	0.81	4.67	0.1	72	22	2340	11.8	2.3	83.3	2.2	1.3	0.8	30	0.10	0.58	57.6	1.20
E885834	< 0.005	< 20	5.7	2.69	0.05	6.99	2.40	1.18	< 0.1	4	7	91	0.72	1.6	2.6	0.1	0.7	< 0.1	20	< 0.05	0.43	1.7	0.70
E885835	< 0.005	< 20	3.1	1.74	0.03	6.82	3.75	0.30	< 0.1	3	6	67	0.78	2.3	< 0.5	1.4	1.2	0.4	< 10	0.05	1.00	0.7	0.30
E881963	< 0.005	< 20	8.9	1.55	4.21	7.60	0.16	7.81	0.2	276	165	1700	9.41	0.5	124	2.5	0.3	0.8	20	0.31	0.09	49.4	0.80
GXR-4 Meas		< 20	11.5	0.53	1.62	7.02	4.42	0.99	0.2	86	40	151	3.04	1.3	39.0		2.0		< 10	3.94	2.49	14.7	1.20
GXR-4 Cert		4.50	11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	42.0		1.90		110	4.00	2.80	14.6	1.63
GXR-4 Meas		< 20	10.7	0.51	1.58	6.68	4.44	0.92	0.3	86	49	139	2.99	1.3	39.4		2.0		< 10	3.75	2.33	14.7	1.20
GXR-4 Cert		4.50	11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	42.0		1.90		110	4.00	2.80	14.6	1.63
SDC-1 Meas		< 20	36.3	1.57	0.96	8.40	1.46	0.97		45	43	848	4.68	0.7	34.9	3.5	3.0	1.1	< 10		3.45	17.6	1.40
SDC-1 Cert		13.00	34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	38.0	4.10	3.00	1.50	200.00		4.00	18.0	1.70
SDC-1 Meas		< 20	36.5	1.63	0.99	8.79	1.84	1.05		53	54	925	4.97	1.1	36.5	3.7	2.9	1.2	30		3.65	18.8	1.50
SDC-1 Cert		13.00	34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	38.0	4.10	3.00	1.50	200.00		4.00	18.0	1.70
GXR-6 Meas		< 20	33.5	0.09	0.56	> 10.0	1.57	0.15	< 0.1	122	58	1020	5.45	2.0	22.5		1.1		40	0.32	3.60	13.1	0.60
GXR-6 Cert		9.80	32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	27.0		1.40		68.0	1.30	4.20	13.8	0.760
OREAS 97 (4 Acid) Meas																				20.3		65.0	
OREAS 97 (4 Acid) Cert																				19.6		62.9	
OREAS 97 (4 Acid) Meas																				21.3		69.0	
OREAS 97 (4 Acid) Cert																				19.6		62.9	
OREAS 98 (4 Acid) Meas																				48.6		124	
OREAS 98 (4 Acid) Cert																				45.1		121	
OREAS 98 (4 Acid) Meas																				47.4		128	
OREAS 98 (4 Acid) Cert																				45.1		121	
DNC-1a Meas			5.2							154	165				275							57.9	0.50
DNC-1a Cert			5.2							148	270				247							57	0.59
DNC-1a Meas			5.0							153	172				280							59.4	0.50

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
DNC-1a Cert			5.2							148	270				247							57	0.59
SBC-1 Meas			171						0.3	218	89			3.4	86.5	3.5	3.4	1.1			7.05	22.5	1.70
SBC-1 Cert			163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40			8.2	22.7	1.98
SBC-1 Meas			169						0.4	219	90			3.4	85.3	3.4	3.2	1.1			6.91	22.5	1.70
SBC-1 Cert			163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40			8.2	22.7	1.98
OREAS 45d (4-Acid) Meas			22.5	0.10	0.24	8.09	0.46	0.17		102	543	487	14.6	2.2	239	1.4	0.8	0.4			3.48	30.6	0.50
OREAS 45d (4-Acid) Cert			21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830	231.0	1.38	0.79	0.46			3.910	29.50	0.57
OREAS 45d (4-Acid) Meas			20.5	0.10	0.22	7.72	0.44	0.17		128	548	464	13.5	2.3	232	1.3	0.8	0.4			3.14	29.2	0.50
OREAS 45d (4-Acid) Cert			21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830	231.0	1.38	0.79	0.46			3.910	29.50	0.57
OREAS 220 (Fire Assay) Meas	0.855																						
OREAS 220 (Fire Assay) Cert	0.866																						
OREAS 220 (Fire Assay) Meas	0.879																						
OREAS 220 (Fire Assay) Cert	0.866																						
OREAS 220 (Fire Assay) Meas	0.850																						
OREAS 220 (Fire Assay) Cert	0.866																						
OREAS 96 (4 Acid) Meas																				12.0		50.1	
OREAS 96 (4 Acid) Cert																				11.5		49.9	
OREAS 96 (4 Acid) Meas																				12.5		53.1	
OREAS 96 (4 Acid) Cert																				11.5		49.9	
OREAS 209 (Fire Assay) Meas	1.53																						
OREAS 209 (Fire Assay) Cert	1.58																						
OREAS 209 (Fire Assay) Meas	1.57																						
OREAS 209 (Fire Assay) Cert	1.58																						
E885701 Orig	0.005																						
E885701 Dup	< 0.005																						
E885608 Orig		< 20	68.2	0.09	2.25	7.93	1.08	0.81	0.5	266	486	8310	11.4	1.6	113	2.1	0.3	0.7	< 10	0.65	4.78	46.0	0.50
E885608 Dup		< 20	67.8	0.09	2.31	7.82	1.21	0.81	0.4	268	467	8320	11.4	1.6	116	2.1	0.3	0.7	< 10	0.63	4.79	46.9	0.50
E885611 Orig	0.026																						
E885611 Dup	0.027																						

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
E885613 Orig		< 20	33.0	0.19	1.11	7.50	2.04	2.06	0.1	28	71	1160	3.31	3.0	75.8	0.3	0.7	0.1	< 10	4.51	4.95	15.6	0.50
E885613 Dup		< 20	32.7	0.19	1.11	7.43	1.79	2.06	0.1	28	63	1200	3.37	3.3	76.7	0.3	0.6	0.1	50	4.67	5.09	16.3	0.50
E885622 Orig	0.027																						
E885622 Dup	0.021																						
E885631 Orig	< 0.005																						
E885631 Dup	< 0.005																						
E885640 Orig	< 0.005	20	5.8	0.06	0.02	0.22	0.08	0.02	< 0.1	3	12	61	0.57	0.7	1.3	0.2	0.1	0.1	20	< 0.05	0.16	0.5	0.10
E885640 Dup	< 0.005	< 20	5.7	0.06	0.02	0.22	0.08	0.02	< 0.1	3	12	65	0.56	0.7	1.3	0.2	0.1	0.1	20	< 0.05	0.17	0.6	0.10
E885641 Orig	0.006	< 20	40.7	0.24	1.83	8.30	0.60	2.51	< 0.1	359	140	2720	11.7	1.8	170	2.3	0.3	0.8	20	0.17	8.11	66.8	0.75
E885641 Split	0.007	< 20	42.8	0.25	1.96	8.67	0.64	2.64	< 0.1	347	152	2920	12.5	1.8	180	2.3	0.4	0.7	< 10	0.17	8.34	70.9	0.80
E885641 Orig		< 20	41.7	0.25	1.89	8.36	0.61	2.55	0.1	370	144	2770	11.9	1.9	173	2.3	0.3	0.8	20	0.17	8.52	68.2	0.80
E885641 Dup		< 20	39.7	0.23	1.78	8.24	0.59	2.46	< 0.1	348	136	2680	11.6	1.8	167	2.2	0.3	0.7	20	0.17	7.70	65.4	0.70
E885833 Orig	< 0.005																						
E885833 Dup	< 0.005																						
Method Blank		20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	4	1	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	40	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		20	< 0.5	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.1	1	5	1	0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	20	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		30	< 0.5	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.1	1	4	7	< 0.01	< 0.1	< 0.5	< 0.1	0.1	< 0.1	20	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		30	< 0.5	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.1	1	4	2	0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	40	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		30	< 0.5	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.1	1	6	1	0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	10	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		20	< 0.5	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.1	1	5	3	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	50	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885701	0.09	0.3	88.4	20.8	0.5	57.2	12.5	116	0.5	0.19	< 0.1	< 1	< 0.1	< 0.1	556	20.1	47.4	5.3	22.2	4.9	3.6	0.4	2.5
E885702	0.15	0.4	21.6	22.9	3.3	58.9	5.3	77	5.2	1.96	< 0.1	< 1	0.2	< 0.1	895	1.9	7.1	0.8	4.0	1.1	1.4	0.2	1.1
E885703	0.09	0.2	5.4	21.3	1.6	80.5	8.8	20	4.6	0.25	< 0.1	< 1	0.1	< 0.1	418	0.7	1.2	0.1	0.5	0.4	0.6	0.1	1.2
E885751	0.05	0.5	83.7	15.6	0.3	6.5	17.9	17	0.1	0.16	< 0.1	< 1	< 0.1	< 0.1	35	2.4	6.9	1.1	5.7	1.8	2.7	0.5	3.0
E885752	0.05	0.5	99.7	19.6	5.1	0.2	21.1	24	0.3	0.16	< 0.1	< 1	0.1	< 0.1	11	3.7	10.0	1.4	7.4	2.3	3.3	0.5	3.5
E885753	0.05	0.4	97.7	18.8	1.7	24.9	18.1	38	0.2	0.10	< 0.1	< 1	< 0.1	< 0.1	187	2.0	5.9	1.0	4.7	2.0	2.6	0.5	3.0
E885754	0.11	2.8	110	6.0	11.1	3.1	12.5	42	2.2	1.38	< 0.1	< 1	0.3	0.2	12	11.1	21.0	2.3	9.4	1.8	2.0	0.2	1.6
E885755	0.05	0.5	137	16.9	0.3	1.5	21.1	23	0.2	0.14	< 0.1	< 1	< 0.1	< 0.1	23	3.3	9.3	1.4	7.3	2.2	3.2	0.6	3.7
E885756	0.05	0.6	102	16.1	< 0.1	1.2	19.4	24	0.3	0.12	< 0.1	< 1	0.1	< 0.1	19	3.1	8.6	1.3	6.7	2.2	3.0	0.5	3.4
E885757	0.04	0.6	94.7	17.2	0.5	0.8	19.9	19	0.1	0.09	< 0.1	< 1	< 0.1	< 0.1	18	3.0	8.4	1.3	6.7	2.3	2.9	0.5	3.2
E885758	0.08	0.3	43.1	18.5	1.9	30.0	2.4	117	2.8	0.23	< 0.1	< 1	< 0.1	< 0.1	360	21.1	36.8	3.4	10.9	1.4	1.0	0.1	0.4
E885601	0.07	0.5	41.3	20.3	0.5	0.9	37.4	75	0.4	0.08	< 0.1	< 1	< 0.1	< 0.1	39	2.2	6.3	1.0	5.3	2.8	4.9	0.9	6.1
E885602	0.09	0.7	105	12.3	2.3	6.7	13.9	39	1.8	0.36	< 0.1	< 1	1.4	< 0.1	181	5.1	10.4	1.2	5.3	1.5	1.9	0.3	2.4
E885603	0.21	1.1	54.8	19.5	21.9	51.6	20.7	50	0.4	0.21	< 0.1	< 1	0.2	< 0.1	130	4.9	12.3	1.6	8.5	2.7	3.2	0.6	3.5
E885605	0.07	0.6	97.0	20.6	0.1	7.1	21.9	47	0.4	0.13	< 0.1	< 1	< 0.1	< 0.1	71	5.2	13.3	1.9	9.3	2.9	3.4	0.6	3.8
E885606	0.34	0.9	102	16.9	2.1	12.5	17.6	42	1.0	0.16	< 0.1	< 1	< 0.1	< 0.1	55	2.1	5.9	0.9	4.8	1.4	2.3	0.4	3.0

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885607	0.80	0.2	95.4	0.6	111	0.3	4.0	2	< 0.1	0.35	< 0.1	< 1	1.5	< 0.1	2	1.2	2.0	0.2	1.0	0.3	0.4	0.1	0.4
E885608	0.16	0.6	124	14.8	26.7	60.1	18.1	61	2.6	0.47	< 0.1	< 1	0.7	< 0.1	136	4.7	9.7	1.1	4.8	1.3	2.2	0.4	3.1
E885609	0.31	0.5	2920	16.8	25.7	46.0	21.3	82	3.8	1.29	0.1	4	1.3	< 0.1	258	8.7	17.4	2.0	7.9	2.2	3.0	0.5	3.1
E885610	7.90	19.7	6260	14.0	340	39.9	15.5	74	3.8	8.16	3.1	17	31.1	0.1	78	11.4	24.6	3.3	13.2	3.7	2.9	0.5	2.5
E885611	2.50	0.6	> 10000	1.6	169	2.7	2.4	5	0.2	0.52	0.8	< 1	1.4	< 0.1	19	0.5	0.8	0.1	0.5	0.2	0.2	< 0.1	0.2
E885612	0.10	0.3	82.2	13.7	2.5	4.5	14.9	49	2.4	0.50	< 0.1	< 1	0.5	< 0.1	65	3.1	7.3	0.8	4.2	1.5	2.1	0.4	2.6
E885613	0.24	0.3	47.0	19.5	24.9	67.8	3.6	129	4.3	0.74	< 0.1	< 1	2.3	< 0.1	812	24.1	41.7	3.9	13.0	2.0	1.3	0.1	0.6
E885614	5.25	0.9	5200	7.9	219	34.1	7.7	58	3.8	1.48	0.7	3	7.6	< 0.1	67	8.9	16.6	1.7	5.8	1.1	1.1	0.2	1.0
E885615	9.94	0.3	2340	0.7	1390	0.7	5.9	5	0.1	0.39	0.3	2	29.8	0.1	3	1.8	2.5	0.3	1.1	0.2	0.6	0.1	0.7
E885616	0.20	0.7	160	13.7	7.3	36.1	20.3	56	2.3	0.30	< 0.1	< 1	2.6	< 0.1	185	6.9	14.5	1.7	7.6	1.7	2.9	0.5	3.4
E885617	0.09	0.3	315	1.1	1460	2.7	26.9	6	0.2	0.22	< 0.1	< 1	23.3	< 0.1	13	9.4	12.1	1.3	5.6	1.4	1.5	0.2	1.7
E885618	0.13	0.4	80.3	15.3	12.8	5.2	14.1	72	1.8	0.50	< 0.1	< 1	0.9	< 0.1	123	6.4	13.4	1.4	6.0	1.4	1.8	0.3	2.2
E885619	0.08	0.4	248	14.8	1.2	3.1	13.7	55	2.1	0.44	< 0.1	< 1	0.3	< 0.1	69	2.9	7.6	0.9	4.6	1.8	2.2	0.3	2.2
E885620	0.05	0.3	4.2	0.7	1.2	2.1	1.3	22	0.6	0.30	< 0.1	< 1	0.2	< 0.1	19	1.8	3.4	0.4	1.5	0.2	0.2	< 0.1	0.2
E885621	0.41	0.7	130	17.3	27.2	23.8	16.1	55	1.8	0.28	< 0.1	< 1	0.2	< 0.1	163	5.5	11.5	1.4	6.5	1.9	2.3	0.4	2.7
E885622	0.27	0.7	134	18.0	7.9	40.5	16.4	45	0.2	0.15	< 0.1	< 1	< 0.1	< 0.1	107	3.9	10.3	1.4	7.3	2.0	2.9	0.5	3.0
E885623	0.31	0.4	54.6	7.9	132	22.9	4.1	43	1.4	2.44	< 0.1	< 1	1.3	< 0.1	70	5.0	9.8	1.0	3.9	0.9	0.8	0.1	0.7
E885624	0.21	0.3	350	10.4	52.7	35.0	26.5	41	1.5	0.52	< 0.1	< 1	2.7	< 0.1	85	3.7	7.4	0.8	4.0	1.1	2.0	0.4	3.3
E885625	0.06	0.4	22.3	3.0	26.8	5.8	21.1	17	0.7	0.50	< 0.1	< 1	0.4	< 0.1	10	1.0	2.1	0.2	1.6	1.0	1.8	0.4	3.0
E885626	0.07	0.6	181	36.9	< 0.1	103	61.1	709	26.2	1.09	< 0.1	3	0.9	< 0.1	338	90.2	184	19.9	77.0	17.1	14.4	2.0	11.5
E885627	1.03	1.0	234	3.0	11.7	3.6	6.9	13	0.5	0.42	< 0.1	< 1	1.5	0.2	9	1.4	3.1	0.3	1.5	0.4	0.9	0.1	1.1
E885628	0.07	0.5	186	20.2	< 0.1	7.8	23.2	58	0.1	0.10	< 0.1	< 1	< 0.1	< 0.1	141	4.5	12.1	1.7	8.6	2.2	3.5	0.5	3.6
E885629	0.69	0.4	72.9	9.0	2.3	27.7	12.6	200	10.5	0.65	< 0.1	1	1.7	< 0.1	98	15.3	33.2	3.5	13.6	3.2	2.5	0.3	1.7
E885630	7.72	19.0	6190	13.6	330	38.8	15.6	75	3.7	7.93	2.8	17	34.5	0.2	75	11.1	24.2	3.2	13.0	3.3	2.8	0.4	2.4
E885631	0.10	0.5	82.2	19.9	3.6	29.8	9.8	78	8.6	0.53	< 0.1	< 1	0.4	< 0.1	61	33.1	60.3	5.5	19.2	3.3	2.8	0.3	1.8
E885632	0.90	0.6	177	12.2	18.0	13.0	9.6	28	1.2	0.31	< 0.1	< 1	0.8	0.2	61	2.6	5.9	0.7	3.2	0.8	1.2	0.2	1.7
E885633	0.35	0.6	103	10.1	1.4	0.6	10.1	44	1.9	0.15	< 0.1	< 1	0.2	< 0.1	11	1.6	5.1	0.9	4.5	1.5	1.9	0.3	1.8
E885634	0.08	1.9	149	17.9	1.1	30.4	13.1	63	2.1	0.36	0.1	1	< 0.1	< 0.1	249	5.6	14.0	1.8	9.2	2.2	2.6	0.4	2.4
E885635	1.02	5.0	105	21.9	< 0.1	5.4	45.5	147	3.6	0.43	< 0.1	< 1	< 0.1	< 0.1	66	11.2	27.1	2.9	11.1	3.0	5.3	1.0	7.6
E885636	1.40	1.2	32.0	1.6	11.5	4.4	1.7	27	0.4	2.68	< 0.1	< 1	0.8	0.2	18	1.5	3.1	0.3	1.5	0.1	0.3	< 0.1	0.2
E885637	0.14	0.3	26.5	0.6	12.7	0.5	1.4	1	< 0.1	0.21	< 0.1	< 1	4.1	< 0.1	16	0.5	0.9	0.1	0.4	0.1	0.1	< 0.1	0.1
E885638	0.61	1.1	39.1	2.5	6.6	7.0	2.9	29	1.0	2.96	< 0.1	< 1	1.4	0.1	64	1.9	3.7	0.4	1.6	0.4	0.4	0.1	0.4
E885639	0.38	0.9	29.0	14.9	1.6	0.8	10.7	36	0.1	0.15	< 0.1	< 1	< 0.1	< 0.1	2	1.4	3.3	0.4	1.7	0.7	1.2	0.2	1.6
E885640	0.05	0.3	6.4	0.8	1.6	2.9	1.9	21	0.6	0.33	< 0.1	< 1	0.2	< 0.1	19	2.8	5.9	0.7	2.4	0.5	0.3	0.1	0.3
E885641	0.18	1.0	109	19.8	19.7	26.2	17.6	72	3.1	0.44	< 0.1	< 1	0.1	< 0.1	75	4.9	13.1	1.8	9.0	2.4	3.4	0.5	3.8
E885642	1.67	0.8	43.6	2.7	12.9	8.4	2.2	35	0.7	2.37	< 0.1	< 1	0.6	0.1	39	1.8	3.4	0.4	1.5	0.3	0.2	< 0.1	0.4
E885643	0.50	0.6	78.4	7.2	14.4	15.8	4.5	58	2.9	4.38	< 0.1	< 1	0.9	< 0.1	72	3.5	7.4	0.8	3.2	0.7	0.6	0.1	0.7
E885644	0.29	0.7	159	23.2	4.2	61.5	21.8	168	0.6	0.60	< 0.1	< 1	< 0.1	< 0.1	728	20.7	43.4	4.8	20.6	3.5	4.3	0.6	3.9
E885645	0.24	0.3	99.7	15.8	489	28.5	7.6	49	0.1	0.14	< 0.1	< 1	0.9	< 0.1	701	10.7	19.7	2.1	7.6	1.7	1.3	0.2	1.2
E885833	0.26	0.5	154	20.7	0.8	26.2	19.4	96	0.4	0.26	< 0.1	< 1	< 0.1	< 0.1	179	16.7	40.9	5.1	23.0	4.6	4.3	0.6	3.9
E885834	0.06	0.4	6.8	18.0	1.0	55.9	1.2	36	0.8	0.85	< 0.1	< 1	< 0.1	< 0.1	1050	3.0	4.2	0.4	1.3	0.5	0.2	< 0.1	0.1
E885835	0.07	0.3	7.6	17.0	0.8	140	10.7	41	5.3	0.32	< 0.1	< 1	< 0.1	< 0.1	178	2.4	5.3	0.6	2.8	0.8	1.6	0.3	1.9
E881963	0.07	0.6	104	17.9	< 0.1	1.2	20.7	11	1.3	0.17	< 0.1	< 1	< 0.1	< 0.1	26	3.0	8.4	1.3	6.7	2.3	3.1	0.5	3.6

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
GXR-4 Meas	19.5	6.2	71.3	19.4	102	153	13.2	47	9.4	315	0.3	8	4.4	0.9	237	55.3	108		39.9	6.4	4.8	0.5	2.6
GXR-4 Cert	19.0	5.60	73.0	20.0	98.0	160	14.0	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
GXR-4 Meas	18.1	6.2	69.3	18.1	101	149	12.9	46	9.2	316	0.2	7	4.2	0.9	206	56.5	109		40.6	6.1	4.5	0.5	2.5
GXR-4 Cert	19.0	5.60	73.0	20.0	98.0	160	14.0	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
SDC-1 Meas			105	25.0	< 0.1	60.3		23	0.1			< 1	< 0.1		605	38.1	85.0		38.6	7.1	6.9	1.0	5.6
SDC-1 Cert			103.00	21.00	0.220	127.00		290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
SDC-1 Meas			112	24.5	< 0.1	78.2		37	0.6			< 1	< 0.1		662	41.0	90.5		40.8	8.7	7.3	1.0	5.8
SDC-1 Cert			103.00	21.00	0.220	127.00		290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
GXR-6 Meas	0.20	0.8	129	35.1	237	63.6	12.2	71	0.1	0.73	< 0.1	< 1	0.5	< 0.1	1220	12.2	33.0		11.9	2.5	2.3	0.3	2.1
GXR-6 Cert	0.290	0.940	118	35.0	330	90.0	14.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80
OREAS 97 (4 Acid) Meas	41.3	72.8	604									98	6.8										
OREAS 97 (4 Acid) Cert	40.1	71.4	646									95.7	9.23										
OREAS 97 (4 Acid) Meas	41.0	71.2	637									103	6.8										
OREAS 97 (4 Acid) Cert	40.1	71.4	646									95.7	9.23										
OREAS 98 (4 Acid) Meas	97.2	173	1320									> 200	11.3										
OREAS 98 (4 Acid) Cert	97.2	158	1360									206	20.1										
OREAS 98 (4 Acid) Meas	94.5	161	1340									> 200	7.4										
OREAS 98 (4 Acid) Cert	97.2	158	1360									206	20.1										
DNC-1a Meas			70.9	14.9		3.3	15.6	39	1.5				0.8		101	3.4			4.8				
DNC-1a Cert			70	15		5	18.0	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas			69.7	14.8		3.4	15.3	37	1.4				0.7		101	3.4			4.8				
DNC-1a Cert			70	15		5	18.0	38.0	3				0.96		118	3.6			5.20				
SBC-1 Meas	0.74		199	30.7	25.4	113	30.2	122	13.5	2.19		4	0.9		709	47.5	106	12.0	46.1	9.7	8.4	1.1	6.1
SBC-1 Cert	0.70		186	27.0	25.7	147	36.5	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
SBC-1 Meas	0.69		209	29.6	25.8	125	29.4	119	13.7	2.22		3	0.9		665	46.6	101	11.5	46.4	8.7	7.6	1.0	5.7
SBC-1 Cert	0.70		186	27.0	25.7	147	36.5	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
OREAS 45d (4-Acid) Meas	0.34		44.1	22.2	6.7	41.8	10.9	91	0.3	0.24	< 0.1	< 1	< 0.1		176	15.8	35.2	3.6	13.4	2.9	2.4	0.4	2.3
OREAS 45d (4-Acid) Cert	0.31		45.7	21.20	13.8	42.1	9.53	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 45d (4-Acid) Meas	0.34		42.8	20.9	8.3	38.5	10.0	88	0.7	0.81	< 0.1	< 1	< 0.1		169	15.0	33.3	3.3	12.7	2.7	2.3	0.3	2.0
OREAS 45d (4-Acid) Cert	0.31		45.7	21.20	13.8	42.1	9.53	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 96 (4 Acid) Meas	27.5	43.8	439									69	4.9										
OREAS 96 (4 Acid) Cert	26.3	40.7	457									65.6	5.09										
OREAS 96 (4 Acid) Meas	27.6	42.9	465									71	5.0										
OREAS 96 (4 Acid) Cert	26.3	40.7	457									65.6	5.09										
OREAS 209 (Fire Assay) Meas																							
OREAS 209 (Fire Assay) Cert																							
OREAS 209 (Fire Assay) Meas																							
OREAS 209 (Fire Assay) Cert																							
E885701 Orig																							
E885701 Dup																							
E885608 Orig	0.16	0.6	124	14.8	26.7	60.1	18.1	61	2.6	0.47	< 0.1	< 1	0.7	< 0.1	136	4.7	9.7	1.1	4.8	1.3	2.2	0.4	3.1
E885608 Dup	0.16	0.8	120	14.5	26.8	64.8	18.2	61	2.7	0.47	< 0.1	< 1	0.7	< 0.1	138	4.9	9.9	1.1	5.0	1.1	2.3	0.4	3.0
E885611 Orig																							
E885611 Dup																							
E885613 Orig	0.24	0.3	47.0	19.5	24.9	67.8	3.6	129	4.3	0.74	< 0.1	< 1	2.3	< 0.1	812	24.1	41.7	3.9	13.0	2.0	1.3	0.1	0.6
E885613 Dup	0.26	0.4	49.2	20.5	24.3	59.7	3.7	134	4.2	0.73	< 0.1	< 1	2.4	< 0.1	826	24.9	43.1	4.1	13.4	2.1	1.4	0.1	0.7
E885622 Orig																							
E885622 Dup																							
E885631 Orig																							
E885631 Dup																							
E885640 Orig	0.05	0.3	6.4	0.8	1.6	2.9	1.9	21	0.6	0.33	< 0.1	< 1	0.2	< 0.1	19	2.8	5.9	0.7	2.4	0.5	0.3	0.1	0.3
E885640 Dup	0.05	0.3	4.5	0.8	1.0	3.0	1.8	19	0.6	0.29	< 0.1	< 1	0.2	< 0.1	19	2.6	5.4	0.6	2.2	0.5	0.4	0.1	0.3
E885641 Orig	0.18	1.0	108	19.3	19.5	25.3	17.0	70	3.1	0.38	< 0.1	< 1	0.1	< 0.1	71	4.6	12.3	1.8	8.5	2.3	3.2	0.5	3.5
E885641 Split	0.19	1.0	114	20.2	18.9	25.9	17.6	68	2.2	0.31	< 0.1	< 1	0.1	< 0.1	73	4.6	12.2	1.7	8.6	2.6	3.4	0.5	3.3
E885641 Orig	0.18	1.0	109	19.8	19.7	26.2	17.6	72	3.1	0.44	< 0.1	< 1	0.1	< 0.1	75	4.9	13.1	1.8	9.0	2.4	3.4	0.5	3.8
E885641 Dup	0.17	1.0	107	18.9	19.2	24.3	16.5	68	3.1	0.32	< 0.1	< 1	0.1	< 0.1	67	4.2	11.6	1.7	7.9	2.2	3.0	0.5	3.2
E885833 Orig																							
E885833 Dup																							
Method Blank	0.04	0.1	0.6	0.2	0.2	< 0.2	< 0.1	< 1	< 0.1	0.10	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.04	0.4	< 0.2	0.2	0.4	< 0.2	< 0.1	< 1	< 0.1	0.31	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Method Blank	0.04	0.4	< 0.2	0.2	< 0.1	< 0.2	< 0.1	< 1	< 0.1	0.09	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.04	0.1	< 0.2	0.2	0.4	< 0.2	< 0.1	< 1	< 0.1	0.11	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.03	< 0.1	< 0.2	0.2	0.4	< 0.2	< 0.1	< 1	< 0.1	0.06	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.03	0.1	0.5	0.2	0.4	< 0.2	< 0.1	< 1	< 0.1	0.13	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885701	11.2	0.2	0.2	1.1	0.1	< 0.1	599	0.1	< 0.001	0.40	9.8	5.3	0.6
E885702	10.3	0.1	0.1	0.5	0.1	0.2	271	0.4	< 0.001	0.54	18.7	9.9	3.9
E885703	1.9	0.2	0.2	1.2	0.2	1.0	222	0.6	< 0.001	0.98	34.0	13.5	5.3
E885751	143	0.2	0.3	2.0	0.2	< 0.1	66.0	0.2	0.001	< 0.05	< 0.5	0.2	0.1
E885752	116	0.4	0.3	2.2	0.3	< 0.1	219	0.1	0.001	< 0.05	0.9	0.4	0.1
E885753	64.4	0.2	0.3	2.0	0.3	< 0.1	22.7	0.1	< 0.001	< 0.05	< 0.5	0.3	0.1
E885754	47.1	0.1	0.2	1.2	0.2	0.1	11.2	0.7	< 0.001	< 0.05	2.6	1.7	0.4
E885755	136	0.4	0.3	2.2	0.3	< 0.1	163	0.1	0.001	< 0.05	< 0.5	0.3	0.1
E885756	135	0.6	0.3	2.1	0.3	< 0.1	149	0.1	< 0.001	< 0.05	< 0.5	0.3	0.1
E885757	89.5	0.3	0.3	2.1	0.2	< 0.1	62.7	0.1	< 0.001	< 0.05	< 0.5	0.3	0.1
E885758	28.3	0.1	< 0.1	0.2	< 0.1	0.1	375	0.2	< 0.001	0.09	5.8	4.1	0.4
E885601	4.3	0.5	0.6	4.1	0.6	< 0.1	115	0.1	0.001	< 0.05	0.8	1.2	0.4
E885602	114	0.7	0.2	1.6	0.2	0.1	88.1	0.6	< 0.001	< 0.05	6.4	1.8	0.5
E885603	264	0.5	0.4	2.5	0.3	< 0.1	52.6	0.1	0.002	0.53	29.6	0.6	0.2
E885605	154	0.5	0.4	2.5	0.3	< 0.1	92.3	0.1	< 0.001	< 0.05	< 0.5	0.5	0.2
E885606	262	0.3	0.3	2.2	0.3	< 0.1	110	0.2	< 0.001	< 0.05	3.0	0.6	0.2
E885607	23.5	0.1	< 0.1	0.2	< 0.1	< 0.1	3.2	0.5	< 0.001	< 0.05	129	< 0.1	< 0.1
E885608	75.1	0.6	0.3	2.1	0.3	0.2	7.4	0.8	< 0.001	0.99	92.5	2.4	0.7
E885609	88.0	0.2	0.3	2.1	0.3	0.3	29.6	3.6	< 0.001	0.98	349	3.4	0.8
E885610	1970	0.2	0.3	1.8	0.3	0.1	78.4	2.8	0.012	5.73	> 5000	3.1	2.1
E885611	298	0.1	< 0.1	0.2	< 0.1	< 0.1	1.9	0.8	< 0.001	< 0.05	154	0.1	0.1
E885612	1.8	0.4	0.3	1.7	0.2	0.2	184	0.3	< 0.001	< 0.05	13.0	2.0	0.5
E885613	13.2	0.2	< 0.1	0.3	< 0.1	0.3	80.0	0.7	< 0.001	1.24	109	8.6	1.8
E885614	298	0.1	0.1	0.9	0.1	0.3	21.0	2.5	< 0.001	1.64	488	5.8	1.4
E885615	50.0	0.1	0.1	0.5	0.1	< 0.1	0.5	0.6	< 0.001	< 0.05	613	0.1	0.2
E885616	230	0.2	0.3	2.3	0.3	0.2	39.0	0.5	< 0.001	0.42	33.2	2.0	0.6
E885617	41.4	0.2	0.3	1.8	0.3	< 0.1	1.9	0.7	< 0.001	< 0.05	3.9	0.1	0.7
E885618	30.4	0.7	0.2	1.5	0.2	0.1	95.1	0.3	< 0.001	< 0.05	8.6	2.4	0.9
E885619	35.6	0.8	0.2	1.5	0.2	0.2	91.6	0.3	< 0.001	< 0.05	7.8	2.3	0.6
E885620	1.4	0.2	< 0.1	0.2	< 0.1	< 0.1	2.6	0.3	< 0.001	< 0.05	< 0.5	1.0	0.4
E885621	78.9	0.5	0.3	1.8	0.2	0.1	134	0.8	< 0.001	0.15	11.2	1.6	0.4
E885622	102	0.4	0.3	2.0	0.3	< 0.1	30.1	0.1	< 0.001	0.46	7.5	0.5	0.2

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885623	48.9	0.9	0.1	0.4	0.1	< 0.1	43.7	0.4	< 0.001	0.19	10.8	1.8	0.5
E885624	10.2	0.2	0.5	3.8	0.6	0.1	17.7	0.5	< 0.001	0.40	4.1	1.0	0.6
E885625	1.0	0.1	0.3	2.0	0.3	< 0.1	1.1	0.4	< 0.001	< 0.05	< 0.5	0.4	0.2
E885626	< 0.2	1.0	0.9	5.9	0.8	1.4	197	0.3	0.001	1.09	23.6	29.1	8.5
E885627	62.5	0.1	0.1	0.9	0.1	< 0.1	0.9	0.3	< 0.001	< 0.05	< 0.5	0.4	0.1
E885628	182	0.3	0.4	2.6	0.3	< 0.1	120	0.1	< 0.001	< 0.05	3.6	0.5	0.2
E885629	75.3	0.4	0.1	0.8	0.1	0.8	22.7	0.5	< 0.001	0.26	10.8	8.8	2.1
E885630	1940	0.2	0.2	1.8	0.2	0.1	74.9	3.4	0.010	5.48	> 5000	2.9	1.9
E885631	46.9	0.2	0.2	1.0	0.1	0.9	34.2	0.6	< 0.001	0.39	15.7	16.0	3.3
E885632	109	0.1	0.2	1.2	0.1	< 0.1	11.5	24.5	0.005	0.10	0.6	0.9	0.3
E885633	93.9	0.8	0.2	1.0	0.1	0.1	10.9	0.4	< 0.001	< 0.05	< 0.5	0.5	0.1
E885634	195	0.7	0.3	1.7	0.2	< 0.1	44.8	0.3	< 0.001	0.32	2.9	0.4	0.1
E885635	250	0.6	0.8	5.5	0.7	0.1	167	0.2	0.007	< 0.05	3.7	1.6	0.3
E885636	87.3	0.1	< 0.1	0.2	< 0.1	< 0.1	9.6	0.8	< 0.001	0.15	< 0.5	1.3	0.6
E885637	7.7	0.2	< 0.1	0.1	< 0.1	< 0.1	0.9	1.8	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
E885638	132	0.1	0.1	0.4	0.1	< 0.1	12.7	2.7	< 0.001	0.14	< 0.5	2.1	0.7
E885639	54.1	0.3	0.2	1.3	0.2	< 0.1	57.5	0.1	< 0.001	< 0.05	2.0	0.2	0.2
E885640	2.2	0.1	< 0.1	0.3	< 0.1	< 0.1	3.5	0.2	< 0.001	< 0.05	< 0.5	1.2	0.3
E885641	272	0.8	0.3	2.4	0.3	0.2	49.0	0.4	0.001	0.22	1.7	0.7	0.2
E885642	118	0.1	0.1	0.3	< 0.1	< 0.1	12.8	1.4	< 0.001	0.15	1.0	1.5	0.6
E885643	68.2	0.1	0.1	0.6	0.1	0.2	26.9	4.2	< 0.001	0.35	2.5	3.0	1.1
E885644	85.3	0.3	0.4	2.5	0.3	< 0.1	128	0.1	< 0.001	0.76	16.3	8.2	2.5
E885645	20.6	0.5	0.1	1.0	0.1	< 0.1	37.1	0.1	< 0.001	0.27	15.5	1.6	0.7
E885833	136	0.3	0.3	2.1	0.3	< 0.1	234	0.1	< 0.001	0.09	8.2	2.1	0.9
E885834	6.8	0.4	< 0.1	0.1	< 0.1	< 0.1	237	0.1	< 0.001	0.38	20.8	1.0	0.7
E885835	2.9	0.4	0.2	1.6	0.2	0.4	76.5	0.4	< 0.001	1.32	36.0	43.5	2.3
E881963	115	0.5	0.4	2.4	0.3	< 0.1	124	0.1	< 0.001	< 0.05	< 0.5	0.4	0.1
GXR-4 Meas	6310		0.2	1.0	0.1	0.5	228	37.4		3.50	50.1	19.8	5.8
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	221	30.8		3.20	52.0	22.5	6.20
GXR-4 Meas	6280		0.2	1.0	0.1	0.5	215	33.7		3.40	49.0	19.5	5.7
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	221	30.8		3.20	52.0	22.5	6.20
SDC-1 Meas	27.8		0.5	3.2		< 0.1	165	0.1		0.59	24.0	11.8	2.8
SDC-1 Cert	30.000		0.65	4.00		1.20	180.00	0.80		0.70	25.00	12.00	3.10
SDC-1 Meas	29.8		0.5	3.4		< 0.1	182	0.1		0.62	24.5	12.3	2.9
SDC-1 Cert	30.000		0.65	4.00		1.20	180.00	0.80		0.70	25.00	12.00	3.10
GXR-6 Meas	65.4			1.6	0.2	< 0.1	37.4	0.1		2.30	102	5.2	1.4
GXR-6 Cert	66.0			2.40	0.330	0.485	35.0	1.90		2.20	101	5.30	1.54
OREAS 97 (4 Acid) Meas	> 10000										149		
OREAS 97 (4 Acid) Cert	63100.00										147		
OREAS 97 (4 Acid) Meas	> 10000										150		
OREAS 97 (4	63100.										147		

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Acid) Cert	00												
OREAS 98 (4 Acid) Meas	> 10000										353		
OREAS 98 (4 Acid) Cert	14800 0.0										345		
OREAS 98 (4 Acid) Meas	> 10000										347		
OREAS 98 (4 Acid) Cert	14800 0.0										345		
DNC-1a Meas	99.2			1.9			149				5.5		
DNC-1a Cert	100			2.0			144				6.3		
DNC-1a Meas	97.8			1.9			142				5.2		
DNC-1a Cert	100			2.0			144				6.3		
SBC-1 Meas	30.0		0.5	3.4	0.5	0.8	188	1.6		0.92	37.0	15.5	5.9
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	178.0	1.60		0.89	35.0	15.8	5.76
SBC-1 Meas	29.0		0.5	3.3	0.5	0.8	177	1.5		0.90	39.4	15.5	5.8
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	178.0	1.60		0.89	35.0	15.8	5.76
OREAS 45d (4-Acid) Meas	374			1.4	0.2	< 0.1	31.9	0.1		0.18	21.0	14.7	2.9
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	31.30	1.62		0.27	21.8	14.5	2.63
OREAS 45d (4-Acid) Meas	356			1.3	0.2	< 0.1	29.1	0.1		0.15	20.0	13.8	2.7
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	31.30	1.62		0.27	21.8	14.5	2.63
OREAS 220 (Fire Assay) Meas													
OREAS 220 (Fire Assay) Cert													
OREAS 220 (Fire Assay) Meas													
OREAS 220 (Fire Assay) Cert													
OREAS 220 (Fire Assay) Meas													
OREAS 220 (Fire Assay) Cert													
OREAS 96 (4 Acid) Meas	> 10000										101		
OREAS 96 (4 Acid) Cert	39300										101		
OREAS 96 (4 Acid) Meas	> 10000										101		
OREAS 96 (4 Acid) Cert	39300										101		
OREAS 209 (Fire Assay) Meas													

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
OREAS 209 (Fire Assay) Cert													
OREAS 209 (Fire Assay) Meas													
OREAS 209 (Fire Assay) Cert													
E885701 Orig													
E885701 Dup													
E885608 Orig	75.1	0.6	0.3	2.1	0.3	0.2	7.4	0.8	< 0.001	0.99	92.5	2.4	0.7
E885608 Dup	74.5	0.5	0.3	2.1	0.3	0.2	6.9	1.1	< 0.001	1.00	93.7	2.5	0.7
E885611 Orig													
E885611 Dup													
E885613 Orig	13.2	0.2	< 0.1	0.3	< 0.1	0.3	80.0	0.7	< 0.001	1.24	109	8.6	1.8
E885613 Dup	18.3	0.2	< 0.1	0.3	< 0.1	0.3	82.7	0.8	< 0.001	1.26	111	8.8	1.9
E885622 Orig													
E885622 Dup													
E885631 Orig													
E885631 Dup													
E885640 Orig	2.2	0.1	< 0.1	0.3	< 0.1	< 0.1	3.5	0.2	< 0.001	< 0.05	< 0.5	1.2	0.3
E885640 Dup	1.6	0.1	< 0.1	0.2	< 0.1	< 0.1	3.2	0.2	< 0.001	< 0.05	0.7	1.2	0.3
E885641 Orig	269	0.8	0.3	2.3	0.3	0.2	47.5	0.4	< 0.001	0.20	1.6	0.6	0.2
E885641 Split	290	0.8	0.3	2.3	0.3	0.1	49.2	0.1	0.002	0.21	1.6	0.6	0.2
E885641 Orig	272	0.8	0.3	2.4	0.3	0.2	49.0	0.4	0.001	0.22	1.7	0.7	0.2
E885641 Dup	266	0.8	0.3	2.1	0.3	0.2	45.9	0.5	< 0.001	0.18	1.5	0.5	0.2
E885833 Orig													
E885833 Dup													
Method Blank	0.3	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	0.4	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	< 0.2	0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	0.7	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	0.5	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	0.4	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank													
Method Blank													
Method Blank													
Method Blank													

Date Submitted: 03-Oct-18
Invoice No.: A18-14383
Invoice Date: 09-Nov-18
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

11 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4 Total Digestion ICP/MS

REPORT **A18-14383**

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

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
E886152	0.005	< 20	3.9	0.01	13.9	1.03	0.01	6.01	< 0.1	45	384	1260	4.62	0.1	905	0.2	< 0.1	< 0.1	30	< 0.05	0.08	47.1	0.17
E886153	0.006	130	3.8	0.04	8.59	0.62	< 0.01	3.91	< 0.1	18	778	940	3.89	< 0.1	563	0.2	< 0.1	< 0.1	20	0.10	0.12	41.5	0.09
E886154	< 0.005	220	4.8	0.20	3.50	2.48	< 0.01	3.44	< 0.1	62	748	503	2.38	0.2	208	0.4	0.2	0.1	< 10	< 0.05	0.09	14.3	0.30
E886155	< 0.005	140	1.8	0.08	3.37	0.79	0.01	5.29	< 0.1	29	218	626	1.68	0.2	122	0.3	0.2	0.2	30	< 0.05	< 0.05	4.5	0.37
E886156	0.013	< 20	5.7	0.03	9.82	1.00	< 0.01	10.4	0.3	35	497	1830	4.94	0.1	528	0.5	0.1	0.2	30	< 0.05	< 0.05	46.9	0.57
E886157	0.502	< 20	< 0.5	< 0.01	1.16	0.21	0.01	0.19	26.6	11	20	> 10000	12.1	< 0.1	72.4	0.8	0.2	0.2	20	64.4	0.06	11.9	0.24
E886158	< 0.005	30	2.6	0.02	6.00	< 0.01	< 0.01	1.89	0.1	17	287	639	2.72	< 0.1	216	0.2	< 0.1	< 0.1	20	0.19	0.05	15.8	0.06
E886159	0.034	< 20	9.7	0.01	11.6	1.84	< 0.01	5.67	0.2	55	1440	1330	5.90	0.2	975	0.3	< 0.1	0.2	10	4.21	0.10	61.3	0.27
E886160	< 0.005	< 20	5.6	0.04	0.03	0.23	0.08	0.02	< 0.1	3	11	57	0.50	0.5	2.6	0.2	< 0.1	< 0.1	50	< 0.05	0.20	0.6	< 0.05
E886161	0.008	< 20	0.9	0.02	3.16	0.01	< 0.01	0.91	< 0.1	10	143	400	1.87	< 0.1	105	< 0.1	< 0.1	< 0.1	50	0.18	< 0.05	8.3	< 0.05
E886162	0.015	< 20	11.9	0.01	14.4	1.79	< 0.01	6.70	0.1	50	1600	1390	5.64	0.2	1430	0.3	0.2	< 0.1	30	0.05	0.10	81.9	0.15
GXR-4 Meas		< 20	11.4	0.56	1.81	6.79	4.34	1.01	0.3	93	56	160	3.31	1.3	40.6		2.0		< 10	3.73	2.39	15.0	1.39
GXR-4 Cert		4.50	11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	42.0		1.90		110	4.00	2.80	14.6	1.63
SDC-1 Meas		< 20	38.2	1.56	1.01	8.79	2.06	1.06		35	56	884	4.98	1.0	35.4	3.6	3.0	1.3	20		3.58	18.0	1.47
SDC-1 Cert		13.00	34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	38.0	4.10	3.00	1.50	200.00		4.00	18.0	1.70
GXR-6 Meas		< 20	35.9	0.10	0.57	> 10.0	1.91	0.16	0.1	192	79	1060	5.58	2.9	23.1		0.9		< 10	0.35	3.77	13.3	0.61
GXR-6 Cert		9.80	32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	27.0		1.40		68.0	1.30	4.20	13.8	0.760
OREAS 97 (4 Acid) Meas																				20.5		67.9	
OREAS 97 (4 Acid) Cert																				19.6		62.9	
OREAS 98 (4 Acid) Meas																				46.8		124	
OREAS 98 (4 Acid) Cert																				45.1		121	
DNC-1a Meas			5.0	1.45				7.92		149	148		6.68		252							54.7	0.55
DNC-1a Cert			5.2	1.40				8.21		148	270		6.97		247							57	0.59
DNC-1a Meas			5.1	1.45				8.56		159	150		7.21		266							56.9	0.52
DNC-1a Cert			5.2	1.40				8.21		148	270		6.97		247							57	0.59
SBC-1 Meas			173						0.4	215	98			3.4	78.6	3.4	3.3	1.2			7.26	21.0	1.79
SBC-1 Cert			163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40			8.2	22.7	1.98
SBC-1 Meas			181						0.4	224	105			3.4	84.0	3.4	3.3	1.2			7.02	22.5	1.77
SBC-1 Cert			163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40			8.2	22.7	1.98
OREAS 45d (4-Acid) Meas			22.6	0.10	0.24	8.64	0.44	0.19		154	548	511	15.0	2.7	231	1.4	0.7	0.4			3.37	30.6	0.62
OREAS 45d (4-Acid) Cert			21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830	231.0	1.38	0.79	0.46			3.910	29.50	0.57
OREAS 220 (Fire Assay) Meas	0.841																						
OREAS 220 (Fire Assay) Cert	0.866																						
OREAS 96 (4 Acid) Meas																				11.3		51.0	
OREAS 96 (4 Acid) Cert																				11.5		49.9	

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
OREAS 621 (4 Acid) Meas			15.4	1.39	0.39	7.21	2.27	2.06	311	35	38	544	3.92	4.6	28.6		2.0			68.1	3.01	30.1	
OREAS 621 (4 Acid) Cert			14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41	26.2		1.69			69.0	3.28	29.3	
OREAS 209 (Fire Assay) Meas	1.58																						
OREAS 209 (Fire Assay) Cert	1.58																						
E886152 Orig	0.005																						
E886152 Dup	< 0.005																						
E886157 Orig		< 20	< 0.5	< 0.01	1.16	0.21	0.01	0.19	26.6	11	20	> 10000	12.1	< 0.1	72.4	0.8	0.2	0.2	20	64.4	0.06	11.9	0.24
E886157 Dup		< 20	< 0.5	< 0.01	1.07	0.19	0.01	0.15	26.1	10	15	> 10000	11.4	< 0.1	68.9	0.7	0.2	0.2	< 10	60.5	0.06	11.3	0.28
Method Blank		< 20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	3	2	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	20	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		< 20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	4	1	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 10	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		< 20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	2	1	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	20	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank	< 0.005																						
Method Blank	< 0.005																						

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E886152	< 0.02	< 0.1	33.8	1.9	16.1	0.5	2.2	4	< 0.1	0.26	< 0.1	< 1	1.5	< 0.1	8	0.7	1.7	0.2	1.1	0.2	0.3	< 0.1	0.4
E886153	< 0.02	0.3	31.5	1.3	346	0.4	1.7	2	< 0.1	0.29	< 0.1	< 1	2.1	< 0.1	9	0.4	0.9	0.1	0.6	0.1	0.2	< 0.1	0.3
E886154	0.03	< 0.1	30.8	4.9	41.8	0.4	3.2	10	< 0.1	0.43	< 0.1	< 1	1.7	< 0.1	3	1.5	3.7	0.5	2.3	1.0	0.9	0.1	0.8
E886155	0.03	< 0.1	11.7	1.7	9.5	0.5	3.2	7	< 0.1	0.24	< 0.1	< 1	1.5	< 0.1	9	0.9	2.7	0.4	1.9	0.9	0.6	< 0.1	0.7
E886156	0.08	0.2	34.2	2.1	343	0.3	3.8	5	< 0.1	0.31	< 0.1	< 1	2.7	< 0.1	4	1.3	3.2	0.4	2.1	0.6	0.8	0.1	0.7
E886157	40.3	0.2	3580	1.0	489	0.6	9.6	4	< 0.1	0.24	0.3	2	56.5	0.1	7	1.0	1.4	0.1	0.7	0.2	0.5	0.1	0.9
E886158	0.08	< 0.1	19.5	0.5	124	< 0.2	1.1	< 1	< 0.1	0.33	< 0.1	< 1	1.2	< 0.1	3	0.2	0.6	< 0.1	0.4	0.1	0.3	< 0.1	0.2
E886159	0.08	0.2	59.2	3.2	255	0.3	3.4	7	< 0.1	0.19	< 0.1	< 1	14.8	< 0.1	11	1.4	2.7	0.4	2.2	0.3	0.6	0.1	0.6
E886160	0.03	< 0.1	3.8	0.8	0.4	3.0	1.7	17	< 0.1	0.36	< 0.1	< 1	0.2	< 0.1	31	2.0	3.7	0.4	1.7	0.3	0.3	< 0.1	0.2
E886161	< 0.02	< 0.1	11.7	0.3	37.0	0.2	0.7	< 1	< 0.1	0.19	< 0.1	< 1	0.5	< 0.1	7	0.2	0.5	< 0.1	0.3	< 0.1	< 0.1	< 0.1	0.1
E886162	0.05	0.4	82.8	3.2	490	0.4	2.5	7	< 0.1	0.47	< 0.1	< 1	4.1	< 0.1	8	0.8	1.6	0.2	1.1	0.3	0.4	< 0.1	0.4
GXR-4 Meas	18.5	6.8	76.5	18.7	101	139	13.3	41	9.6	331	0.2	8	4.7	1.0	238	54.4	105		41.3	6.4	4.9	0.5	2.8
GXR-4 Cert	19.0	5.60	73.0	20.0	98.0	160	14.0	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
SDC-1 Meas			105	23.5	< 0.1	82.3		37	0.1			< 1	< 0.1		613	37.5	83.8		39.7	6.5	6.7	1.0	6.4
SDC-1 Cert			103.00	21.00	0.220	127.00		290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
GXR-6 Meas	0.18	1.3	121	32.0	305	66.4	11.3	93	4.9	1.98	< 0.1	1	2.4	< 0.1	1170	11.5	30.6		12.1	2.0	2.3	0.4	2.4
GXR-6 Cert	0.290	0.940	118	35.0	330	90.0	14.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80
OREAS 97 (4 Acid) Meas	40.3	80.9	630									101	8.1										
OREAS 97 (4 Acid) Cert	40.1	71.4	646									95.7	9.23										
OREAS 98 (4 Acid) Meas	94.5	192	1320									> 200	9.9										
OREAS 98 (4	97.2	158	1360									206	20.1										

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Acid) Cert																							
DNC-1a Meas			61.6	12.8		2.7	14.1	34	1.4				1.4		96	3.2			4.7				
DNC-1a Cert			70	15		5	18.0	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas			66.5	13.8		2.9	14.6	35	1.4				0.8		96	3.3			4.6				
DNC-1a Cert			70	15		5	18.0	38.0	3				0.96		118	3.6			5.20				
SBC-1 Meas	0.67		175	25.7	21.3	118	28.6	114	14.3	2.00		3	1.0		692	45.4	95.9	11.7	46.1	8.8	8.1	1.1	6.3
SBC-1 Cert	0.70		186	27.0	25.7	147	36.5	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
SBC-1 Meas	0.64		197	28.1	23.3	114	29.3	113	14.4	2.50		3	1.0		727	46.1	96.5	11.4	45.7	7.8	8.0	1.1	6.4
SBC-1 Cert	0.70		186	27.0	25.7	147	36.5	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
OREAS 45d (4-Acid) Meas	0.31		43.2	22.1	8.3	36.8	10.5	99	0.7	0.51	0.1	< 1	< 0.1		172	15.4	33.0	3.5	13.6	2.6	2.6	0.4	2.4
OREAS 45d (4-Acid) Cert	0.31		45.7	21.20	13.8	42.1	9.53	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 96 (4 Acid) Meas	26.4	48.7	424									64	5.3										
OREAS 96 (4 Acid) Cert	26.3	40.7	457									65.6	5.09										
OREAS 621 (4 Acid) Meas	3.89	4.5	> 10000	25.2	64.9	72.0	12.4	171	9.4	13.1	2.0	5	23.9			17.8	43.2					0.5	
OREAS 621 (4 Acid) Cert	3.93	5.64	52200	24.6	77.0	84.0	11.1	168	8.61	13.6	1.83	5.25	139			21.6	46.6					0.460	
OREAS 209 (Fire Assay) Meas																							
OREAS 209 (Fire Assay) Cert																							
E886152 Orig																							
E886152 Dup																							
E886157 Orig	40.3	0.2	3580	1.0	489	0.6	9.6	4	< 0.1	0.24	0.3	2	56.5	0.1	7	1.0	1.4	0.1	0.7	0.2	0.5	0.1	0.9
E886157 Dup	38.4	0.3	3360	0.9	474	0.6	8.7	4	< 0.1	0.23	0.2	2	54.1	< 0.1	8	0.9	1.4	0.1	0.6	0.2	0.6	0.1	0.8
Method Blank	< 0.02	0.1	0.9	0.2	< 0.1	< 0.2	< 0.1	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.02	0.2	< 0.2	0.2	< 0.1	< 0.2	< 0.1	< 1	< 0.1	0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.02	0.2	0.2	0.2	< 0.1	< 0.2	< 0.1	< 1	< 0.1	0.07	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E886152	64.5	< 0.1	< 0.1	0.2	< 0.1	< 0.1	127	0.2	< 0.001	< 0.05	2.6	0.1	< 0.1
E886153	15.5	< 0.1	< 0.1	0.2	< 0.1	< 0.1	89.2	0.2	< 0.001	< 0.05	6.3	< 0.1	< 0.1
E886154	4.1	< 0.1	< 0.1	0.4	< 0.1	< 0.1	159	6.8	< 0.001	0.07	1.8	0.4	0.2
E886155	3.4	0.2	< 0.1	0.3	< 0.1	< 0.1	201	1.2	< 0.001	< 0.05	1.9	0.2	0.1

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E886156	7.1	< 0.1	< 0.1	0.4	< 0.1	< 0.1	375	1.7	< 0.001	< 0.05	2.4	0.1	< 0.1
E886157	150	< 0.1	0.1	0.8	0.1	< 0.1	1.3	0.6	< 0.001	< 0.05	1330	0.1	0.1
E886158	8.8	< 0.1	< 0.1	0.2	< 0.1	< 0.1	65.7	0.2	< 0.001	< 0.05	6.7	< 0.1	< 0.1
E886159	110	< 0.1	< 0.1	0.4	< 0.1	< 0.1	163	0.3	< 0.001	< 0.05	3.0	0.2	< 0.1
E886160	5.6	< 0.1	< 0.1	0.2	< 0.1	< 0.1	3.5	< 0.1	< 0.001	0.15	2.1	1.0	0.4
E886161	16.6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	32.3	< 0.1	< 0.001	< 0.05	3.7	< 0.1	< 0.1
E886162	16.0	< 0.1	< 0.1	0.3	< 0.1	< 0.1	142	0.5	< 0.001	< 0.05	3.1	0.1	< 0.1
GXR-4 Meas	6800		0.2	1.1	0.2	0.6	226	36.0		3.49	45.4	21.2	5.6
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	221	30.8		3.20	52.0	22.5	6.20
SDC-1 Meas	27.3		0.5	3.4		< 0.1	181	< 0.1		0.68	21.8	11.9	2.7
SDC-1 Cert	30.000		0.65	4.00		1.20	180.00	0.80		0.70	25.00	12.00	3.10
GXR-6 Meas	60.6			1.7	0.3	0.3	34.0	1.1		2.30	90.1	4.9	1.4
GXR-6 Cert	66.0			2.40	0.330	0.485	35.0	1.90		2.20	101	5.30	1.54
OREAS 97 (4 Acid) Meas	> 10000										130		
OREAS 97 (4 Acid) Cert	63100.00										147		
OREAS 98 (4 Acid) Meas	> 10000										307		
OREAS 98 (4 Acid) Cert	148000.0										345		
DNC-1a Meas	84.8			1.8			139				5.3		
DNC-1a Cert	100			2.0			144				6.3		
DNC-1a Meas	90.9			1.9			139				5.2		
DNC-1a Cert	100			2.0			144				6.3		
SBC-1 Meas	25.4		0.5	3.4	0.5	1.1	174	1.8		0.94	31.0	15.1	5.5
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	178.0	1.60		0.89	35.0	15.8	5.76
SBC-1 Meas	25.4		0.5	3.4	0.5	1.0	178	1.5		0.93	30.8	15.8	5.4
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	178.0	1.60		0.89	35.0	15.8	5.76
OREAS 45d (4-Acid) Meas	367			1.5	0.2	< 0.1	31.8	< 0.1		0.26	18.6	14.8	2.6
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	31.30	1.62		0.27	21.8	14.5	2.63
OREAS 220 (Fire Assay) Meas													
OREAS 220 (Fire Assay) Cert													
OREAS 96 (4 Acid) Meas	> 10000										88.1		
OREAS 96 (4 Acid) Cert	39300										101		
OREAS 621 (4 Acid) Meas	3700			1.1	0.2		67.6	2.3		2.24	> 5000	5.2	2.8
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		91.0	2.35		1.96	13600	7.48	2.83
OREAS 209 (Fire													

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Assay) Meas													
OREAS 209 (Fire Assay) Cert													
E886152 Orig													
E886152 Dup													
E886157 Orig	150	< 0.1	0.1	0.8	0.1	< 0.1	1.3	0.6	< 0.001	< 0.05	1330	0.1	0.1
E886157 Dup	139	< 0.1	0.1	0.7	0.1	< 0.1	1.2	1.1	< 0.001	0.05	1280	0.1	0.1
Method Blank	< 0.2	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	1.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank													
Method Blank													

Appendix III – Invoices and Receipts

Activation Laboratories
Wisk Air Helicopters

2018 Opapimiskan Lake Exploration

Appendix IV – Full table of samples and results

2018 Opapimiskan Lake Lithogeochemical Sampling 4 Acid ICPMS and Fire Assay

Date	Project	Sample ID	Claim Number	Sample Type	Rock Type	Veining Assemblage	Vein Type	Vein Azimuth	Vein Dip	Fabric	Fabric Intensity	Fabric Azimuth	Fabric Dip	Fault	Fault Intensity	Fault Azimuth	Fault Dip	Magnetic Susceptibility	Longitude	Lattitude	Laboratory	Analytical Method
8/19/2018	2018 Regional	E885868	239892	Outcrop	6 Metasediment	Quartz	Planar	184		Primary Bedding	Weak	184						0.181	-90.442179	52.7419181	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/19/2018	2018 Regional	E885869	239892	Outcrop	3F Felsic Tuff, Lapilli Tuff	Quartz	Planar	356	82	Foliation	Moderate	356	82					0.102	-90.441531	52.7421655	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/19/2018	2018 Regional	E885879	239892	Outcrop	3C Intermediate Tuff	Quartz	Planar	352	76	Foliation	Moderate	352	76					0.619	-90.440215	52.7424607	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/19/2018	2018 Regional	E885881	239892	Outcrop	4CH Chert					Primary Bedding	Moderate	350						0.711	-90.440198	52.7424687	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/19/2018	2018 Regional	E885882	239892	Outcrop	2 Mafic Volcanic					Foliation	Moderate	162						0.616	-90.4399	52.7426279	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/19/2018	2018 Regional	E885883	239892	Outcrop	2 Mafic Volcanic					Foliation	Moderate	156	82					1.31	-90.43912	52.7430103	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/19/2018	2018 Regional	E885884	239892	Outcrop	2 Mafic Volcanic					Foliation	Intense	158	70	Shear Zone	Moderate	158	70	0.572	-90.439911	52.7420063	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/19/2018	2018 Regional	E885885	313155	Outcrop	4CH Chert					Primary Bedding	Moderate	166	82					0.092	-90.439937	52.7415567	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/19/2018	2018 Regional	E885886	112446	Outcrop	3F Felsic Tuff, Lapilli Tuff	Quartz	Crack-Seal	166		Primary Bedding	Weak	166	88					0.034	-90.437375	52.7377126	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/20/2018	2018 Regional	E885887	115239	Outcrop	2K Mafic Dike					Foliation	Weak	316						13.2	-90.440451	52.7081341	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/20/2018	2018 Regional	E885888	150588	Outcrop	2 Mafic Volcanic	Quartz	Flooding	136		Foliation	Moderate	136						0.434	-90.441296	52.7086354	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/20/2018	2018 Regional	E885889	153338	Outcrop	2 Mafic Volcanic	Quartz	Flooding	152		Foliation	Moderate	152		Shear Zone	Weak	152		0.293	-90.444499	52.7099723	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/20/2018	2018 Regional	E885891	153338	Outcrop	2 Mafic Volcanic	Quartz	Stringer	154		Foliation	Moderate	154		Shear Zone	Weak	154		0.765	-90.444517	52.7098701	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/20/2018	2018 Regional	E885892	153338	Outcrop	Quartz Vein	Quartz	Massive	110		Foliation	Moderate	152	80					0.064	-90.444658	52.7097377	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/20/2018	2018 Regional	E885893	150588	Outcrop	Quartz Vein	Quartz	Massive	146	72					Shear Zone	Moderate	146	72	0.03	-90.440486	52.7115658	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/20/2018	2018 Regional	E885894	314174	Outcrop	Quartz Vein	Quartz	Flooding							Shear Zone	Intense	155		0.024	-90.439008	52.7144691	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/20/2018	2018 Regional	E885895	150588	Outcrop	3F Felsic Tuff, Lapilli Tuff					Foliation	Intense	152						0.138	-90.440062	52.7118186	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/20/2018	2018 Regional	E885897	314174	Outcrop	6K Wacke	Quartz	Planar			Foliation	Moderate	152						0.122	-90.439316	52.714503	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/24/2018	2018 Regional	E885898	149244	Outcrop	3A Intermediate Flow					Foliation	Moderate	346	76					0.434	-90.460449	52.7856688	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/24/2018	2018 Regional	E885899	149244	Outcrop	2 Mafic Volcanic	Quartz	Crack-Seal			Foliation	Intense	350	70	Shear Zone	Moderate	350	70	0.446	-90.460444	52.7870539	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/24/2018	2018 Regional	E885901	197360	Outcrop	2 Mafic Volcanic	Quartz	Stringer	350	80	Foliation	Intense	350	80	Shear Zone	Moderate	350	80	0.47	-90.463198	52.7890232	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/24/2018	2018 Regional	E885902	197360	Outcrop	Quartz Vein	Quartz	Massive	336		Foliation	Moderate	336						0.305	-90.461988	52.7903522	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/25/2018	2018 Regional	E885903	234783	Outcrop	4E Garnet-Amphibole IF	Quartz	Replacement	168	80	Primary Bedding	Moderate	168	80					14.8	-90.450735	52.7247522	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/25/2018	2018 Regional	E885904	234783	Outcrop	2 Mafic Volcanic	Quartz	Crack-Seal				Moderate	168	80					0.806	-90.450708	52.7247464	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/25/2018	2018 Regional	E885905	234783	Outcrop	2 Mafic Volcanic	Quartz	Crack-Seal	162		Foliation	Moderate	162		Shear Zone	Moderate	162		0.417	-90.450608	52.7246075	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/25/2018	2018 Regional	E885906	234783	Outcrop	4E Garnet-Amphibole IF	Quartz	Replacement	158		Primary Bedding	Moderate	158						0.49	-90.450459	52.7245032	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/25/2018	2018 Regional	E885907	234783	Outcrop	4E Garnet-Amphibole IF	Quartz	Replacement	166		Primary Bedding	Moderate	166	78					0.487	-90.45047	52.724525	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/25/2018	2018 Regional	E885908	234783	Outcrop	Quartz Vein	Quartz	Massive	340	82									0.008	-90.450977	52.7244626	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/25/2018	2018 Regional	E885909	234783	Outcrop	Quartz Vein	Quartz	Massive											0.427	-90.450539	52.7233495	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/25/2018	2018 Regional	E885911	307468	Outcrop	2 Mafic Volcanic	Quartz	Crack-Seal	348						Shear Zone	Weak	348		0.626	-90.449726	52.7233701	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA
8/26/2018	2018 Regional	E885912	307468	Outcrop	4E Garnet-Amphibole IF	Quartz	Replacement	348		Primary Bedding	Weak	348						0.474	-90.449584	52.7231034	Actlabs	UT-4 Total Digestion ICP/MS + 1A2 FA

Sample ID	Au g mt	B ppm	Li ppm	Na	Mg	Al	K	Ca	Cd ppm	V ppm	Cr ppm	Mn ppm	Fe	Hf ppm	Ni ppm	Er ppm	Be ppm	Ho ppm	Hg ppm	Ag ppm	Cs ppm	Co ppm	Eu ppm	Bi ppm	Se ppm	Zn ppm	Ga ppm	As ppm	Rb ppm	Y ppm
E885868	0.0025	10	22.8	2.97	1.35	7.4	0.89	1.72	0.1	55	129	470	2.75	3.6	63.3	0.7	0.7	0.2	0.5	0.11	1.95	14.3	0	0.14	0.4	59	15.5	0.7	31.7	5.9
E885869	0.0025	10	16.3	2.54	0.93	7.01	0.86	1.94	0.1	41	70	341	2.04	2.8	42.2	0.5	0.7	0.2	0.5	0.06	1.48	10.6	0	0.11	0.4	43.1	13.7	0.05	31.9	4.3
E885879	0.0025	10	25.2	2.31	1.99	9.09	0.69	1.23	0.1	182	397	1250	9.69	2.4	124	1.5	1.2	0.4	0.5	0.025	2.03	51.6	0	0.08	0.4	129	18.3	61.2	26.2	10.5
E885881	0.012	10	2.9	0.06	0.47	1.23	0.16	0.07	0.6	21	37	2800	8.56	0.5	6.2	0.6	0.2	0.1	40	0.13	0.43	2.5	0	0.31	1.6	325	4.4	22.2	5.1	4.8
E885882	0.005	10	18.9	2.82	4.55	7.97	0.39	5.88	0.05	229	142	1510	8.05	2.6	82.1	2.7	0.5	0.9	0.5	0.13	0.19	57.3	0	0.13	0.4	80	18.3	15.5	7.6	20.7
E885883	0.009	10	21	0.57	5.11	8.01	0.51	7.97	0.05	260	906	1530	7.89	2.1	435	2	0.3	0.6	130	0.07	0.91	77.7	0	0.23	0.6	88.9	14.2	1600	20.6	14.6
E885884	0.0025	10	5.3	1.53	8.57	4.22	0.07	6.46	0.05	172	836	1410	7.38	1.2	470	1.2	0.2	0.4	0.5	0.08	0.62	62.1	0	0.06	0.4	71.8	7.4	14.1	3	9.2
E885885	0.0025	10	17.6	1.68	0.73	7.74	0.96	1.42	0.05	20	25	573	2.58	7.8	15.2	1.8	1.5	0.6	0.5	0.14	0.67	4	0	0.08	0.5	36.3	19	3	35.3	15.7
E885886	0.0025	10	9.7	1.53	0.12	5.25	0.76	0.05	0.05	11	9	37	0.63	1.2	3.7	0.3	0.4	0.05	0.5	0.025	1.02	1.8	0	0.19	0.4	17.6	12.1	11.1	20.4	2.5
E885887	0.007	10	4.3	1.59	3.61	7.43	0.13	7.73	0.1	208	62	1780	10.9	2.9	76.5	3	0.6	1.1	0.5	0.08	0.94	50.2	0	0.01	0.3	119	19.2	0.05	7	25.3
E885888	0.005	10	6.3	0.31	5.56	2.93	0.07	6.69	0.2	146	828	1400	7.88	0.9	239	1.1	0.05	0.3	0.5	0.06	0.35	54.2	0	0.06	0.2	94.4	7.1	0.05	2.5	8.3
E885889	0.005	10	9.5	0.9	3.08	4.52	0.09	3.93	0.1	122	171	1000	5.59	0.6	85	1.1	0.05	0.3	10	0.025	0.14	24.3	0	0.06	0.3	100	8.8	0.7	2.4	8
E885891	0.0025	10	15	1.52	2.7	6.89	0.12	5.66	0.1	228	55	1890	11.1	0.8	45.6	3.2	0.2	1.1	0.5	0.1	0.16	36.8	0	0.1	1	95.8	17	0.05	3.1	25.7
E885892	0.0025	10	7.4	0.48	2.06	2.94	0.03	3.44	0.05	101	108	639	3.66	0.2	55.6	0.8	0.05	0.2	0.5	0.025	0.08	19.3	0	0.01	0.1	40.9	5.6	0.05	0.6	5.8
E885893	0.028	10	14.4	0.21	2.88	2.79	0.05	1.87	0.2	100	116	2500	7.7	0.6	35.1	0.8	0.05	0.2	0.5	0.31	0.28	10.4	0	0.03	1.7	217	6.4	14.4	1.6	5.8
E885894	0.014	20	3	0.14	0.2	1.24	0.23	0.43	0.05	20	14	163	1.16	0.1	5.9	0.3	0.05	0.1	0.5	0.63	0.26	4.4	0	0.07	0.05	15.5	3.1	2.5	8.7	2.7
E885895	0.0025	10	27.7	3	0.73	10	0.58	3.57	0.05	129	177	249	2.14	2	104	3.6	0.5	1.1	20	0.025	0.96	33.6	0	0.05	0.4	58.1	23.8	0.05	16.9	29.3
E885897	0.0025	10	30.1	1.1	1.32	8.94	0.89	1.79	0.05	67	53	468	3.43	3.9	40	1.4	0.7	0.5	0.5	0.06	2.15	22.7	0	0.14	0.05	47.4	17.7	0.05	29.1	10.9
E885898	0.0025	10	14.3	2.85	3.2	8.28	0.08	6.11	0.2	349	126	1910	9.94	1.8	76	3.2	0.4	1.1	0.5	0.06	0.11	48.7	0	0.01	0.5	145	21.3	0.05	0.7	26.8
E885899	0.0025	10	9.4	3	3.74	7.78	0.12	6.32	0.1	339	135	1560	8.67	1.3	98.4	2.6	0.3	0.9	0.5	0.06	0.2	44.4	0	0.03	0.6	90.2	14.9	0.05	1.7	20.3
E885901	0.0025	10	9.8	2.46	3.81	8.17	0.22	6.8	0.1	270	134	1770	9.05	1	105	2.8	0.2	0.8	0.5	0.025	0.82	48.5	0	0.01	0.5	109	16.1	0.05	6.5	21
E885902	0.0025	10	9.9	0.76	2.29	4.05	0.1	3.68	0.05	144	105	890	5.18	0.4	49.7	1.4	0.05	0.4	0.5	0.025	0.33	23.8	0	0.01	0.3	55.2	8.5	0.05	1.9	10.7
E885903	0.0025	10	9.9	0.46	2.05	4.19	0.01	1.48	0.05	35	23	3700	14.1	0.2	11.3	2.6	0.6	0.8	0.5	0.12	0.14	6.8	0	0.04	0.8	57.6	10	1.2	0.4	21.1
E885904	0.0025	10	11.4	0.67	4.52	7.76	0.03	7.67	0.05	292	99	2300	10.6	0.8	123	2.5	0.05	0.8	0.5	0.025	0.13	41.6	0	0.03	0.5	98.2	14.9	0.05	0.7	18.7
E885905	0.0025	10	14.4	1.7	4.18	7.09	0.05	6.41	0.1	254	81	1570	8.43	1	122	1.8	0.1	0.6	20	0.12	0.25	44.2	0	0.01	0.6	113	13.6	0.8	0.9	14.3
E885906	0.066	10	9.8	2.72	3.49	8.09	0.03	2.99	0.2	159	116	1460	10.7	3.4	53.6	1.7	1.5	0.5	10	0.99	0.2	39.3	0	0.63	11.1	283	20	0.2	0.4	12.5
E885907	0.0025	10	10.8	0.78	3.16	4.6	0.04	3.27	0.2	81	50	1340	10.4	2.5	53.2	2.2	0.05	0.7	0.5	0.24	0.27	31.9	0	0.25	4.7	265	11	0.05	1.4	16.4
E885908	0.0025	10	0.9	0.005	0.01	0.03	0.005	0.01	0.05	3	8	49	0.43	0.05	4	0.05	0.05	0.05	0.5	0.025	0.08	0.9	0	0.01	0.6	1.2	0.3	0.3	0.2	0.05
E885909	0.0025	10	8	0.2	1.39	1.59	0.08	1.6	0.4	130	36	402	2.85	0.05	38.9	0.3	0.05	0.05	0.5	0.07	0.88	12.8	0	0.01	0.3	69.5	3.5	2	2.9	2.4
E885911	0.015	10	12.5	2.21	4.65	8.4	0.07	6.82	0.2	292	135	1730	9.71	1.3	108	2.5	0.2	0.8	0.5	0.2	0.2	49.2	0	0.04	0.8	122	16.4	0.05	0.8	19.2
E885912	0.0025	40	8.7	0.12	0.91	1.84	0.07	0.91	0.05	49	29	604	4.92	0.8	46.8	0.9	0.05	0.3	0.5	0.09	0.48	30.4	0	0.14	2.6	47.1	4.4	26.7	2	6.5

Sample ID	Zr ppm	Nb ppm	Mo ppm	In ppm	Sn ppm	Sb ppm	Te ppm	Ba ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Gd ppm	Tb ppm	Dy ppm	Cu ppm	Ge ppm	Tm ppm	Yb ppm	Lu ppm	Ta ppm	Sr ppm	W ppm	Re ppm	Tl ppm	Pb ppm	Th ppm	U ppm
E885868	124	4.4	0.95	0.05	0.5	0.1	0.05	194	19.8	36	4.2	14.7	2.2	2.1	0.2	1.3	29.1	0.05	0.05	0.7	0.05	0.4	226	0.5	5E-04	0.19	10.1	6	1.7
E885869	93	1.9	0.52	0.05	0.5	0.05	0.05	193	13.9	25.4	2.9	9.8	1.7	1.4	0.1	0.8	15.7	0.3	0.05	0.5	0.05	0.1	188	1.5	5E-04	0.29	9.9	4.6	1.1
E885879	80	0.9	0.62	0.05	0.5	1.1	0.05	252	11.3	22	2.8	10.4	2	2.4	0.3	2.3	36.5	0.2	0.2	1.3	0.2	0.05	125	0.4	5E-04	0.42	20	3.6	1.2
E885881	20	1.2	1.1	0.2	1	2.7	0.3	51	5.1	9.2	1	3.9	0.5	0.7	0.05	0.7	23.4	0.05	0.05	0.5	0.05	0.05	19.5	0.8	5E-04	0.16	10.4	1.3	0.3
E885882	86	4.7	0.5	0.05	0.5	1.2	0.05	859	8.5	19	2.6	11	2.6	3.8	0.6	4.2	83.8	0.3	0.4	2.4	0.3	0.4	188	0.4	0.001	0.025	2.7	2.5	0.7
E885883	62	2.7	0.41	0.05	0.5	2.8	0.1	85	6.3	13.2	1.8	7.7	1.4	2.4	0.4	2.9	89.8	0.2	0.3	1.8	0.3	0.2	109	89.8	0.002	0.27	2.4	1.8	0.4
E885884	35	1.5	0.22	0.05	0.5	3	0.05	13	2	5	0.7	3.5	0.9	1.4	0.2	1.8	153	0.2	0.2	1.2	0.2	0.1	52.9	0.7	5E-04	0.025	1.7	0.9	0.2
E885885	247	12.3	2.07	0.05	2	0.9	0.05	547	35.4	68.3	7.6	26.8	4.6	3.8	0.5	2.9	4.9	0.05	0.3	1.8	0.2	1.1	320	1.4	0.001	0.3	17.6	12.5	3.8
E885886	48	0.5	0.36	0.05	0.5	0.2	0.05	298	18.6	33.6	3.5	12.3	1.7	1.3	0.1	0.6	6.2	0.3	0.05	0.3	0.05	0.05	36	0.2	5E-04	0.23	6.9	5.8	1
E885887	91	0.2	0.67	0.05	0.5	0.05	0.05	25	5	14	2.4	12.4	3.6	4.6	0.8	5.3	273	0.1	0.5	2.8	0.4	0.05	152	0.1	0.002	0.17	1.1	0.5	0.1
E885888	27	0.05	0.06	0.05	0.5	0.2	0.05	13	1.5	4	0.7	3.2	0.9	1.4	0.3	1.8	57.8	0.2	0.2	0.9	0.1	0.05	36.6	0.05	5E-04	0.025	2.5	0.4	0.05
E885889	18	0.05	0.11	0.05	0.5	0.05	0.05	20	1.2	2.9	0.5	2.5	0.8	1.1	0.2	1.5	28.6	0.2	0.2	1	0.1	0.05	28.9	0.1	5E-04	0.025	2.4	0.1	0.05
E885891	25	0.1	0.15	0.05	0.5	0.05	0.05	43	4.3	11.1	1.8	8.7	2.9	3.7	0.7	4.9	160	0.3	0.5	3.1	0.4	0.05	54.7	0.05	0.002	0.025	3.7	0.4	0.05
E885892	5	0.1	0.14	0.05	0.5	0.1	0.05	5	0.7	1.9	0.3	1.8	0.5	0.8	0.2	1.1	11.7	0.3	0.05	0.7	0.05	0.05	28.6	0.05	5E-04	0.025	1.2	0.05	0.05
E885893	19	0.8	0.46	0.05	0.5	0.4	0.2	9	1.8	3.2	0.4	1.8	0.4	0.7	0.1	1	44.6	0.4	0.1	0.7	0.05	0.05	8.2	0.2	5E-04	0.025	9.5	0.3	0.05
E885894	4	1.3	0.23	0.05	0.5	0.6	0.05	39	2.3	4.8	0.5	2	0.4	0.5	0.05	0.4	41.6	0.05	0.05	0.3	0.05	0.05	17.4	0.2	5E-04	0.025	7.8	0.8	0.2
E885895	61	0.1	0.18	0.05	0.5	0.1	0.05	242	7.1	19.1	2.9	13	4	4.5	0.8	5.4	46.4	0.2	0.5	3.5	0.5	0.05	139	0.2	0.001	0.79	6.4	0.4	0.2
E885897	131	0.2	0.17	0.05	0.5	0.05	0.05	182	16.5	34.7	4.1	14.5	2.7	2.6	0.4	2.3	29.8	0.3	0.2	1.4	0.2	0.05	106	0.05	5E-04	0.26	8.9	7.7	2
E885898	60	1.9	0.15	0.05	0.5	0.05	0.05	21	5	13.7	2.3	11.3	3.8	4.7	0.8	5.4	69	0.3	0.5	2.9	0.4	0.05	112	0.1	5E-04	0.025	0.8	0.4	0.05
E885899	40	2.4	0.18	0.05	0.5	0.05	0.05	29	2.8	8.1	1.3	6.9	2.2	3	0.5	4	80.8	0.5	0.3	2.4	0.3	0.1	92	0.2	5E-04	0.025	0.7	0.2	0.05
E885901	28	0.2	0.07	0.05	0.5	0.05	0.05	24	3.1	8.6	1.5	7.2	2.2	3.1	0.6	4.1	27.5	0.2	0.4	2.4	0.3	0.05	126	0.05	0.001	0.025	0.7	0.2	0.05
E885902	10	0.2	0.14	0.05	0.5	0.05	0.05	15	1.9	5.2	0.8	4.2	1.5	1.5	0.3	2	52.5	0.1	0.2	1.2	0.2	0.05	59.9	0.05	0.001	0.025	0.25	0.1	0.05
E885903	28	5.9	0.76	0.05	1	0.2	0.05	10	7.4	13.6	1.6	5.8	1.5	2.1	0.4	3.1	97.4	0.1	0.4	2.7	0.4	0.05	22	0.1	5E-04	0.025	2.8	5.4	1.3
E885904	24	0.8	0.18	0.05	0.5	0.05	0.05	6	3.7	9.2	1.4	7.1	1.7	2.7	0.5	3.7	21.2	0.4	0.3	2.2	0.3	0.05	73.2	0.05	0.002	0.025	3	0.2	0.05
E885905	30	0.8	0.17	0.05	0.5	0.05	0.05	17	2.3	6	1	5	1.7	2.2	0.4	2.9	143	0.4	0.3	1.8	0.2	0.05	70.2	0.1	5E-04	0.025	2.5	0.2	0.05
E885906	113	6.4	4.7	0.1	0.5	0.3	3.3	26	8.7	15.9	1.7	5.4	1.2	1.4	0.3	2.3	1460	0.3	0.3	2.3	0.3	0.6	125	0.3	0.01	0.025	6.5	7	1.5
E885907	88	4.2	2.47	0.05	0.5	0.4	1	7	11	23.2	2.9	10.8	2.8	2.7	0.4	3.2	532	0.1	0.3	2.3	0.3	0.4	17	0.2	0.003	0.025	2.1	3.9	0.9
E885908	0.5	0.05	0.32	0.05	0.5	0.2	0.05	0.5	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	10.5	0.05	0.05	0.05	0.05	0.05	0.1	0.05	5E-04	0.025	0.25	0.05	0.05
E885909	3	0.4	0.18	0.05	0.5	0.1	0.05	16	0.2	0.5	0.05	0.5	0.05	0.2	0.05	0.3	16	0.5	0.05	0.3	0.05	0.05	14.1	0.05	5E-04	0.025	2.1	0.05	0.05
E885911	43	0.9	0.16	0.05	0.5	0.1	0.05	19	2.6	6.9	1.1	6.4	1.6	3	0.5	3.8	204	0.5	0.3	2.3	0.3	0.05	112	0.1	0.001	0.025	3.4	0.2	0.05
E885912	31	1.2	0.64	0.05	0.5	0.2	0.8	9	1.6	3.5	0.5	2	0.5	0.7	0.1	1	199	0.05	0.1	0.9	0.1	0.05	2.4	0.05	0.002	0.025	0.7	1	0.2

Appendix V – Assay Certificates

Quality Analysis ... *Innovative Technologies*

Date Submitted: 04-Sep-18
Invoice No.: A18-12314
Invoice Date: 09-Oct-18
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

44 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4 Total Digestion ICP/MS

REPORT **A18-12314**

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

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 04-Sep-18
Invoice No.: A18-12314
Invoice Date: 09-Oct-18
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

44 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A18-12314**

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

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
E885861	> 10.0	< 20	31.4	> 3.00	0.47	6.87	0.54	1.61	< 0.1	21	12	198	1.33	0.4	5.7	0.3	1.1	< 0.1	20	1.33	1.13	3.4	0.26
E885862	0.019	< 20	56.0	0.31	3.01	8.27	1.12	5.72	< 0.1	259	123	1590	9.84	1.4	105	3.9	0.9	1.2	< 10	0.06	0.53	58.7	0.94
E885863	0.005	< 20	0.5	< 0.01	0.78	0.02	< 0.01	0.07	< 0.1	3	9	2290	14.0	< 0.1	1.1	0.1	< 0.1	< 0.1	40	< 0.05	< 0.05	1.1	0.10
E885864	0.006	< 20	22.4	0.38	7.94	3.45	0.08	8.83	0.2	187	925	2000	9.90	0.9	426	0.9	0.2	0.3	< 10	0.08	0.32	74.0	0.47
E885865	< 0.005	< 20	12.6	0.71	9.00	3.29	0.05	8.28	0.2	199	947	1930	10.2	1.0	408	1.1	< 0.1	0.4	20	0.10	0.14	73.0	0.45
E885866	0.026	< 20	7.5	0.21	0.25	7.71	1.25	0.06	< 0.1	31	15	275	1.87	4.4	2.4	0.6	0.7	0.2	< 10	0.17	1.08	2.1	0.30
E885867	0.009	< 20	21.9	0.07	0.98	6.84	2.15	0.12	0.1	71	53	729	9.34	4.2	15.5	1.3	0.7	0.4	< 10	0.48	0.97	18.3	0.68
E885868	< 0.005	< 20	22.8	2.97	1.35	7.40	0.89	1.72	0.1	55	129	470	2.75	3.6	63.3	0.7	0.7	0.2	< 10	0.11	1.95	14.3	0.62
E885869	< 0.005	< 20	16.3	2.54	0.93	7.01	0.86	1.94	0.1	41	70	341	2.04	2.8	42.2	0.5	0.7	0.2	< 10	0.06	1.48	10.6	0.45
E885879	< 0.005	< 20	25.2	2.31	1.99	9.09	0.69	1.23	0.1	182	397	1250	9.69	2.4	124	1.5	1.2	0.4	< 10	< 0.05	2.03	51.6	0.62
E885880	< 0.005	< 20	5.4	0.09	0.03	0.32	0.07	0.04	< 0.1	5	14	78	0.67	1.0	2.0	0.2	< 0.1	< 0.1	< 10	< 0.05	0.15	1.1	0.05
E885881	0.012	< 20	2.9	0.06	0.47	1.23	0.16	0.07	0.6	21	37	2800	8.56	0.5	6.2	0.6	0.2	0.1	40	0.13	0.43	2.5	0.27
E885882	0.005	< 20	18.9	2.82	4.55	7.97	0.39	5.88	< 0.1	229	142	1510	8.05	2.6	82.1	2.7	0.5	0.9	< 10	0.13	0.19	57.3	0.94
E885883	0.009	< 20	21.0	0.57	5.11	8.01	0.51	7.97	< 0.1	260	906	1530	7.89	2.1	435	2.0	0.3	0.6	130	0.07	0.91	77.7	0.63
E885884	< 0.005	< 20	5.3	1.53	8.57	4.22	0.07	6.46	< 0.1	172	836	1410	7.38	1.2	470	1.2	0.2	0.4	< 10	0.08	0.62	62.1	0.40
E885885	< 0.005	< 20	17.6	1.68	0.73	7.74	0.96	1.42	< 0.1	20	25	573	2.58	7.8	15.2	1.8	1.5	0.6	< 10	0.14	0.67	4.0	0.97
E885886	< 0.005	< 20	9.7	1.53	0.12	5.25	0.76	0.05	< 0.1	11	9	37	0.63	1.2	3.7	0.3	0.4	< 0.1	< 10	< 0.05	1.02	1.8	0.28
E885887	0.007	< 20	4.3	1.59	3.61	7.43	0.13	7.73	0.1	208	62	1780	10.9	2.9	76.5	3.0	0.6	1.1	< 10	0.08	0.94	50.2	1.26
E885888	0.005	< 20	6.3	0.31	5.56	2.93	0.07	6.69	0.2	146	828	1400	7.88	0.9	239	1.1	< 0.1	0.3	< 10	0.06	0.35	54.2	0.40
E885889	0.005	< 20	9.5	0.90	3.08	4.52	0.09	3.93	0.1	122	171	1000	5.59	0.6	85.0	1.1	< 0.1	0.3	10	< 0.05	0.14	24.3	0.48
E885890	3.04	< 20	6.1	1.46	1.29	5.44	0.82	2.87	< 0.1	58	56	514	3.36	0.1	27.0	1.4	1.0	0.5	< 10	1.15	16.7	16.0	0.61
E885891	< 0.005	< 20	15.0	1.52	2.70	6.89	0.12	5.66	0.1	228	55	1890	11.1	0.8	45.6	3.2	0.2	1.1	< 10	0.10	0.16	36.8	0.88
E885892	< 0.005	< 20	7.4	0.48	2.06	2.94	0.03	3.44	< 0.1	101	108	639	3.66	0.2	55.6	0.8	< 0.1	0.2	< 10	< 0.05	0.08	19.3	0.20
E885893	0.028	< 20	14.4	0.21	2.88	2.79	0.05	1.87	0.2	100	116	2500	7.70	0.6	35.1	0.8	< 0.1	0.2	< 10	0.31	0.28	10.4	0.21
E885894	0.014	20	3.0	0.14	0.20	1.24	0.23	0.43	< 0.1	20	14	163	1.16	0.1	5.9	0.3	< 0.1	0.1	< 10	0.63	0.26	4.4	0.13
E885895	< 0.005	< 20	27.7	> 3.00	0.73	> 10.0	0.58	3.57	< 0.1	129	177	249	2.14	2.0	104	3.6	0.5	1.1	20	< 0.05	0.96	33.6	1.35
E885896 (Missing)																							
E885897	< 0.005	< 20	30.1	1.10	1.32	8.94	0.89	1.79	< 0.1	67	53	468	3.43	3.9	40.0	1.4	0.7	0.5	< 10	0.06	2.15	22.7	0.69
E885898	< 0.005	< 20	14.3	2.85	3.20	8.28	0.08	6.11	0.2	349	126	1910	9.94	1.8	76.0	3.2	0.4	1.1	< 10	0.06	0.11	48.7	1.26
E885899	< 0.005	< 20	9.4	> 3.00	3.74	7.78	0.12	6.32	0.1	339	135	1560	8.67	1.3	98.4	2.6	0.3	0.9	< 10	0.06	0.20	44.4	0.76
E885900	< 0.005	< 20	5.7	0.05	0.02	0.23	0.09	0.02	< 0.1	4	9	60	0.62	0.8	1.5	0.1	< 0.1	< 0.1	< 10	< 0.05	0.16	0.8	0.05
E885901	< 0.005	< 20	9.8	2.46	3.81	8.17	0.22	6.80	0.1	270	134	1770	9.05	1.0	105	2.8	0.2	0.8	< 10	< 0.05	0.82	48.5	0.83
E885902	< 0.005	< 20	9.9	0.76	2.29	4.05	0.10	3.68	< 0.1	144	105	890	5.18	0.4	49.7	1.4	< 0.1	0.4	< 10	< 0.05	0.33	23.8	0.52
E885903	< 0.005	< 20	9.9	0.46	2.05	4.19	0.01	1.48	< 0.1	35	23	3700	14.1	0.2	11.3	2.6	0.6	0.8	< 10	0.12	0.14	6.8	0.37
E885904	< 0.005	< 20	11.4	0.67	4.52	7.76	0.03	7.67	< 0.1	292	99	2300	10.6	0.8	123	2.5	< 0.1	0.8	< 10	< 0.05	0.13	41.6	0.78
E885905	< 0.005	< 20	14.4	1.70	4.18	7.09	0.05	6.41	0.1	254	81	1570	8.43	1.0	122	1.8	0.1	0.6	20	0.12	0.25	44.2	0.56
E885906	0.066	< 20	9.8	2.72	3.49	8.09	0.03	2.99	0.2	159	116	1460	10.7	3.4	53.6	1.7	1.5	0.5	10	0.99	0.20	39.3	0.82
E885907	< 0.005	< 20	10.8	0.78	3.16	4.60	0.04	3.27	0.2	81	50	1340	10.4	2.5	53.2	2.2	< 0.1	0.7	< 10	0.24	0.27	31.9	0.62
E885908	< 0.005	< 20	0.9	< 0.01	0.01	0.03	< 0.01	0.01	< 0.1	3	8	49	0.43	< 0.1	4.0	< 0.1	< 0.1	< 0.1	< 10	< 0.05	0.08	0.9	< 0.05
E885909	< 0.005	< 20	8.0	0.20	1.39	1.59	0.08	1.60	0.4	130	36	402	2.85	< 0.1	38.9	0.3	< 0.1	< 0.1	< 10	0.07	0.88	12.8	0.10
E885910	1.12	< 20	25.7	0.30	1.90	5.10	1.34	1.64	48.3	81	42	1980	8.19	2.8	27.7	1.8	0.7	0.6	1570	> 100	1.54	18.3	0.59
E885911	0.015	< 20	12.5	2.21	4.65	8.40	0.07	6.82	0.2	292	135	1730	9.71	1.3	108	2.5	0.2	0.8	< 10	0.20	0.20	49.2	0.83

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
E885912	< 0.005	40	8.7	0.12	0.91	1.84	0.07	0.91	< 0.1	49	29	604	4.92	0.8	46.8	0.9	< 0.1	0.3	< 10	0.09	0.48	30.4	0.21
E885913	< 0.005	< 20	51.2	1.22	5.09	8.74	0.62	0.08	< 0.1	137	541	619	6.17	2.5	475	1.2	0.7	0.3	< 10	< 0.05	1.39	45.3	0.63
GXR-4 Meas		< 20	10.5	0.55	1.71	6.80	4.39	0.99	0.4	81	43	134	2.97	1.6	37.1		1.9		< 10	3.74	2.61	13.8	1.30
GXR-4 Cert		4.50	11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	42.0		1.90		110	4.00	2.80	14.6	1.63
SDC-1 Meas		< 20	31.8	1.63	1.04	8.56	1.33	1.03		43	47	864	4.73	1.2	34.4	3.6	2.6	1.2	20		3.81	17.5	1.55
SDC-1 Cert		13.00	34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	38.0	4.10	3.00	1.50	200.00		4.00	18.0	1.70
GXR-6 Meas		< 20	32.8	0.10	0.62	> 10.0	1.28	0.16	0.2	166	65	1020	5.48	3.3	23.1		1.0		< 10	0.35	3.70	12.9	0.59
GXR-6 Cert		9.80	32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	27.0		1.40		68.0	1.30	4.20	13.8	0.760
OREAS 97 (4 Acid) Meas																				16.9		60.5	
OREAS 97 (4 Acid) Cert																				19.6		62.9	
OREAS 98 (4 Acid) Meas																				48.2		130	
OREAS 98 (4 Acid) Cert																				45.1		121	
DNC-1a Meas			4.4	1.46				8.00		140	138		6.76		260							55.2	0.55
DNC-1a Cert			5.2	1.40				8.21		148	270		1.25		247							57	0.59
SBC-1 Meas			156						0.4	213	78			4.1	85.4	3.7	3.2	1.2			7.74	22.2	1.85
SBC-1 Cert			163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40			8.2	22.7	1.98
OREAS 45d (4-Acid) Meas			21.6	0.11	0.24	8.21	0.46	0.18		90	476	465	14.6	1.6	236	1.3	0.7	0.4			3.68	29.4	0.56
OREAS 45d (4-Acid) Cert			21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830	231.0	1.38	0.79	0.46			3.910	29.50	0.57
OREAS 214 Meas																							
OREAS 214 Cert																							
OREAS 216 (Fire Assay) Meas																							
OREAS 216 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas	0.827																						
OREAS 220 (Fire Assay) Cert	0.866																						
OREAS 220 (Fire Assay) Meas	0.833																						
OREAS 220 (Fire Assay) Cert	0.866																						
OREAS 96 (4 Acid) Meas																				10.4		50.8	
OREAS 96 (4 Acid) Cert																				11.5		49.9	
OREAS 621 (4 Acid) Meas			13.7	1.44	0.38	6.82	2.10	2.12	288	34	33	541	3.98	5.3	29.1		1.7			71.3	3.17	31.0	
OREAS 621 (4 Acid) Cert			14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41	26.2		1.69			69.0	3.28	29.3	
OREAS 209 (Fire	1.50																						

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Assay) Meas																							
OREAS 209 (Fire Assay) Cert	1.58																						
OREAS 209 (Fire Assay) Meas	1.53																						
OREAS 209 (Fire Assay) Cert	1.58																						
OREAS 209 (Fire Assay) Meas	1.54																						
OREAS 209 (Fire Assay) Cert	1.58																						
E885881 Orig		< 20	2.9	0.06	0.47	1.23	0.16	0.07	0.6	21	37	2800	8.56	0.5	6.2	0.6	0.2	0.1	40	0.13	0.43	2.5	0.27
E885881 Dup		< 20	3.0	0.06	0.46	1.23	0.16	0.07	0.6	21	49	2850	8.62	0.4	5.8	0.4	0.3	0.2	10	0.12	0.47	2.5	0.25
E885884 Orig	< 0.005																						
E885884 Dup	< 0.005																						
E885891 Orig	< 0.005																						
E885891 Dup	< 0.005																						
E885892 Orig		< 20	7.4	0.48	2.06	2.94	0.03	3.44	< 0.1	101	108	639	3.66	0.2	55.6	0.8	< 0.1	0.2	< 10	< 0.05	0.08	19.3	0.20
E885892 Dup		< 20	7.7	0.47	2.08	3.00	0.03	3.47	< 0.1	113	115	660	3.71	0.2	56.9	0.8	< 0.1	0.2	10	< 0.05	0.10	19.8	0.21
E885909 Orig	< 0.005																						
E885909 Dup	< 0.005																						
E885911 Orig		< 20	12.5	2.21	4.65	8.40	0.07	6.82	0.2	292	135	1730	9.71	1.3	108	2.5	0.2	0.8	< 10	0.20	0.20	49.2	0.83
E885911 Dup		< 20	12.3	2.12	4.49	8.07	0.06	6.41	0.2	201	109	1670	9.67	1.0	106	2.6	0.2	0.8	< 10	0.19	0.22	48.8	0.78
E885912 Orig		40	8.7	0.12	0.91	1.84	0.07	0.91	< 0.1	49	29	604	4.92	0.8	46.8	0.9	< 0.1	0.3	< 10	0.09	0.48	30.4	0.21
E885912 Dup		< 20	8.7	0.12	0.93	1.80	0.07	0.94	< 0.1	49	31	604	5.03	0.8	48.2	0.9	< 0.1	0.2	30	0.10	0.50	30.4	0.20
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank		< 20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	14	6	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 10	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank	< 0.005																						
Method Blank																							

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885861	0.10	0.4	32.8	13.0	2.7	25.7	2.5	21	1.1	0.17	< 0.1	< 1	0.7	< 0.1	473	3.8	7.5	0.9	3.4	0.6	0.7	< 0.1	0.4
E885862	0.02	0.7	138	19.7	2.7	44.6	29.6	41	0.3	0.08	< 0.1	< 1	0.2	< 0.1	243	7.3	17.5	2.7	12.0	3.4	4.3	0.8	5.8
E885863	< 0.02	0.4	12.9	0.4	5.7	0.4	1.1	1	< 0.1	0.20	< 0.1	< 1	0.9	< 0.1	4	1.1	2.0	0.2	0.8	0.1	0.2	< 0.1	0.1
E885864	0.04	0.6	97.1	8.4	76.7	1.2	7.9	29	0.4	0.39	< 0.1	< 1	0.6	< 0.1	29	2.0	4.7	0.7	3.5	1.2	1.4	0.2	1.6
E885865	0.06	0.4	107	8.6	14.8	0.5	8.3	26	1.2	0.18	< 0.1	< 1	1.3	< 0.1	24	2.2	5.5	0.9	4.1	1.4	1.7	0.3	1.8
E885866	0.15	0.4	42.7	16.9	13.9	47.4	4.2	152	4.8	0.33	< 0.1	< 1	0.4	< 0.1	261	11.9	19.7	1.9	5.8	0.9	1.1	0.2	0.9
E885867	2.38	1.1	40.6	15.0	3.4	84.2	9.7	142	6.5	1.39	0.1	19	0.4	0.2	268	21.2	40.9	4.7	16.2	3.6	2.7	0.4	2.0
E885868	0.14	0.4	59.0	15.5	0.7	31.7	5.9	124	4.4	0.95	< 0.1	< 1	0.1	< 0.1	194	19.8	36.0	4.2	14.7	2.2	2.1	0.2	1.3
E885869	0.11	0.4	43.1	13.7	< 0.1	31.9	4.3	93	1.9	0.52	< 0.1	< 1	< 0.1	< 0.1	193	13.9	25.4	2.9	9.8	1.7	1.4	0.1	0.8
E885879	0.08	0.4	129	18.3	61.2	26.2	10.5	80	0.9	0.62	< 0.1	< 1	1.1	< 0.1	252	11.3	22.0	2.8	10.4	2.0	2.4	0.3	2.3

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885880	< 0.02	0.2	5.2	1.0	1.8	3.0	1.9	28	0.7	0.30	< 0.1	< 1	0.3	< 0.1	17	2.3	4.2	0.5	1.8	0.4	0.3	< 0.1	0.3
E885881	0.31	1.6	325	4.4	22.2	5.1	4.8	20	1.2	1.10	0.2	1	2.7	0.3	51	5.1	9.2	1.0	3.9	0.5	0.7	< 0.1	0.7
E885882	0.13	0.4	80.0	18.3	15.5	7.6	20.7	86	4.7	0.50	< 0.1	< 1	1.2	< 0.1	859	8.5	19.0	2.6	11.0	2.6	3.8	0.6	4.2
E885883	0.23	0.6	88.9	14.2	1600	20.6	14.6	62	2.7	0.41	< 0.1	< 1	2.8	0.1	85	6.3	13.2	1.8	7.7	1.4	2.4	0.4	2.9
E885884	0.06	0.4	71.8	7.4	14.1	3.0	9.2	35	1.5	0.22	< 0.1	< 1	3.0	< 0.1	13	2.0	5.0	0.7	3.5	0.9	1.4	0.2	1.8
E885885	0.08	0.5	36.3	19.0	3.0	35.3	15.7	247	12.3	2.07	< 0.1	2	0.9	< 0.1	547	35.4	68.3	7.6	26.8	4.6	3.8	0.5	2.9
E885886	0.19	0.4	17.6	12.1	11.1	20.4	2.5	48	0.5	0.36	< 0.1	< 1	0.2	< 0.1	298	18.6	33.6	3.5	12.3	1.7	1.3	0.1	0.6
E885887	< 0.02	0.3	119	19.2	< 0.1	7.0	25.3	91	0.2	0.67	< 0.1	< 1	< 0.1	< 0.1	25	5.0	14.0	2.4	12.4	3.6	4.6	0.8	5.3
E885888	0.06	0.2	94.4	7.1	< 0.1	2.5	8.3	27	< 0.1	0.06	< 0.1	< 1	0.2	< 0.1	13	1.5	4.0	0.7	3.2	0.9	1.4	0.3	1.8
E885889	0.06	0.3	100	8.8	0.7	2.4	8.0	18	< 0.1	0.11	< 0.1	< 1	< 0.1	< 0.1	20	1.2	2.9	0.5	2.5	0.8	1.1	0.2	1.5
E885890	1.14	0.3	49.6	13.7	4.4	267	11.5	9	< 0.1	0.42	< 0.1	< 1	< 0.1	< 0.1	49	3.8	8.8	1.2	6.3	1.8	2.4	0.4	2.6
E885891	0.10	1.0	95.8	17.0	< 0.1	3.1	25.7	25	0.1	0.15	< 0.1	< 1	< 0.1	< 0.1	43	4.3	11.1	1.8	8.7	2.9	3.7	0.7	4.9
E885892	< 0.02	0.1	40.9	5.6	< 0.1	0.6	5.8	5	0.1	0.14	< 0.1	< 1	0.1	< 0.1	5	0.7	1.9	0.3	1.8	0.5	0.8	0.2	1.1
E885893	0.03	1.7	217	6.4	14.4	1.6	5.8	19	0.8	0.46	< 0.1	< 1	0.4	0.2	9	1.8	3.2	0.4	1.8	0.4	0.7	0.1	1.0
E885894	0.07	< 0.1	15.5	3.1	2.5	8.7	2.7	4	1.3	0.23	< 0.1	< 1	0.6	< 0.1	39	2.3	4.8	0.5	2.0	0.4	0.5	< 0.1	0.4
E885895	0.05	0.4	58.1	23.8	< 0.1	16.9	29.3	61	0.1	0.18	< 0.1	< 1	0.1	< 0.1	242	7.1	19.1	2.9	13.0	4.0	4.5	0.8	5.4
E885896 (Missing)																							
E885897	0.14	< 0.1	47.4	17.7	< 0.1	29.1	10.9	131	0.2	0.17	< 0.1	< 1	< 0.1	< 0.1	182	16.5	34.7	4.1	14.5	2.7	2.6	0.4	2.3
E885898	< 0.02	0.5	145	21.3	< 0.1	0.7	26.8	60	1.9	0.15	< 0.1	< 1	< 0.1	< 0.1	21	5.0	13.7	2.3	11.3	3.8	4.7	0.8	5.4
E885899	0.03	0.6	90.2	14.9	< 0.1	1.7	20.3	40	2.4	0.18	< 0.1	< 1	< 0.1	< 0.1	29	2.8	8.1	1.3	6.9	2.2	3.0	0.5	4.0
E885900	< 0.02	0.3	3.6	0.8	1.0	3.3	1.6	27	0.6	0.32	< 0.1	< 1	0.2	< 0.1	28	2.1	4.0	0.5	1.8	0.4	0.3	< 0.1	0.3
E885901	< 0.02	0.5	109	16.1	< 0.1	6.5	21.0	28	0.2	0.07	< 0.1	< 1	< 0.1	< 0.1	24	3.1	8.6	1.5	7.2	2.2	3.1	0.6	4.1
E885902	< 0.02	0.3	55.2	8.5	< 0.1	1.9	10.7	10	0.2	0.14	< 0.1	< 1	< 0.1	< 0.1	15	1.9	5.2	0.8	4.2	1.5	1.5	0.3	2.0
E885903	0.04	0.8	57.6	10.0	1.2	0.4	21.1	28	5.9	0.76	< 0.1	1	0.2	< 0.1	10	7.4	13.6	1.6	5.8	1.5	2.1	0.4	3.1
E885904	0.03	0.5	98.2	14.9	< 0.1	0.7	18.7	24	0.8	0.18	< 0.1	< 1	< 0.1	< 0.1	6	3.7	9.2	1.4	7.1	1.7	2.7	0.5	3.7
E885905	< 0.02	0.6	113	13.6	0.8	0.9	14.3	30	0.8	0.17	< 0.1	< 1	< 0.1	< 0.1	17	2.3	6.0	1.0	5.0	1.7	2.2	0.4	2.9
E885906	0.63	11.1	283	20.0	0.2	0.4	12.5	113	6.4	4.70	0.1	< 1	0.3	3.3	26	8.7	15.9	1.7	5.4	1.2	1.4	0.3	2.3
E885907	0.25	4.7	265	11.0	< 0.1	1.4	16.4	88	4.2	2.47	< 0.1	< 1	0.4	1.0	7	11.0	23.2	2.9	10.8	2.8	2.7	0.4	3.2
E885908	< 0.02	0.6	1.2	0.3	0.3	0.2	< 0.1	< 1	< 0.1	0.32	< 0.1	< 1	0.2	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
E885909	< 0.02	0.3	69.5	3.5	2.0	2.9	2.4	3	0.4	0.18	< 0.1	< 1	0.1	< 0.1	16	0.2	0.5	< 0.1	0.5	< 0.1	0.2	< 0.1	0.3
E885910	7.99	21.4	7210	13.0	330	44.7	14.2	84	4.0	8.60	3.1	20	43.7	0.2	39	12.0	25.3	3.5	14.5	2.7	3.1	0.6	2.8
E885911	0.04	0.8	122	16.4	< 0.1	0.8	19.2	43	0.9	0.16	< 0.1	< 1	0.1	< 0.1	19	2.6	6.9	1.1	6.4	1.6	3.0	0.5	3.8
E885912	0.14	2.6	47.1	4.4	26.7	2.0	6.5	31	1.2	0.64	< 0.1	< 1	0.2	0.8	9	1.6	3.5	0.5	2.0	0.5	0.7	0.1	1.0
E885913	0.11	0.3	127	18.1	< 0.1	24.1	9.5	85	0.3	0.25	< 0.1	< 1	< 0.1	< 0.1	216	13.3	28.4	3.2	12.2	2.8	2.2	0.3	2.0
GXR-4 Meas	19.1	6.4	68.7	16.5	89.4	158	11.5	44	9.2	336	0.2	8	4.4	1.1	244	57.5	108		40.8	6.7	4.7	0.4	2.4
GXR-4 Cert	19.0	5.60	73.0	20.0	98.0	160	14.0	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
SDC-1 Meas			111	20.2	< 0.1	61.1		37	0.3			< 1	< 0.1		656	43.4	93.3		43.6	7.8	6.9	1.0	6.1
SDC-1 Cert			103.00	21.00	0.220	127.00		290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
GXR-6 Meas	0.17	1.1	127	31.1	282	57.7	10.7	97	4.2	1.89	< 0.1	1	2.5	< 0.1	1160	12.7	32.9		12.0	2.4	2.2	0.3	2.3
GXR-6 Cert	0.290	0.940	118	35.0	330	90.0	14.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80
OREAS 97 (4 Acid) Meas	41.8	70.2	598									87	6.0										
OREAS 97 (4	40.1	71.4	646									95.7	9.23										

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Acid) Cert																							
OREAS 98 (4 Acid) Meas	99.5	190	1430									> 200	13.2										
OREAS 98 (4 Acid) Cert	97.2	158	1360									206	20.1										
DNC-1a Meas			69.0	12.9		3.7	13.9	37	1.5				0.8		95	3.5			4.7				
DNC-1a Cert			70	15		5	18.0	38.0	3				0.96		118	3.6			5.20				
SBC-1 Meas	0.69		196	24.3	23.2	158	28.9	129	14.9	2.36		4	1.0		267	51.3	110	13.3	51.6	9.4	8.0	1.1	6.3
SBC-1 Cert	0.70		186	27.0	25.7	147	36.5	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
OREAS 45d (4-Acid) Meas	0.32		45.3	20.4	5.5	46.3	10.6	52	0.4	0.49	< 0.1	< 1	< 0.1		178	17.3	36.1	4.0	14.2	2.7	2.5	0.4	2.2
OREAS 45d (4-Acid) Cert	0.31		45.7	21.20	13.8	42.1	9.53	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 214 Meas																							
OREAS 214 Cert																							
OREAS 216 (Fire Assay) Meas																							
OREAS 216 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 96 (4 Acid) Meas	29.2	44.1	459									63	4.1										
OREAS 96 (4 Acid) Cert	26.3	40.7	457									65.6	5.09										
OREAS 621 (4 Acid) Meas	4.05	5.4	> 10000	26.5	65.3	86.0	11.3	190	10.3	14.4	1.8	6	47.8			19.9	46.6					0.4	
OREAS 621 (4 Acid) Cert	3.93	5.64	52200	24.6	77.0	84.0	11.1	168	8.61	13.6	1.83	5.25	139			21.6	46.6					0.460	
OREAS 209 (Fire Assay) Meas																							
OREAS 209 (Fire Assay) Cert																							
OREAS 209 (Fire Assay) Meas																							
OREAS 209 (Fire Assay) Cert																							
OREAS 209 (Fire Assay) Meas																							
OREAS 209 (Fire Assay) Cert																							
E885881 Orig	0.31	1.6	325	4.4	22.2	5.1	4.8	20	1.2	1.10	0.2	1	2.7	0.3	51	5.1	9.2	1.0	3.9	0.5	0.7	< 0.1	0.7

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885881 Dup	0.31	1.4	333	4.2	22.4	4.9	4.5	14	1.2	1.05	0.2	1	2.7	0.2	53	5.1	9.2	1.0	3.8	0.6	0.7	< 0.1	0.7
E885884 Orig																							
E885884 Dup																							
E885891 Orig																							
E885891 Dup																							
E885892 Orig	< 0.02	0.1	40.9	5.6	< 0.1	0.6	5.8	5	0.1	0.14	< 0.1	< 1	0.1	< 0.1	5	0.7	1.9	0.3	1.8	0.5	0.8	0.2	1.1
E885892 Dup	< 0.02	0.2	39.3	5.8	0.3	0.6	6.0	5	0.6	0.20	< 0.1	< 1	0.3	< 0.1	5	0.8	2.0	0.4	1.8	0.4	0.9	0.1	1.2
E885909 Orig																							
E885909 Dup																							
E885911 Orig	0.04	0.8	122	16.4	< 0.1	0.8	19.2	43	0.9	0.16	< 0.1	< 1	0.1	< 0.1	19	2.6	6.9	1.1	6.4	1.6	3.0	0.5	3.8
E885911 Dup	0.04	0.3	120	16.0	< 0.1	0.9	19.0	34	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	19	2.5	6.9	1.2	5.9	2.2	3.0	0.5	3.7
E885912 Orig	0.14	2.6	47.1	4.4	26.7	2.0	6.5	31	1.2	0.64	< 0.1	< 1	0.2	0.8	9	1.6	3.5	0.5	2.0	0.5	0.7	0.1	1.0
E885912 Dup	0.15	2.7	48.5	4.4	25.5	2.0	6.5	32	1.2	1.96	< 0.1	< 1	0.2	0.7	10	1.6	3.7	0.5	2.1	0.7	0.7	0.1	1.1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.02	0.2	0.3	0.2	< 0.1	< 0.2	< 0.1	< 1	< 0.1	0.14	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FA-GRA
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U	Au
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
E885861	0.6	< 0.1	< 0.1	0.2	< 0.1	< 0.1	88.7	3.6	0.001	0.40	6.3	1.5	0.7	20.4
E885862	70.1	0.2	0.6	3.6	0.5	< 0.1	77.4	0.2	0.001	1.13	4.1	1.4	0.3	
E885863	1.0	< 0.1	< 0.1	0.2	< 0.1	< 0.1	0.7	1.6	< 0.001	< 0.05	0.7	< 0.1	< 0.1	
E885864	34.1	0.6	0.1	0.9	0.1	< 0.1	45.5	1.3	< 0.001	< 0.05	2.0	0.3	< 0.1	
E885865	83.8	0.6	0.1	0.9	0.1	< 0.1	15.5	0.5	< 0.001	< 0.05	0.9	0.3	< 0.1	
E885866	4.3	< 0.1	< 0.1	0.5	< 0.1	0.4	34.9	3.3	< 0.001	0.66	16.9	6.2	1.7	
E885867	156	< 0.1	0.2	1.3	0.2	0.5	7.2	2.9	< 0.001	0.48	6.2	4.6	1.1	
E885868	29.1	< 0.1	< 0.1	0.7	< 0.1	0.4	226	0.5	< 0.001	0.19	10.1	6.0	1.7	
E885869	15.7	0.3	< 0.1	0.5	< 0.1	0.1	188	1.5	< 0.001	0.29	9.9	4.6	1.1	
E885879	36.5	0.2	0.2	1.3	0.2	< 0.1	125	0.4	< 0.001	0.42	20.0	3.6	1.2	
E885880	1.9	< 0.1	< 0.1	0.3	< 0.1	< 0.1	7.3	0.2	< 0.001	< 0.05	1.7	1.2	0.3	
E885881	23.4	< 0.1	< 0.1	0.5	< 0.1	< 0.1	19.5	0.8	< 0.001	0.16	10.4	1.3	0.3	
E885882	83.8	0.3	0.4	2.4	0.3	0.4	188	0.4	0.001	< 0.05	2.7	2.5	0.7	
E885883	89.8	0.2	0.3	1.8	0.3	0.2	109	89.8	0.002	0.27	2.4	1.8	0.4	
E885884	153	0.2	0.2	1.2	0.2	0.1	52.9	0.7	< 0.001	< 0.05	1.7	0.9	0.2	
E885885	4.9	< 0.1	0.3	1.8	0.2	1.1	320	1.4	0.001	0.30	17.6	12.5	3.8	
E885886	6.2	0.3	< 0.1	0.3	< 0.1	< 0.1	36.0	0.2	< 0.001	0.23	6.9	5.8	1.0	
E885887	273	0.1	0.5	2.8	0.4	< 0.1	152	0.1	0.002	0.17	1.1	0.5	0.1	
E885888	57.8	0.2	0.2	0.9	0.1	< 0.1	36.6	< 0.1	< 0.001	< 0.05	2.5	0.4	< 0.1	
E885889	28.6	0.2	0.2	1.0	0.1	< 0.1	28.9	0.1	< 0.001	< 0.05	2.4	0.1	< 0.1	

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FA-GRA
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U	Au
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
E885890	30.4	0.1	0.2	1.2	0.2	< 0.1	99.7	< 0.1	< 0.001	5.65	8.4	0.6	0.2	
E885891	160	0.3	0.5	3.1	0.4	< 0.1	54.7	< 0.1	0.002	< 0.05	3.7	0.4	< 0.1	
E885892	11.7	0.3	< 0.1	0.7	< 0.1	< 0.1	28.6	< 0.1	< 0.001	< 0.05	1.2	< 0.1	< 0.1	
E885893	44.6	0.4	0.1	0.7	< 0.1	< 0.1	8.2	0.2	< 0.001	< 0.05	9.5	0.3	< 0.1	
E885894	41.6	< 0.1	< 0.1	0.3	< 0.1	< 0.1	17.4	0.2	< 0.001	< 0.05	7.8	0.8	0.2	
E885895	46.4	0.2	0.5	3.5	0.5	< 0.1	139	0.2	0.001	0.79	6.4	0.4	0.2	
E885896 (Missing)														
E885897	29.8	0.3	0.2	1.4	0.2	< 0.1	106	< 0.1	< 0.001	0.26	8.9	7.7	2.0	
E885898	69.0	0.3	0.5	2.9	0.4	< 0.1	112	0.1	< 0.001	< 0.05	0.8	0.4	< 0.1	
E885899	80.8	0.5	0.3	2.4	0.3	0.1	92.0	0.2	< 0.001	< 0.05	0.7	0.2	< 0.1	
E885900	3.2	< 0.1	< 0.1	0.2	< 0.1	< 0.1	4.0	0.2	< 0.001	< 0.05	1.6	1.0	0.5	
E885901	27.5	0.2	0.4	2.4	0.3	< 0.1	126	< 0.1	0.001	< 0.05	0.7	0.2	< 0.1	
E885902	52.5	0.1	0.2	1.2	0.2	< 0.1	59.9	< 0.1	0.001	< 0.05	< 0.5	0.1	< 0.1	
E885903	97.4	0.1	0.4	2.7	0.4	< 0.1	22.0	0.1	< 0.001	< 0.05	2.8	5.4	1.3	
E885904	21.2	0.4	0.3	2.2	0.3	< 0.1	73.2	< 0.1	0.002	< 0.05	3.0	0.2	< 0.1	
E885905	143	0.4	0.3	1.8	0.2	< 0.1	70.2	0.1	< 0.001	< 0.05	2.5	0.2	< 0.1	
E885906	1460	0.3	0.3	2.3	0.3	0.6	125	0.3	0.010	< 0.05	6.5	7.0	1.5	
E885907	532	0.1	0.3	2.3	0.3	0.4	17.0	0.2	0.003	< 0.05	2.1	3.9	0.9	
E885908	10.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1	
E885909	16.0	0.5	< 0.1	0.3	< 0.1	< 0.1	14.1	< 0.1	< 0.001	< 0.05	2.1	< 0.1	< 0.1	
E885910	2190	0.1	0.3	1.8	0.2	< 0.1	84.1	5.4	0.013	5.36	> 5000	2.8	2.0	
E885911	204	0.5	0.3	2.3	0.3	< 0.1	112	0.1	0.001	< 0.05	3.4	0.2	< 0.1	
E885912	199	< 0.1	0.1	0.9	0.1	< 0.1	2.4	< 0.1	0.002	< 0.05	0.7	1.0	0.2	
E885913	29.2	0.3	0.2	1.2	0.1	< 0.1	54.4	< 0.1	< 0.001	0.40	5.3	3.5	0.9	
GXR-4 Meas	6600		0.2	1.0	0.1	0.6	225	35.3		3.03	44.1	17.3	5.4	
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	221	30.8		3.20	52.0	22.5	6.20	
SDC-1 Meas	27.6		0.5	3.3		< 0.1	187	0.1		0.63	22.8	11.3	2.7	
SDC-1 Cert	30.000		0.65	4.00		1.20	180.00	0.80		0.70	25.00	12.00	3.10	
GXR-6 Meas	59.7			1.7	0.2	0.2	38.5	0.7		2.15	97.8	5.0	1.4	
GXR-6 Cert	66.0			2.40	0.330	0.485	35.0	1.90		2.20	101	5.30	1.54	
OREAS 97 (4 Acid) Meas	> 10000										136			
OREAS 97 (4 Acid) Cert	63100.00										147			
OREAS 98 (4 Acid) Meas	> 10000										333			
OREAS 98 (4 Acid) Cert	148000.0										345			
DNC-1a Meas	91.1			1.9			146				5.7			
DNC-1a Cert	100			2.0			144				6.3			
SBC-1 Meas	26.8		0.5	3.4	0.4	1.0	188	1.5		0.92	34.2	15.3	5.7	
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	178.0	1.60		0.89	35.0	15.8	5.76	
OREAS 45d	367			1.5	0.2	< 0.1	34.7	0.2		0.25	20.5	14.4	2.7	

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FA-GRA
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U	Au
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
(4-Acid) Meas														
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	31.30	1.62		0.27	21.8	14.5	2.63	
OREAS 214 Meas														3.02
OREAS 214 Cert														3.03
OREAS 216 (Fire Assay) Meas														6.82
OREAS 216 (Fire Assay) Cert														6.66
OREAS 220 (Fire Assay) Meas														
OREAS 220 (Fire Assay) Cert														
OREAS 220 (Fire Assay) Meas														
OREAS 220 (Fire Assay) Cert														
OREAS 96 (4 Acid) Meas	> 10000										101			
OREAS 96 (4 Acid) Cert	39300										101			
OREAS 621 (4 Acid) Meas	4020			1.0	0.1		76.1	1.9		2.06	> 5000	5.3	2.8	
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		91.0	2.35		1.96	13600	7.48	2.83	
OREAS 209 (Fire Assay) Meas														
OREAS 209 (Fire Assay) Cert														
OREAS 209 (Fire Assay) Meas														
OREAS 209 (Fire Assay) Cert														
OREAS 209 (Fire Assay) Meas														
OREAS 209 (Fire Assay) Cert														
E885881 Orig	23.4	< 0.1	< 0.1	0.5	< 0.1	< 0.1	19.5	0.8	< 0.001	0.16	10.4	1.3	0.3	
E885881 Dup	23.6	< 0.1	< 0.1	0.5	< 0.1	< 0.1	19.6	0.8	0.001	0.17	10.7	1.3	0.3	
E885884 Orig														
E885884 Dup														
E885891 Orig														
E885891 Dup														
E885892 Orig	11.7	0.3	< 0.1	0.7	< 0.1	< 0.1	28.6	< 0.1	< 0.001	< 0.05	1.2	< 0.1	< 0.1	
E885892 Dup	7.0	0.3	0.1	0.7	< 0.1	< 0.1	28.7	0.1	< 0.001	< 0.05	1.3	< 0.1	< 0.1	
E885909 Orig														

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FA-GRA
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U	Au
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
E885909 Dup														
E885911 Orig	204	0.5	0.3	2.3	0.3	< 0.1	112	0.1	0.001	< 0.05	3.4	0.2	< 0.1	
E885911 Dup	202	0.2	0.4	2.3	0.3	< 0.1	110	< 0.1	0.001	< 0.05	3.3	0.2	< 0.1	
E885912 Orig	199	< 0.1	0.1	0.9	0.1	< 0.1	2.4	< 0.1	0.002	< 0.05	0.7	1.0	0.2	
E885912 Dup	205	< 0.1	0.1	1.0	0.1	< 0.1	2.3	0.1	0.002	0.05	0.6	1.0	0.2	
Method Blank														
Method Blank														
Method Blank														
Method Blank	0.6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1	
Method Blank														
Method Blank														< 0.03

Appendix VI – Invoices and receipts

Activation Laboratories Ltd.
Wisk Air Helicopters

2018 North Caribou Greenstone Belt Exploration

Appendix VII – Re-interpretation of the northern portion of North Caribou Belt

Re-interpretation of the Geology (2018) West portion of North Caribou Claim Group

620000.000000 630000.000000

5870000.000000 5870000.000000

5860000.000000 5860000.000000

5850000.000000 5850000.000000

620000.000000 630000.000000

1:60,000
UTM Nad 83 z15N

N

0 1 2 4
Kilometers

Legend

- Property Boundary
- VLF_Form_Lines
- Young_Dykes
- Fold_Closures
- First_Order_Structures
- Second_Order_Structures

Geology - Regional - Re-interp

- unknown

LITHOLOGY

- Lower sequence
- High-mag Western
- Round Lake
- Wegamow Lake
- North Rim sediments
- Ultramafic-Mafic Layered Intrusion
- S-Type Granite Pegmatites
- North Caribou Pluton
- Southern Batholiths
- Eyapamikama Metasediments
- North Rim Volcanics
- South Rim Volcanics

Re-interpretation of the Geology (2018) Central Caribou Claim Group

640000.000000

650000.000000

5870000.000000

5860000.000000

1:60,000
UTM Nad 83 z15N

N

0 1 2 4
Kilometers

Legend

- Property Boundary
- VLF_Form_Lines
- Young_Dykes
- Fold_Closures
- First_Order_Structures
- Second_Order_Structures

Geology - Regional - Re-interp

- unknown

LITHOLOGY

- Lower sequence
- High-mag Western
- Round Lake
- Wegamow Lake
- North Rim sediments
- Ultramafic-Mafic Layered Intrusion
- S-Type Granite Pegmatites
- North Caribou Pluton
- Southern Batholiths
- Eyapamikama Metasediments
- North Rim Volcanics
- South Rim Volcanics

Re-interpretation of the Geology (2018) West Caribou Claim Group

660000.000000

670000.000000

5870000.000000

5860000.000000

1:60,000
UTM Nad 83 z15N

N

0 1 2 4
Kilometers

Legend

- Property Boundary
- VLF_Form_Lines
- Young_Dykes
- Fold_Closures
- First_Order_Structures
- Second_Order_Structures

Geology - Regional - Re-interp

- unknown

LITHOLOGY

- Lower sequence
- High-mag Western
- Round Lake
- Wegamow Lake
- North Rim sediments
- Ultramafic-Mafic Layered Intrusion
- S-Type Granite Pegmatites
- North Caribou Pluton
- Southern Batholiths
- Eyapamikama Metasediments
- North Rim Volcanics
- South Rim Volcanics

Appendix VIII – Maps of prospecting traverses and lithogeochemical samples

West side of property
East side of property

2018 NCGB Prospecting Traverses and Lithogeochemical Samples West

N

630000

640000

650000

6470000

6480000

June 14, 17 2018

June 27 2018

June 24-26 2018

June 28-30 Sept 25 2018

Aug 4 2018

Aug 6 2018

July 10-11, 13 2018

Aug 3-4 2018

Aug 10 2018

Aug 12 2018

Aug 11 2018

Aug 7 2018

Aug 9, Sept 9,12 2018

Legend

- Legacy_Outline

Samples_For_Assesment

Au_g_mt

- 0.002500 - 0.066000
- 0.066001 - 0.396000
- 0.396001 - 0.701000
- 0.701001 - 2.380000
- 2.380001 - 6.280000

- GPS_Tracks_Team_1
- GPS_Tracks_Team_2
- NCGB Claims
- Lakes and Rivers

1:25,000

2018 NCGB Prospecting Traverses and Lithogeochemical Samples East

N

650000

660000

670000

6870000

6860000

July 14 2018

June 22; Sept 20 2018

July 10-11, 13 2018

July 19 2018

July 26 2018

July 29 2018

July 28 2018

July 22 2018

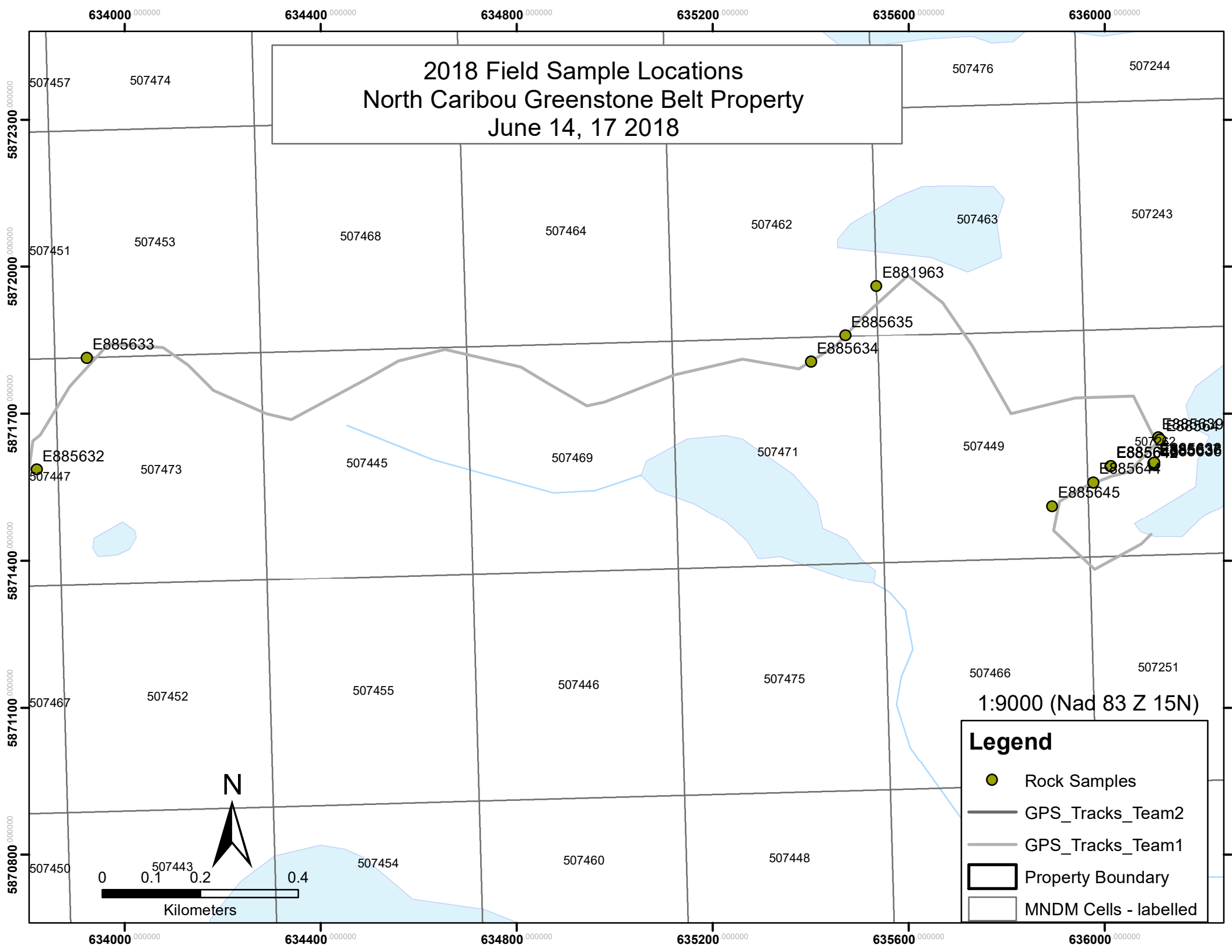
July 23 2018

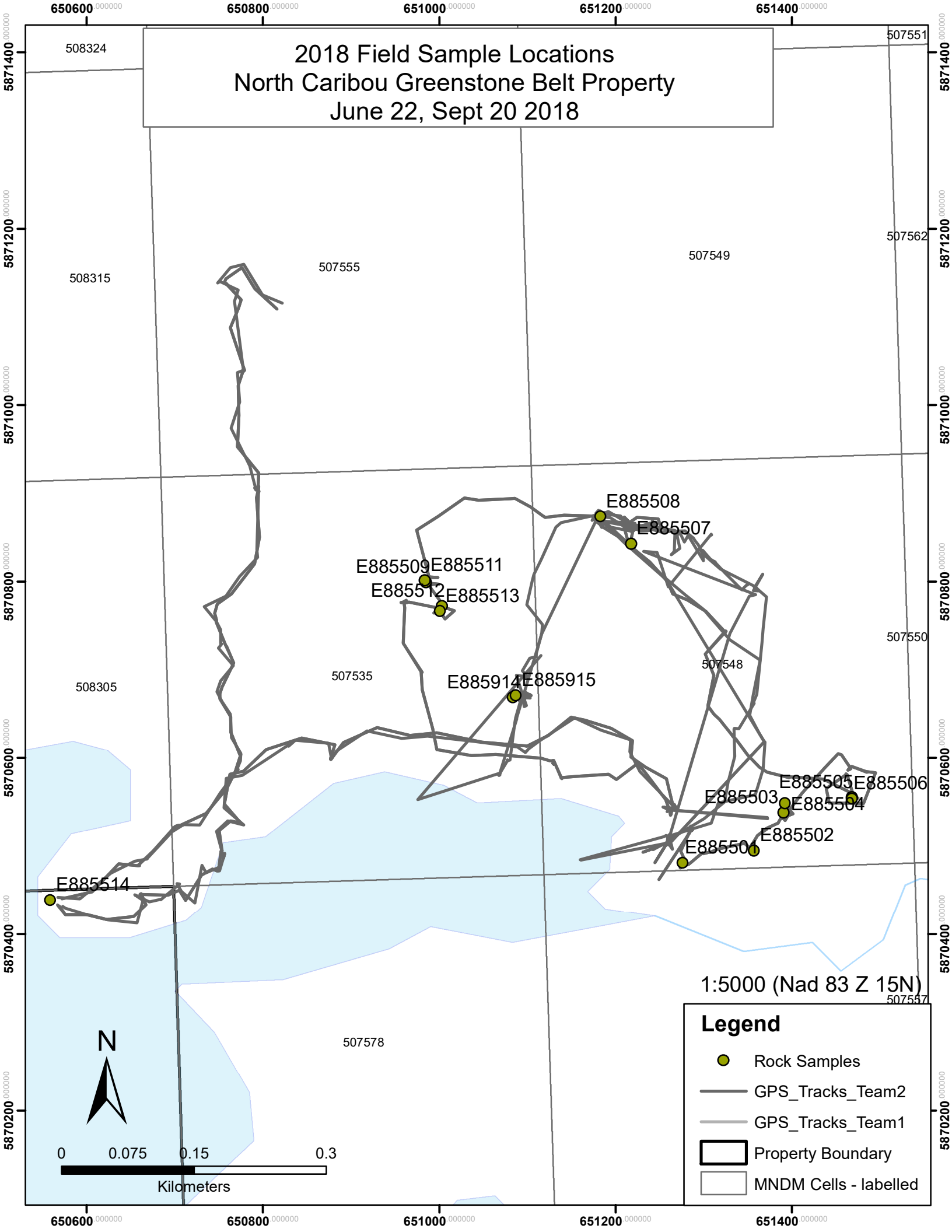
July 24 2018

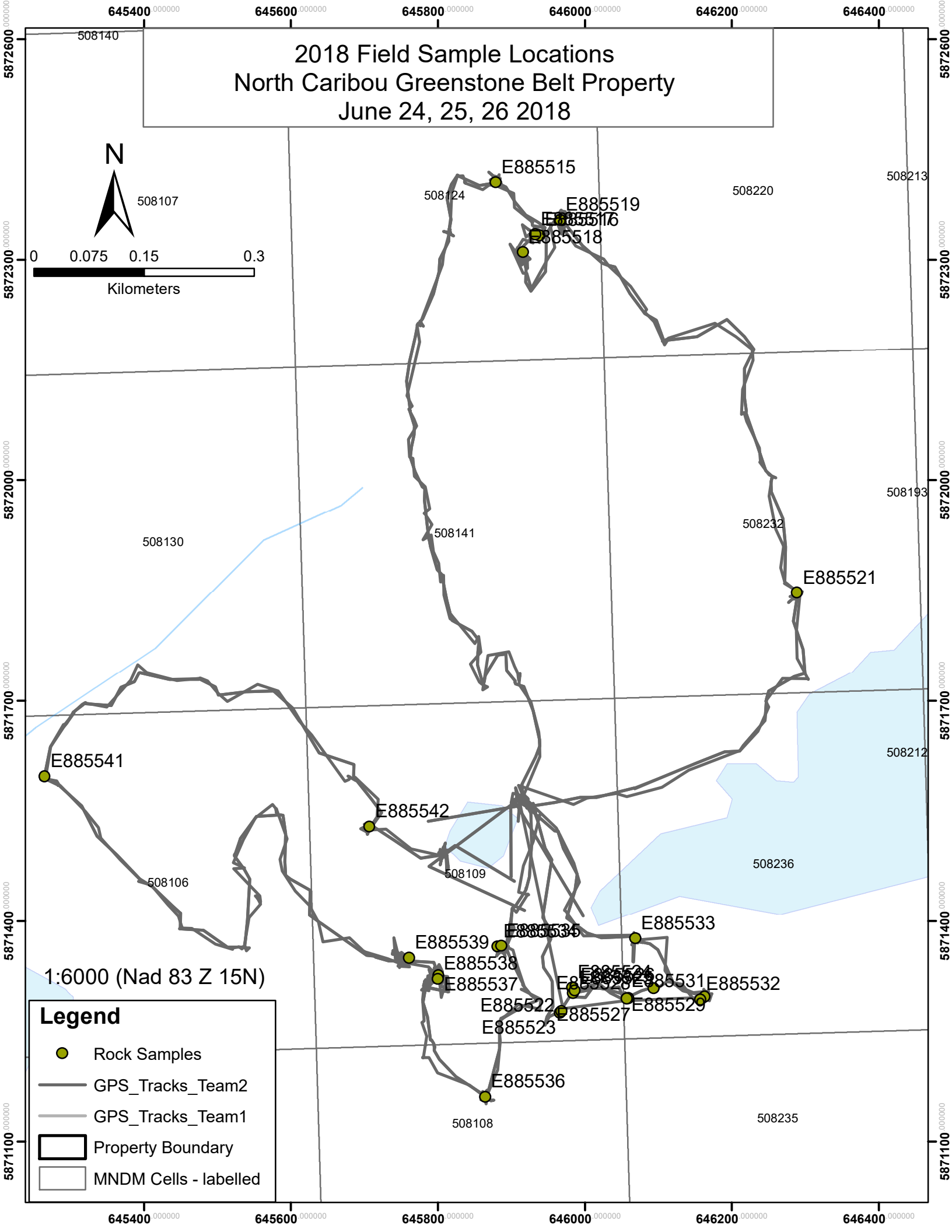
Legend

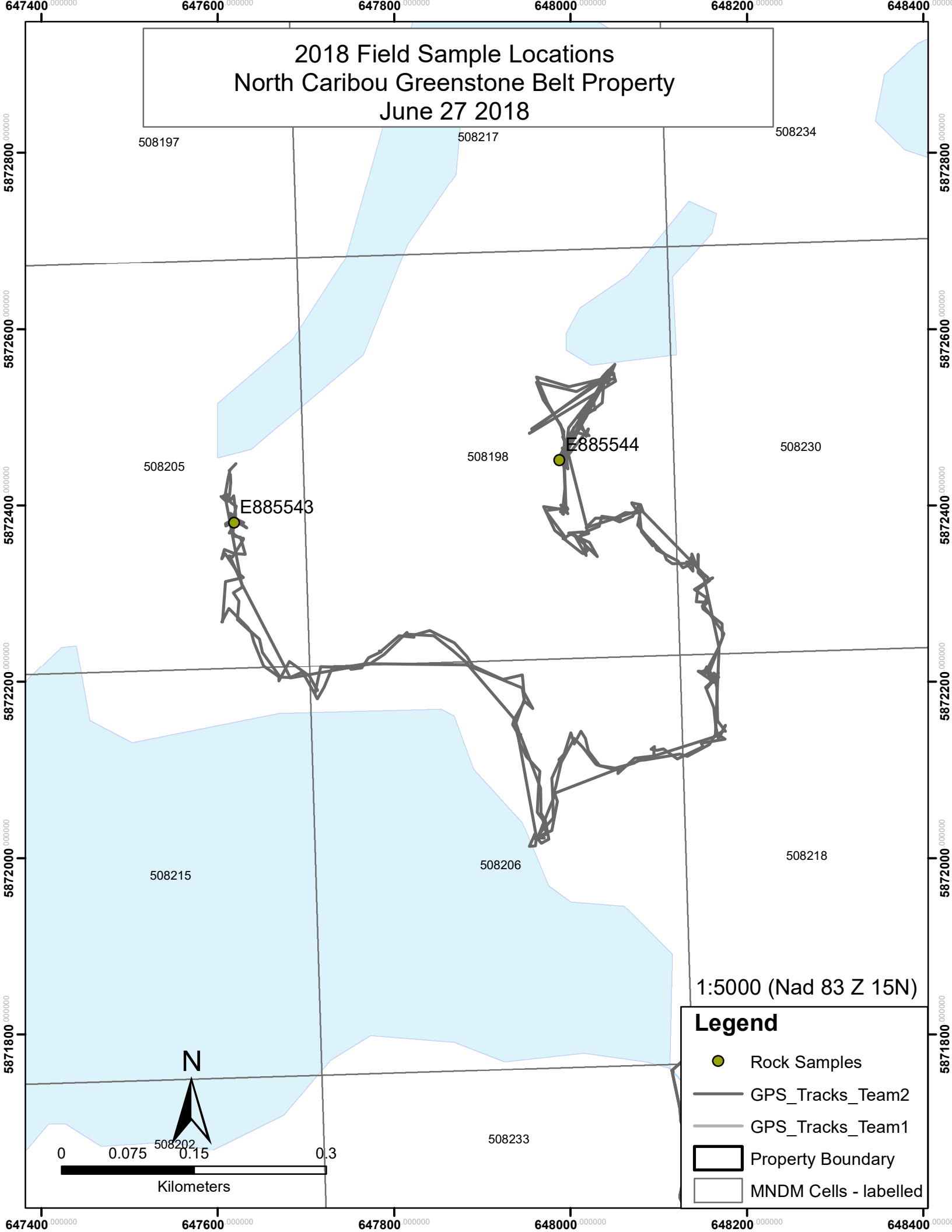
- Legacy_Outline
- **Samples_For_Assesment**
- **Au_g_mt**
  - 0.002500 - 0.066000
  - 0.066001 - 0.396000
  - 0.396001 - 0.701000
  - 0.701001 - 2.380000
  - 2.380001 - 6.280000
- GPS_Tracks_Team_1
- GPS_Tracks_Team_2
- NCGB Claims
- Lakes and Rivers

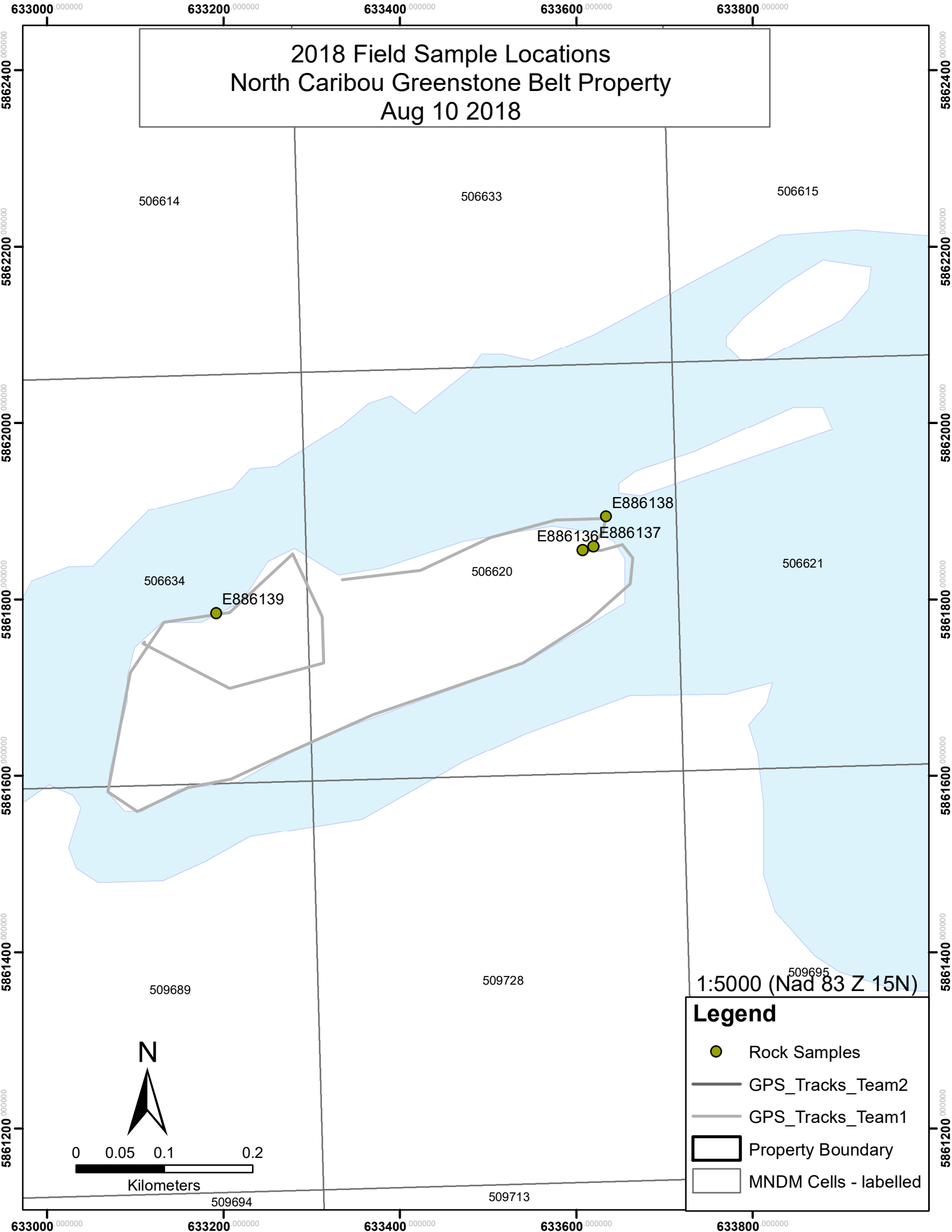
1:25,000

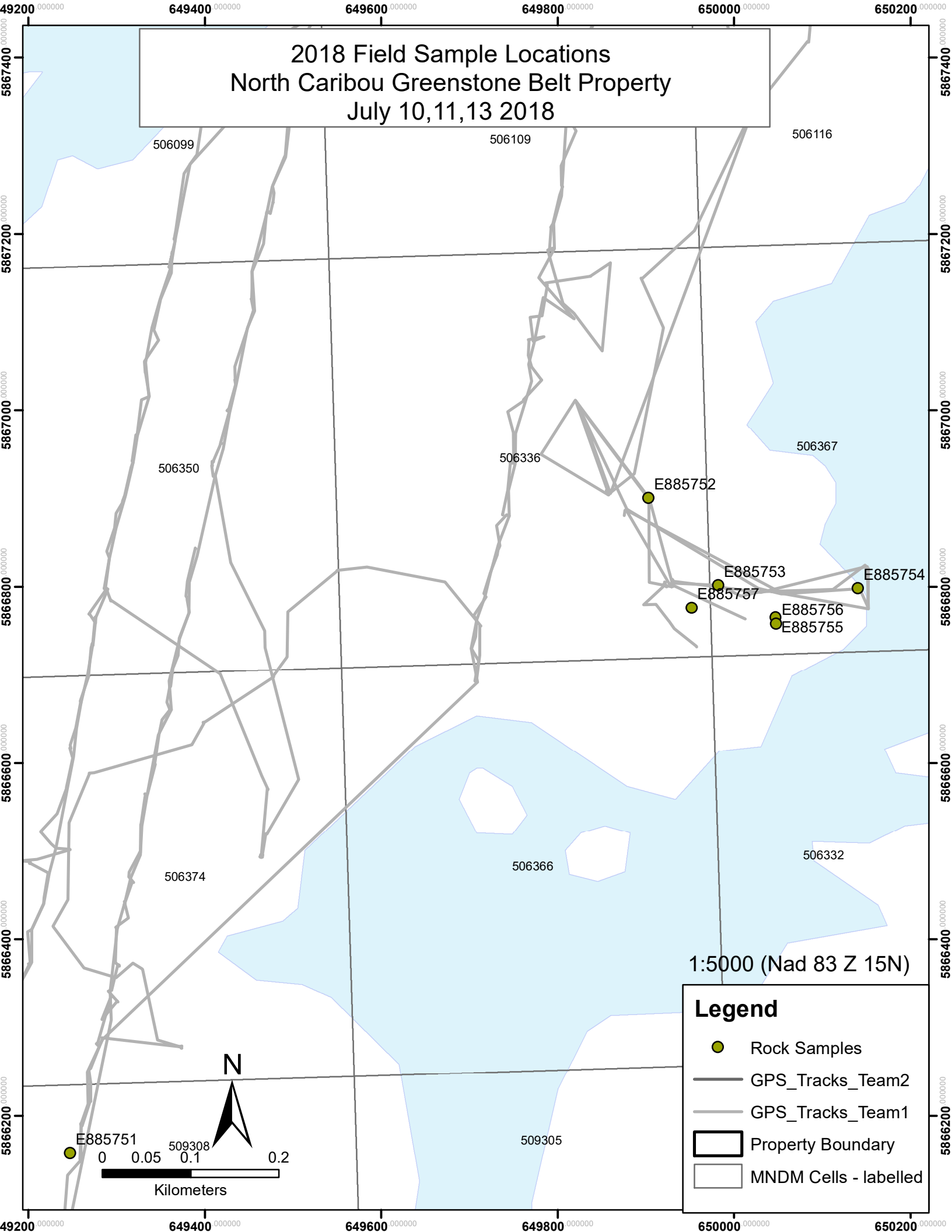

2018 Field Sample Locations
North Caribou Greenstone Belt Property
June 14, 17 2018
634000
634400
634800
635200
635600
636000
5872300
5872000
5871700
5871400
5871100
5870800
507457
507474
507476
507244
507451
507453
507468
507464
507462
507463
507243
507447
507473
507445
507469
507471
507449
507467
507452
507455
507446
507475
507466
507251
507450
507443
507454
507460
507448
E881963
E885635
E885634
E885633
E885632
E885645
1:9000 (Nad 83 Z 15N)
N
0 0.1 0.2 0.4
Kilometers
Legend
Rock Samples
GPS_Tracks_Team2
GPS_Tracks_Team1
Property Boundary
MNDM Cells - labelled

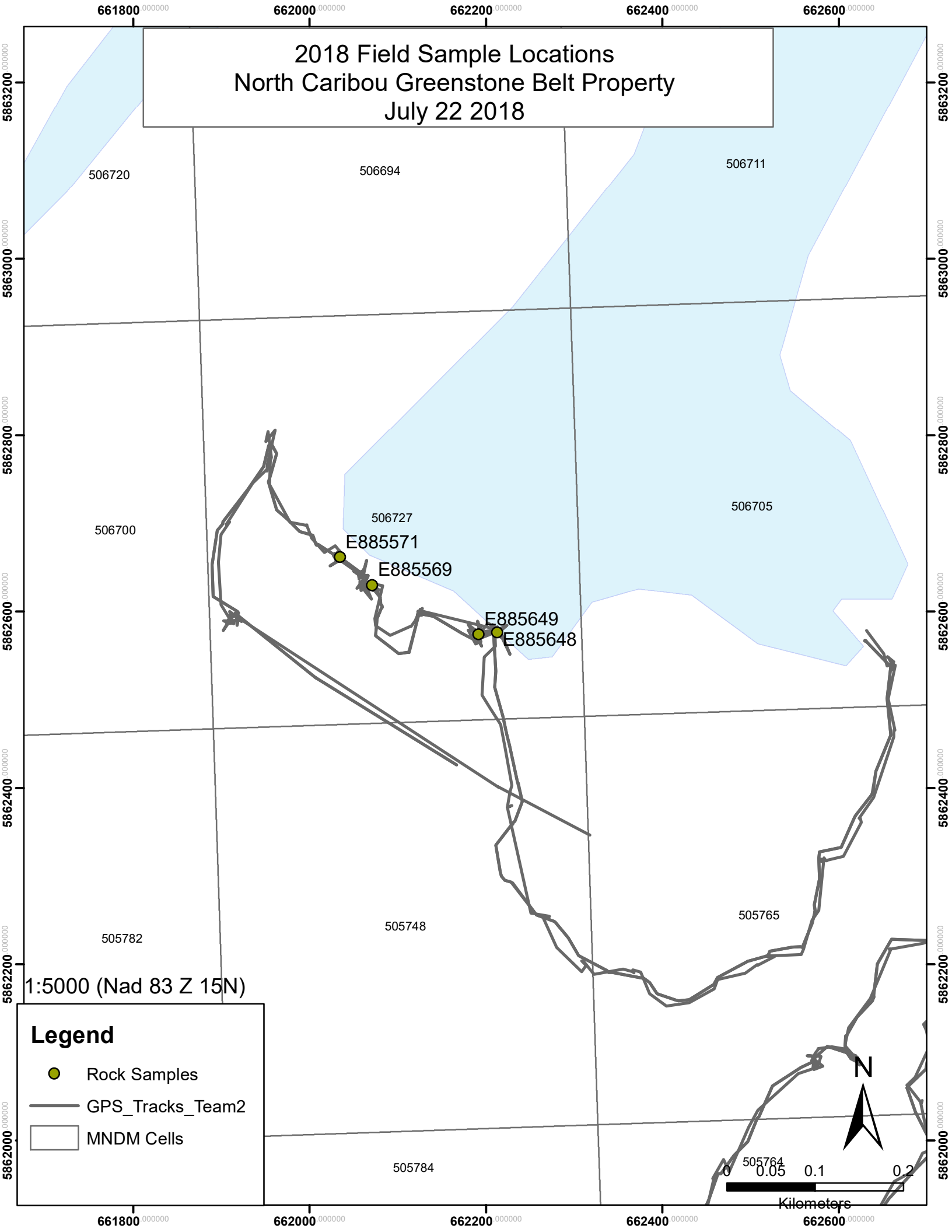

2018 Field Sample Locations
North Caribou Greenstone Belt Property
June 22, Sept 20 2018
650600
650800
651000
651200
651400
5871400
5871200
5871000
5870800
5870600
5870400
5870200
508324
507551
507562
507549
508315
507555
507550
507548
508305
507535
507557
507578
E885508
E885507
E885509
E885511
E885512
E885513
E885514
E885915
E885503
E885505
E885506
E885504
E885502
E885501
N
0
0.075
0.15
0.3
Kilometers
1:5000 (Nad 83 Z 15N)
Legend
Rock Samples
GPS_Tracks_Team2
GPS_Tracks_Team1
Property Boundary
MNDM Cells - labelled

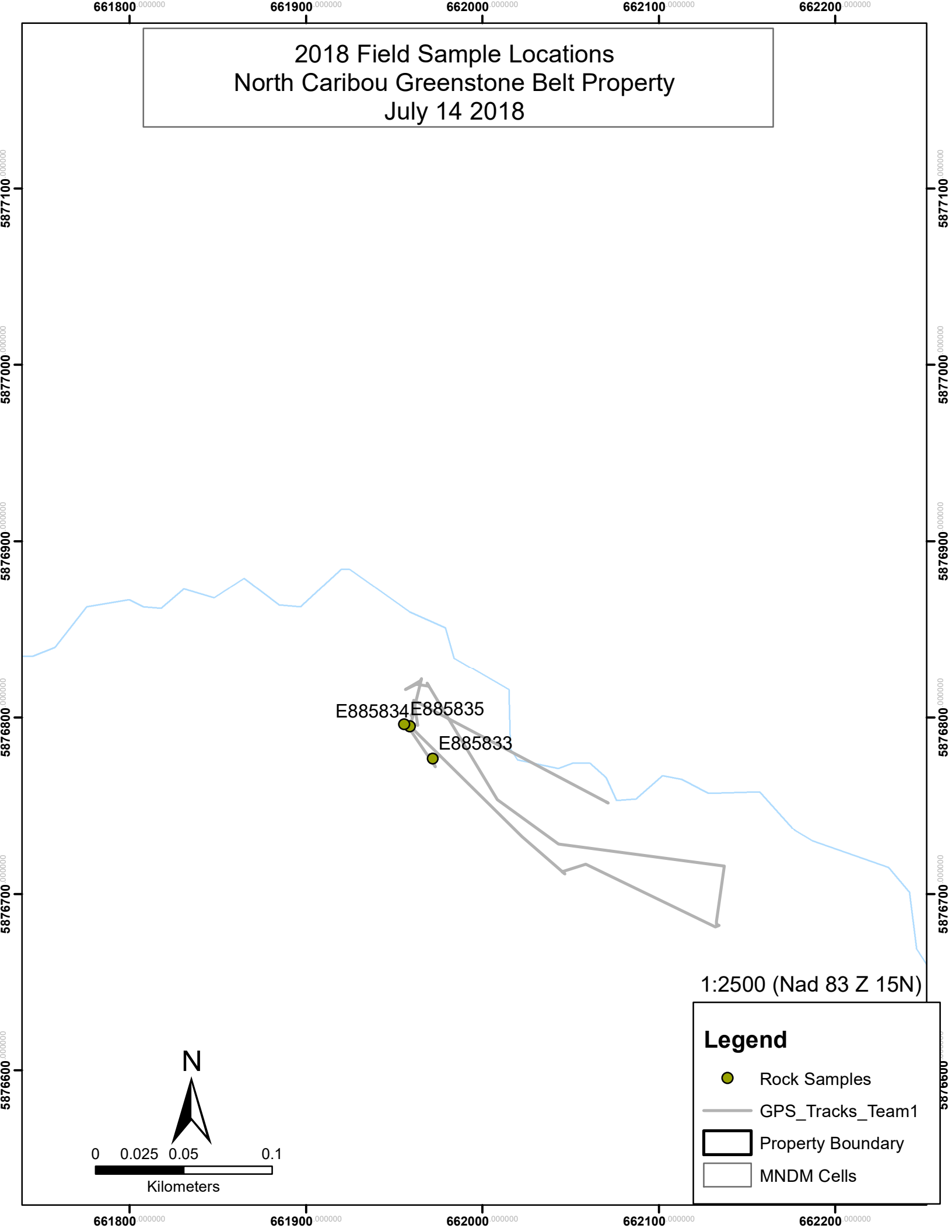

2018 Field Sample Locations
North Caribou Greenstone Belt Property
June 24, 25, 26 2018
N
0 0.075 0.15 0.3
Kilometers
1:6000 (Nad 83 Z 15N)
Legend
Rock Samples
GPS_Tracks_Team2
GPS_Tracks_Team1
Property Boundary
MNDM Cells - labelled
E885515
E885519
E885518
E885521
E885541
E885542
E885539
E885538
E885537
E885533
E885532
E885531
E885529
E885527
E885522
E885523
E885536
508140
508107
508124
508220
508213
508193
508232
508130
508141
508212
508236
508106
508109
508108
508235
645400
645600
645800
646000
646200
646400
5872600
5872300
5872000
5871700
5871400
5871100

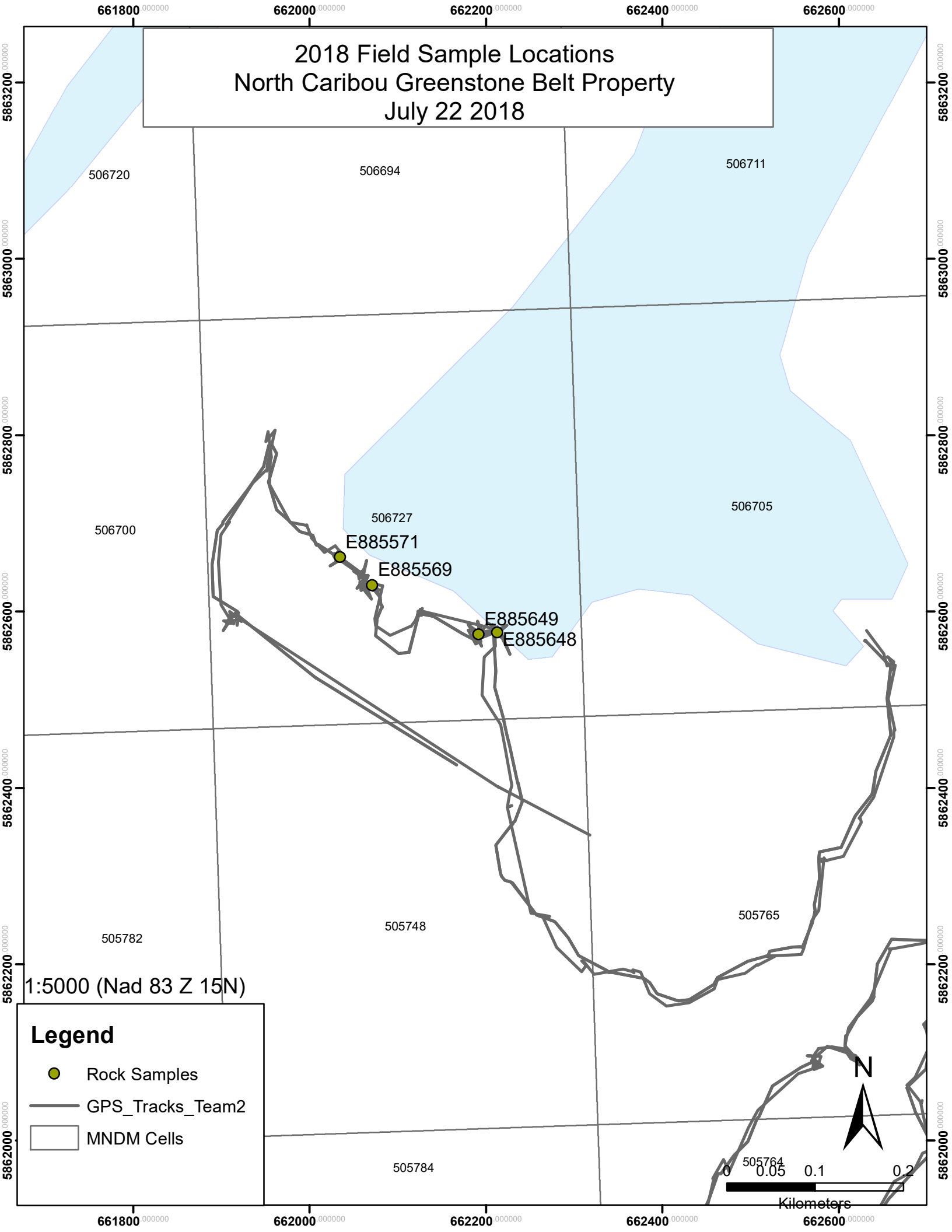

2018 Field Sample Locations
North Caribou Greenstone Belt Property
June 27 2018
647400
647600
647800
648000
648200
648400
5872800
5872600
5872400
5872200
5872000
5871800
508197
508217
508234
508205
508198
508230
508215
508206
508218
508202
508233
E885543
E885544
1:5000 (Nad 83 Z 15N)
N
0
0.075
0.15
0.3
Kilometers
Legend
Rock Samples
GPS_Tracks_Team2
GPS_Tracks_Team1
Property Boundary
MNDM Cells - labelled

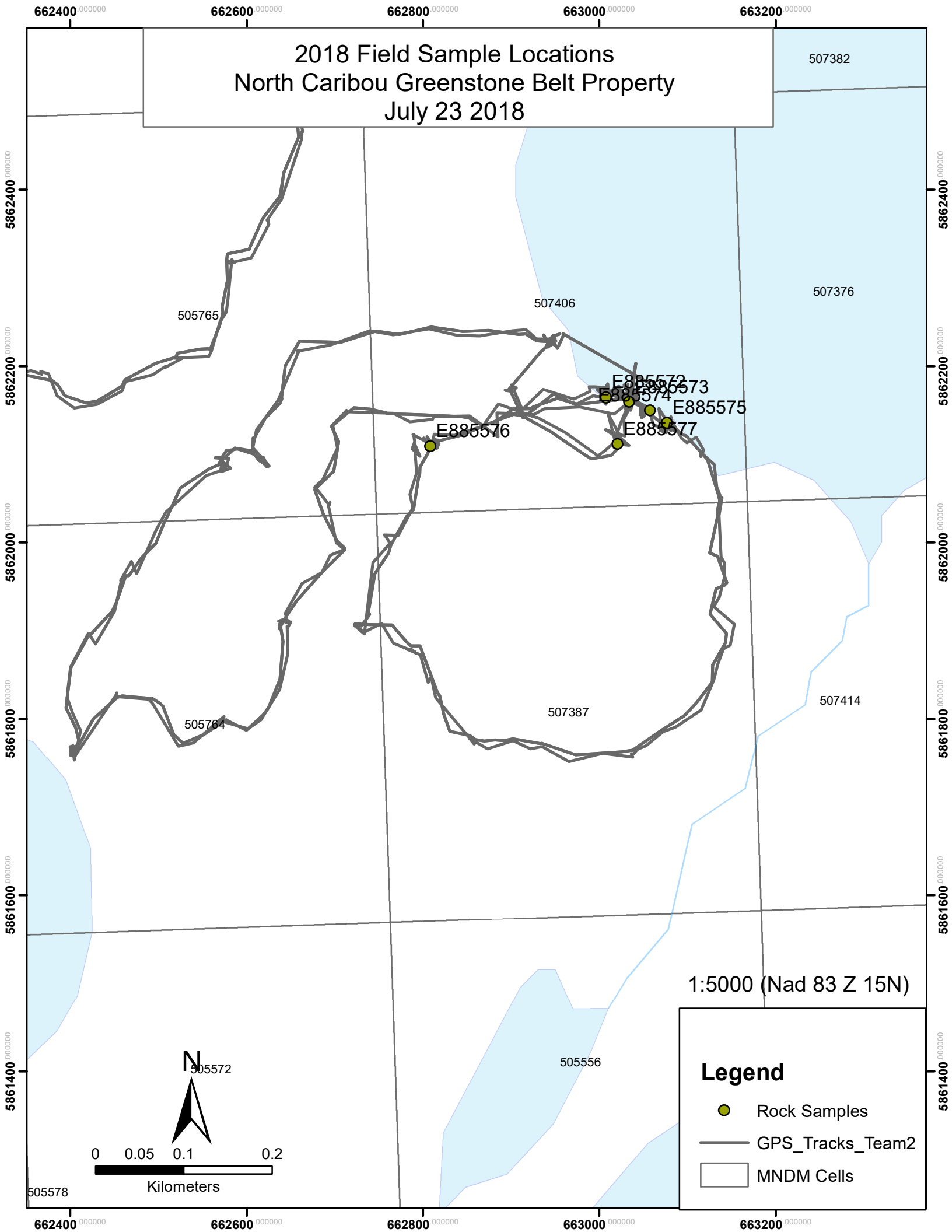

2018 Field Sample Locations
North Caribou Greenstone Belt Property
Aug 10 2018
633000
633200
633400
633600
633800
5862400
5862200
5862000
5861800
5861600
5861400
5861200
506614
506633
506615
506634
506620
506621
509689
509728
509695
509694
509713
E886138
E886136
E886137
E886139
1:5000 (Nad 83 Z 15N)
N
0
0.05
0.1
0.2
Kilometers
Legend
Rock Samples
GPS_Tracks_Team2
GPS_Tracks_Team1
Property Boundary
MNDM Cells - labelled

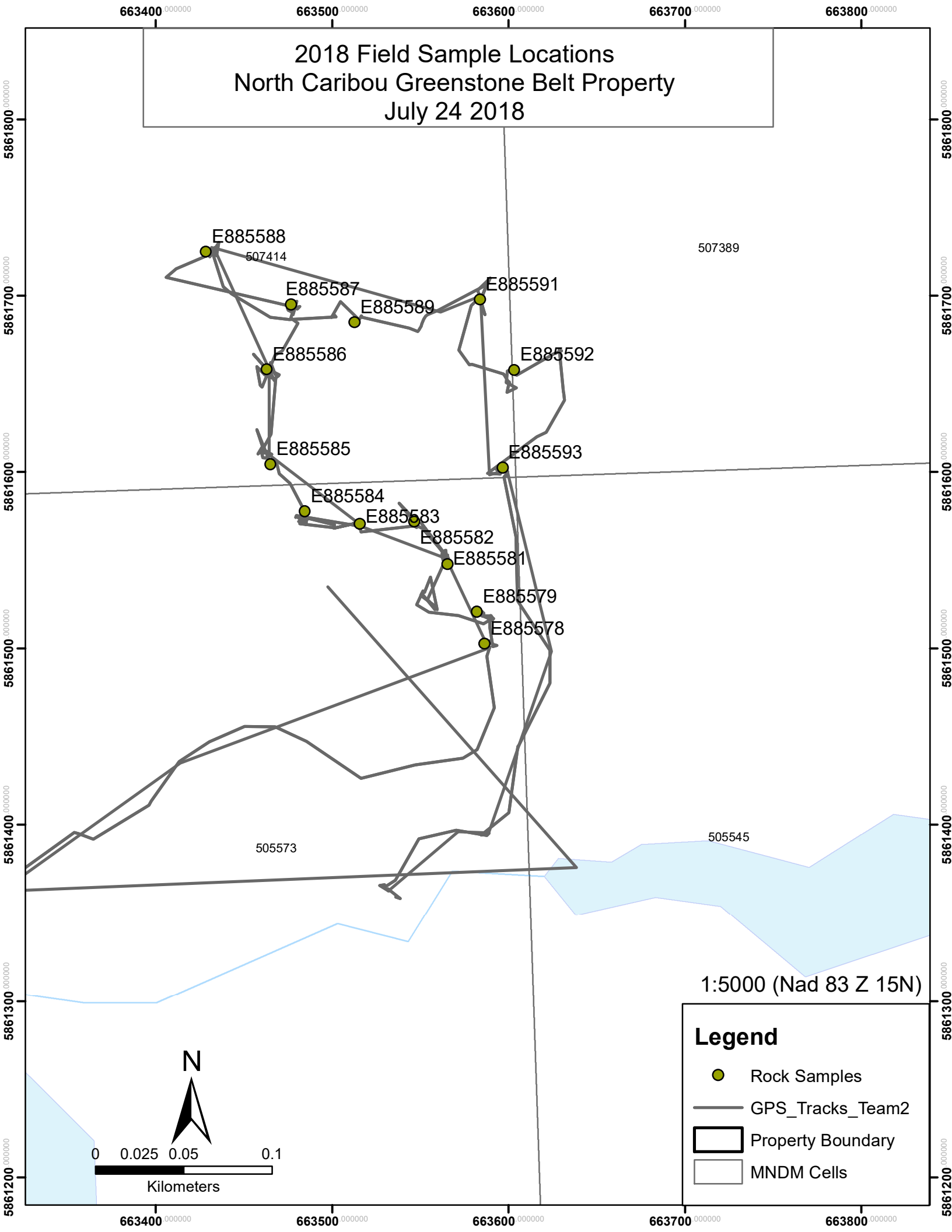

2018 Field Sample Locations
North Caribou Greenstone Belt Property
July 10,11,13 2018
506099
506109
506116
506350
506336
506367
506374
506366
506332
509305
509308
E885751
E885752
E885753
E885754
E885755
E885756
E885757
N
0 0.05 0.1 0.2
Kilometers
1:5000 (Nad 83 Z 15N)
Legend
Rock Samples
GPS_Tracks_Team2
GPS_Tracks_Team1
Property Boundary
MNDM Cells - labelled
649200
649400
649600
649800
650000
650200
5867400
5867200
5867000
5866800
5866600
5866400
5866200

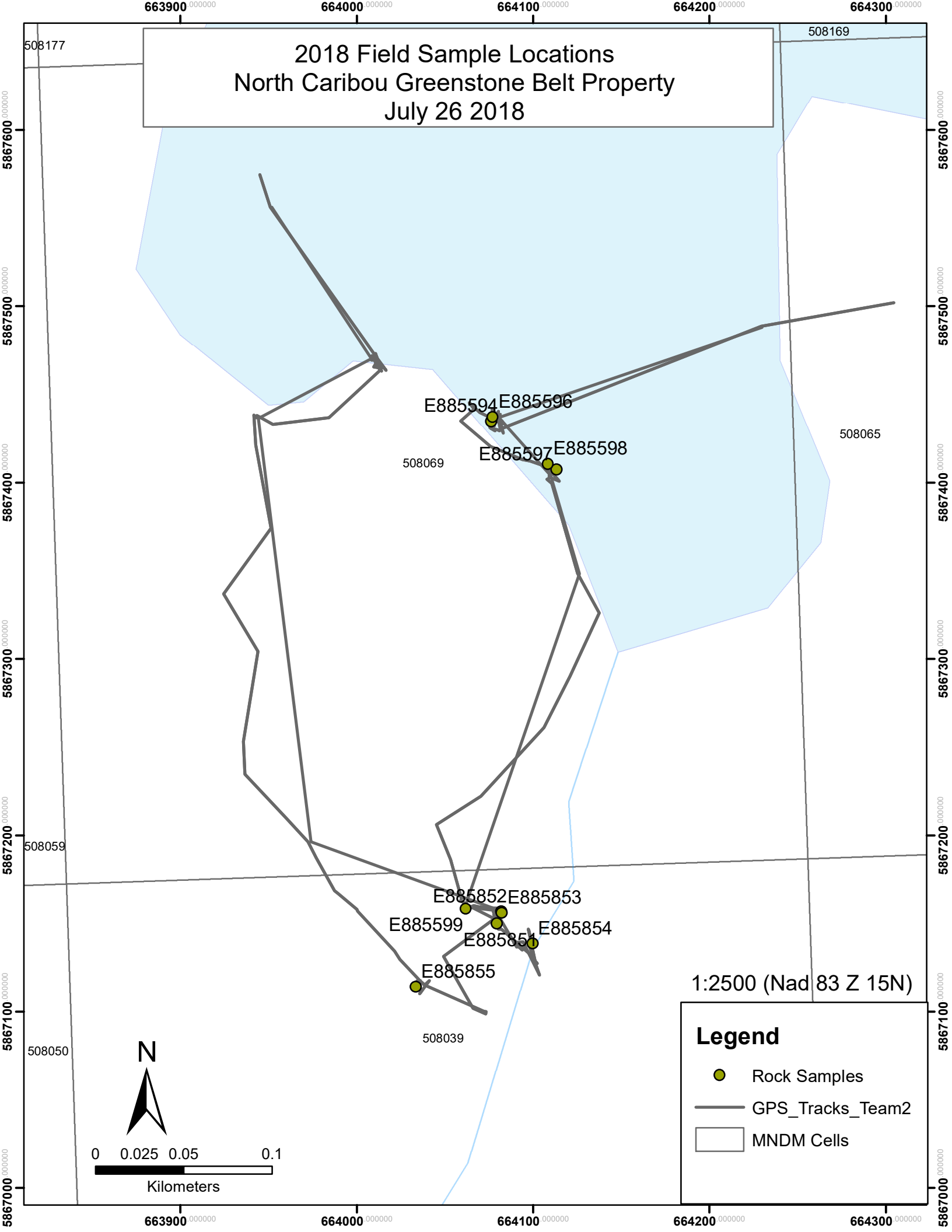

2018 Field Sample Locations
North Caribou Greenstone Belt Property
July 22 2018
506720
506694
506711
506700
506727
506705
E885571
E885569
E885649
E885648
505782
505748
505765
505784
505764
1:5000 (Nad 83 Z 15N)
Legend
Rock Samples
GPS_Tracks_Team2
MNDM Cells
N
0 0.05 0.1 0.2
Kilometers
661800
662000
662200
662400
662600
5863200
5863000
5862800
5862600
5862400
5862200
5862000

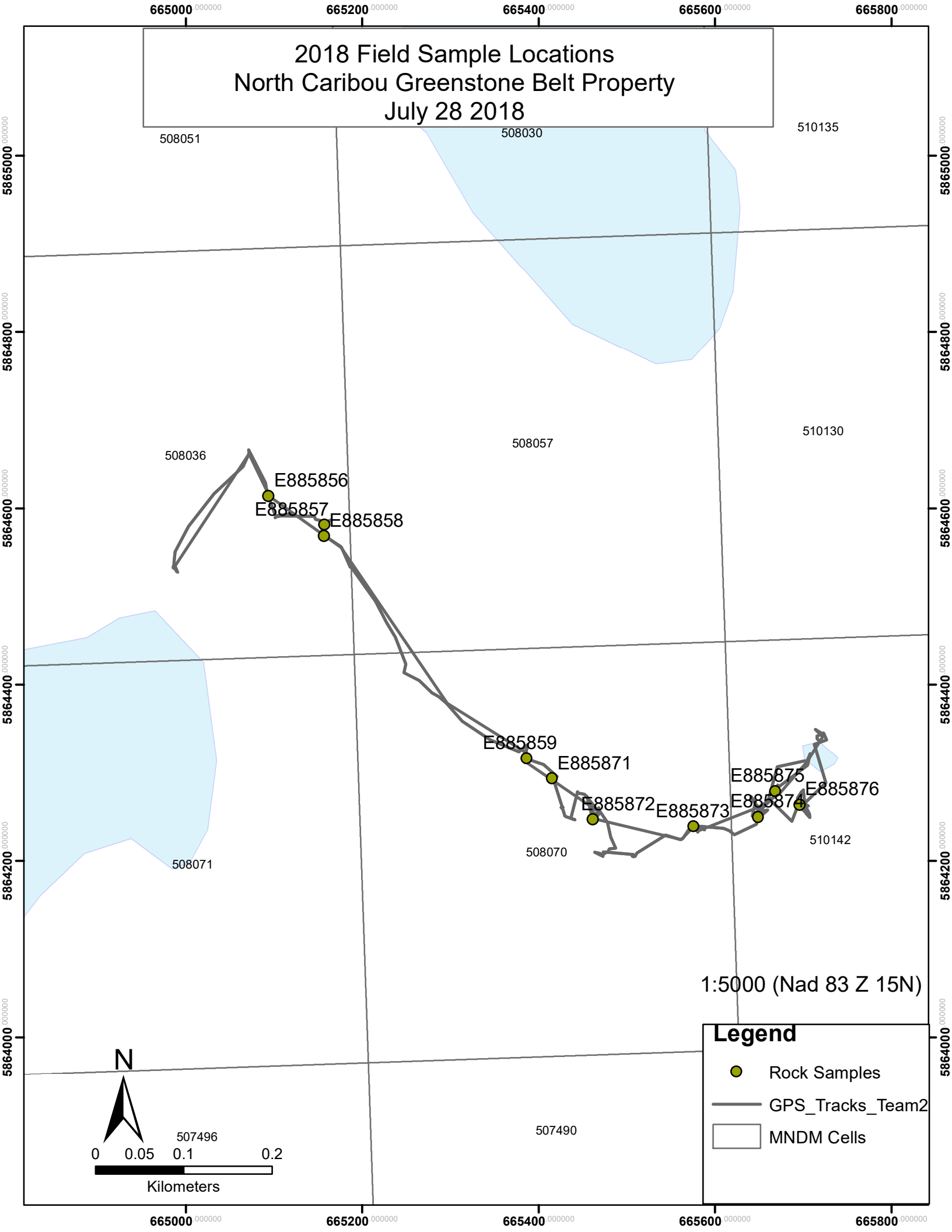

2018 Field Sample Locations
North Caribou Greenstone Belt Property
July 14 2018
661800
661900
662000
662100
662200
5877100
5877000
5876900
5876800
5876700
5876600
E885834
E885835
E885833
1:2500 (Nad 83 Z 15N)
N
0 0.025 0.05 0.1
Kilometers
Legend
Rock Samples
GPS_Tracks_Team1
Property Boundary
MNDM Cells

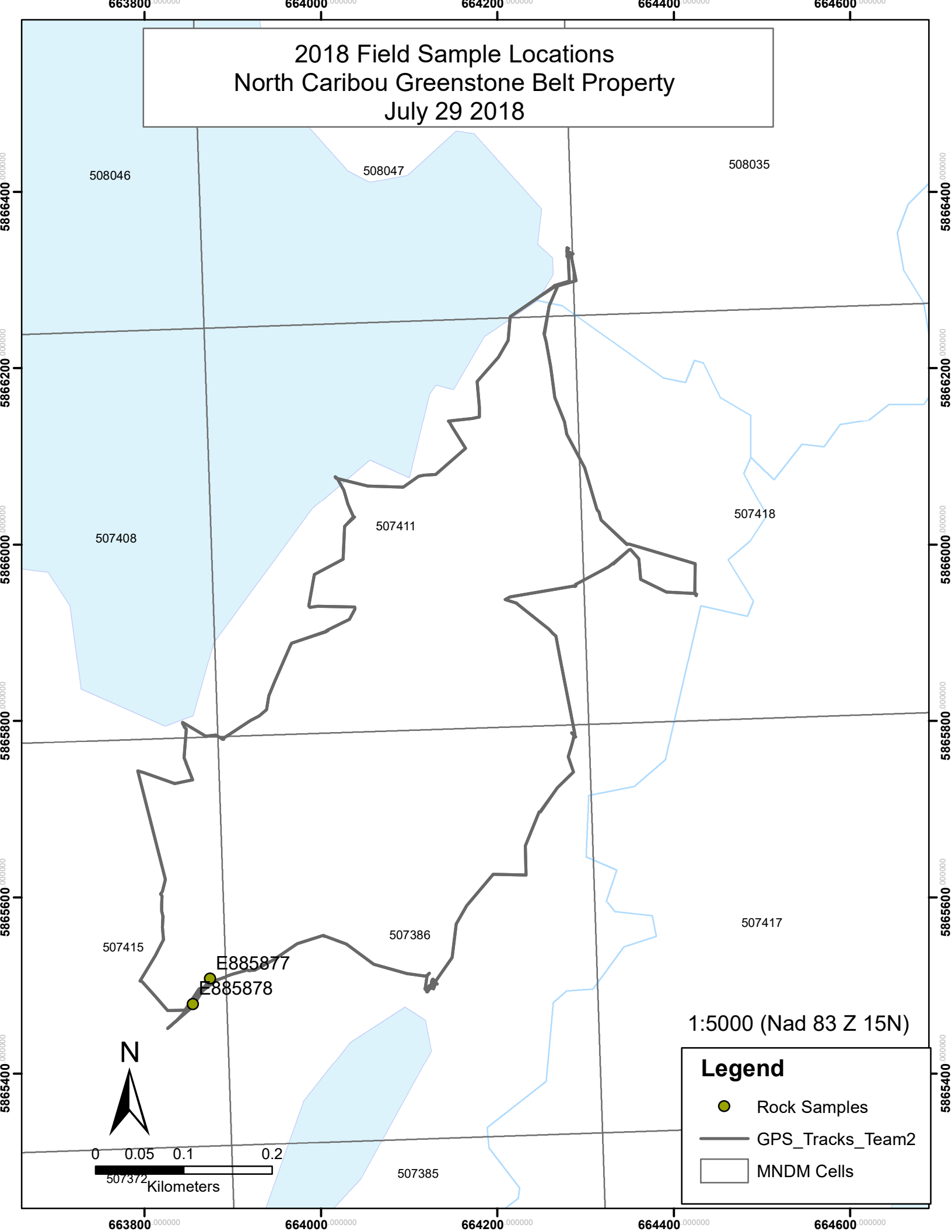

2018 Field Sample Locations
North Caribou Greenstone Belt Property
July 22 2018
506720
506694
506711
506700
506727
506705
E885571
E885569
E885649
E885648
505782
505748
505765
505784
505764
1:5000 (Nad 83 Z 15N)
Legend
Rock Samples
GPS_Tracks_Team2
MNDM Cells
N
0 0.05 0.1 0.2
Kilometers
661800
662000
662200
662400
662600
5863200
5863000
5862800
5862600
5862400
5862200
5862000

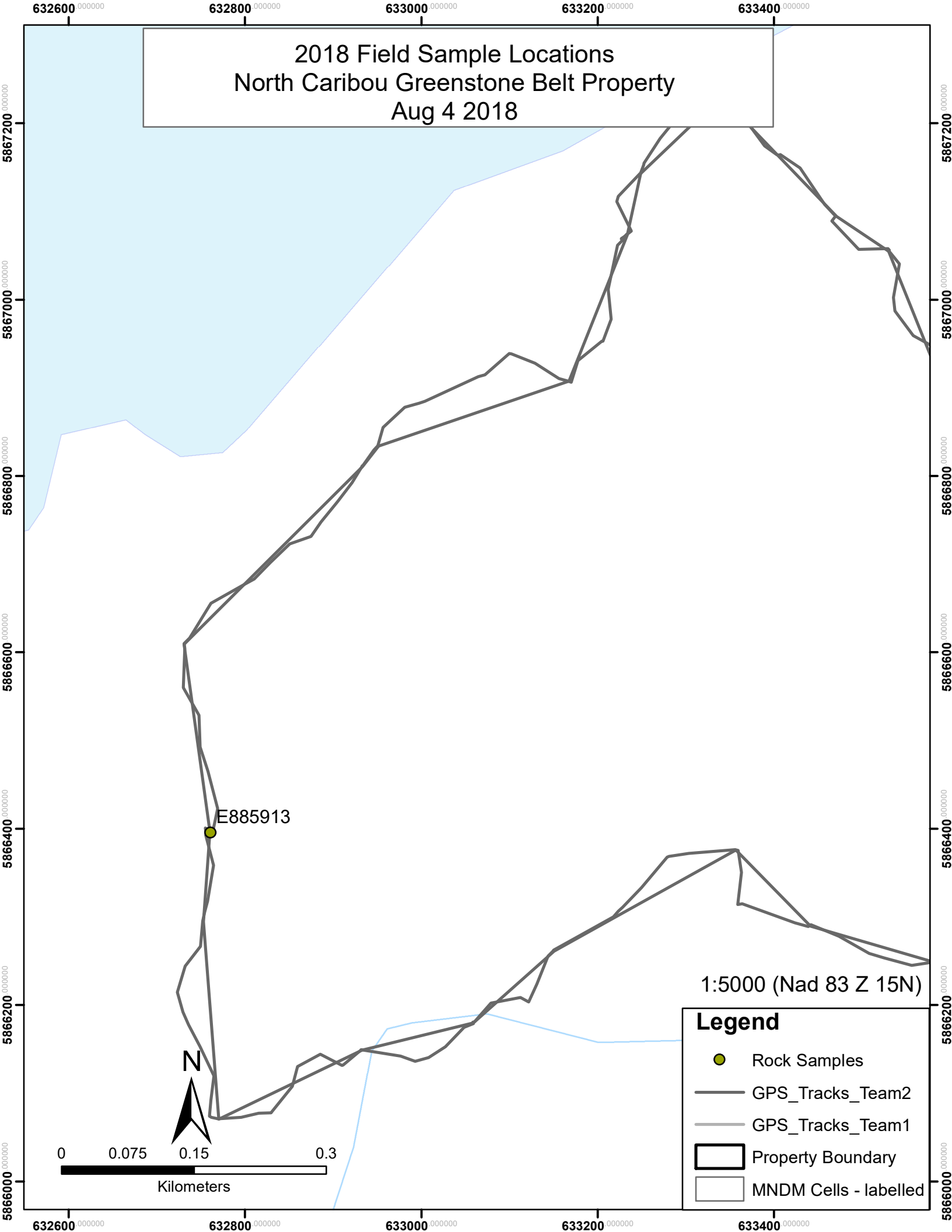

2018 Field Sample Locations
North Caribou Greenstone Belt Property
July 23 2018
662400
662600
662800
663000
663200
5862400
5862200
5862000
5861800
5861600
5861400
507382
507376
507406
505765
507387
505764
507414
505556
505572
505578
E885572
E885573
E885574
E885575
E885576
E885577
N
0 0.05 0.1 0.2
Kilometers
1:5000 (Nad 83 Z 15N)
Legend
Rock Samples
GPS_Tracks_Team2
MNDM Cells

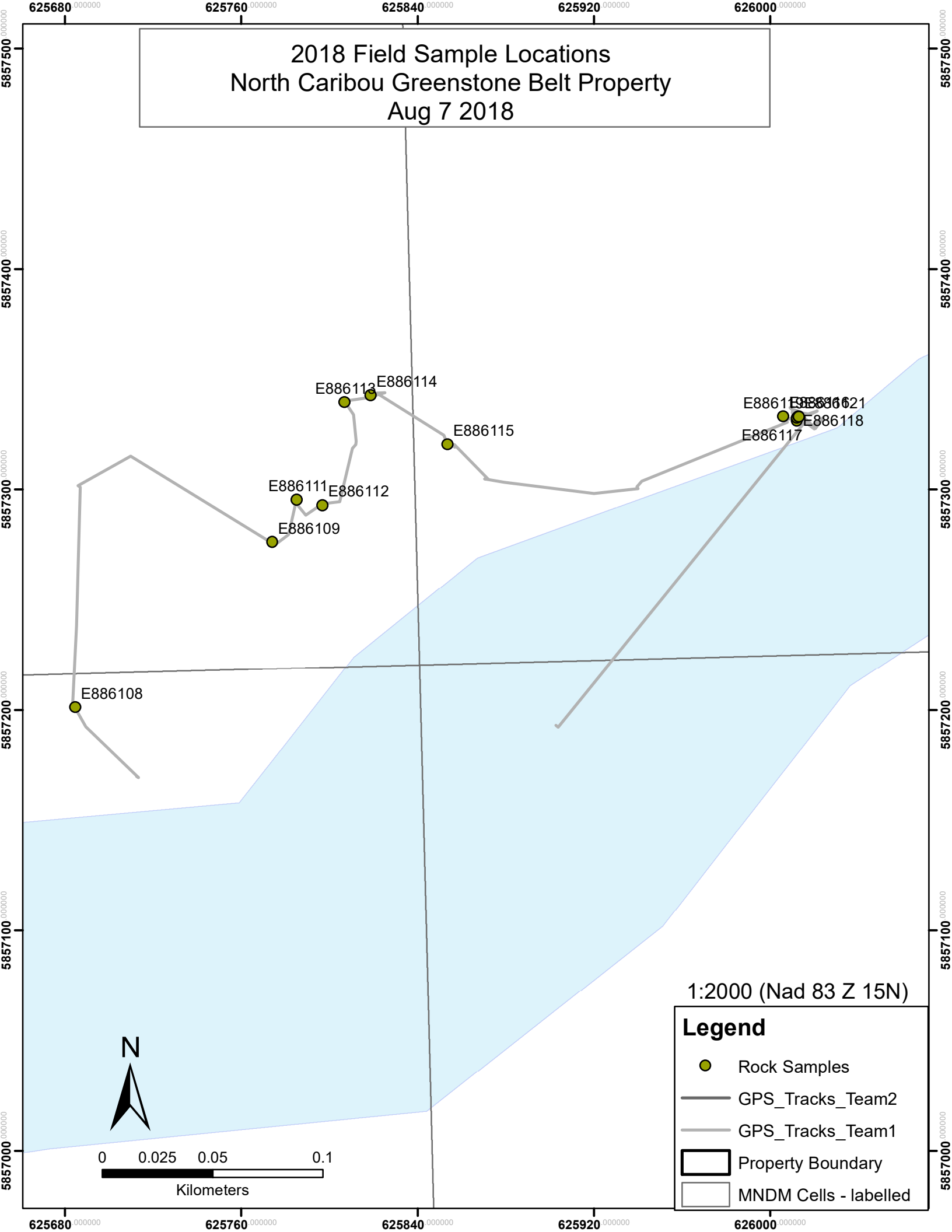

2018 Field Sample Locations
North Caribou Greenstone Belt Property
July 24 2018
663400
663500
663600
663700
663800
5861800
5861700
5861600
5861500
5861400
5861300
5861200
E885588
507414
E885587
E885589
E885591
E885586
E885592
E885585
E885593
E885584
E885583
E885582
E885581
E885579
E885578
507389
505573
505545
1:5000 (Nad 83 Z 15N)
N
0 0.025 0.05 0.1
Kilometers
Legend
Rock Samples
GPS_Tracks_Team2
Property Boundary
MNDM Cells

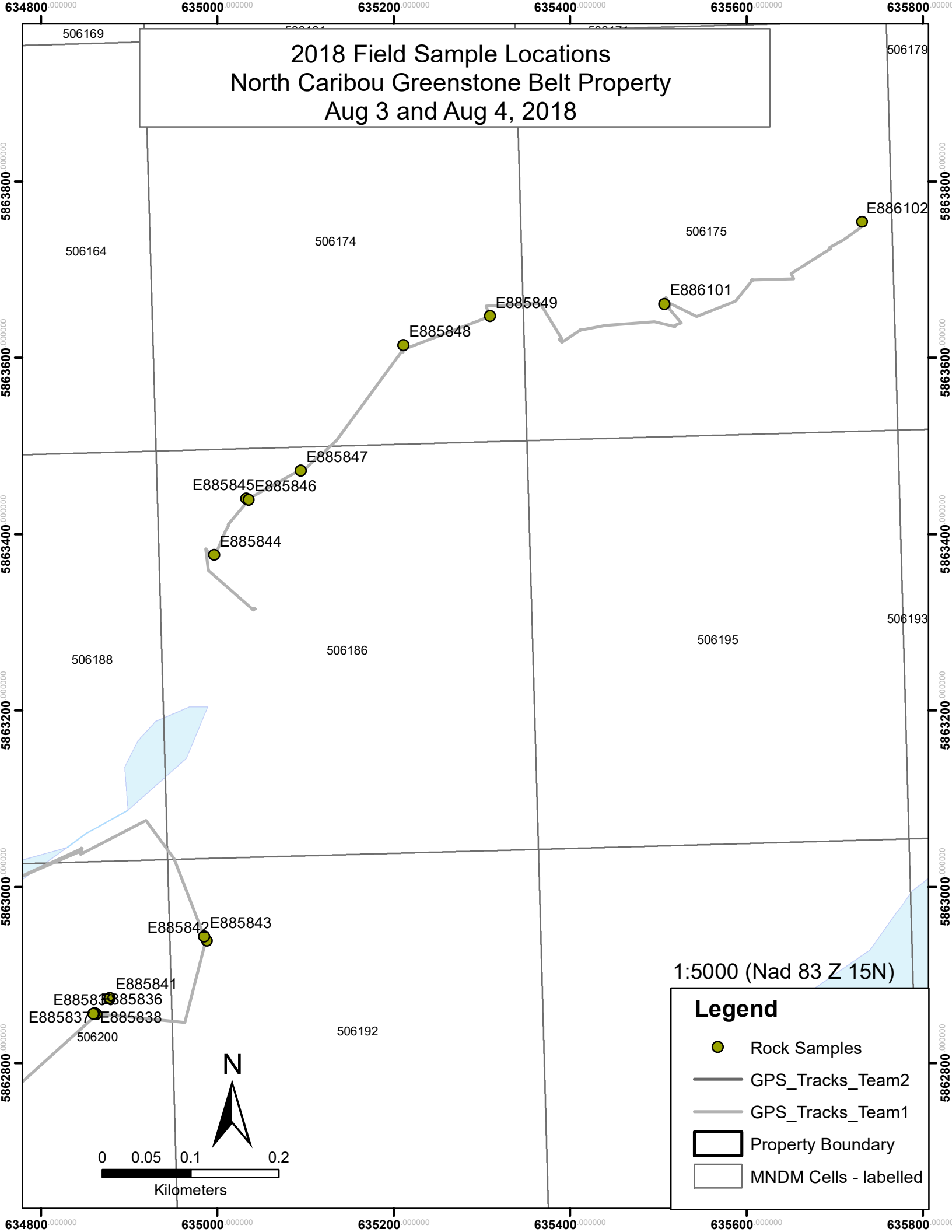

2018 Field Sample Locations
North Caribou Greenstone Belt Property
July 26 2018
663900
664000
664100
664200
664300
5867600
5867500
5867400
5867300
5867200
5867100
5867000
508177
508169
508065
508069
508059
508050
508039
E885594
E885596
E885597
E885598
E885852
E885853
E885599
E885854
E885851
E885855
N
0 0.025 0.05 0.1
Kilometers
1:2500 (Nad 83 Z 15N)
Legend
Rock Samples
GPS_Tracks_Team2
MNDM Cells

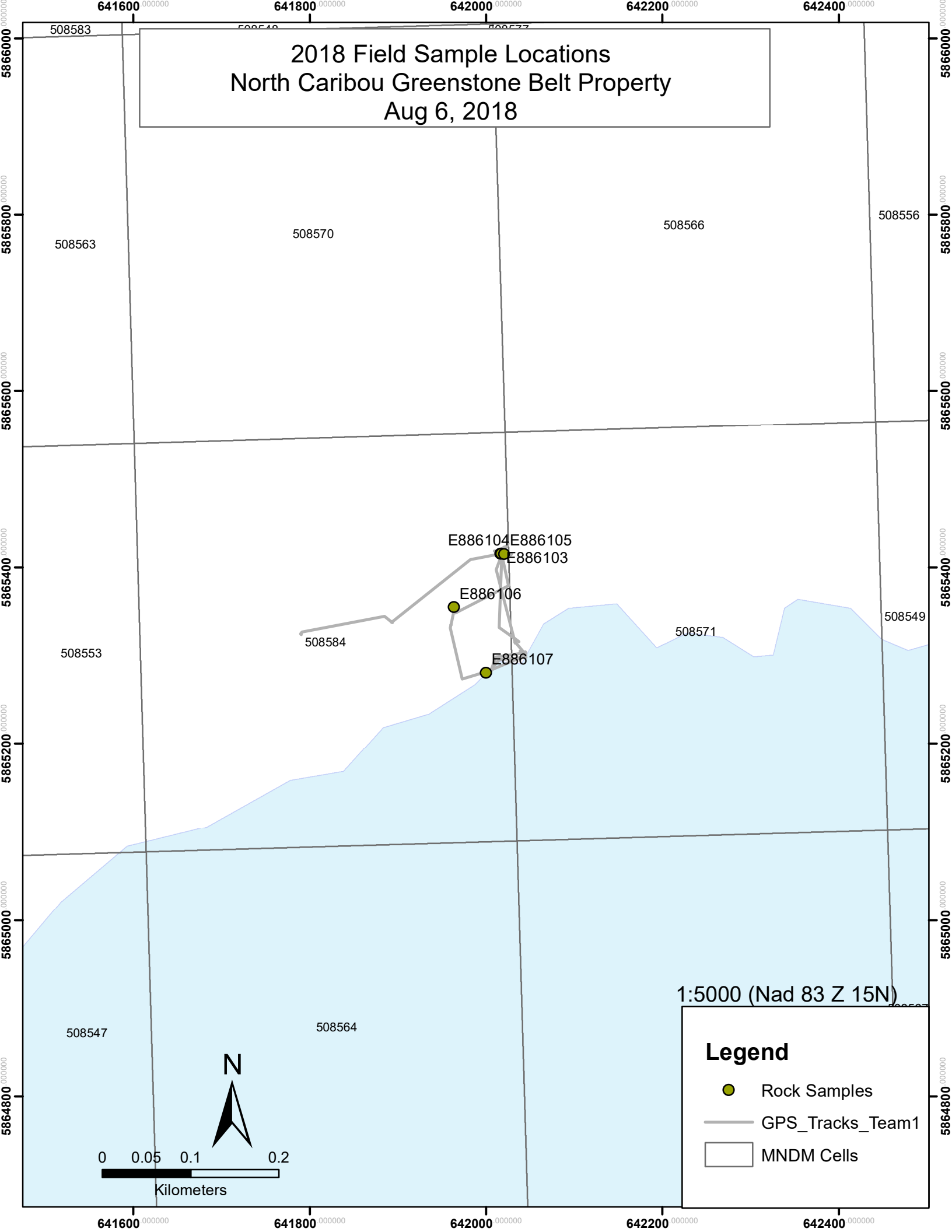

2018 Field Sample Locations
North Caribou Greenstone Belt Property
July 28 2018
665000
665200
665400
665600
665800
5865000
5864800
5864600
5864400
5864200
5864000
508051
508030
510135
508036
508057
510130
E885856
E885857
E885858
E885859
E885871
E885872
E885873
E885874
E885875
E885876
508071
508070
510142
507490
507496
1:5000 (Nad 83 Z 15N)
N
0
0.05
0.1
0.2
Kilometers
Legend
Rock Samples
GPS_Tracks_Team2
MNDM Cells

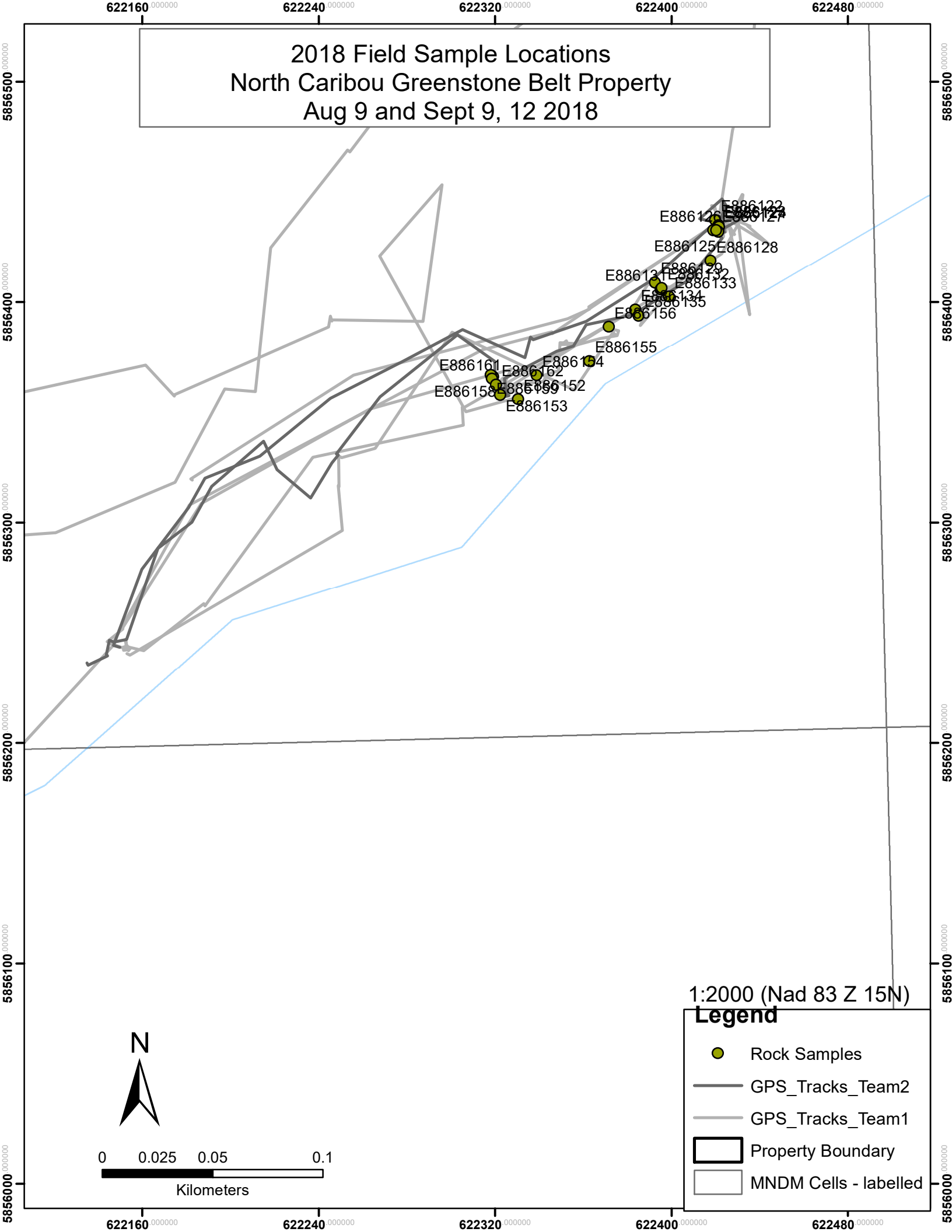

2018 Field Sample Locations
North Caribou Greenstone Belt Property
July 29 2018
508046
508047
508035
507408
507411
507418
507415
507386
507417
507385
507372
E885877
E885878
663800
664000
664200
664400
664600
5866400
5866200
5866000
5865800
5865600
5865400
N
0 0.05 0.1 0.2
Kilometers
1:5000 (Nad 83 Z 15N)
Legend
Rock Samples
GPS_Tracks_Team2
MNDM Cells

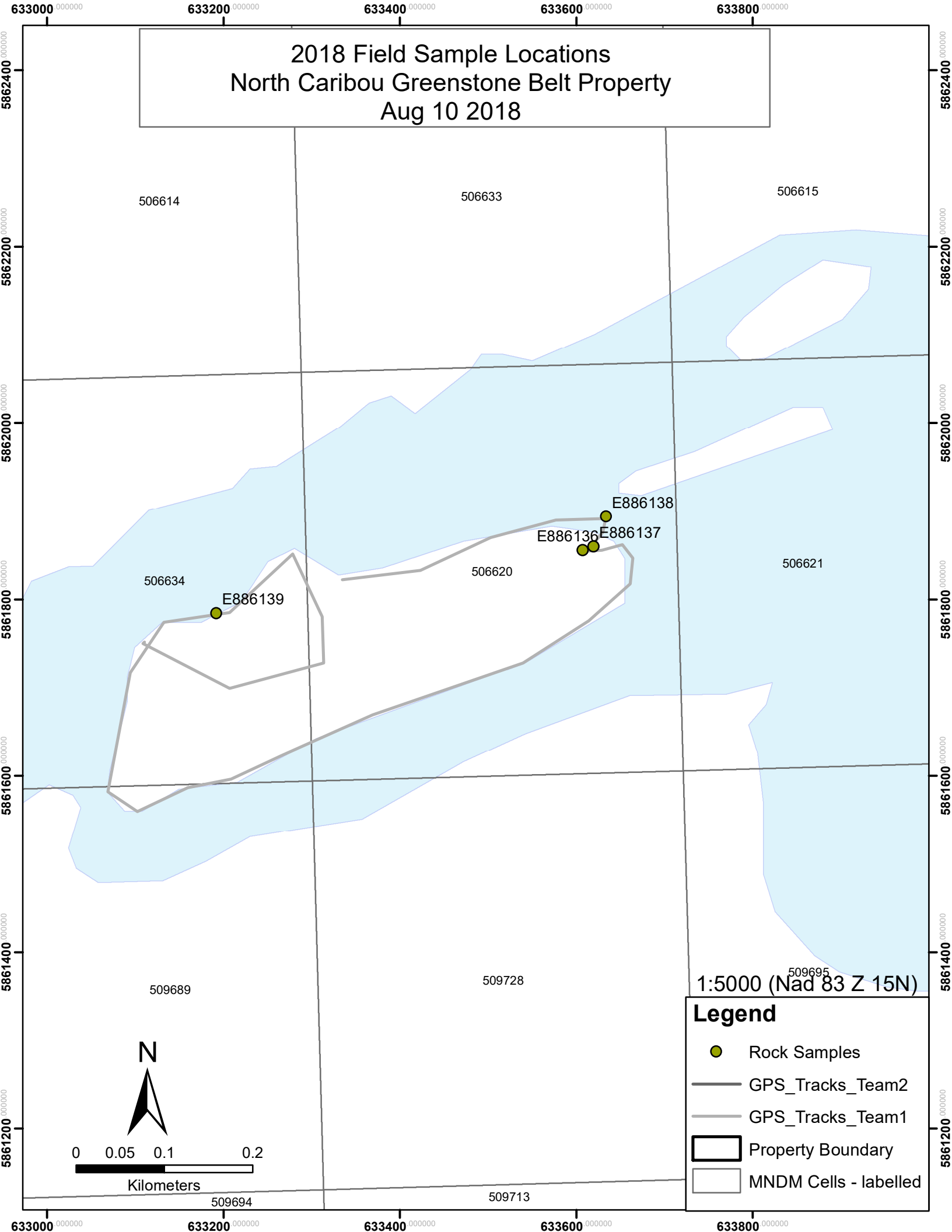

2018 Field Sample Locations
North Caribou Greenstone Belt Property
Aug 4 2018
632600
632800
633000
633200
633400
5867200
5867000
5866800
5866600
5866400
5866200
5866000
E885913
N
0
0.075
0.15
0.3
Kilometers
1:5000 (Nad 83 Z 15N)
Legend
Rock Samples
GPS_Tracks_Team2
GPS_Tracks_Team1
Property Boundary
MNDM Cells - labelled

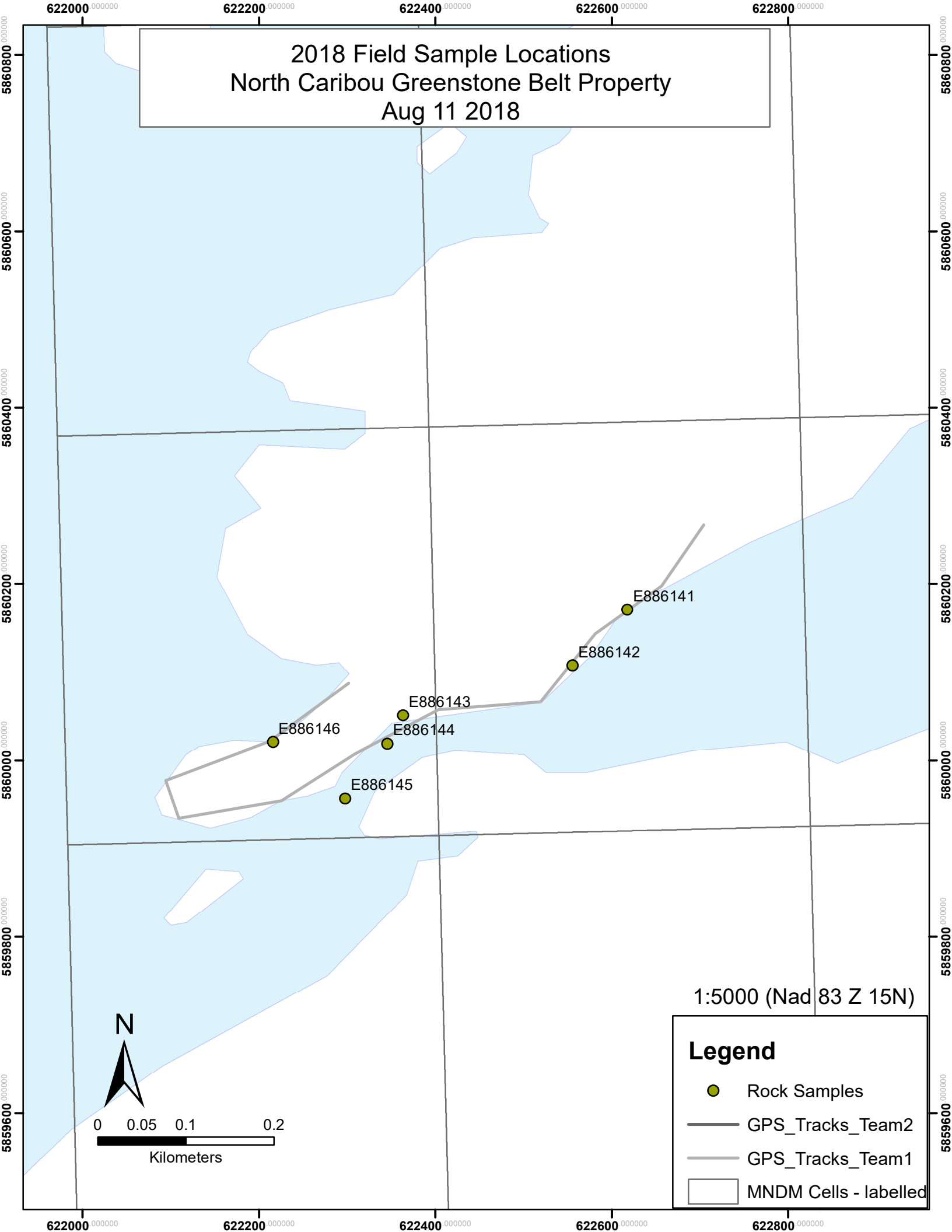

2018 Field Sample Locations
North Caribou Greenstone Belt Property
Aug 7 2018
625680
625760
625840
625920
626000
5857500
5857400
5857300
5857200
5857100
5857000
E886113
E886114
E886115
E886111
E886112
E886109
E886108
E886117
E886118
1:2000 (Nad 83 Z 15N)
N
0
0.025
0.05
0.1
Kilometers
Legend
Rock Samples
GPS_Tracks_Team2
GPS_Tracks_Team1
Property Boundary
MNDM Cells - labelled

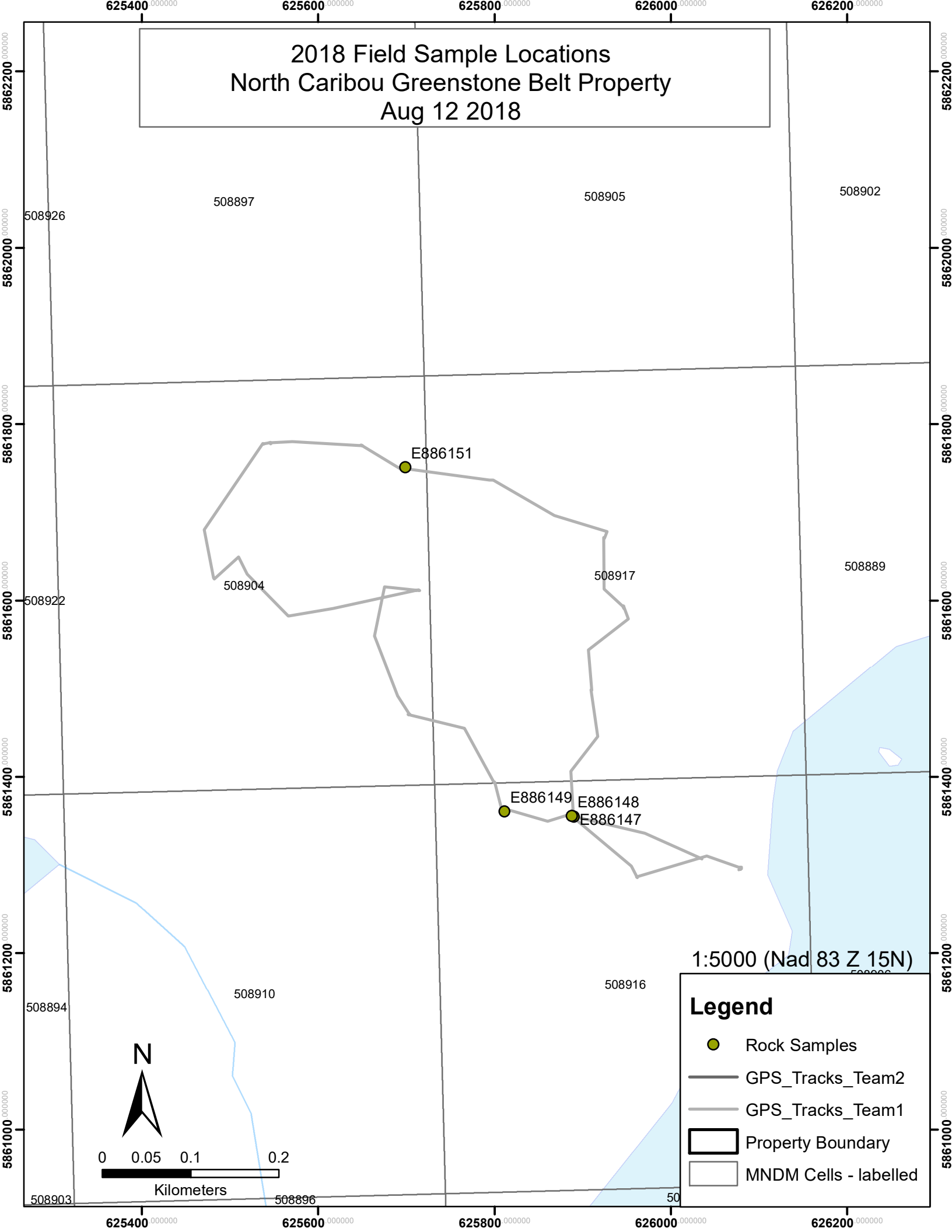

2018 Field Sample Locations
North Caribou Greenstone Belt Property
Aug 3 and Aug 4, 2018
634800
635000
635200
635400
635600
635800
5863800
5863600
5863400
5863200
5863000
5862800
506169
506179
506164
506174
506175
506188
506186
506195
506193
506200
506192
E886102
E886101
E885849
E885848
E885847
E885845
E885846
E885844
E885842
E885843
E885841
E885836
E885837
E885838
N
0 0.05 0.1 0.2
Kilometers
1:5000 (Nad 83 Z 15N)
Legend
Rock Samples
GPS_Tracks_Team2
GPS_Tracks_Team1
Property Boundary
MNDM Cells - labelled


2018 Field Sample Locations
North Caribou Greenstone Belt Property
Aug 6, 2018
641600
641800
642000
642200
642400
5866000
5865800
5865600
5865400
5865200
5865000
5864800
508583
508563
508570
508566
508556
508553
508584
508571
508549
508547
508564
E886104
E886105
E886103
E886106
E886107
N
0
0.05
0.1
0.2
Kilometers
1:5000 (Nad 83 Z 15N)
Legend
Rock Samples
GPS_Tracks_Team1
MNDM Cells


2018 Field Sample Locations
North Caribou Greenstone Belt Property
Aug 9 and Sept 9, 12 2018
622160
622240
622320
622400
622480
5856500
5856400
5856300
5856200
5856100
5856000
E886122
E886125
E886128
E886133
E886135
E886156
E886155
E886154
E886161
E886162
E886152
E886153
N
0
0.025
0.05
0.1
Kilometers
1:2000 (Nad 83 Z 15N)
Legend
Rock Samples
GPS_Tracks_Team2
GPS_Tracks_Team1
Property Boundary
MNDM Cells - labelled


2018 Field Sample Locations
North Caribou Greenstone Belt Property
Aug 10 2018
633000
633200
633400
633600
633800
5862400
5862200
5862000
5861800
5861600
5861400
5861200
506614
506633
506615
506634
506620
506621
509689
509728
509695
509694
509713
E886138
E886136
E886137
E886139
1:5000 (Nad 83 Z 15N)
N
0
0.05
0.1
0.2
Kilometers
Legend
Rock Samples
GPS_Tracks_Team2
GPS_Tracks_Team1
Property Boundary
MNDM Cells - labelled


2018 Field Sample Locations
North Caribou Greenstone Belt Property
Aug 11 2018
622000
622200
622400
622600
622800
5860800
5860600
5860400
5860200
5860000
5859800
5859600
E886141
E886142
E886143
E886144
E886145
E886146
1:5000 (Nad 83 Z 15N)
N
0 0.05 0.1 0.2
Kilometers
Legend
Rock Samples
GPS_Tracks_Team2
GPS_Tracks_Team1
MNDM Cells - labelled


2018 Field Sample Locations
North Caribou Greenstone Belt Property
Aug 12 2018
625400
625600
625800
626000
626200
5862200
5862000
5861800
5861600
5861400
5861200
5861000
508897
508905
508902
508926
508904
508917
508889
508922
508910
508916
508894
508903
508896
E886151
E886149
E886148
E886147
1:5000 (Nad 83 Z 15N)
Legend
Rock Samples
GPS_Tracks_Team2
GPS_Tracks_Team1
Property Boundary
MNDM Cells - labelled
N
0
0.05
0.1
0.2
Kilometers

Appendix IX– Full table of samples and results

Lithogeochemical Samples
Biogeochemical Samples

2018 North Caribou Greenston Belt Exploration Lithogeochemical Samples - 4 Acid ICP-MS and Fire Assay

| Date | ID | Sample Number | Claim Type | Sample Rock Type | Outcrop | Veining Vein Type | Vein Azimuth | Vein Dip | Vein Fabric | Fabric Intensity | Fabric Azimuth | Fabric Dip | Fault Intensity | Fault Azimuth | Fault Dip | Magnetic Susceptibility | Lab | Au ppb | B ppm | Li ppm | Na % | Mg % | Al % | K % | Ca % | Cd ppm | V ppm | Cr ppm | Mn ppm | Fe % | Co ppm | Ni ppm | Cu ppm | Zn ppm | Ga ppm | As ppm | Rb ppm | Sr ppm | Y ppm | Zr ppm | Nb ppm | Mo ppm | In ppm | Sn ppm | Sb ppm | Cs ppm | Ba ppm | La ppm | Ce ppm | Pr ppm | Nd ppm | Sm ppm | Gd ppm | Tb ppm | Dy ppm | Ho ppm | Er ppm | Tm ppm | Yb ppm | Lu ppm | Ta ppm | Sr ppm | W ppm | Re ppm | Tl ppm | Pb ppm | Th ppm | U ppm |
|---|---|---

8/9/2018	E886129	509374	Outcrop	3D Felsic Flow									Shear Zone	Intense	230	71	0.227	-91.18272907	52.84350345	Actlabs
8/9/2018	E886131	509374	Outcrop	3D Felsic Flow									Shear Zone	Intense	230	70	0.201	-91.1826947	52.84347342	Actlabs
8/9/2018	E886132	509374	Outcrop	3D Felsic Flow									Shear Zone	Intense	230	70	0.404	-91.18268653	52.84347982	Actlabs
8/9/2018	E886133	509374	Outcrop	3D Felsic Flow									Shear Zone	Intense	230	70	0.119	-91.18263857	52.84344288	Actlabs
8/9/2018	E886134	509374	Outcrop	3D Felsic Flow	Quartz	Planar	230	70					Shear Zone	Intense	230	70	0.384	-91.18286813	52.84339402	Actlabs
8/9/2018	E886135	509374	Sub-Crop	3D Felsic Flow	Quartz	Planar											0.295	-91.18284603	52.8433695	Actlabs
8/10/2018	E886136	506620	Outcrop	2 Mafic Volcanic					Foliation	Moderate	65	85					0.144	-91.01408312	52.88977623	Actlabs
8/10/2018	E886137	506620	Outcrop	2 Mafic Volcanic	Quartz-carbon	Crack-Seal	60	60					Breccia	Weak	60	60	0.157	-91.01390047	52.88980813	Actlabs
8/10/2018	E886138	506620	Outcrop	2 Mafic Volcanic					Foliation	Intense	36	76					0.325	-91.01367317	52.89011112	Actlabs
8/10/2018	E886139	506620	Outcrop	2D Pillowed Flow					Foliation	Intense	250	74					0.318	-91.0202835	52.88923598	Actlabs
8/11/2018	E886141	509084	Outcrop	2 Mafic Volcanic					Foliation	Intense	195	80					0.206	-91.17797443	52.87725015	Actlabs
8/11/2018	E886142	509084	Outcrop	2K Mafic Dike	Carbonate	Crack-Seal	8	85	Foliation	Moderate	110	64	Brittle	Moderate	8	85	0.403	-91.17892298	52.87669477	Actlabs
8/11/2018	E886143	509061	Outcrop	2 Mafic Volcanic					Foliation	Intense	235	75	Brittle	Moderate	6	84	0.378	-91.18180032	52.87623195	Actlabs
8/11/2018	E886144	509061	Outcrop	2 Mafic Volcanic					Foliation	Weak			Brittle	Moderate	40	85	0.371	-91.18207368	52.87594567	Actlabs
8/11/2018	E886145	509061	Outcrop	Quartz Vein	Quartz												0.014	-91.1828072	52.87539703	Actlabs
8/11/2018	E886146	509061	Outcrop	2 Mafic Volcanic													0.127	-91.18399987	52.87599232	Actlabs
8/12/2018	E886147	508916	Outcrop	3A Intermediate Flow					Foliation	Weak			Brittle	Intense	192	78	0.074	-91.12891352	52.88713565	Actlabs
8/12/2018	E886148	508916	Outcrop	8A Diorite													0.504	-91.12894965	52.88714405	Actlabs
8/12/2018	E886149	508916	Outcrop	3A Intermediate Flow									Brittle	Intense	250	70	0.029	-91.1300805	52.88720567	Actlabs
8/12/2018	E886151	886151	Outcrop	7A Gabbro													32	-91.13160553	52.89074048	Actlabs
9/9/2018	E886152	509374	Outcrop	Quartz Vein	Quartz	Planar							Shear Zone	Intense	210	46	0.202	-91.18367175	52.84304085	Actlabs
9/9/2018	E886153	509374	Boulder	Quartz Vein													0.168	-91.18379285	52.8430615	Actlabs
9/9/2018	E886154	509374	Boulder	Quartz Vein													0.682	-91.18354217	52.84313655	Actlabs
9/9/2018	E886155	509374	Sub-Crop	Quartz Vein													0.088	-91.18318518	52.84318902	Actlabs
9/9/2018	E886156	509374	Outcrop	Quartz Vein	Quartz-carbon	Massive	275	46									0.188	-91.18304908	52.84332575	Actlabs
9/12/2018	E886158	509374	Sub-Crop	Quartz Vein	Quartz	Massive	238	62									0.051	-91.18383377	52.84313427	Actlabs
9/12/2018	E886159	509374	Outcrop	6 Metasediment									Shear Zone	Intense	238	62	0.25	-91.18385257	52.8431429	Actlabs
9/12/2018	E886161	509374	Outcrop	Quartz Vein	Quartz	Planar	224	60									0.061	-91.18384375	52.84312633	Actlabs
9/12/2018	E886162	509374	Outcrop	6 Metasediment									Shear Zone	Intense	238	62	0.427	-91.18381868	52.84310192	Actlabs

E886129	0.0025	10	5.3	0.005	11.2	1.63	0.005	6.39	0.1	79	1210	892	5.59	0.2	1260	0.2	0.05	0.05	0.5	0.025	0.025	82.4	0	0.12	0.4	62.7	3.1	418	0.1	1.4
E886131	0.0025	10	4.5	0.01	14.1	1.63	0.005	4.27	0.1	74	847	1010	5.32	0.2	1310	0.1	0.05	0.05	0.5	0.025	0.06	72.3	0	0.01	0.6	39.2	2.9	6	0.3	1.4
E886132	0.0025	10	1.8	0.005	12.7	0.86	0.005	3.28	0.05	0.5	2870	1480	7.29	0.05	998	0.05	0.05	0.05	20	0.025	0.025	67.9	0	0.01	0.5	73.3	1.9	4.3	0.1	0.6
E886133	0.0025	10	8.3	0.005	9.65	1.33	0.005	9	0.05	70	1770	1320	5.6	0.2	907	0.3	0.05	0.1	0.5	0.025	0.05	50	0	0.02	0.3	61.1	2.5	166	0.2	2.6
E886134	0.0025	10	8.1	0.005	13.2	1.62	0.005	5.54	0.05	60	471	1400	5.85	0.3	1270	0.4	0.05	0.1	0.5	0.025	0.025	61.2	0	0.08	0.3	36.3	3	478	0.1	2.7
E886135	0.0025	10	5.8	0.01	11	1.71	0.005	8.74	0.1	74	1200	1160	4.74	0.3	1050	0.4	0.05	0.1	0.5	0.025	0.08	55.9	0	0.05	0.3	30.4	3.5	76.4	0.1	3.1
E886136	0.0025	10	8.4	1.19	6.24	5.21	0.19	8.68	0.2	216	1500	2190	7.67	0.4	515	1.1	0.05	0.4	0.5	0.025	0.34	73	0	0.09	0.2	75.7	9.1	1.6	3.9	8.4
E886137	0.0025	10	13.7	1.15	7.15	4.45	0.12	10.5	0.05	168	1320	1840	6.83	0.5	403	0.9	0.05	0.3	0.5	0.025	0.36	56.7	0	0.01	0.3	63.9	7.7	0.8	4.2	6.9
E886138	0.0025	10	13.2	0.7	8.88	3.99	0.07	8.34	0.05	179	1720	1590	7.33	0.5	523	0.9	0.05	0.3	20	0.025	0.31	68.9	0	0.01	0.3	70	7	1.1	1.3	6.4
E886139	0.0025	10	7.7	0.73	7.03	4.7	0.1	8.65	0.1	182	1370	1280	7.04	0.3	259	1	0.05	0.3	10	0.025	0.26	50.1	0	0.01	0.2	66	7.8	0.7	2.1	6.9
E886141	0.0025	10	16	0.87	3.53	7.83	2.09	7.83	0.05	105	126	1120	5.79	1.7	90.3	1.7	0.4	0.5	0.5	0.08	0.64	25.2	0	0.09	0.3	62	18.7	0.3	62	12.6
E886142	0.0025	10	11.2	0.73	4.84	6.6	0.75	10.7	0.1	129	190	1350	5.08	1.9	88.6	1.1	0.4	0.4	0.5	0.025	0.7	25.9	0	0.09	0.4	66.5	12.3	1.1	31.7	9.4
E886143	0.0025	10	10.1	0.7	4.3	7.63	0.51	11.4	0.1	196	137	1380	6.72	1.9	87.3	1.3	0.8	0.4	0.5	0.06	0.74	28	0	0.59	0.4	92.5	15.1	3.6	18.7	10
E886144	0.0025	10	29.2	0.85	2.96	8.98	1.15	5.88	0.1	186	67	771	5.47	2.4	99.7	1.3	0.6	0.4	0.5	0.13	1.28	30.3	0	0.05	0.2	69.1	20.6	9.2	46.4	9.8
E886145	0.053	10	3.8	0.07	0.49	2.42	0.46	3.33	0.05	81	8	274	1.7	0.05	13.2	0.05	0.05	0.05	20	0.54	0.29	4.8	0	0.72	1.3	17.4	6.4	1.3	18.9	0.7
E886146	0.0025	10	10.2	3	1.67	9.12	0.53	9.34	0.05	106	150	818	4.42	2	170	1.2	0.3	0.4	0.5	0.11	0.12	24.8	0	0.21	0.2	45.4	18	1	10.5	9.4
E886147	0.0025	10	8.2	3	0.29	6.89	0.67	0.88	0.1	6	11	210	1.7	6.4	2.6	2.8	1.3	0.8	60	0.26	0.71	4.1	0	0.08	0.4	30	15.5	1	21.4	21.1
E886148	0.0025	10	33.5	1.9	3.23	8.59	0.93	5.21	0.05	247	26	1620	9.23	1.9	44.8	2.8	0.9	0.9	0.5	0.025	3.92	34.3	0	0.18	0.3	162	19	0.05	42.9	22.2
E886149	0.0025	10	3.3	3	0.09	6.46	0.8	0.44	0.05	6	9	105	1.09	4.9	0.6	2.5	0.7	0.8	0.5	0.12	0.95	1.8	0	0.06	0.5	17.6	13.4	0.5	25.3	21.8
E886151	0.0025	10	12.6	1.94	2.39	6.64	0.32	4.26	0.2	152	8	2070	13.4	1.4	4.2	4.4	0.5	1.3	0.5	0.06	0.61	50.3	0	0.03	0.6	147	19.6	0.05	10.9	33.1
E886152	0.005	10	3.9	0.01	13.9	1.03	0.01	6.01	0.05	45	384	1260	4.62	0.1	905	0.2	0.05	0.05	30	0.025	0.08	47.1	0	0.01	0.05	33.8	1.9	16.1	0.5	2.2
E886153	0.006	130	3.8	0.04	8.59	0.62	0.005	3.91	0.05	18	778	940	3.89	0.05	563	0.2	0.05	0.05	20	0.1	0.12	41.5	0	0.01	0.3	31.5	1.3	346	0.4	1.7
E886154	0.0025	220	4.8	0.2	3.5	2.48	0.005	3.44	0.05	62	748	503	2.38	0.2	208	0.4	0.2	0.1	5	0.025	0.09	14.3	0	0.03	0.05	30.8	4.9	41.8	0.4	3.2
E886155	0.0025	140	1.8	0.08	3.37	0.79	0.01	5.29	0.05	29	218	626	1.68	0.2	122	0.3	0.2	0.2	30	0.025	0.025	4.5	0	0.03	0.05	11.7	1.7	9.5	0.5	3.2
E886156	0.013	10	5.7	0.03	9.82	1	0.005	10.4	0.3	35	497	1830	4.94	0.1	528	0.5	0.1	0.2	30	0.025	0.025	46.9	0	0.08	0.2	34.2	2.1	343	0.3	3.8
E886158	0.0025	30	2.6	0.02	6	0.005	0.005	1.89	0.1	17	287	639	2.72	0.05	216	0.2	0.05	0.05	20	0.19	0.05	15.8	0	0.08	0.05	19.5	0.5	124	0.1	1.1
E886159	0.034	10	9.7	0.01	11.6	1.84	0.005	5.67	0.2	55	1440	1330	5.9	0.2	975	0.3	0.05	0.2	10	4.21	0.1	61.3	0	0.08	0.2	59.2	3.2	255	0.3	3.4
E886161	0.0025	10	5.6	0.04	0.03	0.23	0.08	0.02	0.05	3	11	57	0.5	0.5	2.6	0.2	0.05	0.05	50	0.025	0.2	0.6	0	0.03	0.05	3.8	0.8	0.4	3	1.7
E886162	0.008	10	0.9	0.02	3.16	0.01	0.005	0.91	0.05	10	143	400	1.87	0.05	105	0.05	0.05	0.05	50	0.18	0.025	8.3	0	0.01	0.05	11.7	0.3	37	0.2	0.7

E886129	6	0.1	0.11	0.05	0.5	3.4	0.05	1	0.6	1.2	0.2	0.8	0.05	0.3	0.05	0.3	2	0.05	0.05	0.2	0.05	0.05	122	1.3	0.001	0.025	0.7	0.05	0.05
E886131	6	0.1	1.04	0.05	0.5	3.1	0.05	2	0.5	1.3	0.2	0.8	0.3	0.3	0.05	0.3	17.9	0.05	0.05	0.2	0.05	0.05	84	1	0.003	0.025	0.25	0.05	0.05
E886132	3	0.05	0.17	0.05	0.5	3.4	0.1	1	0.2	0.5	0.05	0.3	0.1	0.1	0.05	0.05	26.3	0.05	0.05	0.05	0.05	0.05	61.7	2	0.0005	0.025	0.25	0.05	0.05
E886133	6	0.1	0.12	0.05	0.5	1.9	0.05	2	0.8	2.3	0.4	1.7	0.2	0.5	0.05	0.6	4.2	0.05	0.05	0.3	0.05	0.05	250	1.2	0.002	0.025	1	0.05	0.05
E886134	12	0.3	0.15	0.05	0.5	2.8	0.05	1	1.8	4.1	0.5	2.5	0.4	0.6	0.05	0.6	3	0.05	0.05	0.4	0.05	0.05	138	0.4	0.0005	0.025	0.25	0.3	0.05
E886135	8	0.2	0.16	0.05	0.5	0.9	0.05	2	2.6	5.2	0.7	2.8	0.6	0.7	0.1	0.7	7.8	0.05	0.05	0.3	0.05	0.05	213	0.3	0.0005	0.025	1.3	0.2	0.05
E886136	6	0.9	0.17	0.05	0.5	0.1	0.05	57	1.2	3.5	0.6	3.2	0.8	1.3	0.2	1.8	20	0.05	0.2	1.1	0.1	0.05	130	0.3	0.0005	0.07	2.9	0.05	0.05
E886137	10	0.8	0.11	0.05	0.5	0.05	0.05	56	0.8	2.3	0.4	2.2	1	1.2	0.2	1.3	24.2	0.05	0.1	0.9	0.1	0.05	97.6	0.1	0.0005	0.025	0.8	0.05	0.05
E886138	11	0.7	0.16	0.05	0.5	0.05	0.05	16	0.5	1.8	0.3	2.1	0.6	0.9	0.2	1.4	3.1	0.3	0.1	0.8	0.05	0.05	52.8	0.2	0.0005	0.025	0.5	0.05	0.05
E886139	4	0.4	0.12	0.05	0.5	0.1	0.05	21	1	2.9	0.4	2.4	0.6	0.9	0.2	1.3	40.7	0.7	0.1	0.9	0.1	0.05	115	0.05	0.0005	0.025	0.5	0.05	0.05
E886141	59	0.05	0.07	0.05	0.5	0.05	0.05	2880	18.2	32.3	3.7	14.6	2.8	2.6	0.4	2.4	50.9	0.1	0.2	1.5	0.2	0.05	224	0.05	0.0005	0.29	4.3	3	0.7
E886142	65	0.5	0.11	0.05	0.5	0.4	0.05	316	10.5	22.1	2.7	10.7	1.7	2	0.3	2	11.4	0.3	0.2	1.1	0.1	0.05	192	0.05	0.0005	0.19	4	3	0.6
E886143	63	1.4	0.84	0.05	1	0.4	0.05	203	15.9	30	3.5	14	2.5	2.5	0.3	2.2	10.1	0.3	0.2	1.2	0.2	0.05	358	0.4	0.0005	0.1	9.7	2.9	0.7
E886144	85	1.6	0.36	0.05	0.5	0.3	0.05	1690	12.1	24.5	3	11.6	2.1	2.1	0.3	2	66.6	0.3	0.2	1.2	0.2	0.05	166	0.2	0.0005	0.33	5.4	3.6	0.9
E886145	1	0.05	0.42	0.05	0.5	0.3	0.1	186	2.4	4	0.4	1.7	0.2	0.2	0.05	0.1	1570	0.05	0.05	0.05	0.05	0.05	71.3	0.2	0.0005	0.08	3.5	0.05	0.05
E886146	66	0.5	0.43	0.05	0.5	0.2	0.05	828	12.7	24.7	3	10.8	2.3	2	0.3	1.9	55.5	0.3	0.2	1.2	0.2	0.05	259	0.2	0.0005	0.06	8.3	4.5	1.1
E886147	199	6.6	0.72	0.05	1	0.6	0.05	349	29.6	56.5	6.5	22.4	3.8	3.9	0.6	3.9	153	0.2	0.4	2.7	0.4	0.6	55.8	0.2	0.0005	0.17	7.8	13.1	3
E886148	58	0.3	0.13	0.05	0.5	0.2	0.05	202	5.8	11.8	1.7	8.6	2.1	3.4	0.6	4.3	9.5	0.2	0.4	2.6	0.3	0.05	131	0.1	0.0005	0.51	9.5	0.4	0.1
E886149	121	8.8	1.23	0.05	0.5	0.2	0.05	418	33	60.2	6.7	22.3	4.1	3.9	0.6	3.8	16.7	0.05	0.4	2.8	0.4	1.1	50.1	0.7	0.001	0.15	10.7	19.7	5
E886151	42	0.05	0.15	0.05	0.5	0.1	0.05	76	5.5	14.4	2.4	12.1	3.6	5	0.9	6.4	62.8	0.2	0.6	4	0.6	0.05	123	0.05	0.006	0.025	7.3	0.6	0.1
E886152	4	0.05	0.26	0.05	0.5	1.5	0.05	8	0.7	1.7	0.2	1.1	0.2	0.3	0.05	0.4	64.5	0.05	0.05	0.2	0.05	0.05	127	0.2	0.0005	0.025	2.6	0.1	0.05
E886153	2	0.05	0.29	0.05	0.5	2.1	0.05	9	0.4	0.9	0.1	0.6	0.1	0.2	0.05	0.3	15.5	0.05	0.05	0.2	0.05	0.05	89.2	0.2	0.0005	0.025	6.3	0.05	0.05
E886154	10	0.05	0.43	0.05	0.5	1.7	0.05	3	1.5	3.7	0.5	2.3	1	0.9	0.1	0.8	4.1	0.05	0.05	0.4	0.05	0.05	159	6.8	0.0005	0.07	1.8	0.4	0.2
E886155	7	0.05	0.24	0.05	0.5	1.5	0.05	9	0.9	2.7	0.4	1.9	0.9	0.6	0.05	0.7	3.4	0.2	0.05	0.3	0.05	0.05	201	1.2	0.0005	0.025	1.9	0.2	0.1
E886156	5	0.05	0.31	0.05	0.5	2.7	0.05	4	1.3	3.2	0.4	2.1	0.6	0.8	0.1	0.7	7.1	0.05	0.05	0.4	0.05	0.05	375	1.7	0.0005	0.025	2.4	0.1	0.05
E886158	0.5	0.05	0.33	0.05	0.5	1.2	0.05	3	0.2	0.6	0.05	0.4	0.1	0.3	0.05	0.2	8.8	0.05	0.05	0.2	0.05	0.05	65.7	0.2	0.0005	0.025	6.7	0.05	0.05
E886159	7	0.05	0.19	0.05	0.5	14.8	0.05	11	1.4	2.7	0.4	2.2	0.3	0.6	0.1	0.6	110	0.05	0.05	0.4	0.05	0.05	163	0.3	0.0005	0.025	3	0.2	0.05
E886161	17	0.05	0.36	0.05	0.5	0.2	0.05	31	2	3.7	0.4	1.7	0.3	0.3	0.05	0.2	5.6	0.05	0.05	0.2	0.05	0.05	3.5	0.05	0.0005	0.15	2.1	1	0.4
E886162	0.5	0.05	0.19	0.05	0.5	0.5	0.05	7	0.2	0.5	0.05	0.3	0.05	0.05	0.05	0.1	16.6	0.05	0.05	0.05	0.05	0.05	32.3	0.05	0.0005	0.025	3.7	0.05	0.05

2018 NCGB Claim Group Biogeochemical Orientation Survey Samples

UTM Nad 1983 Zone 15N

Sample ID	UTM E	UTM N	SampleType	Ash Weight (g)	Au AssayMethod	Certificate	Au ppmL	Ag ppmL	Al pctL	As ppmL	B ppmL	Ba ppmL	Be ppmL	Bi ppmL	Ca pctL	Cd ppmL	Ce ppmL	Co ppmL	Cr ppmL
E885651L	649292.1	5866832.4	Biogeochem	2.8	ME-VEG41a	VA18178522	0.05	0.22	0.56	5.4	1954.4	2814	0.14	0.17	54.04	0.93	5.02	3.43	11.62
E885651T	649292.1	5866832.4	Biogeochem	1.2	ME-VEG41a	VA18178522	0.01	0.18	0.31	4.08	745.2	501.6	0.08	0.13	23.16	0.57	4.9	2.83	6.78
E885652L	649298.5	5866866.4	Biogeochem	2.5	ME-VEG41a	VA18178522	0.02	0.17	0.47	4.8	2025	1210	0.1	0.16	45.87	0.74	4.51	4.18	8.85
E885652T	649298.5	5866866.4	Biogeochem	1.4	ME-VEG41a	VA18178522	0.01	0.18	0.3	2.6	954.8	515.2	0.08	0.11	26.04	0.69	4.29	3.71	4.99
E885653L	649307.7	5866898.6	Biogeochem	3	ME-VEG41a	VA18178522	0.02	0.39	0.78	6.42	1782	780	0.15	0.19	62.4	1.14	7.05	3.31	12.87
E885653T	649307.7	5866898.6	Biogeochem	1.5	ME-VEG41a	VA18178522	0.01	0.24	0.43	3.21	915	565.5	0.12	0.14	34.05	0.85	6.16	2.81	8.43
E885654L	649318	5866943.4	Biogeochem	3.8	ME-VEG41a	VA18178522	0.05	0.45	0.95	10.64	1512.4	1204.6	0.22	0.3	69.16	2.23	13.41	9.19	20.97
E885654T	649318	5866943.4	Biogeochem	1.3	ME-VEG41a	VA18178522	0.01	0.25	0.36	3.64	770.9	380.9	0.13	0.13	21.71	1.89	12.29	8.56	7.76
E885655L	649321.5	5866972	Biogeochem	3.2	ME-VEG41a	VA18178522	0.01	0.25	0.8	12.06	1849.6	1296	0.09	0.19	61.6	1.3	6.59	4.11	10.65
E885655T	649321.5	5866972	Biogeochem	1	ME-VEG41a	VA18178522	0.0072	0.14	0.26	1.68	540	341	0.07	0.07	17.15	0.61	3.37	1.94	3.46
E885656L	649336.3	5867016.1	Biogeochem	4	ME-VEG41a	VA18178522	0.06	0.42	0.8	10.84	2024	1048	0.24	0.28	65.2	1.8	7.78	4.78	16.24
E885656T	649336.3	5867016.1	Biogeochem	1.3	ME-VEG41a	VA18178522	0.02	0.18	0.33	1.84	711.1	435.5	0.09	0.08	19.82	1.19	4.01	2.82	4.86
E885657L	649331.8	5867054.5	Biogeochem	3.9	ME-VEG41a	VA18178522	0.01	0.27	0.93	4.05	2172.3	1173.9	0.11	0.18	78.39	1.04	6.02	3.78	12.9
E885657T	649331.8	5867054.5	Biogeochem	1.5	ME-VEG41a	VA18178522	0.0069	0.2	0.46	2.56	675	423	0.07	0.09	26.25	1.26	4.81	3.09	7.8
E885658L	649339.7	5867096.5	Biogeochem	3	ME-VEG41a	VA18178522	0.03	0.27	0.69	6.84	1680	765	0.15	0.21	56.85	1.29	8.31	4.93	10.59
E885658T	649339.7	5867096.5	Biogeochem	1.3	ME-VEG41a	VA18178522	0.01	0.27	0.4	2.37	646.1	416	0.1	0.11	25.22	0.87	5.38	2.7	5.35
E885659L	649349.5	5867123.6	Biogeochem	3.4	ME-VEG41a	VA18178522	0.04	0.31	0.98	10.37	1829.2	1033.6	0.2	0.31	66.64	1.41	10.13	11.11	13.94
E885659T	649349.5	5867123.6	Biogeochem	1.2	ME-VEG41a	VA18178522	0.00576	0.3	0.36	1.89	706.8	507.6	0.08	0.1	22.38	1.52	6.5	3.27	5.13
E885660L	649361.9	5867156.7	Biogeochem	2.9	ME-VEG41a	VA18178522	0.02	0.34	0.49	6.69	1557.3	797.5	0.14	0.29	57.85	4.55	7.71	6.26	16.64
E885660T	649361.9	5867156.7	Biogeochem	1.2	ME-VEG41a	VA18178522	0.00768	0.13	0.4	4.14	824.4	428.4	0.12	0.11	24.24	1.11	5.67	10.18	4.6
E885661L	649367.3	5867195.9	Biogeochem	3.4	ME-VEG41a	VA18178522	0.03	0.27	0.54	5.64	1999.2	877.2	0.1	0.2	58.14	2.68	6.4	5.1	10.43
E885661T	649367.3	5867195.9	Biogeochem	1	ME-VEG41a	VA18178522	0.0063	0.15	0.28	2.43	718	252	0.09	0.13	20.3	3.29	5.09	5.16	4.82
E885662L	649383	5867278.9	Biogeochem	3.1	ME-VEG41a	VA18178522	0.01	0.16	0.37	4.12	2436.6	806	0.09	0.17	50.06	2.62	5.59	3.13	8.71
E885662T	649383	5867278.9	Biogeochem	1.4	ME-VEG41a	VA18178522	0.00812	0.22	0.32	1.93	866.6	331.8	0.09	0.09	23.38	2	5.11	4.06	4.97
E885663L	649510.5	5867419.6	Biogeochem	3.7	ME-VEG41a	VA18178522	0.11	0.18	0.51	5.47	2952.6	932.4	0.18	0.21	59.38	6.3	7.21	6.38	18.13
E885663T	649510.5	5867419.6	Biogeochem	1.2	ME-VEG41a	VA18178522	0.02	0.11	0.3	1.69	901.2	352.8	0.1	0.1	24.84	1.87	4.98	3.38	3.97
E885664L	649515.5	5867391.2	Biogeochem	3.3	ME-VEG41a	VA18178522	0.01	0.2	0.56	6.73	2227.5	1155	0.16	0.18	62.86	2.09	7.72	5.26	11.08
E885664T	649515.5	5867391.2	Biogeochem	1.1	ME-VEG41a	VA18178522	0.01	0.09	0.2	1.71	820.6	290.4	0.09	0.08	21.56	2.72	3.7	2.32	3.22
E885665L	649506.1	5867358.8	Biogeochem	3.2	ME-VEG41a	VA18178522	0.02	0.31	0.7	8.32	1820.8	928	0.12	0.21	59.36	1.37	6.78	3.68	10.04
E885665T	649506.1	5867358.8	Biogeochem	1.1	ME-VEG41a	VA18178522	0.01	0.16	0.3	5.25	763.4	275	0.09	0.12	22.99	6.69	5.31	4.53	6.01
E885666L	649496.2	5867332.7	Biogeochem	3.1	ME-VEG41a	VA18178522	0.00992	0.13	0.52	3.81	1596.5	1026.1	0.09	0.14	59.67	0.56	4.94	3.82	9.05
E885666T	649496.2	5867332.7	Biogeochem	1.5	ME-VEG41a	VA18178522	0.00555	0.15	0.33	1.98	807	447	0.09	0.09	27.97	0.99	4.23	3.46	6.3
E885667L	649491.3	5867288.6	Biogeochem	3.2	ME-VEG41a	VA18178522	0.03	0.27	0.76	5.44	1872	956.8	0.19	0.22	56.32	1.59	7.61	4.6	9.08
E885667T	649491.3	5867288.6	Biogeochem	1.2	ME-VEG41a	VA18178522	0.0042	0.21	0.34	1.99	782.4	355.2	0.08	0.09	20.16	1.24	3.63	3.4	4.39
E885668L	649477.1	5867254.2	Biogeochem	2.8	ME-VEG41a	VA18178522	0.01	0.14	0.56	3.3	1346.8	929.6	0.08	0.14	51.38	0.6	4.25	2.08	7.33
E885668T	649477.1	5867254.2	Biogeochem	1.2	ME-VEG41a	VA18178522	0.01	0.23	0.33	1.87	679.2	481.2	0.08	0.09	23.34	0.87	3.93	2.06	4.33
E885669L	649474.1	5867223.5	Biogeochem	2.8	ME-VEG41a	VA18178522	0.02	0.17	0.58	3.02	1302	800.8	0.05	0.16	46.76	0.7	4.41	2.03	9.85
E885669T	649474.1	5867223.5	Biogeochem	1.1	ME-VEG41a	VA18178522	0.00572	0.2	0.3	1.57	600.6	380.6	0.04	0.07	17.49	0.87	2.79	1.67	4.26
E885670L	649453.3	5867158.6	Biogeochem	3.3	ME-VEG41a	VA18178522	0.01	0.16	0.92	3.92	1669.8	1098.9	0.13	0.15	65.67	0.74	5.41	3.2	11.18
E885670T	649453.3	5867158.6	Biogeochem	1	ME-VEG41a	VA18178522	0.0081	0.27	0.47	2.43	635	346	0.16	0.13	17.35	1.51	6.85	3.4	5.89
E885671L	649451.9	5867113.7	Biogeochem	3.7	ME-VEG41a	VA18178522	0.01	0.08	0.66	2.55	1757.5	1476.3	0.07	0.09	69.74	0.51	3.36	2.71	5.14
E885671T	649451.9	5867113.7	Biogeochem	1.1	ME-VEG41a	VA18178522	0.01	0.14	0.3	2.12	558.8	491.7	0.09	0.08	20.84	0.96	4.35	2.67	4.64
E885672L	649432.8	5867034.5	Biogeochem	3.3	ME-VEG41a	VA18178522	0.00561	0.14	0.82	3.03	1316.7	1475.1	0.09	0.12	58.57	1.03	5.47	3.87	6.17
E885672T	649432.8	5867034.5	Biogeochem	1.3	ME-VEG41a	VA18178522	0.00533	0.13	0.29	1.69	687.7	595.4	0.07	0.07	23.01	0.9	3.7	3.21	4.09
E885673L	649427	5867001.9	Biogeochem	3.6	ME-VEG41a	VA18178522	0.04	0.14	0.72	3.38	1353.6	1234.8	0.1	0.12	67.32	0.73	3.67	2.8	5.58
E885673T	649427	5867001.9	Biogeochem	1.2	ME-VEG41a	VA18178522	0.00312	0.15	0.25	1.23	609.6	726	0.08	0.06	21.24	0.78	2.55	2.05	2.74
E885674L	649418.1	5866963.4	Biogeochem	2.8	ME-VEG41a	VA18178522	0.01	0.08	0.5	2.4	1540	786.8	0.05	0.08	47.04	0.36	2.56	1.9	3.97
E885674T	649418.1	5866963.4	Biogeochem	1.1	ME-VEG41a	VA18178522	0.00396	0.11	0.18	1.33	562.1	627	0.05	0.04	16.22	0.62	1.82	1.62	3.01
E885675L	649413.8	5866928.9	Biogeochem	3.5	ME-VEG41a	VA18178522	0.00735	0.16	0.87	3.88	2047.5	2807	0.1	0.15	69.12	1.1	5.61	3.12	11.2
E885675T	649413.8	5866928.9	Biogeochem	1.3	ME-VEG41a	VA18178522	0.00507	0.13	0.31	1.32	729.3	505.7	0.09	0.08	23.2	1.04	3.19	2.25	3.79
E885676	649217.4	5865947.2	Biogeochem	1.2	ME-VEG41a	VA18200592	0.00768	0.13	0.33	1.96	600	608.4	0.08	0.08	23.64	1.38	5.14	6.5	5.36
E885677	649219.2	5865979.7	Biogeochem	1.4	ME-VEG41a	VA18200592	0.00798	0.23	0.33	2.39	761.6	502.6	0.09	0.09	27.58	0.98	3.82	5.67	6.38
E885678	649237.7	5866074.9	Biogeochem	1.1	ME-VEG41a	VA18200592	0.01	0.16	0.42	1.94	778.8	397.1	0.09	0.11	24.31	0.85	5.03	9.86	7.1
E885679	649245.4	5866135.1	Biogeochem	1.3	ME-VEG41a	VA18200592	0.00871	0.18	0.37	2.62	834.6	413.4	0.1	0.1	29.51	1.43	4.68	12.09	12.05
E885680	649258.2	5866150.7	Biogeochem	1.8	ME-VEG41a	VA18200592	0.01	0.18	0.28	3.36	914.4	563.4	0.09	0.14	37.8	1.4	3.46	2.45	7.18
E885681	649259.9	5866192.1	Biogeochem	1.3	ME-VEG41a	VA18200592	0.01	0.13	0.36	2.22	863.2	421.2	0.1	0.1	28.21	0.91	4.48	24.89	7.8
E885682	649271.2	5866219.3	Biogeochem	1.3	ME-VEG41a	VA18200592	0.00598	0.16	0.26	2.28	696.8	475.8	0.05	0.07	26.78	0.82	3.22	9.45	4.39
E885683	649267.7	5866249.1	Biogeochem	1.1	ME-VEG41a	VA18200592	0.00418	0.14	0.25	1.71	700.7	268.4	0.07	0.09	21.5	8.93	3.9	12.81	6.01
E885684	649703.3	5866727	Biogeochem	1.6	ME-VEG41a	VA18200592	0.00544	0.1	0.16	2.36	892.8	608	0.03	0.05	33.92	0.64	2.79	1.12	4.12
E885685	649709	5866762.2	Biogeochem	1.6	ME-VEG41a	VA18200592	0.0048	0.09	0.3	1.77	1104	852.8	0.12	0.1	35.04	0.99	5.16	1.8	6.16
E885686	649719	5866789.3	Biogeochem	1.3	ME-VEG41a	VA18200592	0.00377	0.14	0.4	1.88	850.2	529.1	0.1	0.13	24.76	0.76	5.62	2.11	5.35
E885687	649723.4	5866815.2	Biogeochem	1.4	ME-VEG41a	VA18200592	0.00952	0.1	0.23	1.45	791	534.8	0.09	0.08	28.84	0.93	3.93	1.72	4.11
E885688	649731.5	5866849.2	Biogeochem	1.5	ME-VEG41a	VA18200592	0.0033	0.1	0.18	1.51	828	531	0.04	0.07	28.57	0.74	2.91	1.08	4.11
E885689	649742.1	5866881.5	Biogeochem	1.1	ME-VEG41a	VA18200592	0.00814	0.1	0.18	2.47	790.9	309.1	0.07	0.14	22.66	7.44	3.83	3.28	161.7
E885690	649743.6	5866909.6	Biogeochem	1.1	ME-VEG41a	VA18200592	0.00682	0.12	0.18	1.84	773.3	290.4	0.05	0.09	21.5	2.73	3.79	2.54	4.05
E885691	649746.4	5866940.3	Biogeochem	1	ME-VEG41a	VA18200592	0.0073	0.13	0.25	1.56	643	288	0.04	0.18	19.05	1.26	3.5	5.37	134.5
E885692	649749.8	5866974.7	Biogeochem	1.4	ME-VEG41a	VA18200592	0.00868	0.2	0.37	3.01	739.2	572.6	0.08	0.12	21.91	1.37	4.78	4.21	6.95
E885693	649759.3	5867007.8	Biogeochem	1.5	ME-VEG41a	VA18200592	0.006	0.26	0.21	1.89	846	349.5	0.09	0.17	37.2	16.2	3.81	3.07	5.68
E885694	649767.4	5867055.8	Biogeochem	1	ME-VEG41a	VA18200592	0.0089	0.1	0.23	1.84	700	302	0.05	0.09	20.9	1.53	3.33	1.89	4.26
E885695	649766.1	5867079.2	Biogeochem	0.9	ME-VEG41a	VA18200592	0.01	0.12	0.27	2.12	687.6	352.8	0.05	0.08	18.36	0.64	3.52	6.03	3.45
E885696	649775.1	5867107.9	Biogeochem	1.3	ME-VEG41a	VA18200592	0.00494	0.18	0.33	1.78	776.1	383.5	0.07	0.15	26.65	1.61	4.25	6.96	5.86
E885697	649789	5867142.7	Biogeochem	1.1	ME-VEG41a	VA18200592	0.00957	0.08	0.39	1.57	688.6	355.3	0.12	0.1	20.24	1.07	4.33	9.25	3.98
E885698	649788.8	5867181.7	Biogeochem	1.5	ME-VEG41a	VA18200592	0.01	0.3	0.7	2.31	694.5	502.5	0.12	0.13	30	2.84	5.98	3.55	5.25
E885699	649794.4	5867211.9	Biogeochem	1.4	ME-VEG41a	VA18200592	0.0091	0.16	0.33	1.89	697.2	546	0.05	0.12	22.26	0.85	4.14	2.65	4.18
E885700	649802.6	5867242.6	Biogeochem	1.3	ME-VEG41a	VA18200592	0.04	0.15	0.35	2.34	639.6	664.3	0.06	0.14	25.54	0.97	4.08	2.09	219.7
E885704	649096	5865919.2	Biogeochem	1.1	ME-VEG41a	VA18200592	0.02	0.16	0.15	3.77	667.7	299.2	0.05	0.08	21.12	2.64	2.36	3.58	6.25
E885705	649112.8	5865981.2	Biogeochem	1.7	ME-VEG41a	VA18200592	0.00986	0.23	0.23	2.99	943.5	528.7	0.06	0.1	39.1	19.46	3.85	12.44	7.29
E885706	649153	5866132.9	Biogeochem	1.4	ME-VEG41a	VA18200592	0.03	0.2	0.37	3.79	756	502.6	0.12	0.15	30.52	1.45	5.37	10.9	9.73
E885707	649156	5866162.3	Biogeochem	1.2	ME-VEG41a	VA18200592	0.02	0.15	0.18	3.7	673.2	404.4	0.07	0.12	24.96	3.46	3.21	4.45	7.1
E885708	649161.3	5866190.5	Biogeochem	1.2	ME-VEG41a	VA18200592	0.00744	0.14	0.25	2.35	770.4	444	0.07	0.08	22.56	2.01	3.94	2.08	4.98
E885709	649164.6	5866219.9	Biogeochem	1.1	ME-VEG41a	VA18200592	0.00803	0.07	0.28	2.78	767.8	348.7	0.06	0.1	21.12	1.35	4.19	2.19	4.88
E885710	649173.2	5866244.4	Biogeochem	1	ME-VEG41a	VA18200592	0.01	0.08	0.16	2.5	631	299	0.05	0.06	17.6	0.91	2.54	1.82	4.06
E885711	649179.1	5866274.4	Biogeochem	0.9	ME-VEG41a	VA18200592	0.00774	0.08	0.25	2.33	600.3	233.1	0.07	0.08	17.59	1.83	4.23	2.61	3.75
E885712	649181	5866316.7	Biogeochem	1.9	ME-VEG41a	VA18200592	0.02	0.98	0.19	3.91	788.5	1126.7	0.07	0.09	52.06	8.75	3.95	4.08	4.29
E885713	649187.3	5866345.4	Biogeochem	1.5	ME-VEG41a	VA18200592	0.0066	0.21	0.28	5.86	811.5	432	0.12	0.27	37.35	12.94	6.49	4.92	4.96
E885714	649202.5	5866374	Biogeochem	1.2	ME-VEG41a	VA18200592	0.01	0.1	0.19	3.73	717.6	412.8	0.06	0.1	20.04	1.65	3.39	4.92	4.52
E885715	649203.5	5866411.6	Biogeochem	1.3	ME-VEG41a	VA18200592	0.02	0.12	0.27	2.35	778.7	447.2	0.06	0.1	26.91	2.08	3.39	2.37	6.69
E885716	649217.2	5866440.9	Biogeochem	1.4	ME-VEG41a	VA18200592	0.01	0.14	0.3	4.18	1026.2	540.4	0.09	0.13	29.4	1.47	5.46	2.07	4.66
E885717	649222.3	5866475.4	Biogeochem	1.1	ME-VEG41a	VA18200592	0.00572	0.09	0.22	1.94	702.9	251.9	0.07	0.06	16.61	1.77	3.32	7.34	3.31
E885718	649230.8	5866503.8	Biogeochem	0.9	ME-VEG41a	VA18200592	0.00648	0.15	0.23	2.12	515.7	236.7	0.06	0.07	13.18	1.45	3.07	6.07	3.23
E885719	649232.5	5866542.3	Biogeochem	1.1	ME-VEG41a	VA18200592	0.00528	0.22	0.42	1.84	674.3	310.2	0.07	0.1	19.3	1.25	4.87	1.43	3.74
E885720	649244.5	5866574.8	Biogeochem	0.7	ME-VEG41a	VA18200592	0.00287	0.09	0.18	1.28	428.4	240.8	0.03	0.05	12.81	0.63	2.51	0.83	1.98
E885721	649249.4	5866607	Biogeochem	0.8	ME-VEG41a	VA18200592	0.006	0.1	0.24	1.44	516.8	229.6	0.05	0.07	16.24	0.6	3.76	1.5	2.63
E885722	649253.1	5866640.3	Biogeochem	1	ME-VEG41a	VA18200592	0.0072	0.08	0.33	2.12	638	359	0.06	0.08	19	0.64	3.97	1.15	2.97
E885723	649259.1	5866669.3	Biogeochem	0.9	ME-VEG41a	VA18200592	0.04	0.25	0.45	2.06	551.7	379.8	0.07	0.11	16.02	1.08	4.39	1.22	4.37
E885724	649266.8	5866701.1	Biogeochem	1.2	ME-VEG41a	VA18200592	0.009	0.18	0.37	2.41	710.4	518.4	0.1	0.1	24.84	1	5.25	2.35	3.87
E885725	649272.6	5866735.8	Biogeochem	1.3	ME-VEG41a	VA18200592	0.00429	0.3	0.28	2.02	731.9	494	0.11	0.1	25.93	1.48	5.3	1.56	3.74
E885726	649275.9	5866765.8	Biogeochem	1.2	ME-VEG41a	VA18200592	0.00936	0.17	0.24	2.04	746.4	396	0.08	0.08	21.3	1.3	3.31	3.74	3.34
E885727	649288.2	5866798	Biogeochem	0.9	ME-VEG41a	VA18200592	0.0045	0.14	0.27	1.89	549.9	410.4	0.08	0.09	16.2	0.71	4.44	1.04	3.21
E885728	649406.7	5866913.4	Biogeochem	1.2	ME-VEG41a	VA18200592	0.00792	0.14	0.21	1.08	542.4	508.8	0.03	0.05	19.8	0.71	2.23	1.29	2.36
E885729	649399.4	5866879.6	Biogeochem	1.3	ME-VEG41a	VA18200592	0.00533	0.17	0.27	3.78	670.8	379.6	0.07	0.08	20.93	1.66	3.52	6.33	3.23
E885730	649391.6	5866844	Biogeochem	1.3	ME-VEG41a	VA18200592	0.00923	0.34	0.37	2.34	780	358.8	0.13	0.1	24.24	1.98	4.81	5.49	4.27
E885731	649380.8	5866806.2	Biogeochem	1.2	ME-VEG41a	VA18200592	0.00444	0.15	0.34	2.28	810	422.4	0.07	0.1	25.92	1.33	4.71	1.5	4.2
E885732	649380.9	5866771.5	Biogeochem	1.2	ME-VEG41a	VA18200592	0.0048	0.12	0.24	1.76	848.4	538.8	0.07	0.08	23.22	0.78	4.16	1.41	3.42
E885733	649371	5866741.6	Biogeochem	1.6	ME-VEG41a	VA18200592	0.00432	0.18	0.22	2.6	939.2	552	0.06	0.08	27.12	0.98	3.16	1.27	3.04
E885734	649364	5866710.1	Biogeochem	1.2	ME-VEG41a	VA18200592	0.00552	0.17	0.31	2	748.8	430.8	0.09	0.1	21.6	0.82	4.87	1.75	3.99
E885735	649358.1	5866659	Biogeochem	1.6	ME-VEG41a	VA18200592	0.00544	0.1	0.35	2.06	875.2	800	0.09	0.09	30.08	0.71	4.78	1.46	4.11
E885736	649348.5	5866632.9	Biogeochem	1.2	ME-VEG41a	VA18200592	0.0048	0.11	0.31	2.22	674.4	585.6	0.09	0.09	22.8	0.63	4.46	1.27	3.13
E885737	649342	5866605.4	Biogeochem	1.7	ME-VEG41a	VA18200592	0.02	0.16	0.44	2.51	1031.9	793.9	0.1	0.16	33.32	0.9	6.17	2.09	5.71
E885738	649334.2	5866565	Biogeochem	1.5	ME-VEG41a	VA18200592	0.00375	0.11	0.43	2.4	928.5	547.5	0.07	0.12	30.6	0.78	5.14	2.82	6.25
E885739	649327.8	5866530.5	Biogeochem	1.6	ME-VEG41a	VA18200592	0.01	0.16	0.36	2.41	828.8	644.8	0.12	0.14	32.8	0.74	5.28	2.62	4.86
E885740	649325.6	5866499.4	Biogeochem	1	ME-VEG41a	VA18200592	0.0043	0.15	0.36	2.25	735	257	0.11	0.11	20.2	1.17	4.85	24.9	4.62
E885741	649314.3	5866470.6	Biogeochem	0.9	ME-VEG41a	VA18200592	0.00765	0.12	0.27	2.11	692.1	245.7	0.09	0.1	17.82	1.87	4.9	3.75	4.56
E885742	649308.8	5866439.7	Biogeochem	1.3	ME-VEG41a	VA18200592	0.00507	0.13	0.2	2.49	750.1	562.9	0.06	0.1	24.63	0.65	3.52	1.43	4.29
E885743	649299.8	5866412.3	Biogeochem	1.3	ME-VEG41a	VA18200592	0.00286	0.1	0.19	2.1	751.4	418.6	0.06	0.09	29.25	2.62	3.8	2.27	4.29
E885744	649300.8	5866371.4	Biogeochem	1.2	ME-VEG41a	VA18200592	0.0042	0.13	0.24	4.66	813.6	354	0.09	0.3	24.24	1.22	4.87	3.87	4.88
E885745	649291.9	5866341	Biogeochem	1.3	ME-VEG41a	VA18200592	0.00299	0.13	0.26	1.78	821.6	455	0.09	0.1	29.12	1.09	4.42	1.96	4.47
E885748	649192.7	5865812.5	Biogeochem	1.5	ME-VEG41a	VA18200592	0.01	0.39	0.3	1.74	792	768	0.06	0.09	28.12	0.86	5.01	3.21	5.73
E885749	649199.1	5865839.3	Biogeochem	1.1	ME-VEG41a	VA18200592	0.02	0.2	0.26	2.29	664.4	334.4	0.07	0.08	23.1	0.71	4.37	4.91	4
E885750	649198.3	5865881.4	Biogeochem	1.3	ME-VEG41a	VA18200592	0.00975	0.37	0.26	4.32	752.7	440.7	0.1	0.11	32.37	3.88	5.21	6.94	6.11
E885801	649804	5867277.3	Biogeochem	1.3	ME-VEG41a	VA18200592	0.01	0.17	0.29	2.28	659.1	754	0.03	0.08	23.4	0.87	3.31	2.15	3.12
E885802	649809.3	5867336.8	Biogeochem	0.9	ME-VEG41a	VA18200592	0.00342	0.09	0.27	1.53	572.4	451.8	0.03	0.08	15.48	0.78	2.57	2.61	2.27
E885803	649816.2	5867363.7	Biogeochem	1.1	ME-VEG41a	VA18200592	0.0088	0.11	0.29	1.84	583	355.3	0.07	0.08	19.3	1.11	6.4	5.73	2.7
E885804	649827.3	5867402.3	Biogeochem	1	ME-VEG41a	VA18200592	0.0044	0.18	0.34	1.83	690	344	0.09	0.08	20.8	0.85	4.05	6.41	3.17
E885805	649839.6	5867438.8	Biogeochem	1.4	ME-VEG41a	VA18200592	0.00238	0.21	0.23	2.1	642.6	638.4	0.04	0.06	26.32	1.64	2.54	2.75	3.1
E885806	649835.3	5867472.8	Biogeochem	1.2	ME-VEG41a	VA18200592	0.00516	0.16	0.32	2.5	634.8	768	0.08	0.09	20.1	1.05	4.29	1.98	4.23
E885807	649847.1	5867507	Biogeochem	1.1	ME-VEG41a	VA18200592	0.00341	0.25	0.31	2.81	545.6	471.9	0.11	0.1	18.92	0.95	4.4	3.06	3.8
E885808	649852.7	5867536.6	Biogeochem	1	ME-VEG41a	VA18200592	0.0051	0.25	0.41	2.69	624	284	0.13	0.12	18.15	2.52	4.19	8.48	4.82
E885809	649858.3	5867563.3	Biogeochem	1.1	ME-VEG41a	VA18200592	0.0033	0.12	0.34	2.25	705.1	404.8	0.12	0.12	21.39	0.94	5.3	6.34	4.46
E885810	649867.2	5867598.4	Biogeochem	0.9	ME-VEG41a	VA18200592	0.00342	0.25	0.27	0.97	587.7	297.9	0.07	0.1	15.25	1	4.37	2.79	3.01
E885811	649872.9	5867641.7	Biogeochem	1.4	ME-VEG41a	VA18200592	0.01	0.2	0.28	2.39	768.6	474.6	0.12	0.12	28.56	7.43	5.18	7.61	4.59
E885812	649877	5867710.4	Biogeochem	1	ME-VEG41a	VA18200592	0.0032	0.18	0.22	1.71	698	374	0.07	0.08	21.5	4.09	3.8	3.34	3.43
E885813	650140.7	5866798.1	Biogeochem	1.2	ME-VEG41a	VA18200592	0.00204	0.14	0.36	1.59	650.4	446.4	0.09	0.11	22.92	1.44	4.28	7.71	4.17
E885814	650069.5	5866810.1	Biogeochem	1.1	ME-VEG41a	VA18200592	0.00803	0.09	0.26	2.16	548.9	455.4	0.06	0.1	20.95	0.49	3.68	4.52	4.44
E885815	650043	5866771.5	Biogeochem	1.2	ME-VEG41a	VA18200592	0.01	0.2	0.32	3.22	667.2	534	0.13	0.13	23.04	0.69	5.71	2.71	5.19
E885816	650039.2	5866763.5	Biogeochem	1	ME-VEG41a	VA18200592	0.0086	0.21	0.33	2.56	598	427	0.11	0.12	20.3	0.6	5.27	2.03	5.23
E885817	650044.4	5866761.7	Biogeochem	1.1	ME-VEG41a	VA18200592	0.01	0.2	0.26	2.18	675.4	380.6	0.07	0.09	20.35	0.46	3.75	2.64	3.92
E885818	650017.1	5866734.7	Biogeochem	1.2	ME-VEG41a	VA18200592	0.0072	0.21	0.22	2.41	691.2	483.6	0.08	0.09	25.08	0.52	3.78	2.65	4.42
E885819	650022.6	5866784.4	Biogeochem	1	ME-VEG41a	VA18200592	0.0049	0.15	0.3	2.63	642	386	0.07	0.11	19.05	1.36	4.25	8.17	3.89
E885820	650014.8	5866778.7	Biogeochem	1.2	ME-VEG41a	VA18200592	0.00564	0.17	0.31	2.61	656.4	591.6	0.08	0.12	28.44	0.71	5.16	4.05	4.63
E885821	650015.7	5866755.1	Biogeochem	1.2	ME-VEG41a	VA18200592	0.00444	0.22	0.24	1.87	787.2	433.2	0.07	0.09	24.72	0.43	3.63	2.92	3.96
E885822	649995.7	5866755.6	Biogeochem	1.1	ME-VEG41a	VA18200592	0.00319	0.16	0.24	1.49	721.6	491.7	0.06	0.09	20.35	0.57	3.97	2.65	3.31
E885823	649983.1	5866770.3	Biogeochem	1.1	ME-VEG41a	VA18200592	0.01	0.1	0.27	2.15	587.4	449.9	0.06	0.11	17.38	0.66	3.87	4.43	4.78
E885824	649988.2	5866783	Biogeochem	1	ME-VEG41a	VA18200592	0.01	0.09	0.2	1.52	513	484	0.09	0.07	19.5	0.69	2.83	3.27	3.23
E885825	649962.4	5866803.8	Biogeochem	1.4	ME-VEG41a	VA18200592	0.01	0.14	0.25	2.57	653.8	610.4	0.14	0.08	31.22	7.57	3.62	34.02	4.45
E885826	649941.6	5866798.8	Biogeochem	1.4	ME-VEG41a	VA18200592	0.00518	0.14	0.28	2.81	708.4	579.6	0.07	0.1	28	1.01	4.46	31.22	4.63
E885827	649951.4	5866767.1	Biogeochem	1.3	ME-VEG41a	VA18200592	0.00442	0.13	0.28	1.96	738.4	434.2	0.09	0.08	19.95	0.6	3.23	5.39	4.3
E885828	649948	5866742.5	Biogeochem	1.1	ME-VEG41a	VA18200592	0.00583	0.26	0.26	2.33	555.5	434.5	0.08	0.09	20.79	0.83	4.04	6.1	6.06
E885829	649923.4	5866756.2	Biogeochem	0.9	ME-VEG41a	VA18200592	0.00729	0.14	0.26	2.23	517.5	235.8	0.07	0.09	14.4	0.95	3.12	4.36	5.31
E885830	649912.1	5866777.9	Biogeochem	1.1	ME-VEG41a	VA18200592	0.00429	0.16	0.44	1.48	695.2	335.5	0.14	0.11	20.18	0.86	5.65	20.02	5.52
E885831	649890.8	5866777.6	Biogeochem	1.4	ME-VEG41a	VA18200592	0.00434	0.17	0.39	2.35	666.4	406	0.07	0.1	23.45	0.85	4.91	3.59	4.85
E885832	649923.1	5866798.2	Biogeochem	1.2	ME-VEG41a	VA18200592	0.00492	0.1	0.25	2.02	624	416.4	0.1	0.09	26.28	0.69	3.6	4.34	3.44

Sample ID	Cs ppmL	Cu ppmL	Fe pctL	Ga ppmL	Ge ppmL	Hf ppmL	Hg ppmL	In ppmL	K pctL	La ppmL	Li ppmL	Mg pctL	Mn ppmL	Mo ppmL	Na pctL	Nb ppmL	Ni ppmL	P pctL	Pb ppmL	Pd ppmL	Pt ppmL	Rb ppmL
E885651L	9.38	450.8	0.53	0.85	0.01	0.02	0.0056	0.02	28	2.77	2.52	10.08	51100	3.19	0.28	0.32	112.28	12.34	23.96	-0.0028	-0.0056	2100
E885651T	4.34	408	0.36	0.62	-0.006	0.01	-0.0012	0.02	12	2.55	1.68	4.34	56400	1.36	0.2	0.2	49.32	5.3	19.5	0.0024	-0.0024	636
E885652L	20.65	488.75	0.55	0.81	-0.01	0.02	0.0075	0.02	25	2.38	3.5	9.3	58000	4.07	0.28	0.31	88	12.5	16.67	0.005	-0.005	2150
E885652T	9.19	481.6	0.39	0.7	0.0098	0.02	0.0028	0.01	14	2.2	1.96	5.67	70000	1.65	0.2	0.2	48.86	6.7	12.9	-0.0014	-0.0028	742
E885653L	26.04	441	0.69	1.21	0.03	0.01	0.003	0.03	30	3.79	4.5	11.88	54600	6.63	0.24	0.5	111.9	13.23	15.75	0.003	-0.006	2040
E885653T	13.99	349.5	0.49	0.94	0.01	0.02	0.0045	0.01	15	3.13	2.7	5.64	75000	2.28	0.15	0.28	62.1	6.09	16.35	-0.0015	0.003	660
E885654L	25.3	604.2	0.98	1.68	0.03	0.02	0.01	-0.01	38	9.15	5.7	17.44	75050	7.48	0.49	0.61	140.6	18.77	22.8	0.0076	-0.0076	5434
E885654T	9.6	456.3	0.41	0.7	0.0091	0.0065	0.0013	0.0078	13	9.56	2.47	5.44	59800	6.04	0.26	0.19	78.26	6.5	18	-0.0013	-0.0026	1599
E885655L	15.39	411.2	0.67	1.18	0.01	0.01	0.0064	-0.01	32	3.53	3.52	13.02	78400	7.04	0.21	0.5	111.04	12.12	15.8	0.0032	-0.0064	3872
E885655T	3.41	266	0.26	0.51	0.007	0.008	0.002	0.01	10	1.77	1.4	3.81	45800	1.76	0.12	0.14	40	4.38	12.05	-0.001	-0.002	960
E885656L	29.96	662	1.04	1.44	0.02	0.01	0.01	-0.02	40	4.12	5.2	14.4	134000	9.16	0.45	0.71	69	20	18.76	0.004	-0.008	5760
E885656T	8.52	344.5	0.32	0.63	0.01	0.01	0.0039	0.01	13	2	2.34	4.22	65000	3.54	0.15	0.18	35.36	6.5	10.72	0.0013	-0.0026	1326
E885657L	13.45	512.85	0.74	1.46	0.03	0.04	0.0039	0.05	39	3.12	1.95	10.17	104520	13.1	0.24	0.6	104.52	14.89	17.97	-0.0039	-0.0078	3588
E885657T	4.66	372	0.43	1.03	0.02	0.01	0.0045	0.02	15	2.53	2.55	3.55	75000	5.32	0.2	0.26	60.75	7.09	12.03	-0.0015	-0.003	1170
E885658L	4.75	441	0.72	1.31	0.02	0.02	-0.003	0.01	30	4.29	2.7	11.34	70800	3.96	0.18	0.53	75.3	12.51	23.13	0.003	-0.006	2190
E885658T	14.95	295.1	0.37	0.86	0.02	0.0078	0.0013	-0.0065	13	2.89	2.47	4.19	65000	4.6	0.13	0.19	26.13	5.34	16.51	-0.0013	-0.0026	1196
E885659L	12.27	697	0.98	1.57	0.02	0.02	0.01	0.03	34	5.37	4.08	12.51	40970	6.25	0.28	0.69	170	15.53	28.59	0.0034	-0.0068	3196
E885659T	1.99	362.4	0.4	0.8	0.01	0.0096	0.0036	0.0084	12	3.15	2.28	4.83	38160	3.06	0.09	0.23	32.88	6	17.82	-0.0012	-0.0024	804
E885660L	9.86	710.5	0.84	1.25	0.02	0.01	0.0029	0.01	29	3.92	2.9	13.25	40600	15.19	0.31	0.56	36.1	14.5	26.99	-0.0029	-0.0058	1914
E885660T	3.75	375.6	0.45	0.83	0.01	0.01	0.0012	0.006	12	2.9	2.64	5.02	42840	3.25	0.12	0.23	68.76	5.35	17.22	0.0024	-0.0024	816
E885661L	6.25	707.2	0.71	0.98	0.02	0.04	0.0068	-0.01	34	3.22	2.38	12.24	82280	16.28	0.38	0.54	38.59	17	20.16	0.0034	-0.0068	2720
E885661T	3.29	410	0.41	0.74	0.01	0.01	0.001	0.01	10	2.23	2.2	4.11	32700	21.5	0.15	0.19	17.8	5	20.7	-0.001	-0.002	480
E885662L	5.34	539.4	0.58	0.84	-0.01	0.05	0.0093	0.01	31	2.73	2.17	12.12	28551	7.81	0.22	0.52	21.45	13.64	15.81	0.0031	0.0062	1171.8
E885662T	2.57	392	0.39	0.72	0.01	0.01	0.0014	-0.007	14	2.21	2.8	4.64	57540	20.37	0.13	0.22	19.32	6.95	17.64	-0.0014	-0.0028	1036
E885663L	8.73	669.7	0.77	1.15	-0.01	0.06	-0.0037	0.03	37	3.68	2.96	12.58	42550	21.38	0.3	0.59	35.66	15.17	23.19	0.0037	-0.0074	2072
E885663T	7.12	342	0.33	0.66	0.01	0.01	0.0012	0.0096	12	2.36	1.68	5.42	26280	14.82	0.1	0.2	23.34	5.78	17.52	0.0012	-0.0024	672
E885664L	14.48	585.75	0.72	1.11	-0.01	0.03	0.0066	0.03	33	4.02	2.64	12.34	30789	17.19	0.2	0.47	46.2	14.25	20.36	0.0066	-0.0066	2244
E885664T	1.23	325.6	0.26	0.51	0.0099	0.01	0.0033	0.01	11	1.72	1.54	4.23	32230	5.59	0.11	0.16	11.49	5.2	13.8	-0.0011	-0.0022	264
E885665L	41.44	452.8	0.67	1.22	0.02	0.04	0.0064	0.01	32	3.79	2.56	11.26	100800	11.84	0.13	0.48	49.92	13.66	17.21	-0.0032	-0.0064	4384
E885665T	2.06	339.9	0.37	0.73	0.01	0.01	0.0033	0.0099	11	2.58	2.09	4.07	30800	18.31	0.14	0.19	15.95	4.32	36.41	0.0011	-0.0022	366.3
E885666L	15.43	463.45	0.55	0.81	0.01	0.05	0.0093	0.01	31	2.66	2.17	12.61	49135	3.25	0.17	0.4	95.79	13.08	18.5	-0.0031	-0.0062	2852
E885666T	6.73	421.5	0.34	0.69	0.01	0.01	0.003	0.01	15	2.11	1.5	6.12	66000	1.99	0.12	0.18	64.2	6.99	14.52	-0.0015	-0.003	1050
E885667L	12.09	553.6	0.73	1.17	0.02	0.04	0.0064	0.02	32	4.22	2.88	12.8	81600	5.66	0.17	0.46	102.08	15.23	22.04	-0.0032	-0.0064	3424
E885667T	3.2	380.4	0.32	0.61	0.0084	0.0096	-0.0012	0.0072	12	1.78	1.8	4.52	60000	3.15	0.1	0.21	65.28	6	15.48	-0.0012	-0.0024	1056
E885668L	15.09	554.4	0.5	0.71	-0.01	0.05	0.0084	0.01	28	2.24	1.68	8.37	60760	10.16	0.11	0.28	58.24	13.02	13.63	-0.0028	0.0056	4592
E885668T	5.89	525.6	0.3	0.59	0.0084	0.0072	0.0036	0.01	12	2.03	1.44	3.58	53760	4.88	0.1	0.18	36.72	5.88	15.96	-0.0012	-0.0024	1368
E885669L	8.23	441	0.56	0.82	-0.01	0.05	0.0056	0.03	28	2.37	1.68	9.32	82320	8.65	0.11	0.42	42.7	13.35	13.1	0.0028	-0.0056	3388
E885669T	2.91	282.7	0.27	0.45	0.0077	0.0077	0.0011	0.0088	11	1.42	1.1	3.21	55000	3.55	0.08	0.14	27.94	5.5	12.7	-0.0011	-0.0022	1045
E885670L	4.83	367.95	0.62	1.04	0.02	0.09	0.0066	0.04	33	2.9	2.31	10.36	132660	4.85	0.1	0.39	138.27	12.54	10.85	-0.0033	-0.0066	2937
E885670T	2.02	208	0.43	0.89	0.01	0.01	-0.001	0.01	10	3.66	2.4	3.98	50000	1.16	0.11	0.22	63.4	4.67	24.2	-0.001	-0.002	650
E885671L	7.06	363.34	0.48	0.7	0.03	0.07	-0.0037	0.03	37	1.82	1.48	11.24	118770	5.55	0.09	0.23	176.12	12.21	8.14	-0.0037	-0.0074	4033
E885671T	2.45	237.6	0.27	0.58	0.01	0.01	0.0022	0.01	11	2.36	1.98	4.21	55000	1.07	0.09	0.15	54.34	4.96	14.3	-0.0011	0.0022	957
E885672L	32.17	486.75	0.59	0.87	-0.01	0.06	0.0099	0.01	33	3.31	2.31	14.02	63690	8.81	0.07	0.33	107.58	13.56	13.39	-0.0033	-0.0066	5610
E885672T	13.32	354.9	0.35	0.5	0.0065	0.01	-0.0013	-0.0065	13	2.05	1.82	4.7	51220	2.5	0.09	0.16	48.49	6.5	9.15	-0.0013	-0.0026	2158
E885673L	30.88	424.8	0.54	0.72	0.01	0.07	0.0036	-0.01	36	1.92	1.8	13.75	45360	9.68	0.1	0.3	144	15.26	12.38	-0.0036	-0.0072	6264
E885673T	8.7	277.2	0.22	0.4	-0.006	0.02	-0.0012	0.01	12	1.45	1.08	4.28	41760	3.36	0.06	0.13	64.08	6	10.54	-0.0012	-0.0024	1896
E885674L	19.62	372.4	0.39	0.53	0.01	0.03	0.0084	-0.01	28	1.39	1.4	9.15	49280	5.2	0.07	0.22	94.92	12.2	7.08	-0.0028	-0.0056	3752
E885674T	4.45	275	0.18	0.29	0.0055	0.01	-0.0011	-0.0055	11	1.03	0.88	4.22	39050	1.41	0.05	0.08	36.85	5.22	8.3	-0.0011	-0.0022	935
E885675L	31.67	409.5	0.66	1.02	-0.01	0.09	0.0035	0.01	35	3.11	2.8	15.4	53025	4.23	0.09	0.48	72.45	12.32	17.25	-0.0035	-0.007	4795
E885675T	8.72	343.2	0.27	0.48	0.0078	0.01	0.0039	0.0091	13	1.65	1.43	4.9	63570	2.32	0.11	0.13	42.77	6.5	9.64	-0.0013	-0.0026	1495
E885676	1.87	355.2	0.43	0.74	0.01	0.01	-0.0012	-0.006	12	2.94	1.92	2.88	57000	3.55	0.07	0.19	101.52	5	11.41	-0.0012	-0.0024	924
E885677	5.99	385	0.35	0.61	0.01	0.01	-0.0014	0.007	14	1.98	1.54	5.02	37380	3.26	0.08	0.19	80.36	7	11.48	-0.0014	-0.0028	1106
E885678	11.99	413.6	0.4	0.66	0.0099	0.01	0.0033	-0.0055	11	2.64	2.42	5.64	31900	1.7	0.08	0.18	63.25	4.69	15.34	-0.0011	-0.0022	561
E885679	9.21	425.1	0.37	0.63	0.01	0.02	-0.0013	-0.0065	13	2.47	2.6	4.45	43550	1.85	0.12	0.19	173.55	6.12	12.98	-0.0013	-0.0026	525.2
E885680	17.46	511.2	0.32	0.57	-0.009	0.04	-0.0018	0.01	18	1.81	1.62	6.08	35190	0.95	0.12	0.19	30.78	8.13	12.79	-0.0018	-0.0036	990
E885681	12.36	434.2	0.37	0.65	0.01	0.01	0.0026	-0.0065	13	2.34	2.21	5.72	28080	2.76	0.09	0.19	95.42	6.43	13.13	-0.0013	-0.0026	715
E885682	8.86	516.1	0.31	0.46	0.0078	0.01	-0.0013	-0.0065	13	1.75	1.3	5.42	34840	2.66	0.07	0.14	32.37	5.82	8.19	-0.0013	-0.0026	897
E885683	9.55	369.6	0.29	0.56	0.01	0.01	-0.0011	0.0099	11	1.87	1.87	4.25	34760	2.16	0.08	0.14	38.61	5.18	11.82	-0.0011	-0.0022	482.9
E885684	2.2	307.2	0.24	0.39	-0.008	0.02	-0.0016	0.0096	16	1.45	1.76	5.87	34560	9.15	0.08	0.13	5.04	5.39	7.4	-0.0016	-0.0032	476.8
E885685	2.2	440	0.4	0.74	-0.008	0.02	0.0032	0.008	16	2.7	2.08	5.2	48160	10.96	0.07	0.24	7.1	6.08	14.46	-0.0016	-0.0032	446.4
E885686	6.3	500.5	0.4	0.83	-0.0065	0.01	-0.0013	0.0091	13	2.89	1.95	5.03	65000	1.54	0.08	0.2	25.54	5.86	14.36	-0.0013	-0.0026	547.3
E885687	4.5	376.6	0.32	0.56	0.007	0.01	0.0014	-0.007	14	2.03	2.1	4.99	43120	10.72	0.07	0.15	10.43	5.39	14.91	-0.0014	-0.0028	392
E885688	3.37	400.5	0.25	0.44	-0.0075	0.02	-0.0015	-0.0075	15	1.52	1.2	4.53	75000	3.22	0.08	0.12	7.74	6.48	8.38	-0.0015	-0.003	414
E885689	2.53	358.6	0.26	0.47	0.0055	0.02	-0.0011	-0.0055	11	1.91	2.31	3.94	33220	7.45	0.09	0.17	11.71	4.98	11.6	-0.0011	-0.0022	355.3
E885690	1.57	316.8	0.28	0.44	0.0077	0.02	0.0011	-0.0055	11	1.83	1.98	3.71	55000	3.65	0.07	0.13	9.29	4.6	12.87	0.0011	0.0022	268.4
E885691	6.39	319	0.27	0.4	-0.005	0.01	0.001	-0.005	10	1.77	1.5	4.35	23900	4.36	0.07	0.13	44.2	5	13.25	-0.001	-0.002	840
E885692	2.45	396.2	0.35	0.66	0.01	0.01	-0.0014	-0.007	14	2.56	2.52	5.19	70000	8.61	0.09	0.18	68.18	7	17.01	-0.0014	-0.0028	980
E885693	5.98	414	0.33	0.51	0.009	0.04	0.0015	0.01	12.13	1.86	4.5	4.99	19500	41.4	0.18	0.16	12.58	5.85	15.22	-0.0015	-0.003	604.5
E885694	2.61	264	0.28	0.48	0.009	0.02	0.002	0.007	10	1.61	1.2	4.36	37600	8.24	0.09	0.16	13.35	4.63	11.8	-0.001	-0.002	421
E885695	10.35	257.4	0.33	0.48	-0.0045	0.0072	-0.0009	0.0099	9	1.78	2.79	4.14	34920	4.25	0.1	0.13	21.87	4.41	12.19	-0.0009	0.0018	612
E885696	14.82	438.1	0.36	0.57	0.01	0.02	-0.0013	0.0091	13	2.11	2.47	5.48	50700	2.57	0.08	0.16	57.72	6.5	11.96	-0.0013	0.0026	1222
E885697	10.65	382.8	0.37	0.64	0.0088	0.01	0.0011	0.0066	11	2.21	1.98	5.13	40260	2.21	0.08	0.19	72.93	5.41	15.23	-0.0011	-0.0022	1232
E885698	6.73	415.5	0.45	0.76	0.01	0.01	0.0015	0.009	15	3.43	2.25	4.02	75000	2.95	0.12	0.23	58.8	6.79	15.07	-0.0015	-0.003	990
E885699	10.15	354.2	0.3	0.58	0.0084	0.01	0.0014	0.007	14	2.35	1.96	4.99	63700	2.99	0.07	0.18	44.66	7	9.78	-0.0014	-0.0028	2058
E885700	14.36	310.7	0.31	0.55	0.01	0.02	0.0039	-0.0065	13	2.17	2.34	4.9	50960	1.84	0.06	0.15	31.33	5.7	13.19	-0.0013	-0.0026	1573
E885704	2.87	320.1	0.29	0.4	0.0088	0.01	0.0011	-0.0055	11	1.23	1.76	3.12	23320	10.98	0.14	0.13	12.04	5.5	7.88	0.0011	0.0022	463.1
E885705	7.2	498.1	0.39	0.54	0.01	0.05	0.0051	-0.0085	17	2.03	1.53	5.18	34170	2.31	0.09	0.18	39.95	6.2	12.56	-0.0017	0.0051	742.9
E885706	29.26	491.4	0.42	0.74	0.01	0.02	0.0056	0.007	14	2.84	2.38	5.79	60480	2.63	0.1	0.2	122.5	5.55	18.06	0.0014	0.0028	700
E885707	4.12	378	0.3	0.45	0.0072	0.02	-0.0012	0.01	12	1.7	1.44	3.36	25680	2.08	0.12	0.14	17.28	6	11.41	-0.0012	-0.0024	452.4
E885708	5.68	424.8	0.31	0.61	0.01	0.02	-0.0012	-0.006	12	2.08	1.56	4.11	53640	1.45	0.09	0.18	12.84	4.82	12	0.0024	0.0036	636
E885709	8.03	320.1	0.35	0.6	0.01	0.03	0.0022	0.0088	11	2.1	1.65	3.63	46420	1.18	0.1	0.17	14.96	4.91	13.09	0.0011	-0.0022	506
E885710	14.7	358	0.23	0.34	0.005	0.03	-0.001	0.01	10	1.25	1.9	3.03	30100	4.8	0.11	0.1	10	4.87	8.86	0.001	0.003	600
E885711	15.25	328.5	0.32	0.58	0.0081	0.02	0.0018	0.0063	9	2.1	1.98	3.12	29430	2.77	0.1	0.16	13	4.33	12.69	-0.0009	-0.0018	423
E885712	6.42	419.9	0.28	0.49	0.01	0.07	0.0038	-0.0095	15.73	2.32	1.9	3.64	19095	7.14	0.14	0.16	11.62	5.14	13.77	-0.0019	0.0076	731.5
E885713	10.29	373.5	0.42	0.75	0.01	0.07	0.003	0.01	11.38	3.42	2.1	3.37	27825	5.86	0.17	0.23	17.92	6.18	21.07	-0.0015	0.003	532.5
E885714	10.93	363.6	0.3	0.48	-0.006	0.02	0.0036	-0.006	12	1.74	2.04	4.48	43440	22.56	0.13	0.14	20.58	5.83	11.54	-0.0012	-0.0024	1080
E885715	3.31	379.6	0.28	0.58	0.0078	0.04	0.0026	0.0091	13	1.76	2.34	4.81	31330	4.56	0.06	0.14	6.39	4.69	11.99	-0.0013	-0.0026	490.1
E885716	3.17	411.6	0.4	0.79	0.0084	0.05	0.0014	0.01	14	2.78	2.24	4.85	48300	6.39	0.11	0.24	12.74	6.39	19.32	-0.0014	0.0028	539
E885717	2.06	334.4	0.31	0.48	0.0088	0.03	0.0011	0.0055	11	1.44	1.65	3.8	29810	12.81	0.06	0.16	44.11	5.5	10.97	0.0022	-0.0022	946
E885718	10.44	298.8	0.25	0.49	0.009	0.01	0.0009	0.01	9	1.51	2.25	3.6	43740	2.5	0.07	0.15	32.04	4.5	10.93	-0.0009	0.0027	1125
E885719	5.68	348.7	0.33	0.73	0.01	0.01	0.0011	-0.0055	11	2.47	1.98	4.74	55000	0.81	0.07	0.14	17.82	4.51	17.82	0.0011	0.0022	528
E885720	6.92	184.8	0.16	0.36	0.0077	0.02	0.0014	0.0042	7	1.3	1.47	2.64	35000	0.51	0.04	0.07	8.92	2.43	9.1	-0.0007	0.0014	301.7
E885721	7.77	189.6	0.26	0.52	0.0096	0.01	0.0024	0.008	8	1.88	1.28	3.22	40000	0.51	0.05	0.11	9.2	2.67	14.68	-0.0008	0.0016	314.4
E885722	7.32	206	0.28	0.54	0.009	0.01	0.001	0.01	10	2.08	1.4	4.47	50000	0.72	0.07	0.11	16.25	3.54	11.15	0.001	-0.002	500
E885723	4.56	286.2	0.31	0.66	0.009	0.01	0.0009	0.0099	9	2.3	3.33	3.48	45000	1.06	0.06	0.14	18.81	3.58	15.57	-0.0009	0.0018	289.8
E885724	6.62	433.2	0.37	0.69	0.01	0.02	0.0024	0.01	12	2.79	2.16	4.36	50160	1.22	0.07	0.16	21.48	4.57	18.12	-0.0012	0.0024	493.2
E885725	2.51	305.5	0.35	0.67	0.01	0.04	0.0026	0.03	13	2.74	2.34	4.57	65000	5.12	0.1	0.18	11.63	4.52	18.65	-0.0013	-0.0026	409.5
E885726	5.11	370.8	0.27	0.51	0.006	0.01	0.0024	0.02	12	1.7	1.56	4.4	55320	1.54	0.07	0.13	26.52	5.94	11.96	-0.0012	-0.0024	564
E885727	2.49	267.3	0.29	0.61	0.01	0.01	0.0009	0.009	9	2.26	1.8	3.51	45000	1	0.06	0.14	12.73	3.22	14.71	0.0009	0.0018	270
E885728	6.07	280.8	0.19	0.38	0.0096	0.03	0.0036	0.01	12	1.2	1.2	3.9	60000	3.72	0.06	0.1	18.54	4.88	8.62	-0.0012	-0.0024	840
E885729	5.62	356.2	0.29	0.45	0.01	0.01	0.0013	-0.0065	13	1.79	1.95	5.09	33930	7.13	0.16	0.14	76.44	6.5	16.31	-0.0013	0.0026	897
E885730	6.91	413.4	0.42	0.72	0.01	0.02	0.0013	-0.0065	13	2.39	2.21	4.08	40560	14.56	0.09	0.19	32.63	5.75	13.39	0.0013	-0.0026	1105
E885731	1.81	331.2	0.37	0.73	0.0096	0.01	0.0036	0.0084	12	2.48	1.8	4.42	30840	1.56	0.09	0.19	9.66	4.52	15.72	-0.0012	-0.0024	264
E885732	1.77	268.8	0.32	0.6	0.01	0.01	0.0024	-0.006	12	2.24	1.56	4.58	50760	2.42	0.08	0.16	7.06	4.48	15.36	-0.0012	-0.0024	247.2
E885733	6.81	417.6	0.3	0.51	-0.008	0.03	-0.0016	0.01	16	1.68	1.44	6.2	80000	7.52	0.12	0.18	7.69	7.07	16.16	-0.0016	-0.0032	720
E885734	6.67	301.2	0.36	0.73	0.0096	0.01	0.0024	0.0084	12	2.52	2.16	4.95	60000	4.59	0.08	0.17	11.85	4.74	17.1	-0.0012	0.0024	528
E885735	11	393.6	0.36	0.73	0.0096	0.04	0.0016	0.02	16	2.64	2.24	5.44	80000	1.02	0.08	0.17	12.78	5.58	17.6	-0.0016	-0.0032	864
E885736	8.23	279.6	0.3	0.58	0.01	0.01	0.0012	0.01	12	2.43	2.28	4.08	60000	0.78	0.07	0.14	9.26	4.11	14.46	-0.0012	-0.0024	552
E885737	12.2	350.2	0.45	0.97	0.01	0.02	-0.0017	0.02	17	3.11	2.04	6.85	79050	1.44	0.09	0.26	21.76	6.52	22.61	0.0034	-0.0034	816
E885738	11.7	394.5	0.43	0.82	0.01	0.02	0.0015	0.01	15	2.56	1.8	6.3	70650	1.08	0.1	0.19	22.5	6.16	17.92	-0.0015	-0.003	1035
E885739	16.8	524.8	0.38	0.78	0.01	0.02	0.0032	0.01	16	2.76	2.08	6.28	69440	2.27	0.1	0.23	65.6	6.75	14.49	0.0016	-0.0032	1184
E885740	2.66	439	0.43	0.72	0.01	0.01	0.005	-0.005	10	2.24	1.9	3.52	31300	5.44	0.07	0.19	116	5	13	0.001	-0.002	810
E885741	3.42	322.2	0.34	0.7	0.01	0.0063	-0.0009	0.0045	9	2.25	2.16	3.2	22680	36.45	0.06	0.19	11.16	4.5	14.85	0.0009	-0.0018	468
E885742	1.57	330.2	0.28	0.47	-0.0065	0.0091	-0.0013	-0.0065	13	1.74	1.3	4.52	21385	16.96	0.07	0.19	10.14	6.5	16.25	0.0026	-0.0026	513.5
E885743	4.08	349.7	0.27	0.47	0.0078	0.02	-0.0013	0.01	13	1.88	3.25	4.68	37570	13.45	0.08	0.15	9.24	5.1	12.89	0.0026	-0.0026	488.8
E885744	3.66	300	0.36	0.63	0.01	0.01	0.0012	-0.006	12	2.31	3	4.68	28440	21.6	0.08	0.18	6.38	5.13	13.02	0.0036	-0.0024	516
E885745	4.03	356.2	0.32	0.61	-0.0065	0.0065	0.0026	0.01	13	2.11	1.69	4.48	48490	3.05	0.08	0.17	18.46	6.12	12.41	-0.0013	0.0026	523.9
E885748	2.13	388.5	0.46	0.69	0.01	0.01	0.0045	0.0075	15	2.78	2.25	5.71	53700	6	0.08	0.2	58.65	6.99	11.13	-0.0015	0.003	825
E885749	0.67	423.5	0.39	0.46	0.0088	0.01	0.0022	0.01	11	2.4	1.65	4.1	34320	6.9	0.08	0.13	200.75	5.5	9.17	0.0044	0.0033	413.6
E885750	3.99	271.7	0.33	0.66	0.0091	0.01	0.0013	-0.0065	13	2.74	4.81	4.35	12480	17.81	0.13	0.18	10.42	5.92	15.53	0.0013	-0.0026	637
E885801	7.39	331.5	0.24	0.45	0.0078	0.02	0.0013	0.0078	13	1.82	1.82	5.03	65000	1.13	0.06	0.12	24.24	6.21	15.34	0.0013	-0.0026	1911
E885802	5.27	230.4	0.25	0.37	0.0072	0.0072	-0.0009	0.01	9	1.3	0.81	4.14	45000	2.3	0.06	0.12	36.45	4.5	13.09	0.0018	-0.0018	936
E885803	6.11	277.2	0.23	0.45	0.0055	0.0066	-0.0011	0.0055	11	4.45	1.21	4.55	43780	1.32	0.07	0.14	37.95	5.5	9.75	-0.0011	-0.0022	1166
E885804	4.28	316	0.29	0.52	0.008	0.01	0.002	0.008	10	2.12	1.4	4.7	40100	5.13	0.06	0.14	73.8	4.1	14.55	0.002	-0.002	790
E885805	4.11	513.8	0.21	0.36	-0.007	0.02	-0.0014	-0.007	14	1.34	0.98	5.29	58380	1.63	0.11	0.11	32.76	6.65	8.26	0.0042	-0.0028	1176
E885806	7.02	339.6	0.3	0.59	0.0084	0.01	0.0024	-0.006	12	2.17	1.68	3.73	60000	1.05	0.09	0.14	79.92	5.24	13.44	0.0036	-0.0024	1512
E885807	11.05	277.2	0.26	0.46	0.0066	0.0077	0.0033	0.0099	11	2.29	1.54	4.09	46310	1.3	0.06	0.12	94.38	5.5	17.93	0.0022	-0.0022	1837
E885808	18.3	308	0.33	0.59	0.01	0.008	-0.001	0.006	10	1.95	3	3.69	38500	1.39	0.14	0.14	163.5	5	22	0.002	-0.002	1640
E885809	6.17	333.3	0.35	0.61	0.0077	0.0044	0.0055	-0.0055	11	2.72	2.09	5.04	24530	2.33	0.08	0.17	74.36	5.25	18.2	0.0033	-0.0022	1419
E885810	5.08	248.4	0.29	0.49	0.0081	0.0054	0.0009	0.01	9	2.07	1.89	3.57	45000	1.25	0.06	0.11	27.27	4.5	16.38	0.0009	-0.0018	981
E885811	7.35	373.8	0.35	0.64	0.01	0.007	-0.0014	0.0098	14	2.6	2.38	5.9	48440	23.31	0.48	0.21	16.8	5.71	22.33	0.0014	-0.0028	854
E885812	3.36	246	0.29	0.5	0.008	0.01	0.002	0.01	10	1.89	1.7	4.21	35700	47.4	0.17	0.14	14.4	3.9	12.45	-0.001	-0.002	500
E885813	10.2	384	0.34	0.57	0.0096	0.01	0.0036	-0.006	12	2.16	2.76	5.16	60000	1.03	0.11	0.13	165.6	6	15.36	0.0024	-0.0024	876
E885814	14.3	262.9	0.28	0.5	0.0055	0.01	0.0022	-0.0055	11	1.83	1.76	4.09	52030	1.74	0.13	0.13	48.18	4.88	10.93	-0.0011	-0.0022	858
E885815	17.58	324	0.37	0.71	0.0084	0.0024	-0.0012	0.006	12	2.91	2.76	4.84	60000	0.9	0.11	0.17	47.04	5.17	15.24	0.0012	-0.0024	900
E885816	11.8	314	0.36	0.7	0.01	0.01	-0.001	-0.005	10	2.6	2.2	3.94	50000	0.97	0.09	0.14	36.6	4.13	18	0.001	-0.002	500
E885817	10.28	338.8	0.29	0.48	0.0077	0.0044	0.0022	-0.0055	11	1.89	1.65	4.69	55000	1.06	0.05	0.15	36.85	5.21	12.26	0.0022	-0.0022	715
E885818	8.97	324	0.32	0.52	0.01	0.01	0.0012	0.0072	12	1.97	1.8	5.13	60000	2.58	0.06	0.13	16.14	4.86	12.42	0.0012	-0.0024	648
E885819	7.89	304	0.32	0.55	0.009	0.002	0.003	-0.005	10	2.08	2.1	5.33	48300	0.91	0.08	0.14	85.3	4.25	12.9	0.001	-0.002	590
E885820	13.32	422.4	0.36	0.66	0.01	0.03	-0.0012	0.0072	11.17	2.6	1.68	5.95	51120	1.17	0.09	0.15	91.32	4.24	16.38	-0.0012	-0.0024	588
E885821	8.08	320.4	0.34	0.51	0.01	0.01	0.0012	0.0096	12	1.78	1.8	5.54	60000	2.47	0.08	0.12	23.94	5.05	10.09	0.0012	-0.0024	564
E885822	8.42	294.8	0.36	0.51	-0.0055	0.02	-0.0011	0.01	11	1.95	1.87	4.37	55000	7.08	0.05	0.14	18.2	4	11.93	0.0033	-0.0022	539
E885823	25.85	393.8	0.33	0.61	0.01	0.01	0.0022	0.0055	11	1.79	2.42	3.92	55000	1.56	0.07	0.12	51.15	5.5	13.09	-0.0011	-0.0022	1045
E885824	5.4	363	0.22	0.38	0.006	0.03	-0.001	-0.005	10	1.43	1.6	3.5	34800	0.74	0.05	0.08	85	4.71	9.24	-0.001	-0.002	540
E885825	20.58	592.2	0.33	0.53	-0.007	0.07	0.0014	0.0098	13.45	1.84	5.74	4.76	62160	1.14	0.19	0.12	131.18	5.47	11.13	-0.0014	-0.0028	952
E885826	12.51	642.6	0.33	0.57	0.0084	0.02	-0.0014	0.01	14	2.23	3.36	4.99	64400	1	0.09	0.15	207.9	6.55	13.87	-0.0014	-0.0028	952
E885827	3.36	521.3	0.33	0.47	0.01	0.02	-0.0013	-0.0065	13	1.47	1.56	5.07	62400	1.8	0.06	0.09	80.6	6.5	10.94	-0.0013	-0.0026	936
E885828	11.66	262.9	0.35	0.55	0.01	0.03	0.0011	0.01	11	1.87	1.76	4.27	52030	1.38	0.05	0.13	110.55	4.7	11.93	-0.0011	-0.0022	1056
E885829	2.29	226.8	0.34	0.4	0.01	0.02	-0.0009	-0.0045	9	1.3	1.62	2.76	45000	3.42	0.07	0.11	113.85	4.5	9.31	-0.0009	-0.0018	801
E885830	3.72	297	0.4	0.75	0.01	0.01	-0.0011	0.01	11	2.65	3.3	4.44	55000	0.95	0.07	0.18	378.4	5.39	19.96	-0.0011	-0.0022	1100
E885831	25.83	380.8	0.35	0.66	-0.007	0.01	-0.0014	0.01	14	2.17	2.94	6.62	70000	1.41	0.08	0.15	62.86	6.32	14.91	-0.0014	-0.0028	1330
E885832	11.89	471.6	0.26	0.45	-0.006	0.04	-0.0012	-0.006	12	1.71	2.16	3.66	59520	1.16	0.06	0.12	67.44	4.66	12.24	-0.0012	-0.0024	708

Sample ID	Re ppmL	S pctL	Sb ppmL	Sc ppmL	Se ppmL	Sn ppmL	Sr ppmL	Ta ppmL	Te ppmL	Th ppmL	Ti pctL	Tl ppmL	U ppmL	V ppmL	W ppmL	Y ppmL	Zn ppmL	Zr ppmL	Date Sampled	Plant Sampled
E885651L	0.01	3.78	2.88	2.4	0.81	1.51	627.2	-0.0028	0.3	0.5	0.01	0.08	0.17	9.15	1.03	1.38	2111.2	1.14	7/8/2018	Labrador Tea Leaves
E885651T	0.0012	1.54	2.3	0.9	0.49	1.04	496.8	-0.0012	-0.02	0.42	0.0072	0.42	0.16	6.3	0.52	1.54	1674	0.38	7/8/2018	Labrador Tea Stems
E885652L	0.01	3.7	3.12	2.55	0.69	1.15	560	-0.0025	-0.05	0.48	0.01	0.1	0.16	7.77	0.82	1.57	2132.5	0.9	7/8/2018	Labrador Tea Leaves
E885652T	0.0014	2.07	1.42	0.84	0.46	0.68	586.6	-0.0014	-0.02	0.41	0.007	0.35	0.15	5.85	0.42	1.56	2170	0.81	7/8/2018	Labrador Tea Stems
E885653L	0.01	4.98	3.06	3.45	1.34	1.17	990	0.01	-0.06	0.69	0.02	0.2	0.25	12.3	1.86	2.23	2340	0.48	7/8/2018	Labrador Tea Leaves
E885653T	0.0015	2.07	1.54	1.17	0.73	0.81	891	-0.0015	-0.03	0.54	0.01	0.61	0.2	8.82	0.78	2.28	2407.5	1.05	7/8/2018	Labrador Tea Stems
E885654L	0.03	6.19	8.05	4.56	1.88	2.2	2067.2	0.01	-0.07	0.92	0.03	0.06	0.36	16.45	1.86	5.2	3404.8	0.83	7/8/2018	Labrador Tea Leaves
E885654T	0.0013	2.1	2.43	0.84	0.66	0.79	1188.2	-0.0013	-0.02	0.33	0.0078	2.04	0.16	6.51	0.71	2.58	1911	0.26	7/8/2018	Labrador Tea Stems
E885655L	0.01	3.84	4.64	3.58	2.24	1.31	1619.2	-0.0032	-0.06	0.7	0.02	0.12	0.24	11.87	0.76	2.73	2576	0.6	7/8/2018	Labrador Tea Leaves
E885655T	0.001	1.72	1.34	0.77	1.15	0.31	773	-0.001	-0.02	0.26	0.006	0.04	0.11	4.78	0.21	1.28	1140	0.44	7/8/2018	Labrador Tea Stems
E885656L	-0.004	6.88	8.48	4.84	2.6	2.2	1400	-0.004	-0.08	0.76	0.04	0.05	1.41	14.72	1.68	3.52	4280	0.72	7/8/2018	Labrador Tea Leaves
E885656T	-0.0013	2.21	1.57	1.02	1.13	0.52	729.3	-0.0013	-0.02	0.31	0.0091	0.02	0.44	5.48	0.37	1.63	1982.5	0.45	7/8/2018	Labrador Tea Stems
E885657L	0.0078	6.31	5.69	3.62	2.41	0.93	1209	-0.0039	0.27	0.78	0.03	0.07	0.26	13.53	1.2	6.24	2901.6	2.02	7/8/2018	Labrador Tea Leaves
E885657T	-0.0015	2.47	2.32	1.18	1.38	0.48	661.5	-0.0015	-0.03	0.52	0.01	0.06	0.16	8.74	0.46	2.04	1605	0.54	7/8/2018	Labrador Tea Stems
E885658L	0.006	6.03	4.02	3.24	2.01	1.41	990	0.01	-0.06	0.82	0.02	0.06	0.34	12.93	1.08	3.12	3165	1.23	7/8/2018	Labrador Tea Leaves
E885658T	-0.0013	2.05	1.66	1.14	1.14	0.88	685.1	-0.0013	-0.02	0.45	0.01	0.07	0.18	7.05	0.32	1.75	2067	0.41	7/8/2018	Labrador Tea Stems
E885659L	0.01	6.59	8.16	3.7	2.02	2.34	1230.8	0.01	0.44	1.28	0.03	0.04	0.48	16.15	0.98	4.36	3090.6	1.05	7/8/2018	Labrador Tea Leaves
E885659T	-0.0012	1.89	1	1.11	1.14	0.56	632.4	-0.0012	-0.02	0.48	0.0084	0.02	0.19	7.05	0.26	2.08	1986	0.43	7/8/2018	Labrador Tea Stems
E885660L	0.0058	6.81	5.65	3.01	1.75	1.47	835.2	-0.0029	-0.05	0.89	0.02	0.06	0.31	13.71	0.69	2.94	2067.7	1.27	7/8/2018	Labrador Tea Leaves
E885660T	0.0024	1.99	1.39	1.14	0.9	0.68	648	-0.0012	-0.02	0.51	0.0096	0.03	0.21	7.5	0.34	2.12	1290	0.58	7/8/2018	Labrador Tea Stems
E885661L	0.0068	7.71	7.37	3.02	1.94	1.05	601.8	0.01	0.2	0.61	0.02	0.03	0.26	9.55	0.61	2.18	3400	1.87	7/8/2018	Labrador Tea Leaves
E885661T	-0.001	2.25	1.88	0.92	0.99	0.61	504	-0.001	-0.02	0.4	0.007	0.05	0.19	7.19	0.34	2.08	1085	0.42	7/8/2018	Labrador Tea Stems
E885662L	0.0093	7.59	5.98	2.66	1.42	1.05	719.2	-0.0031	-0.06	0.62	0.02	0.04	0.23	9.51	0.55	2.14	4913.5	2.32	7/8/2018	Labrador Tea Leaves
E885662T	0.0014	3.05	1.35	1.03	1.01	0.47	418.6	-0.0014	-0.02	0.3	0.0084	0.03	0.18	6.31	0.3	1.85	1813	0.53	7/8/2018	Labrador Tea Stems
E885663L	0.01	8.95	5.25	3.03	1.34	1.11	936.1	-0.0037	-0.07	0.79	0.02	0.09	0.29	12.76	0.62	2.78	2353.2	2.66	8/1/2018	Labrador Tea Leaves
E885663T	0.0012	2.25	1.35	0.93	0.95	0.46	604.8	-0.0012	-0.02	0.4	0.0072	0.04	0.17	6.68	0.26	2.08	1788	0.43	8/1/2018	Labrador Tea Stems
E885664L	0.0033	5.31	5.97	2.67	0.97	1.15	986.7	-0.0033	-0.06	0.84	0.01	0.05	0.32	12.27	0.89	2.83	3187.8	1.55	8/1/2018	Labrador Tea Leaves
E885664T	-0.0011	2.24	1.44	0.73	1.08	0.4	511.5	-0.0011	-0.02	0.29	0.0055	0.04	0.13	5.01	0.15	1.55	3388	0.57	8/1/2018	Labrador Tea Stems
E885665L	0.0096	5.47	4.64	2.91	1.51	1.5	972.8	-0.0032	0.19	0.79	0.02	0.08	0.29	11.04	0.99	2.58	2697.6	1.98	8/1/2018	Labrador Tea Leaves
E885665T	-0.0011	2.29	1.77	0.92	0.98	0.68	540.1	-0.0011	-0.02	0.44	0.0066	0.12	0.22	6.51	0.6	1.96	1870	0.52	8/1/2018	Labrador Tea Stems
E885666L	0.0093	4.89	2.94	2.2	1.27	0.71	598.3	-0.0031	-0.06	0.57	0.01	0.06	0.2	7.99	0.43	1.8	2532.7	2.44	8/1/2018	Labrador Tea Leaves
E885666T	-0.0015	2.32	1	0.99	1.24	0.55	448.5	-0.0015	-0.03	0.41	0.0075	0.02	0.16	7.11	0.25	2.08	2017.5	0.46	8/1/2018	Labrador Tea Stems
E885667L	0.0064	5.92	3.84	3.16	1.84	1.21	1398.4	-0.0032	-0.06	0.67	0.01	0.12	0.26	11.68	0.51	2.42	3440	2.08	8/1/2018	Labrador Tea Leaves
E885667T	-0.0012	2.29	1.3	1.06	0.88	0.43	709.2	-0.0012	-0.02	0.28	0.0072	0.02	0.17	6.93	0.22	1.58	1752	0.44	8/1/2018	Labrador Tea Stems
E885668L	0.0056	4.48	3.24	2.49	1.22	0.89	688.8	-0.0028	-0.05	0.43	0.01	0.24	0.16	6.69	0.5	1.75	2693.6	2.18	8/1/2018	Labrador Tea Leaves
E885668T	0.0012	1.44	1.1	1.08	0.86	0.55	445.2	-0.0012	-0.02	0.3	0.006	0.07	0.13	6.8	0.3	1.61	1758	0.38	8/1/2018	Labrador Tea Stems
E885669L	0.0056	5.82	3.16	1.87	1.27	0.89	644	-0.0028	-0.05	0.44	0.01	0.12	0.18	7.5	0.53	1.46	2539.6	2.32	8/1/2018	Labrador Tea Leaves
E885669T	-0.0011	1.57	0.91	0.82	0.59	0.39	400.4	-0.0011	-0.02	0.21	0.0055	0.04	0.1	4.76	0.2	1.04	1430	0.41	8/1/2018	Labrador Tea Stems
E885670L	0.0099	5.77	2.21	2.8	3.09	0.75	1617	-0.0033	-0.06	0.6	0.01	0.15	0.2	9.83	0.33	1.9	2455.2	3.13	8/1/2018	Labrador Tea Leaves
E885670T	-0.001	1.57	1.37	1.33	1.43	0.54	724	-0.001	-0.02	0.44	0.01	0.04	0.21	9.75	0.24	2.49	1565	0.4	8/1/2018	Labrador Tea Stems
E885671L	0.0074	5.51	1.96	2.03	3.86	0.59	1702	-0.0037	-0.07	0.44	0.0074	0.1	0.12	5.29	0.37	1.17	2789.8	3.4	8/1/2018	Labrador Tea Leaves
E885671T	-0.0011	1.32	0.99	0.89	1.09	0.37	794.2	-0.0011	-0.02	0.32	0.0055	0.07	0.13	5.72	0.22	1.66	1082.4	0.46	8/1/2018	Labrador Tea Stems
E885672L	0.01	5.21	2.44	2.54	1.3	0.72	1207.8	-0.0033	-0.06	0.58	0.01	0.13	0.16	7.95	0.33	1.89	2372.7	3.39	8/1/2018	Labrador Tea Leaves
E885672T	-0.0013	1.43	1.06	0.88	0.51	0.45	728	-0.0013	-0.02	0.28	0.0065	0.05	0.13	5.6	0.16	1.25	1339	0.45	8/1/2018	Labrador Tea Stems
E885673L	0.0072	5.97	2.41	2.37	1.23	0.72	1785.6	-0.0036	-0.07	0.49	0.01	0.18	0.15	6.55	0.32	1.16	2466	3.49	8/1/2018	Labrador Tea Leaves
E885673T	-0.0012	1.09	0.54	0.74	0.37	0.34	907.2	-0.0012	-0.02	0.21	0.0048	0.06	0.09	4.51	0.15	0.98	1344	0.82	8/1/2018	Labrador Tea Stems
E885674L	0.0056	5.62	1.87	2.18	2.05	0.39	1229.2	-0.0028	-0.05	0.34	0.0084	0.06	0.11	4.84	0.25	1.05	1831.2	2.57	8/1/2018	Labrador Tea Leaves
E885674T	-0.0011	0.95	0.62	0.58	0.47	0.2	647.9	-0.0011	-0.02	0.17	0.0033	0.06	0.05	3.11	0.09	0.77	1075.8	0.72	8/1/2018	Labrador Tea Stems
E885675L	0.01	5.21	3.18	3.15	1.34	0.7	1207.5	-0.0035	-0.07	0.74	0.01	0.42	0.22	10.01	0.45	2.61	2516.5	4.2	8/1/2018	Labrador Tea Leaves
E885675T	-0.0013	1.88	1.95	0.91	0.77	0.36	663	-0.0013	-0.02	0.26	0.0052	0.07	0.13	5.49	0.16	1.51	1521	0.62	8/1/2018	Labrador Tea Stems
E885676	-0.0012	1.35	0.73	1.04	1.21	0.42	752.4	-0.0012	-0.02	0.44	0.0072	0.04	0.17	7.99	0.43	1.96	1464	0.51	7/10/2018	Labrador Tea Stems
E885677	-0.0014	1.96	1.47	0.96	0.73	0.49	572.6	-0.0014	-0.02	0.35	0.007	0.01	0.15	6.67	0.57	1.54	1234.8	0.7	7/10/2018	Labrador Tea Stems
E885678	-0.0011	1.49	1.71	1.03	0.69	0.52	523.6	-0.0011	-0.02	0.43	0.0077	0.04	0.18	7.83	0.42	2.12	1358.5	0.52	7/10/2018	Labrador Tea Stems
E885679	-0.0013	2.05	2.11	0.98	1.65	0.53	474.5	-0.0013	-0.02	0.35	0.0065	0.05	0.15	7.81	0.46	1.97	1911	0.8	7/10/2018	Labrador Tea Stems
E885680	-0.0018	3.02	1.74	1.06	0.97	0.46	480.6	-0.0018	-0.03	0.34	0.0072	0.01	0.13	6.69	0.39	1.3	2637	1.62	7/10/2018	Labrador Tea Stems
E885681	-0.0013	1.96	1.97	1.11	0.65	0.59	851.5	-0.0013	-0.02	0.4	0.0078	0.03	0.15	7.86	0.54	1.9	1306.5	0.55	7/10/2018	Labrador Tea Stems
E885682	-0.0013	1.56	1.59	0.89	0.45	0.45	287.3	-0.0013	-0.02	0.24	0.0065	0.02	0.11	5.86	0.58	1.25	1332.5	0.78	7/10/2018	Labrador Tea Stems
E885683	-0.0011	2.49	1.23	0.99	0.86	0.45	364.1	-0.0011	-0.02	0.3	0.0066	0.03	0.14	6.39	0.4	1.82	1446.5	0.63	7/10/2018	Labrador Tea Stems
E885684	-0.0016	1.72	1.12	0.92	0.59	0.3	1219.2	-0.0016	-0.03	0.28	0.0048	0.01	0.09	4.2	0.22	1.13	3312	1.32	7/10/2018	Labrador Tea Stems
E885685	-0.0016	1.6	1.04	1.36	0.44	0.54	1227.2	-0.0016	-0.03	0.49	0.008	0.04	0.19	8.51	0.35	1.98	3328	0.89	7/10/2018	Labrador Tea Stems
E885686	-0.0013	1.49	1.15	1.23	0.39	0.55	387.4	-0.0013	-0.02	0.44	0.0091	0.16	0.18	8.63	0.31	1.97	2119	0.29	7/10/2018	Labrador Tea Stems
E885687	-0.0014	1.55	0.86	0.99	0.47	0.47	793.8	-0.0014	-0.02	0.4	0.0056	0.03	0.15	6.27	0.25	1.51	1995	0.72	7/10/2018	Labrador Tea Stems
E885688	-0.0015	1.89	0.84	0.88	0.6	0.28	418.5	-0.0015	-0.03	0.26	0.006	0.01	0.11	4.77	0.19	1.19	1852.5	0.93	7/10/2018	Labrador Tea Stems
E885689	-0.0011	1.9	1.24	0.88	0.53	0.45	532.4	-0.0011	0.06	0.31	0.0055	0.05	0.13	5.73	0.33	1.62	913	0.7	7/10/2018	Labrador Tea Stems
E885690	-0.0011	2.11	1.35	0.74	0.32	0.52	343.2	-0.0011	-0.02	0.25	0.0044	0.33	0.11	4.89	0.37	1.61	1501.5	0.89	7/11/2018	Labrador Tea Stems
E885691	-0.001	1.78	1.25	0.71	0.37	0.54	446	-0.001	-0.02	0.29	0.005	0.14	0.12	4.85	0.32	1.28	1220	0.6	7/11/2018	Labrador Tea Stems
E885692	-0.0014	1.91	1.51	1.06	0.93	0.63	420	-0.0014	-0.02	0.39	0.007	0.17	0.16	7.01	0.42	1.65	1463	0.44	7/11/2018	Labrador Tea Stems
E885693	-0.0015	2.7	2.53	0.91	0.74	0.48	699	-0.0015	-0.03	0.32	0.006	0.28	0.15	6.72	0.33	1.6	2512.5	1.9	7/11/2018	Labrador Tea Stems
E885694	-0.001	1.71	2.32	0.67	0.44	0.44	297	-0.001	-0.02	0.25	0.005	0.18	0.11	5.22	0.43	1.43	1690	0.44	7/11/2018	Labrador Tea Stems
E885695	-0.0009	1.17	1.34	0.72	0.33	0.73	434.7	-0.0009	-0.01	0.27	0.0054	0.14	0.13	5.16	0.27	1.25	904.5	0.26	7/11/2018	Labrador Tea Stems
E885696	0.0026	2.32	1.43	0.94	0.88	0.5	483.6	-0.0013	-0.02	0.35	0.0065	0.09	0.14	6.51	0.27	1.74	1644.5	0.79	7/11/2018	Labrador Tea Stems
E885697	-0.0011	1.91	1.46	0.88	0.66	0.5	716.1	-0.0011	0.07	0.33	0.0066	0.25	0.16	7.06	0.26	1.63	793.1	0.58	7/11/2018	Labrador Tea Stems
E885698	-0.0015	1.84	2.94	1.08	1.26	0.61	753	-0.0015	-0.03	0.42	0.0075	0.79	0.18	7.89	0.34	1.95	1987.5	0.45	7/11/2018	Labrador Tea Stems
E885699	-0.0014	1.69	1.19	0.88	0.72	0.46	799.4	-0.0014	-0.02	0.36	0.007	0.26	0.13	5.79	0.29	1.38	1659	0.36	7/11/2018	Labrador Tea Stems
E885700	-0.0013	1.28	1.13	0.8	0.5	0.45	702	-0.0013	-0.02	0.34	0.0065	0.73	0.14	5.92	0.2	1.48	1397.5	0.7	7/11/2018	Labrador Tea Stems
E885704	-0.0011	2.16	1.71	0.63	0.49	0.88	433.4	-0.0011	-0.02	0.26	0.0055	0.06	0.1	4.79	0.96	1.03	1859	0.41	7/6/2018	Labrador Tea Stems
E885705	-0.0017	2.92	1.36	0.93	0.86	0.61	656.2	-0.0017	-0.03	0.34	0.0068	0.1	0.16	6.37	0.79	1.65	4335	2.17	7/6/2018	Labrador Tea Stems
E885706	-0.0014	1.9	1.37	1.05	1.16	0.68	711.2	-0.0014	0.11	0.4	0.007	0.51	0.17	8.14	0.72	2.2	1792	0.99	7/6/2018	Labrador Tea Stems
E885707	-0.0012	2.05	2.13	0.69	0.48	0.76	301.2	-0.0012	-0.02	0.34	0.0048	0.3	0.11	5.16	0.46	1.41	2166	0.72	7/6/2018	Labrador Tea Stems
E885708	-0.0012	1.82	1.26	0.85	0.51	0.5	229.8	-0.0012	-0.02	0.38	0.006	0.25	0.14	6.28	0.43	1.6	1494	1.08	7/6/2018	Labrador Tea Stems
E885709	-0.0011	2.05	1.76	0.81	0.67	0.45	312.4	-0.0011	0.09	0.32	0.0055	0.79	0.16	6.35	0.31	1.67	1875.5	1.28	7/6/2018	Labrador Tea Stems
E885710	-0.001	1.95	1.49	0.62	0.44	0.36	330	-0.001	-0.02	0.22	0.004	0.67	0.09	3.64	0.27	1.14	1335	0.8	7/6/2018	Labrador Tea Stems
E885711	-0.0009	1.87	1.35	0.73	0.63	0.46	375.3	-0.0009	-0.01	0.35	0.0054	0.75	0.15	5.95	0.35	1.79	1084.5	0.98	7/6/2018	Labrador Tea Stems
E885712	-0.0019	2.58	1.91	0.98	0.79	0.62	646	-0.0019	-0.03	0.37	0.0057	0.19	0.16	6.3	0.47	1.66	3277.5	3.05	7/6/2018	Labrador Tea Stems
E885713	-0.0015	2.49	3.73	0.97	0.98	0.73	559.5	-0.0015	-0.03	0.5	0.0075	0.57	0.24	8.28	0.4	2.54	2685	3.22	7/6/2018	Labrador Tea Stems
E885714	-0.0012	1.83	2.47	0.72	0.54	0.5	457.2	-0.0012	0.1	0.32	0.0048	0.33	0.13	5.65	0.4	1.45	1356	0.76	7/6/2018	Labrador Tea Stems
E885715	-0.0013	1.97	1.19	0.75	0.37	0.48	683.8	-0.0013	-0.02	0.33	0.0052	0.14	0.13	5.59	0.59	1.43	1482	1.57	7/6/2018	Labrador Tea Stems
E885716	-0.0014	2.14	1.86	1	0.8	0.6	553	-0.0014	-0.02	0.5	0.0084	0.27	0.17	7.72	0.3	2.18	2177	2.19	7/6/2018	Labrador Tea Stems
E885717	-0.0011	2.82	0.97	0.67	0.57	0.38	498.3	-0.0011	-0.02	0.21	0.0044	1.03	0.13	5.29	0.4	1.45	1551	1.58	7/6/2018	Labrador Tea Stems
E885718	-0.0009	2.45	1.11	0.71	1.14	0.37	383.4	-0.0009	-0.01	0.22	0.0054	0.01	0.12	5.3	0.24	1.2	1206	0.69	7/6/2018	Labrador Tea Stems
E885719	-0.0011	2.03	1	0.94	1.11	0.37	280.5	-0.0011	-0.02	0.39	0.0066	0.01	0.14	6.74	0.22	1.8	1325.5	0.67	7/6/2018	Labrador Tea Stems
E885720	-0.0007	1.12	0.67	0.49	0.7	0.22	205.1	-0.0007	-0.01	0.2	0.0035	0.0063	0.07	3.2	0.16	0.96	945	0.79	7/6/2018	Labrador Tea Stems
E885721	-0.0008	1.44	0.61	0.67	0.91	0.32	225.6	-0.0008	-0.01	0.3	0.0048	0.01	0.1	4.97	0.23	1.43	996	0.48	7/6/2018	Labrador Tea Stems
E885722	-0.001	1.48	0.72	0.73	0.77	0.34	363	-0.001	0.1	0.32	0.005	0.03	0.12	5.02	0.22	1.56	1495	0.7	7/6/2018	Labrador Tea Stems
E885723	0.0009	1.27	1.4	0.87	0.92	0.41	218.7	-0.0009	0.09	0.36	0.0063	0.02	0.13	6.03	0.25	2.45	1125	0.52	7/6/2018	Labrador Tea Stems
E885724	0.0012	1.62	1.21	0.96	0.91	0.43	352.8	-0.0012	-0.02	0.39	0.0072	0.03	0.15	6.74	0.24	2.02	1554	0.82	7/6/2018	Labrador Tea Stems
E885725	-0.0013	2.04	1.23	0.98	1.17	0.41	785.2	-0.0013	-0.02	0.37	0.0065	0.02	0.17	6.61	0.22	1.89	1677	1.92	7/6/2018	Labrador Tea Stems
E885726	-0.0012	1.9	0.73	0.72	0.92	0.34	394.8	-0.0012	-0.02	0.28	0.0048	0.05	0.11	4.84	0.19	1.23	1536	0.63	7/6/2018	Labrador Tea Stems
E885727	-0.0009	1.07	0.76	0.78	0.87	0.46	288	-0.0009	-0.01	0.33	0.0063	0.03	0.12	5.68	0.23	1.52	1156.5	0.34	7/6/2018	Labrador Tea Stems
E885728	-0.0012	1.62	0.56	0.55	0.92	0.32	436.8	-0.0012	-0.02	0.19	0.0036	0.03	0.07	3.4	0.61	1.29	1560	1.05	7/9/2018	Labrador Tea Stems
E885729	-0.0013	2.49	2.09	0.76	1.36	0.39	591.5	-0.0013	-0.02	0.27	0.0052	0.09	0.14	6.94	0.58	4.27	1365	0.71	7/9/2018	Labrador Tea Stems
E885730	-0.0013	2.56	0.97	1.1	1.23	0.5	573.3	-0.0013	-0.02	0.33	0.0078	0.01	0.18	8.08	0.54	2.32	1670.5	0.62	7/9/2018	Labrador Tea Stems
E885731	-0.0012	1.69	1.16	1.04	0.68	0.51	392.4	-0.0012	-0.02	0.4	0.0072	0.01	0.15	7.36	0.31	2.02	2460	0.62	7/9/2018	Labrador Tea Stems
E885732	-0.0012	1.35	1.22	0.86	0.62	0.45	690	-0.0012	-0.02	0.36	0.0072	0.04	0.13	5.79	0.38	1.62	2208	0.62	7/9/2018	Labrador Tea Stems
E885733	-0.0016	2.36	1.63	0.88	0.93	0.4	412.8	-0.0016	-0.03	0.28	0.0064	0.02	0.11	4.54	0.33	1.22	1920	1.13	7/9/2018	Labrador Tea Stems
E885734	-0.0012	1.8	0.85	0.96	0.78	0.43	319.2	-0.0012	-0.02	0.43	0.0072	0.05	0.16	6.51	0.43	1.91	1482	0.73	7/9/2018	Labrador Tea Stems
E885735	-0.0016	1.88	1.08	1.02	0.72	0.44	392	-0.0016	-0.03	0.41	0.008	0.05	0.15	6.22	0.38	1.68	1361.6	1.26	7/9/2018	Labrador Tea Stems
E885736	-0.0012	1.28	1.3	0.84	0.47	0.36	340.8	-0.0012	-0.02	0.36	0.006	0.03	0.13	5.48	0.31	1.75	1278	0.74	7/9/2018	Labrador Tea Stems
E885737	0.0034	1.97	1.39	1.49	0.68	0.62	450.5	-0.0017	-0.03	0.54	0.01	0.07	0.19	9.8	0.44	2.32	1654.1	0.88	7/9/2018	Labrador Tea Stems
E885738	-0.0015	2.13	1.12	1.21	0.83	0.48	435	-0.0015	-0.03	0.41	0.0075	0.03	0.16	8.46	0.36	1.92	1642.5	0.84	7/9/2018	Labrador Tea Stems
E885739	0.0016	2.11	1.74	1.21	1.36	0.54	672	-0.0016	-0.03	0.45	0.008	0.03	0.16	8.72	0.28	2.13	1920	1.04	7/9/2018	Labrador Tea Stems
E885740	0.001	2.23	0.96	1.03	0.71	0.5	617	-0.001	-0.02	0.31	0.007	0.06	0.16	7.99	0.29	2.28	436	0.41	7/9/2018	Labrador Tea Stems
E885741	-0.0009	1.58	0.75	0.95	0.63	0.53	401.4	-0.0009	-0.01	0.37	0.0072	0.02	0.17	8.29	0.31	2.27	798.3	0.26	7/9/2018	Labrador Tea Stems
E885742	-0.0013	1.53	0.83	0.84	0.91	0.4	291.2	-0.0013	-0.02	0.29	0.0052	0.01	0.12	5.65	0.37	1.49	1722.5	0.41	7/9/2018	Labrador Tea Stems
E885743	-0.0013	1.97	0.72	0.84	0.59	0.36	694.2	-0.0013	-0.02	0.31	0.0052	0.03	0.14	5.47	0.31	1.87	2704	1	7/9/2018	Labrador Tea Stems
E885744	0.0012	2.13	1.66	1.12	0.71	0.51	548.4	-0.0012	-0.02	0.39	0.006	0.02	0.17	7.98	0.42	2.5	1710	0.49	7/9/2018	Labrador Tea Stems
E885745	-0.0013	1.74	0.72	0.96	0.59	0.42	756.6	-0.0013	-0.02	0.32	0.0065	0.06	0.14	6.92	0.24	2.09	1794	0.31	7/9/2018	Labrador Tea Stems
E885748	-0.0015	1.6	0.88	1.24	0.57	0.51	901.5	-0.0015	-0.03	0.37	0.0075	0.02	0.16	7.56	0.91	1.73	2452.5	0.55	7/10/2018	Labrador Tea Stems
E885749	-0.0011	1.83	1.1	0.8	0.59	0.35	656.7	-0.0011	-0.02	0.28	0.0055	0.02	0.11	4.91	0.77	1.38	959.2	0.58	7/10/2018	Labrador Tea Stems
E885750	-0.0013	1.88	1.49	1.17	0.56	0.62	551.2	-0.0013	-0.02	0.49	0.0065	0.07	0.19	8.72	0.81	2.12	1755	0.68	7/10/2018	Labrador Tea Stems
E885801	-0.0013	1.23	0.7	0.66	0.46	0.55	885.3	-0.0013	-0.02	0.25	0.0039	0.33	0.1	4.74	0.18	1.05	1514.5	0.89	7/11/2018	Labrador Tea Stems
E885802	0.0009	0.94	0.92	0.56	0.28	0.34	834.3	-0.0009	-0.01	0.18	0.0036	0.63	0.09	4.22	0.17	0.98	1107	0.23	7/11/2018	Labrador Tea Stems
E885803	-0.0011	1.62	0.82	0.71	0.45	0.33	1116.5	-0.0011	-0.02	0.23	0.0044	0.1	0.11	5.2	0.17	1.94	1138.5	0.27	7/11/2018	Labrador Tea Stems
E885804	0.005	1.44	1.04	0.77	0.48	0.36	1015	-0.001	-0.02	0.25	0.005	0.3	0.12	5.51	0.4	1.6	855	0.5	7/11/2018	Labrador Tea Stems
E885805	-0.0014	1.48	1.45	0.63	0.53	0.33	711.2	-0.0014	-0.02	0.21	0.0042	0.36	0.09	3.92	0.19	1.04	1834	0.78	7/11/2018	Labrador Tea Stems
E885806	0.0012	1.14	1.2	0.82	0.64	0.43	668.4	-0.0012	-0.02	0.31	0.006	0.54	0.13	5.67	0.19	1.59	1404	0.56	7/11/2018	Labrador Tea Stems
E885807	-0.0011	1.21	0.88	0.7	0.54	0.41	910.8	-0.0011	-0.02	0.25	0.0044	0.1	0.12	4.88	0.23	1.44	990	0.17	7/11/2018	Labrador Tea Stems
E885808	-0.001	1.75	1.14	0.78	1.01	0.45	1100	-0.001	-0.02	0.29	0.005	0.3	0.16	7.09	0.21	1.63	1385	0.27	7/11/2018	Labrador Tea Stems
E885809	0.0011	1.51	1.07	0.86	0.7	0.52	1463	-0.0011	-0.02	0.35	0.0055	0.09	0.16	6.66	0.34	1.96	911.9	0.18	7/11/2018	Labrador Tea Stems
E885810	-0.0009	1.32	0.7	0.67	0.45	0.41	677.7	-0.0009	-0.01	0.26	0.0045	0.8	0.14	5.07	0.18	1.46	1156.5	0.23	7/11/2018	Labrador Tea Stems
E885811	0.0014	2.14	1.93	1.02	0.99	0.58	651	-0.0014	-0.02	0.41	0.007	0.05	0.16	8.02	0.61	2.07	2128	0.46	7/11/2018	Labrador Tea Stems
E885812	-0.001	1.53	1.53	0.71	0.53	0.42	430	-0.001	-0.02	0.3	0.005	0.24	0.12	5.65	0.4	1.41	2120	0.39	7/11/2018	Labrador Tea Stems
E885813	-0.0012	1.65	0.75	0.84	0.75	0.46	324	-0.0012	-0.02	0.31	0.006	0.36	0.13	6.15	0.16	1.51	1668	0.42	7/11/2018	Labrador Tea Stems
E885814	-0.0011	1.23	0.95	0.74	0.29	0.46	308	-0.0011	-0.02	0.28	0.0066	0.3	0.1	5.78	0.28	1.36	1622.5	0.31	7/13/2018	Labrador Tea Stems
E885815	0.0012	1.3	1.53	0.98	0.52	0.66	301.2	-0.0012	-0.02	0.44	0.0072	0.14	0.17	7.51	0.48	2.08	1878	0.18	7/13/2018	Labrador Tea Stems
E885816	0.001	1.17	1.4	0.96	0.62	0.56	216	-0.001	-0.02	0.41	0.008	0.13	0.15	7.2	0.32	1.62	1800	0.22	7/13/2018	Labrador Tea Stems
E885817	0.0011	1.47	1.01	0.74	0.37	0.48	325.6	-0.0011	-0.02	0.28	0.0055	0.26	0.12	5.33	0.42	1.25	1831.5	0.18	7/13/2018	Labrador Tea Stems
E885818	-0.0012	1.23	0.91	0.81	0.32	0.64	393.6	-0.0012	-0.02	0.29	0.006	0.56	0.12	5.47	0.25	1.42	1488	0.51	7/13/2018	Labrador Tea Stems
E885819	0.001	1.15	0.73	0.76	0.45	0.43	304	-0.001	-0.02	0.29	0.006	0.3	0.14	6.37	0.25	1.65	1230	0.27	7/13/2018	Labrador Tea Stems
E885820	0.0012	1.3	1.76	0.85	0.65	0.46	500.4	-0.0012	-0.02	0.38	0.006	0.27	0.13	6.13	0.24	1.69	1488	0.9	7/13/2018	Labrador Tea Stems
E885821	0.0012	1.47	1.46	0.74	0.45	0.42	438	-0.0012	-0.02	0.27	0.0048	0.64	0.1	4.78	0.19	1.37	1752	0.36	7/13/2018	Labrador Tea Stems
E885822	-0.0011	1.24	0.86	0.68	0.39	0.45	338.8	-0.0011	-0.02	0.27	0.0055	1.93	0.11	5.46	0.3	1.32	1908.5	0.89	7/13/2018	Labrador Tea Stems
E885823	-0.0011	1.66	1.58	0.93	0.59	0.35	330	-0.0011	-0.02	0.31	0.0055	1.14	0.11	5.89	0.24	1.8	1413.5	0.42	7/13/2018	Labrador Tea Stems
E885824	-0.001	1.29	0.74	0.69	0.71	0.32	439	-0.001	-0.02	0.22	0.004	0.37	0.08	3.83	0.23	1.05	1035	0.97	7/13/2018	Labrador Tea Stems
E885825	-0.0014	2.01	1.65	0.91	0.95	0.39	481.6	-0.0014	-0.02	0.34	0.0056	0.64	0.11	6.63	0.32	1.47	1533	1.97	7/13/2018	Labrador Tea Stems
E885826	-0.0014	1.84	1.34	0.96	0.73	0.47	422.8	-0.0014	-0.02	0.37	0.0056	0.5	0.13	7.77	0.39	1.65	1367.8	1.37	7/13/2018	Labrador Tea Stems
E885827	0.0013	2.43	0.88	0.84	0.82	0.37	427.7	-0.0013	-0.02	0.23	0.0052	0.5	0.1	4.49	0.36	1.12	1319.5	0.88	7/13/2018	Labrador Tea Stems
E885828	-0.0011	1.55	0.69	0.81	0.76	0.39	437.8	-0.0011	-0.02	0.28	0.0066	0.13	0.1	5.34	0.2	1.51	977.9	0.96	7/13/2018	Labrador Tea Stems
E885829	-0.0009	1.75	0.83	0.64	1.19	0.36	268.2	-0.0009	-0.01	0.18	0.0045	0.16	0.1	4.29	0.2	1.36	949.5	0.57	7/13/2018	Labrador Tea Stems
E885830	0.0011	1.95	0.75	1.32	1.74	0.62	504.9	-0.0011	-0.02	0.32	0.0077	0.04	0.16	8.65	0.2	1.95	1075.8	0.52	7/13/2018	Labrador Tea Stems
E885831	-0.0014	2.24	0.98	1.17	1.35	0.51	355.6	-0.0014	-0.02	0.36	0.007	0.18	0.16	6.31	0.29	1.67	1806	0.51	7/13/2018	Labrador Tea Stems
E885832	-0.0012	1.93	0.66	0.79	0.79	0.42	374.4	-0.0012	-0.02	0.27	0.0048	0.03	0.11	4.62	0.14	1.44	1518	1.11	7/13/2018	Labrador Tea Stems

2018 NCGB Claim Group Biogeochemical Orientation Survey Samples

UTM Nad 1983 Zone

| Sample ID | UTM E | UTM N | Claim ID | SampleType | Ash Weight | Ash Assay-Method | Certificate | Au ppm | Au_Det | Au_Rep | Au_Pulp | Ag ppm | Ag_Det | Ag_Rep | Be ppm | Be_Det | Be_Rep | Cd ppm | Cd_Det | Cd_Rep | Co ppm | Co_Det | Co_Rep | Cu ppm | Cu_Det | Cu_Rep | Fe pct | Fe_Det | Fe_Rep | Ga ppm | Ga_Det | Ga_Rep | Hf ppm | Hf_Det | Hf_Rep | Hg ppm | In ppm | K pct | La ppm | La_Det | La_Rep | Li ppm | Li_Det | Li_Rep | Mg pct | Mg_Det | Mg_Rep | Mn ppm | Mn_Det | Mn_Rep | Mo ppm | Mo_Det | Mo_Rep | Na pct | Na_Det | Na_Rep | Nb ppm | Nb_Det | Nb_Rep | Ni ppm | Ni_Det | Ni_Rep | Pb ppm | Pb_Det | Pb_Rep | Pd ppm | Pt ppm | Rb ppm | Rb_Det | Rb_Rep | S pct | S_Det | S_Rep | Sb ppm | Sc ppm | Sc_Det | Sc_Rep | Se ppm | Sr ppm | Sr_Det | Sr_Rep | Ta ppm | Te ppm | Th ppm | Th_Det | Th_Rep | Ti pct | Ti_Det | Ti_Rep | Tl ppm | U ppm | U_Det | U_Rep | V ppm | V_Det | V_Rep | W ppm | Y ppm | Y_Det | Y_Rep | Zn ppm | Zn_Det | Zn_Rep | Zr ppm | Zr_Det | Zr_Rep | Date Sampled | Plant Sampled |
|---|---|---

Appendix X - Assay Certificates

Activation Laboratories, Lithogeochemical
ALS Canada Ltd., Biogeochemical

Quality Analysis ... *Innovative Technologies*

Date Submitted: 02-Aug-18
Invoice No.: A18-10265
Invoice Date: 10-Sep-18
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

59 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A18-10265**

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

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 02-Aug-18
Invoice No.: A18-10265
Invoice Date: 10-Sep-18
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

59 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4 Total Digestion ICP/MS

REPORT **A18-10265**

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

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
[redacted]																							
E885751	0.008	< 20	17.9	2.45	3.33	8.02	0.16	4.45	0.1	190	360	1140	7.55	0.5	68.7	2.0	0.2	0.7	10	0.06	0.41	37.2	0.60
E885752	0.006	< 20	13.3	0.74	2.79	8.63	0.02	7.70	0.1	260	294	1600	8.86	0.8	144	2.5	0.3	0.8	30	< 0.05	0.08	48.9	1.00
E885753	0.005	< 20	32.2	1.32	4.11	8.30	0.81	1.19	< 0.1	225	264	1230	8.83	1.1	132	2.1	0.3	0.7	20	< 0.05	0.81	41.5	0.60
E885754	1.67	< 20	3.6	0.11	1.13	1.63	0.10	3.04	0.4	28	18	2610	7.59	1.0	15.7	1.3	0.4	0.4	30	0.21	0.10	8.2	0.70
E885755	0.009	30	15.2	1.63	4.49	8.02	0.07	7.24	0.1	231	260	1520	9.01	0.8	129	2.3	0.4	0.9	10	0.06	0.15	47.8	0.80
E885756	< 0.005	< 20	14.7	1.45	4.30	7.88	0.06	7.40	0.1	225	174	1490	8.52	0.8	126	2.4	0.4	0.7	< 10	0.05	0.13	45.3	0.70
E885757	0.005	< 20	20.1	1.56	3.62	7.86	0.05	5.76	< 0.1	212	194	1400	8.28	0.6	136	2.2	0.2	0.8	10	< 0.05	0.06	45.1	0.70
E885758	< 0.005	< 20	27.7	> 3.00	0.35	8.25	0.93	2.28	< 0.1	23	11	211	1.87	3.0	4.2	0.2	0.8	0.1	< 10	0.12	0.86	5.4	0.50
[redacted]																							
E885632	0.012	< 20	28.8	0.52	4.83	6.03	0.41	7.04	0.2	158	1870	4670	13.3	0.7	512	1.2	0.9	0.3	< 10	0.10	0.75	86.2	0.50
E885633	0.005	< 20	7.8	0.40	8.91	3.62	0.08	8.35	0.1	182	1500	1630	9.96	1.2	543	1.1	0.3	0.4	20	0.12	0.16	77.3	0.50

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
E885634	< 0.005	< 20	106	0.88	1.49	8.53	1.49	0.69	< 0.1	368	277	1420	8.40	1.7	106	1.7	0.6	0.5	10	0.12	1.85	41.1	0.80
E885635	0.017	< 20	8.3	2.81	2.64	8.13	0.40	5.78	< 0.1	315	10	1920	12.8	3.8	3.8	5.6	0.8	1.7	< 10	0.38	0.54	19.9	1.10
E885636	0.030	50	10.4	0.02	0.24	0.56	0.10	0.09	< 0.1	13	262	202	3.00	0.7	44.6	0.2	0.1	0.1	200	0.33	0.65	23.0	0.10
E885637	< 0.005	30	0.5	< 0.01	0.85	0.03	0.01	0.05	< 0.1	2	10	1610	10.7	< 0.1	7.7	0.1	0.4	< 0.1	1620	0.06	0.10	1.2	0.10
E885638	0.029	< 20	5.5	0.03	0.70	0.93	0.12	0.50	< 0.1	19	632	1350	5.58	0.8	77.3	0.3	0.3	0.1	1640	0.20	1.04	31.9	0.10
E885639	0.006	< 20	10.1	0.42	1.55	6.87	0.03	0.72	< 0.1	197	108	1750	6.39	1.0	32.0	1.4	0.2	0.4	10	0.10	0.19	17.7	0.30
E885640	< 0.005	20	5.8	0.06	0.02	0.22	0.08	0.02	< 0.1	3	12	61	0.57	0.7	1.3	0.2	0.1	0.1	20	< 0.05	0.16	0.5	0.10
E885641	0.006	< 20	41.7	0.25	1.89	8.36	0.61	2.55	0.1	370	144	2770	11.9	1.9	173	2.3	0.3	0.8	20	0.17	8.52	68.2	0.80
E885642	0.026	< 20	17.0	0.03	0.46	0.91	0.16	0.24	< 0.1	24	242	341	2.68	0.9	42.8	0.2	0.1	0.1	320	0.18	0.72	28.7	0.10
E885643	0.017	< 20	47.8	0.07	0.91	2.73	0.36	0.42	0.1	71	568	1010	3.62	1.5	74.5	0.5	0.3	0.2	110	0.09	1.25	18.5	0.20
E885644	< 0.005	< 20	86.2	0.17	2.26	7.66	2.03	3.69	0.2	181	16	1330	8.39	4.3	26.9	2.6	1.3	0.8	50	0.09	3.29	43.7	1.00
E885645	0.028	< 20	43.5	0.44	2.22	6.18	1.05	4.66	0.1	90	373	1400	1.38	1.2	156	0.9	0.3	0.3	50	0.47	3.06	39.9	0.40
E885833	< 0.005	< 20	17.2	2.50	1.61	7.25	0.81	4.67	0.1	72	22	2340	11.8	2.3	83.3	2.2	1.3	0.8	30	0.10	0.58	57.6	1.20
E885834	< 0.005	< 20	5.7	2.69	0.05	6.99	2.40	1.18	< 0.1	4	7	91	0.72	1.6	2.6	0.1	0.7	< 0.1	20	< 0.05	0.43	1.7	0.70
E885835	< 0.005	< 20	3.1	1.74	0.03	6.82	3.75	0.30	< 0.1	3	6	67	0.78	2.3	< 0.5	1.4	1.2	0.4	< 10	0.05	1.00	0.7	0.30
E881963	< 0.005	< 20	8.9	1.55	4.21	7.60	0.16	7.81	0.2	276	165	1700	9.41	0.5	124	2.5	0.3	0.8	20	0.31	0.09	49.4	0.80
GXR-4 Meas		< 20	11.5	0.53	1.62	7.02	4.42	0.99	0.2	86	40	151	3.04	1.3	39.0		2.0		< 10	3.94	2.49	14.7	1.20
GXR-4 Cert		4.50	11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	42.0		1.90		110	4.00	2.80	14.6	1.63
GXR-4 Meas		< 20	10.7	0.51	1.58	6.68	4.44	0.92	0.3	86	49	139	2.99	1.3	39.4		2.0		< 10	3.75	2.33	14.7	1.20
GXR-4 Cert		4.50	11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	42.0		1.90		110	4.00	2.80	14.6	1.63
SDC-1 Meas		< 20	36.3	1.57	0.96	8.40	1.46	0.97		45	43	848	4.68	0.7	34.9	3.5	3.0	1.1	< 10		3.45	17.6	1.40
SDC-1 Cert		13.00	34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	38.0	4.10	3.00	1.50	200.00		4.00	18.0	1.70
SDC-1 Meas		< 20	36.5	1.63	0.99	8.79	1.84	1.05		53	54	925	4.97	1.1	36.5	3.7	2.9	1.2	30		3.65	18.8	1.50
SDC-1 Cert		13.00	34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	38.0	4.10	3.00	1.50	200.00		4.00	18.0	1.70
GXR-6 Meas		< 20	33.5	0.09	0.56	> 10.0	1.57	0.15	< 0.1	122	58	1020	5.45	2.0	22.5		1.1		40	0.32	3.60	13.1	0.60
GXR-6 Cert		9.80	32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	27.0		1.40		68.0	1.30	4.20	13.8	0.760
OREAS 97 (4 Acid) Meas																				20.3		65.0	
OREAS 97 (4 Acid) Cert																				19.6		62.9	
OREAS 97 (4 Acid) Meas																				21.3		69.0	
OREAS 97 (4 Acid) Cert																				19.6		62.9	
OREAS 98 (4 Acid) Meas																				48.6		124	
OREAS 98 (4 Acid) Cert																				45.1		121	
OREAS 98 (4 Acid) Meas																				47.4		128	
OREAS 98 (4 Acid) Cert																				45.1		121	
DNC-1a Meas			5.2							154	165				275							57.9	0.50
DNC-1a Cert			5.2							148	270				247							57	0.59
DNC-1a Meas			5.0							153	172				280							59.4	0.50

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
DNC-1a Cert			5.2							148	270				247							57	0.59
SBC-1 Meas			171						0.3	218	89			3.4	86.5	3.5	3.4	1.1			7.05	22.5	1.70
SBC-1 Cert			163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40			8.2	22.7	1.98
SBC-1 Meas			169						0.4	219	90			3.4	85.3	3.4	3.2	1.1			6.91	22.5	1.70
SBC-1 Cert			163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40			8.2	22.7	1.98
OREAS 45d (4-Acid) Meas			22.5	0.10	0.24	8.09	0.46	0.17		102	543	487	14.6	2.2	239	1.4	0.8	0.4			3.48	30.6	0.50
OREAS 45d (4-Acid) Cert			21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830	231.0	1.38	0.79	0.46			3.910	29.50	0.57
OREAS 45d (4-Acid) Meas			20.5	0.10	0.22	7.72	0.44	0.17		128	548	464	13.5	2.3	232	1.3	0.8	0.4			3.14	29.2	0.50
OREAS 45d (4-Acid) Cert			21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830	231.0	1.38	0.79	0.46			3.910	29.50	0.57
OREAS 220 (Fire Assay) Meas	0.855																						
OREAS 220 (Fire Assay) Cert	0.866																						
OREAS 220 (Fire Assay) Meas	0.879																						
OREAS 220 (Fire Assay) Cert	0.866																						
OREAS 220 (Fire Assay) Meas	0.850																						
OREAS 220 (Fire Assay) Cert	0.866																						
OREAS 96 (4 Acid) Meas																				12.0		50.1	
OREAS 96 (4 Acid) Cert																				11.5		49.9	
OREAS 96 (4 Acid) Meas																				12.5		53.1	
OREAS 96 (4 Acid) Cert																				11.5		49.9	
OREAS 209 (Fire Assay) Meas	1.53																						
OREAS 209 (Fire Assay) Cert	1.58																						
OREAS 209 (Fire Assay) Meas	1.57																						
OREAS 209 (Fire Assay) Cert	1.58																						
E885701 Orig	0.005																						
E885701 Dup	< 0.005																						
E885608 Orig		< 20	68.2	0.09	2.25	7.93	1.08	0.81	0.5	266	486	8310	11.4	1.6	113	2.1	0.3	0.7	< 10	0.65	4.78	46.0	0.50
E885608 Dup		< 20	67.8	0.09	2.31	7.82	1.21	0.81	0.4	268	467	8320	11.4	1.6	116	2.1	0.3	0.7	< 10	0.63	4.79	46.9	0.50
E885611 Orig	0.026																						
E885611 Dup	0.027																						

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
E885613 Orig		< 20	33.0	0.19	1.11	7.50	2.04	2.06	0.1	28	71	1160	3.31	3.0	75.8	0.3	0.7	0.1	< 10	4.51	4.95	15.6	0.50
E885613 Dup		< 20	32.7	0.19	1.11	7.43	1.79	2.06	0.1	28	63	1200	3.37	3.3	76.7	0.3	0.6	0.1	50	4.67	5.09	16.3	0.50
E885622 Orig	0.027																						
E885622 Dup	0.021																						
E885631 Orig	< 0.005																						
E885631 Dup	< 0.005																						
E885640 Orig	< 0.005	20	5.8	0.06	0.02	0.22	0.08	0.02	< 0.1	3	12	61	0.57	0.7	1.3	0.2	0.1	0.1	20	< 0.05	0.16	0.5	0.10
E885640 Dup	< 0.005	< 20	5.7	0.06	0.02	0.22	0.08	0.02	< 0.1	3	12	65	0.56	0.7	1.3	0.2	0.1	0.1	20	< 0.05	0.17	0.6	0.10
E885641 Orig	0.006	< 20	40.7	0.24	1.83	8.30	0.60	2.51	< 0.1	359	140	2720	11.7	1.8	170	2.3	0.3	0.8	20	0.17	8.11	66.8	0.75
E885641 Split	0.007	< 20	42.8	0.25	1.96	8.67	0.64	2.64	< 0.1	347	152	2920	12.5	1.8	180	2.3	0.4	0.7	< 10	0.17	8.34	70.9	0.80
E885641 Orig		< 20	41.7	0.25	1.89	8.36	0.61	2.55	0.1	370	144	2770	11.9	1.9	173	2.3	0.3	0.8	20	0.17	8.52	68.2	0.80
E885641 Dup		< 20	39.7	0.23	1.78	8.24	0.59	2.46	< 0.1	348	136	2680	11.6	1.8	167	2.2	0.3	0.7	20	0.17	7.70	65.4	0.70
E885833 Orig	< 0.005																						
E885833 Dup	< 0.005																						
Method Blank		20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	4	1	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	40	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		20	< 0.5	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.1	1	5	1	0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	20	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		30	< 0.5	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.1	1	4	7	< 0.01	< 0.1	< 0.5	< 0.1	0.1	< 0.1	20	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		30	< 0.5	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.1	1	4	2	0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	40	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		30	< 0.5	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.1	1	6	1	0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	10	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		20	< 0.5	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.1	1	5	3	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	50	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885701	0.09	0.3	88.4	20.8	0.5	57.2	12.5	116	0.5	0.19	< 0.1	< 1	< 0.1	< 0.1	556	20.1	47.4	5.3	22.2	4.9	3.6	0.4	2.5
E885702	0.15	0.4	21.6	22.9	3.3	58.9	5.3	77	5.2	1.96	< 0.1	< 1	0.2	< 0.1	895	1.9	7.1	0.8	4.0	1.1	1.4	0.2	1.1
E885703	0.09	0.2	5.4	21.3	1.6	80.5	8.8	20	4.6	0.25	< 0.1	< 1	0.1	< 0.1	418	0.7	1.2	0.1	0.5	0.4	0.6	0.1	1.2
E885751	0.05	0.5	83.7	15.6	0.3	6.5	17.9	17	0.1	0.16	< 0.1	< 1	< 0.1	< 0.1	35	2.4	6.9	1.1	5.7	1.8	2.7	0.5	3.0
E885752	0.05	0.5	99.7	19.6	5.1	0.2	21.1	24	0.3	0.16	< 0.1	< 1	0.1	< 0.1	11	3.7	10.0	1.4	7.4	2.3	3.3	0.5	3.5
E885753	0.05	0.4	97.7	18.8	1.7	24.9	18.1	38	0.2	0.10	< 0.1	< 1	< 0.1	< 0.1	187	2.0	5.9	1.0	4.7	2.0	2.6	0.5	3.0
E885754	0.11	2.8	110	6.0	11.1	3.1	12.5	42	2.2	1.38	< 0.1	< 1	0.3	0.2	12	11.1	21.0	2.3	9.4	1.8	2.0	0.2	1.6
E885755	0.05	0.5	137	16.9	0.3	1.5	21.1	23	0.2	0.14	< 0.1	< 1	< 0.1	< 0.1	23	3.3	9.3	1.4	7.3	2.2	3.2	0.6	3.7
E885756	0.05	0.6	102	16.1	< 0.1	1.2	19.4	24	0.3	0.12	< 0.1	< 1	0.1	< 0.1	19	3.1	8.6	1.3	6.7	2.2	3.0	0.5	3.4
E885757	0.04	0.6	94.7	17.2	0.5	0.8	19.9	19	0.1	0.09	< 0.1	< 1	< 0.1	< 0.1	18	3.0	8.4	1.3	6.7	2.3	2.9	0.5	3.2
E885758	0.08	0.3	43.1	18.5	1.9	30.0	2.4	117	2.8	0.23	< 0.1	< 1	< 0.1	< 0.1	360	21.1	36.8	3.4	10.9	1.4	1.0	0.1	0.4
E885601	0.07	0.5	41.3	20.3	0.5	0.9	37.4	75	0.4	0.08	< 0.1	< 1	< 0.1	< 0.1	39	2.2	6.3	1.0	5.3	2.8	4.9	0.9	6.1
E885602	0.09	0.7	105	12.3	2.3	6.7	13.9	39	1.8	0.36	< 0.1	< 1	1.4	< 0.1	181	5.1	10.4	1.2	5.3	1.5	1.9	0.3	2.4
E885603	0.21	1.1	54.8	19.5	21.9	51.6	20.7	50	0.4	0.21	< 0.1	< 1	0.2	< 0.1	130	4.9	12.3	1.6	8.5	2.7	3.2	0.6	3.5
E885605	0.07	0.6	97.0	20.6	0.1	7.1	21.9	47	0.4	0.13	< 0.1	< 1	< 0.1	< 0.1	71	5.2	13.3	1.9	9.3	2.9	3.4	0.6	3.8
E885606	0.34	0.9	102	16.9	2.1	12.5	17.6	42	1.0	0.16	< 0.1	< 1	< 0.1	< 0.1	55	2.1	5.9	0.9	4.8	1.4	2.3	0.4	3.0

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885607	0.80	0.2	95.4	0.6	111	0.3	4.0	2	< 0.1	0.35	< 0.1	< 1	1.5	< 0.1	2	1.2	2.0	0.2	1.0	0.3	0.4	0.1	0.4
E885608	0.16	0.6	124	14.8	26.7	60.1	18.1	61	2.6	0.47	< 0.1	< 1	0.7	< 0.1	136	4.7	9.7	1.1	4.8	1.3	2.2	0.4	3.1
E885609	0.31	0.5	2920	16.8	25.7	46.0	21.3	82	3.8	1.29	0.1	4	1.3	< 0.1	258	8.7	17.4	2.0	7.9	2.2	3.0	0.5	3.1
E885610	7.90	19.7	6260	14.0	340	39.9	15.5	74	3.8	8.16	3.1	17	31.1	0.1	78	11.4	24.6	3.3	13.2	3.7	2.9	0.5	2.5
E885611	2.50	0.6	> 10000	1.6	169	2.7	2.4	5	0.2	0.52	0.8	< 1	1.4	< 0.1	19	0.5	0.8	0.1	0.5	0.2	0.2	< 0.1	0.2
E885612	0.10	0.3	82.2	13.7	2.5	4.5	14.9	49	2.4	0.50	< 0.1	< 1	0.5	< 0.1	65	3.1	7.3	0.8	4.2	1.5	2.1	0.4	2.6
E885613	0.24	0.3	47.0	19.5	24.9	67.8	3.6	129	4.3	0.74	< 0.1	< 1	2.3	< 0.1	812	24.1	41.7	3.9	13.0	2.0	1.3	0.1	0.6
E885614	5.25	0.9	5200	7.9	219	34.1	7.7	58	3.8	1.48	0.7	3	7.6	< 0.1	67	8.9	16.6	1.7	5.8	1.1	1.1	0.2	1.0
E885615	9.94	0.3	2340	0.7	1390	0.7	5.9	5	0.1	0.39	0.3	2	29.8	0.1	3	1.8	2.5	0.3	1.1	0.2	0.6	0.1	0.7
E885616	0.20	0.7	160	13.7	7.3	36.1	20.3	56	2.3	0.30	< 0.1	< 1	2.6	< 0.1	185	6.9	14.5	1.7	7.6	1.7	2.9	0.5	3.4
E885617	0.09	0.3	315	1.1	1460	2.7	26.9	6	0.2	0.22	< 0.1	< 1	23.3	< 0.1	13	9.4	12.1	1.3	5.6	1.4	1.5	0.2	1.7
E885618	0.13	0.4	80.3	15.3	12.8	5.2	14.1	72	1.8	0.50	< 0.1	< 1	0.9	< 0.1	123	6.4	13.4	1.4	6.0	1.4	1.8	0.3	2.2
E885619	0.08	0.4	248	14.8	1.2	3.1	13.7	55	2.1	0.44	< 0.1	< 1	0.3	< 0.1	69	2.9	7.6	0.9	4.6	1.8	2.2	0.3	2.2
E885620	0.05	0.3	4.2	0.7	1.2	2.1	1.3	22	0.6	0.30	< 0.1	< 1	0.2	< 0.1	19	1.8	3.4	0.4	1.5	0.2	0.2	< 0.1	0.2
E885621	0.41	0.7	130	17.3	27.2	23.8	16.1	55	1.8	0.28	< 0.1	< 1	0.2	< 0.1	163	5.5	11.5	1.4	6.5	1.9	2.3	0.4	2.7
E885622	0.27	0.7	134	18.0	7.9	40.5	16.4	45	0.2	0.15	< 0.1	< 1	< 0.1	< 0.1	107	3.9	10.3	1.4	7.3	2.0	2.9	0.5	3.0
E885623	0.31	0.4	54.6	7.9	132	22.9	4.1	43	1.4	2.44	< 0.1	< 1	1.3	< 0.1	70	5.0	9.8	1.0	3.9	0.9	0.8	0.1	0.7
E885624	0.21	0.3	350	10.4	52.7	35.0	26.5	41	1.5	0.52	< 0.1	< 1	2.7	< 0.1	85	3.7	7.4	0.8	4.0	1.1	2.0	0.4	3.3
E885625	0.06	0.4	22.3	3.0	26.8	5.8	21.1	17	0.7	0.50	< 0.1	< 1	0.4	< 0.1	10	1.0	2.1	0.2	1.6	1.0	1.8	0.4	3.0
E885626	0.07	0.6	181	36.9	< 0.1	103	61.1	709	26.2	1.09	< 0.1	3	0.9	< 0.1	338	90.2	184	19.9	77.0	17.1	14.4	2.0	11.5
E885627	1.03	1.0	234	3.0	11.7	3.6	6.9	13	0.5	0.42	< 0.1	< 1	1.5	0.2	9	1.4	3.1	0.3	1.5	0.4	0.9	0.1	1.1
E885628	0.07	0.5	186	20.2	< 0.1	7.8	23.2	58	0.1	0.10	< 0.1	< 1	< 0.1	< 0.1	141	4.5	12.1	1.7	8.6	2.2	3.5	0.5	3.6
E885629	0.69	0.4	72.9	9.0	2.3	27.7	12.6	200	10.5	0.65	< 0.1	1	1.7	< 0.1	98	15.3	33.2	3.5	13.6	3.2	2.5	0.3	1.7
E885630	7.72	19.0	6190	13.6	330	38.8	15.6	75	3.7	7.93	2.8	17	34.5	0.2	75	11.1	24.2	3.2	13.0	3.3	2.8	0.4	2.4
E885631	0.10	0.5	82.2	19.9	3.6	29.8	9.8	78	8.6	0.53	< 0.1	< 1	0.4	< 0.1	61	33.1	60.3	5.5	19.2	3.3	2.8	0.3	1.8
E885632	0.90	0.6	177	12.2	18.0	13.0	9.6	28	1.2	0.31	< 0.1	< 1	0.8	0.2	61	2.6	5.9	0.7	3.2	0.8	1.2	0.2	1.7
E885633	0.35	0.6	103	10.1	1.4	0.6	10.1	44	1.9	0.15	< 0.1	< 1	0.2	< 0.1	11	1.6	5.1	0.9	4.5	1.5	1.9	0.3	1.8
E885634	0.08	1.9	149	17.9	1.1	30.4	13.1	63	2.1	0.36	0.1	1	< 0.1	< 0.1	249	5.6	14.0	1.8	9.2	2.2	2.6	0.4	2.4
E885635	1.02	5.0	105	21.9	< 0.1	5.4	45.5	147	3.6	0.43	< 0.1	< 1	< 0.1	< 0.1	66	11.2	27.1	2.9	11.1	3.0	5.3	1.0	7.6
E885636	1.40	1.2	32.0	1.6	11.5	4.4	1.7	27	0.4	2.68	< 0.1	< 1	0.8	0.2	18	1.5	3.1	0.3	1.5	0.1	0.3	< 0.1	0.2
E885637	0.14	0.3	26.5	0.6	12.7	0.5	1.4	1	< 0.1	0.21	< 0.1	< 1	4.1	< 0.1	16	0.5	0.9	0.1	0.4	0.1	0.1	< 0.1	0.1
E885638	0.61	1.1	39.1	2.5	6.6	7.0	2.9	29	1.0	2.96	< 0.1	< 1	1.4	0.1	64	1.9	3.7	0.4	1.6	0.4	0.4	0.1	0.4
E885639	0.38	0.9	29.0	14.9	1.6	0.8	10.7	36	0.1	0.15	< 0.1	< 1	< 0.1	< 0.1	2	1.4	3.3	0.4	1.7	0.7	1.2	0.2	1.6
E885640	0.05	0.3	6.4	0.8	1.6	2.9	1.9	21	0.6	0.33	< 0.1	< 1	0.2	< 0.1	19	2.8	5.9	0.7	2.4	0.5	0.3	0.1	0.3
E885641	0.18	1.0	109	19.8	19.7	26.2	17.6	72	3.1	0.44	< 0.1	< 1	0.1	< 0.1	75	4.9	13.1	1.8	9.0	2.4	3.4	0.5	3.8
E885642	1.67	0.8	43.6	2.7	12.9	8.4	2.2	35	0.7	2.37	< 0.1	< 1	0.6	0.1	39	1.8	3.4	0.4	1.5	0.3	0.2	< 0.1	0.4
E885643	0.50	0.6	78.4	7.2	14.4	15.8	4.5	58	2.9	4.38	< 0.1	< 1	0.9	< 0.1	72	3.5	7.4	0.8	3.2	0.7	0.6	0.1	0.7
E885644	0.29	0.7	159	23.2	4.2	61.5	21.8	168	0.6	0.60	< 0.1	< 1	< 0.1	< 0.1	728	20.7	43.4	4.8	20.6	3.5	4.3	0.6	3.9
E885645	0.24	0.3	99.7	15.8	489	28.5	7.6	49	0.1	0.14	< 0.1	< 1	0.9	< 0.1	701	10.7	19.7	2.1	7.6	1.7	1.3	0.2	1.2
E885833	0.26	0.5	154	20.7	0.8	26.2	19.4	96	0.4	0.26	< 0.1	< 1	< 0.1	< 0.1	179	16.7	40.9	5.1	23.0	4.6	4.3	0.6	3.9
E885834	0.06	0.4	6.8	18.0	1.0	55.9	1.2	36	0.8	0.85	< 0.1	< 1	< 0.1	< 0.1	1050	3.0	4.2	0.4	1.3	0.5	0.2	< 0.1	0.1
E885835	0.07	0.3	7.6	17.0	0.8	140	10.7	41	5.3	0.32	< 0.1	< 1	< 0.1	< 0.1	178	2.4	5.3	0.6	2.8	0.8	1.6	0.3	1.9
E881963	0.07	0.6	104	17.9	< 0.1	1.2	20.7	11	1.3	0.17	< 0.1	< 1	< 0.1	< 0.1	26	3.0	8.4	1.3	6.7	2.3	3.1	0.5	3.6

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
GXR-4 Meas	19.5	6.2	71.3	19.4	102	153	13.2	47	9.4	315	0.3	8	4.4	0.9	237	55.3	108		39.9	6.4	4.8	0.5	2.6
GXR-4 Cert	19.0	5.60	73.0	20.0	98.0	160	14.0	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
GXR-4 Meas	18.1	6.2	69.3	18.1	101	149	12.9	46	9.2	316	0.2	7	4.2	0.9	206	56.5	109		40.6	6.1	4.5	0.5	2.5
GXR-4 Cert	19.0	5.60	73.0	20.0	98.0	160	14.0	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
SDC-1 Meas			105	25.0	< 0.1	60.3		23	0.1			< 1	< 0.1		605	38.1	85.0		38.6	7.1	6.9	1.0	5.6
SDC-1 Cert			103.00	21.00	0.220	127.00		290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
SDC-1 Meas			112	24.5	< 0.1	78.2		37	0.6			< 1	< 0.1		662	41.0	90.5		40.8	8.7	7.3	1.0	5.8
SDC-1 Cert			103.00	21.00	0.220	127.00		290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
GXR-6 Meas	0.20	0.8	129	35.1	237	63.6	12.2	71	0.1	0.73	< 0.1	< 1	0.5	< 0.1	1220	12.2	33.0		11.9	2.5	2.3	0.3	2.1
GXR-6 Cert	0.290	0.940	118	35.0	330	90.0	14.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80
OREAS 97 (4 Acid) Meas	41.3	72.8	604									98	6.8										
OREAS 97 (4 Acid) Cert	40.1	71.4	646									95.7	9.23										
OREAS 97 (4 Acid) Meas	41.0	71.2	637									103	6.8										
OREAS 97 (4 Acid) Cert	40.1	71.4	646									95.7	9.23										
OREAS 98 (4 Acid) Meas	97.2	173	1320									> 200	11.3										
OREAS 98 (4 Acid) Cert	97.2	158	1360									206	20.1										
OREAS 98 (4 Acid) Meas	94.5	161	1340									> 200	7.4										
OREAS 98 (4 Acid) Cert	97.2	158	1360									206	20.1										
DNC-1a Meas			70.9	14.9		3.3	15.6	39	1.5				0.8		101	3.4			4.8				
DNC-1a Cert			70	15		5	18.0	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas			69.7	14.8		3.4	15.3	37	1.4				0.7		101	3.4			4.8				
DNC-1a Cert			70	15		5	18.0	38.0	3				0.96		118	3.6			5.20				
SBC-1 Meas	0.74		199	30.7	25.4	113	30.2	122	13.5	2.19		4	0.9		709	47.5	106	12.0	46.1	9.7	8.4	1.1	6.1
SBC-1 Cert	0.70		186	27.0	25.7	147	36.5	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
SBC-1 Meas	0.69		209	29.6	25.8	125	29.4	119	13.7	2.22		3	0.9		665	46.6	101	11.5	46.4	8.7	7.6	1.0	5.7
SBC-1 Cert	0.70		186	27.0	25.7	147	36.5	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
OREAS 45d (4-Acid) Meas	0.34		44.1	22.2	6.7	41.8	10.9	91	0.3	0.24	< 0.1	< 1	< 0.1		176	15.8	35.2	3.6	13.4	2.9	2.4	0.4	2.3
OREAS 45d (4-Acid) Cert	0.31		45.7	21.20	13.8	42.1	9.53	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 45d (4-Acid) Meas	0.34		42.8	20.9	8.3	38.5	10.0	88	0.7	0.81	< 0.1	< 1	< 0.1		169	15.0	33.3	3.3	12.7	2.7	2.3	0.3	2.0
OREAS 45d (4-Acid) Cert	0.31		45.7	21.20	13.8	42.1	9.53	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 96 (4 Acid) Meas	27.5	43.8	439									69	4.9										
OREAS 96 (4 Acid) Cert	26.3	40.7	457									65.6	5.09										
OREAS 96 (4 Acid) Meas	27.6	42.9	465									71	5.0										
OREAS 96 (4 Acid) Meas	26.3	40.7	457									65.6	5.09										
OREAS 209 (Fire Assay) Meas																							
OREAS 209 (Fire Assay) Cert																							
OREAS 209 (Fire Assay) Meas																							
OREAS 209 (Fire Assay) Cert																							
E885701 Orig																							
E885701 Dup																							
E885608 Orig	0.16	0.6	124	14.8	26.7	60.1	18.1	61	2.6	0.47	< 0.1	< 1	0.7	< 0.1	136	4.7	9.7	1.1	4.8	1.3	2.2	0.4	3.1
E885608 Dup	0.16	0.8	120	14.5	26.8	64.8	18.2	61	2.7	0.47	< 0.1	< 1	0.7	< 0.1	138	4.9	9.9	1.1	5.0	1.1	2.3	0.4	3.0
E885611 Orig																							
E885611 Dup																							
E885613 Orig	0.24	0.3	47.0	19.5	24.9	67.8	3.6	129	4.3	0.74	< 0.1	< 1	2.3	< 0.1	812	24.1	41.7	3.9	13.0	2.0	1.3	0.1	0.6
E885613 Dup	0.26	0.4	49.2	20.5	24.3	59.7	3.7	134	4.2	0.73	< 0.1	< 1	2.4	< 0.1	826	24.9	43.1	4.1	13.4	2.1	1.4	0.1	0.7
E885622 Orig																							
E885622 Dup																							
E885631 Orig																							
E885631 Dup																							
E885640 Orig	0.05	0.3	6.4	0.8	1.6	2.9	1.9	21	0.6	0.33	< 0.1	< 1	0.2	< 0.1	19	2.8	5.9	0.7	2.4	0.5	0.3	0.1	0.3
E885640 Dup	0.05	0.3	4.5	0.8	1.0	3.0	1.8	19	0.6	0.29	< 0.1	< 1	0.2	< 0.1	19	2.6	5.4	0.6	2.2	0.5	0.4	0.1	0.3
E885641 Orig	0.18	1.0	108	19.3	19.5	25.3	17.0	70	3.1	0.38	< 0.1	< 1	0.1	< 0.1	71	4.6	12.3	1.8	8.5	2.3	3.2	0.5	3.5
E885641 Split	0.19	1.0	114	20.2	18.9	25.9	17.6	68	2.2	0.31	< 0.1	< 1	0.1	< 0.1	73	4.6	12.2	1.7	8.6	2.6	3.4	0.5	3.3
E885641 Orig	0.18	1.0	109	19.8	19.7	26.2	17.6	72	3.1	0.44	< 0.1	< 1	0.1	< 0.1	75	4.9	13.1	1.8	9.0	2.4	3.4	0.5	3.8
E885641 Dup	0.17	1.0	107	18.9	19.2	24.3	16.5	68	3.1	0.32	< 0.1	< 1	0.1	< 0.1	67	4.2	11.6	1.7	7.9	2.2	3.0	0.5	3.2
E885833 Orig																							
E885833 Dup																							
Method Blank	0.04	0.1	0.6	0.2	0.2	< 0.2	< 0.1	< 1	< 0.1	0.10	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.04	0.4	< 0.2	0.2	0.4	< 0.2	< 0.1	< 1	< 0.1	0.31	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Method Blank	0.04	0.4	< 0.2	0.2	< 0.1	< 0.2	< 0.1	< 1	< 0.1	0.09	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.04	0.1	< 0.2	0.2	0.4	< 0.2	< 0.1	< 1	< 0.1	0.11	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.03	< 0.1	< 0.2	0.2	0.4	< 0.2	< 0.1	< 1	< 0.1	0.06	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.03	0.1	0.5	0.2	0.4	< 0.2	< 0.1	< 1	< 0.1	0.13	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885701	11.2	0.2	0.2	1.1	0.1	< 0.1	599	0.1	< 0.001	0.40	9.8	5.3	0.6
E885702	10.3	0.1	0.1	0.5	0.1	0.2	271	0.4	< 0.001	0.54	18.7	9.9	3.9
E885703	1.9	0.2	0.2	1.2	0.2	1.0	222	0.6	< 0.001	0.98	34.0	13.5	5.3
E885751	143	0.2	0.3	2.0	0.2	< 0.1	66.0	0.2	0.001	< 0.05	< 0.5	0.2	0.1
E885752	116	0.4	0.3	2.2	0.3	< 0.1	219	0.1	0.001	< 0.05	0.9	0.4	0.1
E885753	64.4	0.2	0.3	2.0	0.3	< 0.1	22.7	0.1	< 0.001	< 0.05	< 0.5	0.3	0.1
E885754	47.1	0.1	0.2	1.2	0.2	0.1	11.2	0.7	< 0.001	< 0.05	2.6	1.7	0.4
E885755	136	0.4	0.3	2.2	0.3	< 0.1	163	0.1	0.001	< 0.05	< 0.5	0.3	0.1
E885756	135	0.6	0.3	2.1	0.3	< 0.1	149	0.1	< 0.001	< 0.05	< 0.5	0.3	0.1
E885757	89.5	0.3	0.3	2.1	0.2	< 0.1	62.7	0.1	< 0.001	< 0.05	< 0.5	0.3	0.1
E885758	28.3	0.1	< 0.1	0.2	< 0.1	0.1	375	0.2	< 0.001	0.09	5.8	4.1	0.4
E885601	4.3	0.5	0.6	4.1	0.6	< 0.1	115	0.1	0.001	< 0.05	0.8	1.2	0.4
E885602	114	0.7	0.2	1.6	0.2	0.1	88.1	0.6	< 0.001	< 0.05	6.4	1.8	0.5
E885603	264	0.5	0.4	2.5	0.3	< 0.1	52.6	0.1	0.002	0.53	29.6	0.6	0.2
E885605	154	0.5	0.4	2.5	0.3	< 0.1	92.3	0.1	< 0.001	< 0.05	< 0.5	0.5	0.2
E885606	262	0.3	0.3	2.2	0.3	< 0.1	110	0.2	< 0.001	< 0.05	3.0	0.6	0.2
E885607	23.5	0.1	< 0.1	0.2	< 0.1	< 0.1	3.2	0.5	< 0.001	< 0.05	129	< 0.1	< 0.1
E885608	75.1	0.6	0.3	2.1	0.3	0.2	7.4	0.8	< 0.001	0.99	92.5	2.4	0.7
E885609	88.0	0.2	0.3	2.1	0.3	0.3	29.6	3.6	< 0.001	0.98	349	3.4	0.8
E885610	1970	0.2	0.3	1.8	0.3	0.1	78.4	2.8	0.012	5.73	> 5000	3.1	2.1
E885611	298	0.1	< 0.1	0.2	< 0.1	< 0.1	1.9	0.8	< 0.001	< 0.05	154	0.1	0.1
E885612	1.8	0.4	0.3	1.7	0.2	0.2	184	0.3	< 0.001	< 0.05	13.0	2.0	0.5
E885613	13.2	0.2	< 0.1	0.3	< 0.1	0.3	80.0	0.7	< 0.001	1.24	109	8.6	1.8
E885614	298	0.1	0.1	0.9	0.1	0.3	21.0	2.5	< 0.001	1.64	488	5.8	1.4
E885615	50.0	0.1	0.1	0.5	0.1	< 0.1	0.5	0.6	< 0.001	< 0.05	613	0.1	0.2
E885616	230	0.2	0.3	2.3	0.3	0.2	39.0	0.5	< 0.001	0.42	33.2	2.0	0.6
E885617	41.4	0.2	0.3	1.8	0.3	< 0.1	1.9	0.7	< 0.001	< 0.05	3.9	0.1	0.7
E885618	30.4	0.7	0.2	1.5	0.2	0.1	95.1	0.3	< 0.001	< 0.05	8.6	2.4	0.9
E885619	35.6	0.8	0.2	1.5	0.2	0.2	91.6	0.3	< 0.001	< 0.05	7.8	2.3	0.6
E885620	1.4	0.2	< 0.1	0.2	< 0.1	< 0.1	2.6	0.3	< 0.001	< 0.05	< 0.5	1.0	0.4
E885621	78.9	0.5	0.3	1.8	0.2	0.1	134	0.8	< 0.001	0.15	11.2	1.6	0.4
E885622	102	0.4	0.3	2.0	0.3	< 0.1	30.1	0.1	< 0.001	0.46	7.5	0.5	0.2

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885623	48.9	0.9	0.1	0.4	0.1	< 0.1	43.7	0.4	< 0.001	0.19	10.8	1.8	0.5
E885624	10.2	0.2	0.5	3.8	0.6	0.1	17.7	0.5	< 0.001	0.40	4.1	1.0	0.6
E885625	1.0	0.1	0.3	2.0	0.3	< 0.1	1.1	0.4	< 0.001	< 0.05	< 0.5	0.4	0.2
E885626	< 0.2	1.0	0.9	5.9	0.8	1.4	197	0.3	0.001	1.09	23.6	29.1	8.5
E885627	62.5	0.1	0.1	0.9	0.1	< 0.1	0.9	0.3	< 0.001	< 0.05	< 0.5	0.4	0.1
E885628	182	0.3	0.4	2.6	0.3	< 0.1	120	0.1	< 0.001	< 0.05	3.6	0.5	0.2
E885629	75.3	0.4	0.1	0.8	0.1	0.8	22.7	0.5	< 0.001	0.26	10.8	8.8	2.1
E885630	1940	0.2	0.2	1.8	0.2	0.1	74.9	3.4	0.010	5.48	> 5000	2.9	1.9
E885631	46.9	0.2	0.2	1.0	0.1	0.9	34.2	0.6	< 0.001	0.39	15.7	16.0	3.3
E885632	109	0.1	0.2	1.2	0.1	< 0.1	11.5	24.5	0.005	0.10	0.6	0.9	0.3
E885633	93.9	0.8	0.2	1.0	0.1	0.1	10.9	0.4	< 0.001	< 0.05	< 0.5	0.5	0.1
E885634	195	0.7	0.3	1.7	0.2	< 0.1	44.8	0.3	< 0.001	0.32	2.9	0.4	0.1
E885635	250	0.6	0.8	5.5	0.7	0.1	167	0.2	0.007	< 0.05	3.7	1.6	0.3
E885636	87.3	0.1	< 0.1	0.2	< 0.1	< 0.1	9.6	0.8	< 0.001	0.15	< 0.5	1.3	0.6
E885637	7.7	0.2	< 0.1	0.1	< 0.1	< 0.1	0.9	1.8	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
E885638	132	0.1	0.1	0.4	0.1	< 0.1	12.7	2.7	< 0.001	0.14	< 0.5	2.1	0.7
E885639	54.1	0.3	0.2	1.3	0.2	< 0.1	57.5	0.1	< 0.001	< 0.05	2.0	0.2	0.2
E885640	2.2	0.1	< 0.1	0.3	< 0.1	< 0.1	3.5	0.2	< 0.001	< 0.05	< 0.5	1.2	0.3
E885641	272	0.8	0.3	2.4	0.3	0.2	49.0	0.4	0.001	0.22	1.7	0.7	0.2
E885642	118	0.1	0.1	0.3	< 0.1	< 0.1	12.8	1.4	< 0.001	0.15	1.0	1.5	0.6
E885643	68.2	0.1	0.1	0.6	0.1	0.2	26.9	4.2	< 0.001	0.35	2.5	3.0	1.1
E885644	85.3	0.3	0.4	2.5	0.3	< 0.1	128	0.1	< 0.001	0.76	16.3	8.2	2.5
E885645	20.6	0.5	0.1	1.0	0.1	< 0.1	37.1	0.1	< 0.001	0.27	15.5	1.6	0.7
E885833	136	0.3	0.3	2.1	0.3	< 0.1	234	0.1	< 0.001	0.09	8.2	2.1	0.9
E885834	6.8	0.4	< 0.1	0.1	< 0.1	< 0.1	237	0.1	< 0.001	0.38	20.8	1.0	0.7
E885835	2.9	0.4	0.2	1.6	0.2	0.4	76.5	0.4	< 0.001	1.32	36.0	43.5	2.3
E881963	115	0.5	0.4	2.4	0.3	< 0.1	124	0.1	< 0.001	< 0.05	< 0.5	0.4	0.1
GXR-4 Meas	6310		0.2	1.0	0.1	0.5	228	37.4		3.50	50.1	19.8	5.8
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	221	30.8		3.20	52.0	22.5	6.20
GXR-4 Meas	6280		0.2	1.0	0.1	0.5	215	33.7		3.40	49.0	19.5	5.7
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	221	30.8		3.20	52.0	22.5	6.20
SDC-1 Meas	27.8		0.5	3.2		< 0.1	165	0.1		0.59	24.0	11.8	2.8
SDC-1 Cert	30.000		0.65	4.00		1.20	180.00	0.80		0.70	25.00	12.00	3.10
SDC-1 Meas	29.8		0.5	3.4		< 0.1	182	0.1		0.62	24.5	12.3	2.9
SDC-1 Cert	30.000		0.65	4.00		1.20	180.00	0.80		0.70	25.00	12.00	3.10
GXR-6 Meas	65.4			1.6	0.2	< 0.1	37.4	0.1		2.30	102	5.2	1.4
GXR-6 Cert	66.0			2.40	0.330	0.485	35.0	1.90		2.20	101	5.30	1.54
OREAS 97 (4 Acid) Meas	> 10000										149		
OREAS 97 (4 Acid) Cert	63100.00										147		
OREAS 97 (4 Acid) Meas	> 10000										150		
OREAS 97 (4	63100.										147		

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Acid) Cert	00												
OREAS 98 (4 Acid) Meas	> 10000										353		
OREAS 98 (4 Acid) Cert	14800 0.0										345		
OREAS 98 (4 Acid) Meas	> 10000										347		
OREAS 98 (4 Acid) Cert	14800 0.0										345		
DNC-1a Meas	99.2			1.9			149				5.5		
DNC-1a Cert	100			2.0			144				6.3		
DNC-1a Meas	97.8			1.9			142				5.2		
DNC-1a Cert	100			2.0			144				6.3		
SBC-1 Meas	30.0		0.5	3.4	0.5	0.8	188	1.6		0.92	37.0	15.5	5.9
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	178.0	1.60		0.89	35.0	15.8	5.76
SBC-1 Meas	29.0		0.5	3.3	0.5	0.8	177	1.5		0.90	39.4	15.5	5.8
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	178.0	1.60		0.89	35.0	15.8	5.76
OREAS 45d (4-Acid) Meas	374			1.4	0.2	< 0.1	31.9	0.1		0.18	21.0	14.7	2.9
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	31.30	1.62		0.27	21.8	14.5	2.63
OREAS 45d (4-Acid) Meas	356			1.3	0.2	< 0.1	29.1	0.1		0.15	20.0	13.8	2.7
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	31.30	1.62		0.27	21.8	14.5	2.63
OREAS 220 (Fire Assay) Meas													
OREAS 220 (Fire Assay) Cert													
OREAS 220 (Fire Assay) Meas													
OREAS 220 (Fire Assay) Cert													
OREAS 220 (Fire Assay) Meas													
OREAS 220 (Fire Assay) Cert													
OREAS 96 (4 Acid) Meas	> 10000										101		
OREAS 96 (4 Acid) Cert	39300										101		
OREAS 96 (4 Acid) Meas	> 10000										101		
OREAS 96 (4 Acid) Cert	39300										101		
OREAS 209 (Fire Assay) Meas													

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
OREAS 209 (Fire Assay) Cert													
OREAS 209 (Fire Assay) Meas													
OREAS 209 (Fire Assay) Cert													
E885701 Orig													
E885701 Dup													
E885608 Orig	75.1	0.6	0.3	2.1	0.3	0.2	7.4	0.8	< 0.001	0.99	92.5	2.4	0.7
E885608 Dup	74.5	0.5	0.3	2.1	0.3	0.2	6.9	1.1	< 0.001	1.00	93.7	2.5	0.7
E885611 Orig													
E885611 Dup													
E885613 Orig	13.2	0.2	< 0.1	0.3	< 0.1	0.3	80.0	0.7	< 0.001	1.24	109	8.6	1.8
E885613 Dup	18.3	0.2	< 0.1	0.3	< 0.1	0.3	82.7	0.8	< 0.001	1.26	111	8.8	1.9
E885622 Orig													
E885622 Dup													
E885631 Orig													
E885631 Dup													
E885640 Orig	2.2	0.1	< 0.1	0.3	< 0.1	< 0.1	3.5	0.2	< 0.001	< 0.05	< 0.5	1.2	0.3
E885640 Dup	1.6	0.1	< 0.1	0.2	< 0.1	< 0.1	3.2	0.2	< 0.001	< 0.05	0.7	1.2	0.3
E885641 Orig	269	0.8	0.3	2.3	0.3	0.2	47.5	0.4	< 0.001	0.20	1.6	0.6	0.2
E885641 Split	290	0.8	0.3	2.3	0.3	0.1	49.2	0.1	0.002	0.21	1.6	0.6	0.2
E885641 Orig	272	0.8	0.3	2.4	0.3	0.2	49.0	0.4	0.001	0.22	1.7	0.7	0.2
E885641 Dup	266	0.8	0.3	2.1	0.3	0.2	45.9	0.5	< 0.001	0.18	1.5	0.5	0.2
E885833 Orig													
E885833 Dup													
Method Blank	0.3	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	0.4	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	< 0.2	0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	0.7	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	0.5	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	0.4	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank													
Method Blank													
Method Blank													
Method Blank													

Quality Analysis ... *Innovative Technologies*

Date Submitted: 08-Aug-18
Invoice No.: A18-10521
Invoice Date: 12-Sep-18
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

124 Core samples were submitted for analysis.

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

REPORT **A18-10521**

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

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

Date Submitted: 08-Aug-18
Invoice No.: A18-10521
Invoice Date: 12-Sep-18
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

124 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4 Total Digestion ICP/MS

REPORT **A18-10521**

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

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
E885501	< 0.005	< 20	73.2	2.14	2.19	9.07	1.23	1.24	< 0.1	111	262	766	5.13	3.3	176	1.3	1.3	0.3	40	0.10	7.22	28.4	0.60
E885502	0.011	< 20	57.3	1.55	4.09	8.40	0.09	8.45	0.4	278	112	1570	8.29	0.8	118	2.0	0.1	0.6	30	0.16	0.19	44.4	0.50
E885503	0.005	< 20	44.0	> 3.00	1.05	> 10.0	0.86	0.87	< 0.1	80	72	179	1.83	4.2	78.8	1.1	1.3	0.4	10	0.09	1.54	11.2	0.80
E885504	< 0.005	< 20	52.2	1.69	3.67	8.40	0.09	7.45	0.1	310	80	1560	9.34	0.7	76.6	1.9	0.3	0.6	20	0.31	0.09	42.9	0.50
E885505	0.016	< 20	48.1	2.61	2.01	> 10.0	1.12	1.91	< 0.1	103	411	714	4.69	3.3	250	1.4	2.0	0.4	< 10	0.08	0.94	18.3	0.80
E885506	< 0.005	220	1.6	0.03	0.08	0.30	0.02	0.14	< 0.1	11	32	44	0.39	0.1	5.2	< 0.1	< 0.1	< 0.1	30	< 0.05	< 0.05	0.8	< 0.05
E885507	0.050	< 20	16.7	0.45	1.85	5.37	0.65	1.05	0.1	126	473	1340	6.10	1.9	210	1.2	0.5	0.4	< 10	0.08	1.46	37.3	0.40
E885508	2.38	40	11.4	0.10	2.14	5.30	0.32	0.83	0.3	148	669	3060	13.1	0.1	259	1.2	0.4	0.4	< 10	0.18	0.47	39.0	0.50
E885509	0.011	< 20	104	0.28	1.85	9.20	2.37	0.64	1.1	179	213	1400	7.15	3.3	181	1.9	1.3	0.6	30	0.33	11.1	50.6	1.00
E885510	1.07	< 20	24.8	0.29	1.70	4.79	1.29	1.53	43.1	82	49	1800	7.74	2.1	27.3	1.8	0.8	0.6	1680	> 100	1.44	17.8	0.60
E885511	0.007	< 20	48.0	0.52	3.28	8.42	0.69	6.12	0.1	224	91	1210	7.85	2.6	42.6	1.6	1.0	0.6	30	0.07	10.6	47.2	0.70
E885512	< 0.005	< 20	4.9	0.03	1.83	0.78	0.03	0.59	0.1	28	45	1720	18.0	0.3	13.1	0.9	0.3	0.2	20	< 0.05	0.19	7.7	0.30
E885513	< 0.005	< 20	168	0.58	2.68	9.85	0.48	4.11	0.1	199	295	1020	9.11	2.8	65.4	2.1	1.7	0.6	40	0.06	2.87	42.1	0.80
E885514	0.021	< 20	24.4	2.11	4.14	7.98	0.37	6.53	0.1	224	15	1440	8.04	1.7	50.8	1.9	0.6	0.6	10	1.06	0.93	48.6	0.70
E885515	< 0.005	< 20	28.8	1.36	3.84	7.46	0.20	6.15	0.1	267	101	1550	10.0	0.8	113	3.1	0.4	1.0	< 10	< 0.05	0.16	52.2	0.90
E885516	< 0.005	< 20	7.5	1.85	4.78	7.08	0.27	6.89	0.1	223	314	2840	7.17	1.3	106	1.6	0.5	0.5	20	< 0.05	0.25	49.2	0.50
E885517	< 0.005	30	0.6	0.01	0.03	0.06	0.01	0.05	< 0.1	2	44	72	0.56	< 0.1	3.6	< 0.1	< 0.1	< 0.1	30	< 0.05	< 0.05	0.9	< 0.05
E885518	0.006	< 20	15.2	1.37	2.92	7.02	0.21	5.16	< 0.1	373	12	1670	12.3	0.6	23.7	2.1	0.2	0.8	< 10	< 0.05	0.53	53.5	0.50
E885519	< 0.005	< 20	8.2	1.79	5.13	7.60	0.16	7.56	< 0.1	231	308	1880	7.86	0.8	141	1.5	0.3	0.5	30	0.09	0.18	49.8	0.50
E885520	< 0.005	< 20	5.6	0.05	0.02	0.21	0.07	0.02	< 0.1	3	10	61	0.66	0.7	1.2	0.2	0.1	< 0.1	20	< 0.05	0.13	0.7	< 0.05
E885521	< 0.005	< 20	7.7	1.77	3.34	8.02	0.37	6.87	< 0.1	195	77	1420	6.58	1.9	72.1	1.5	0.6	0.5	30	< 0.05	0.38	38.5	0.60
E885522	0.006	< 20	59.4	0.50	3.02	7.79	1.95	2.19	0.2	140	365	1820	8.85	2.7	329	1.6	1.4	0.5	20	0.10	4.97	41.5	0.70
E885523	0.008	< 20	18.2	0.36	5.63	5.20	0.41	5.87	0.2	129	618	3370	11.2	2.1	1070	1.4	0.4	0.4	10	0.07	0.72	78.7	0.60
E885524	0.005	< 20	1.9	< 0.01	1.29	1.17	0.02	0.64	0.4	33	52	1720	30.5	0.1	12.2	3.0	1.1	0.9	20	0.31	0.26	2.6	1.40
E885525	< 0.005	20	79.1	0.43	1.23	9.90	0.79	1.31	2.3	36	32	834	6.95	11.9	25.7	7.1	4.1	2.2	30	0.42	11.0	11.5	2.70
E885526	< 0.005	< 20	18.7	0.42	2.72	7.47	0.57	5.62	0.7	170	167	4140	13.1	2.3	66.9	1.8	1.8	0.6	< 10	0.07	8.35	38.0	0.90
E885527	< 0.005	< 20	< 0.5	< 0.01	0.76	0.15	0.02	0.11	< 0.1	5	31	541	11.6	0.1	4.6	0.3	0.6	0.1	20	< 0.05	0.28	1.7	0.20
E885528	< 0.005	< 20	12.0	0.16	0.13	> 10.0	1.05	0.10	0.9	46	39	83	2.64	6.0	4.3	1.8	2.0	0.6	50	0.66	3.07	4.5	0.70
E885529	< 0.005	< 20	64.3	0.45	2.18	> 10.0	0.76	4.59	0.2	200	238	1540	8.15	2.9	102	1.9	1.6	0.7	10	0.06	6.83	52.7	1.00
E885530	1.00	< 20	23.4	0.27	1.61	4.52	1.28	1.46	42.3	78	47	1740	7.43	2.0	26.2	1.8	0.7	0.5	590	> 100	1.42	16.5	0.50
E885531	< 0.005	< 20	< 0.5	< 0.01	0.90	0.21	0.01	0.43	0.3	12	26	1260	25.3	0.1	9.1	1.4	0.6	0.4	20	< 0.05	0.07	2.6	1.40
E885532	< 0.005	< 20	44.6	0.30	1.84	8.66	0.70	1.97	< 0.1	169	99	1640	10.4	2.7	120	1.7	2.1	0.6	< 10	0.05	3.69	44.6	0.80
E885533	0.396	< 20	0.8	0.05	1.47	0.80	0.04	0.35	0.3	21	32	1320	20.8	0.2	75.4	0.7	0.2	0.2	50	0.41	< 0.05	201	0.40
E885534	< 0.005	< 20	1.2	0.01	3.78	0.23	0.01	2.40	< 0.1	11	28	700	13.5	0.1	21.5	0.7	0.7	0.2	30	< 0.05	0.10	16.9	0.20
E885535	< 0.005	< 20	23.1	1.06	2.06	8.20	1.11	4.24	0.2	195	192	1700	7.94	2.5	65.3	1.6	0.9	0.6	< 10	0.08	6.86	33.9	0.70
E885536	0.005	< 20	79.9	0.82	2.66	9.81	1.19	4.57	0.4	180	357	1470	7.80	2.6	529	1.6	1.1	0.6	< 10	0.34	9.15	54.4	0.90
E885537	0.010	< 20	34.3	0.56	3.70	7.47	1.06	5.81	0.1	256	644	1660	8.41	1.5	353	1.8	0.6	0.5	< 10	0.08	5.52	74.2	0.60
E885538	< 0.005	40	33.7	0.92	1.20	> 10.0	1.40	1.11	< 0.1	111	38	495	3.03	5.3	44.3	1.4	1.0	0.4	20	< 0.05	5.57	13.9	0.80
E885539	< 0.005	< 20	19.3	1.25	2.51	7.76	0.72	5.68	0.2	116	143	1080	6.24	2.6	112	1.8	0.8	0.6	< 10	< 0.05	5.65	36.5	0.70
E885540	< 0.005	30	5.6	0.07	0.02	0.24	0.07	0.05	< 0.1	2	7	46	0.42	0.6	0.9	0.2	0.1	0.1	< 10	< 0.05	0.12	0.5	< 0.05
E885541	< 0.005	< 20	57.3	0.54	5.53	7.55	0.61	6.47	0.1	182	329	1830	8.72	2.1	163	1.7	0.7	0.5	< 10	< 0.05	0.96	45.3	0.70
E885542	< 0.005	< 20	12.5	2.28	3.30	7.83	0.33	5.62	0.1	181	114	1270	6.66	2.2	55.5	1.5	0.5	0.5	< 10	< 0.05	0.85	34.9	0.60
E885543	< 0.005	< 20	32.8	0.80	3.57	9.75	0.59	5.24	0.2	430	53	2490	17.6	1.9	50.3	8.0	0.2	2.6	< 10	0.07	0.45	56.7	1.70

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
E885544	< 0.005	< 20	17.1	2.84	4.02	8.12	0.31	6.06	0.2	381	93	1700	11.0	1.5	81.6	2.8	0.4	0.9	20	0.19	0.38	51.8	0.70
E885545	0.017	< 20	19.3	1.45	1.65	6.48	0.90	2.10	0.3	34	55	919	10.9	1.9	24.5	0.7	1.1	0.2	40	0.10	6.05	11.7	0.80
E885546	< 0.005	< 20	13.7	1.01	1.70	7.92	0.34	5.99	0.2	149	68	4670	10.9	2.9	35.4	4.7	1.0	1.5	30	< 0.05	0.37	45.5	1.20
E885547	0.007	< 20	26.9	1.27	2.39	8.17	0.89	4.92	0.2	146	101	3040	9.94	2.8	50.3	3.4	1.0	1.2	< 10	< 0.05	4.48	45.0	1.20
E885548	< 0.005	< 20	16.1	2.52	1.61	7.45	0.17	4.16	< 0.1	82	72	1460	5.31	0.3	44.5	3.6	0.7	1.2	< 10	< 0.05	2.99	33.4	1.10
E885549	< 0.005	< 20	34.8	0.09	0.71	7.74	0.10	1.06	0.1	94	83	579	3.10	3.3	306	1.0	0.8	0.3	20	0.11	0.87	16.3	0.70
E885550	1.23	< 20	25.0	0.29	1.71	4.60	1.30	1.55	43.3	81	50	1830	7.59	2.0	27.1	1.7	0.7	0.5	110	> 100	1.43	17.4	0.60
E885551	< 0.005	< 20	1.9	0.02	16.7	2.95	0.01	0.70	< 0.1	72	3400	845	9.16	0.4	1570	0.3	0.1	0.1	20	< 0.05	0.21	123	0.10
E885552	< 0.005	< 20	6.8	> 3.00	0.03	7.35	1.02	0.35	< 0.1	1	15	367	0.63	3.0	3.7	0.8	1.4	0.4	< 10	0.18	1.53	0.4	< 0.05
E885553	< 0.005	20	39.7	1.11	2.59	9.92	0.63	2.48	0.2	198	295	2360	14.2	2.9	127	1.9	0.9	0.6	20	< 0.05	4.39	53.1	0.70
E885554	< 0.005	< 20	8.3	1.35	3.35	8.37	0.43	6.23	0.1	175	176	1610	7.89	2.3	86.2	1.7	0.7	0.6	10	0.09	0.75	45.6	0.80
E885555	< 0.005	< 20	1.8	0.01	0.83	1.17	0.04	0.26	0.1	30	61	3810	18.1	0.3	15.8	0.6	0.5	0.2	30	0.07	0.71	6.8	0.20
E885556	< 0.005	< 20	76.1	0.13	1.64	> 10.0	0.46	0.47	0.1	258	384	1410	10.9	3.0	128	2.5	1.4	0.7	10	0.11	15.4	53.4	0.70
E885557	< 0.005	< 20	26.3	1.87	2.25	> 10.0	0.92	3.91	< 0.1	216	218	1300	6.90	2.9	91.7	1.7	1.1	0.6	< 10	0.08	5.60	46.5	0.80
E885558	< 0.005	< 20	0.7	0.01	1.98	0.20	0.01	0.38	< 0.1	19	22	5550	23.1	0.1	30.0	0.5	0.4	0.1	20	< 0.05	0.35	3.5	0.20
E885559	< 0.005	< 20	0.9	0.01	3.32	0.23	0.01	1.74	< 0.1	24	13	9360	27.2	0.1	30.1	0.4	0.1	0.1	< 10	< 0.05	0.19	7.4	0.10
E885560	< 0.005	30	5.7	0.06	0.01	0.19	0.06	0.02	< 0.1	2	9	59	0.52	0.7	1.1	0.2	0.1	0.1	20	< 0.05	0.13	0.5	< 0.05
E885561	0.038	< 20	13.6	1.42	5.75	6.00	0.11	6.05	0.2	202	762	2650	10.1	1.0	517	1.5	0.5	0.4	< 10	0.12	0.70	62.0	0.50
E885562	0.015	< 20	< 0.5	< 0.01	0.86	0.16	0.01	0.34	< 0.1	11	34	1590	19.4	0.1	8.4	0.4	0.4	0.1	< 10	< 0.05	0.09	2.8	0.20
E885563	< 0.005	< 20	15.1	1.37	1.35	9.19	1.31	3.46	< 0.1	115	100	1180	6.96	2.9	103	1.6	0.8	0.5	< 10	0.09	4.35	37.5	0.90
E885564	0.058	< 20	< 0.5	0.01	1.94	0.43	0.02	1.12	0.2	22	28	4250	26.6	0.2	20.3	0.5	0.3	0.1	< 10	< 0.05	0.17	5.9	0.10
E885565	0.005	< 20	86.6	0.36	1.56	> 10.0	0.58	0.73	< 0.1	258	273	3900	11.7	4.3	130	2.9	1.4	0.9	20	0.09	3.27	55.7	1.10
E885566	< 0.005	80	1.2	0.02	1.03	0.53	0.05	0.30	0.1	17	31	2860	15.4	0.2	27.2	0.7	0.4	0.2	130	< 0.05	0.27	3.4	0.20
E885567	< 0.005	< 20	14.3	0.49	3.86	> 10.0	0.13	4.93	0.1	242	182	4290	11.2	3.4	160	2.1	0.4	0.6	30	0.12	1.44	51.8	0.80
E885568	0.014	< 20	14.7	0.20	1.85	4.19	0.05	1.11	0.4	35	38	4990	17.9	2.4	41.2	1.1	0.6	0.3	30	0.13	0.39	9.8	0.50
E885569	0.010	< 20	11.4	2.73	2.69	7.51	0.11	3.97	0.1	222	9	2680	11.6	2.9	112	2.7	0.6	0.9	< 10	0.16	0.15	65.3	1.00
E885570	1.08	< 20	24.0	0.28	1.64	4.53	1.24	1.48	41.8	79	50	1800	7.47	2.0	26.9	1.7	0.7	0.5	490	> 100	1.44	17.6	0.50
E885571	0.007	< 20	18.8	2.32	2.51	7.31	0.14	4.72	< 0.1	225	24	2120	10.4	3.4	54.8	3.3	0.4	1.0	< 10	0.07	0.12	46.5	1.10
E885572	< 0.005	< 20	15.6	0.62	5.18	3.90	0.15	7.43	0.2	236	2030	3200	9.61	1.0	635	1.4	0.3	0.4	< 10	0.07	0.45	99.6	0.50
E885573	< 0.005	< 20	15.7	0.66	5.94	4.05	0.15	7.18	0.1	230	2110	2650	10.2	0.8	734	1.4	0.3	0.4	< 10	0.05	0.15	115	0.40
E885574	< 0.005	< 20	12.1	0.13	4.51	2.32	0.04	3.54	< 0.1	120	2710	1450	6.59	0.5	385	0.7	0.1	0.2	30	< 0.05	< 0.05	48.8	0.10
E885575	< 0.005	30	17.0	0.76	6.55	3.57	0.23	7.04	0.2	257	2550	2570	9.53	0.8	422	1.4	0.2	0.5	< 10	< 0.05	0.63	82.4	0.40
E885576	< 0.005	< 20	10.8	0.93	4.47	4.88	0.15	5.88	< 0.1	209	433	2470	11.3	2.0	188	1.9	1.2	0.7	10	< 0.05	0.17	62.5	0.70
E885577	< 0.005	< 20	18.8	0.11	5.87	3.36	0.13	6.71	0.3	206	1220	3650	11.0	1.3	467	1.5	0.4	0.6	< 10	0.11	2.97	85.6	0.60
E885578	< 0.005	< 20	18.0	1.13	5.61	4.06	0.20	4.06	0.1	239	324	4280	12.4	1.5	249	1.4	0.4	0.5	20	< 0.05	1.96	65.7	0.50
E885579	< 0.005	< 20	12.8	0.12	7.38	2.77	0.04	9.12	0.1	142	1590	2160	7.44	1.0	581	1.4	0.3	0.4	10	< 0.05	0.25	82.7	0.50
E885580	< 0.005	< 20	6.1	0.08	0.02	0.28	0.10	0.03	< 0.1	3	11	56	0.52	0.8	3.7	0.3	0.1	0.1	< 10	< 0.05	0.17	0.6	0.10
E885581	0.006	< 20	10.8	0.03	10.1	2.30	0.02	6.53	0.1	146	1340	1680	9.98	0.8	955	0.9	0.3	0.4	10	0.13	0.10	97.3	0.30
E885582	< 0.005	< 20	10.9	2.53	3.97	5.59	0.06	3.98	< 0.1	126	923	1670	6.61	2.4	378	1.6	0.5	0.5	10	< 0.05	0.16	54.7	0.60
E885583	< 0.005	< 20	24.2	2.83	3.49	7.26	0.06	4.46	0.1	115	288	3120	8.30	2.9	156	1.7	0.4	0.6	< 10	0.08	0.26	36.8	0.70
E885584	0.005	< 20	22.4	0.31	6.29	4.85	0.22	6.06	0.3	263	332	4590	14.6	1.6	344	2.2	0.1	0.7	< 10	0.21	2.37	84.6	0.50
E885585	< 0.005	< 20	13.1	0.08	9.83	1.98	0.02	8.23	< 0.1	101	997	1620	8.42	0.6	1410	0.5	0.3	0.2	< 10	< 0.05	0.17	101	0.40
E885586	0.005	< 20	8.0	1.77	4.43	5.12	0.06	5.11	0.2	229	91	2880	10.9	1.9	145	1.9	0.6	0.6	10	0.09	0.25	60.2	0.80

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
E885587	0.005	< 20	12.3	1.39	6.44	4.05	0.17	7.72	0.1	177	876	1660	6.39	1.5	311	1.5	0.4	0.5	< 10	0.10	1.41	71.4	0.60
E885588	< 0.005	< 20	13.1	> 3.00	3.00	6.75	0.12	3.40	< 0.1	273	87	1650	8.97	2.9	112	2.4	0.4	0.8	< 10	0.16	0.56	57.8	1.00
E885589	< 0.005	< 20	19.9	1.67	4.80	5.91	0.24	6.07	0.1	281	103	2600	13.0	2.1	128	2.5	0.6	0.8	20	0.06	0.35	67.9	1.20
E885590	1.09	< 20	25.9	0.28	1.67	4.79	1.29	1.50	45.5	79	43	1790	7.71	2.2	28.1	1.8	0.7	0.6	1620	> 100	1.44	17.7	0.60
E885591	< 0.005	< 20	4.1	0.03	12.5	1.48	0.04	4.21	< 0.1	23	3830	842	6.32	0.3	1650	0.3	0.1	0.1	10	< 0.05	0.39	103	0.10
E885592	< 0.005	< 20	9.0	0.73	7.22	3.18	0.07	7.59	0.1	184	1890	2140	9.87	1.1	842	1.4	0.3	0.5	< 10	< 0.05	0.11	134	0.50
E885593	< 0.005	< 20	11.5	0.83	4.92	3.38	0.07	9.12	0.1	208	424	3710	9.70	1.2	390	1.7	0.4	0.5	< 10	< 0.05	0.10	86.9	0.70
E885594	< 0.005	< 20	15.8	2.00	4.06	7.64	0.34	6.51	0.1	232	202	1370	8.99	2.0	65.4	2.5	0.5	0.8	< 10	0.06	0.44	41.9	0.90
[redacted]																							
E885596	< 0.005	50	25.2	0.54	5.92	5.59	0.58	8.86	0.2	139	106	1450	8.83	1.2	164	1.9	0.3	0.6	< 10	< 0.05	1.97	41.9	0.40
E885597	< 0.005	< 20	2.9	0.01	1.58	0.17	0.01	2.28	0.2	4	42	4690	11.2	< 0.1	7.7	0.3	0.6	0.1	40	< 0.05	0.29	3.1	0.20
E885598	< 0.005	< 20	1.1	0.01	0.70	0.12	0.01	2.29	0.1	7	54	794	4.36	< 0.1	7.3	0.3	0.4	0.1	50	< 0.05	0.16	2.8	0.10
E885599	< 0.005	< 20	13.1	0.43	0.29	3.33	0.83	0.33	1.2	44	92	294	1.98	1.4	79.2	0.6	0.3	0.2	90	0.29	2.20	24.7	0.40
E885600	< 0.005	< 20	5.1	0.05	0.01	0.18	0.05	0.02	< 0.1	2	14	46	0.42	0.6	1.1	0.1	0.1	0.1	20	< 0.05	0.11	0.5	< 0.05
E885646	0.005	< 20	9.1	1.03	4.10	8.26	0.05	9.33	< 0.1	230	190	1310	7.98	0.6	154	1.6	0.1	0.5	< 10	< 0.05	0.05	43.2	0.60
E885647	0.005	< 20	10.7	1.41	3.40	7.17	0.25	6.67	0.1	269	146	1470	8.65	0.8	111	2.4	0.3	0.7	20	< 0.05	0.21	40.9	0.80
E885648	0.006	< 20	19.4	0.40	7.26	4.76	0.08	6.84	< 0.1	236	182	2970	10.3	1.1	188	1.5	0.3	0.6	< 10	< 0.05	< 0.05	60.5	0.60
E885649	< 0.005	< 20	15.2	0.43	1.91	3.87	0.11	3.12	< 0.1	113	20	1700	8.16	1.4	22.2	1.6	0.4	0.5	< 10	< 0.05	0.12	32.1	0.70
E885650	1.15	< 20	24.6	0.28	1.64	4.58	1.25	1.48	45.1	78	42	1730	7.58	2.2	28.1	1.9	0.6	0.6	1870	> 100	1.51	17.8	0.60
E885851	0.005	< 20	48.5	0.09	1.23	3.05	0.39	0.26	0.3	23	38	1450	6.97	0.9	33.7	0.4	0.3	0.1	30	0.18	1.26	10.4	0.20
E885852	0.005	< 20	16.4	0.22	4.01	5.92	0.73	8.50	0.2	267	450	2060	7.56	1.1	227	1.6	0.3	0.5	10	0.06	1.39	55.6	0.60
E885853	0.005	< 20	12.0	0.15	4.62	6.04	0.69	9.36	< 0.1	341	665	3450	9.30	1.4	214	1.8	0.4	0.6	< 10	0.06	1.59	80.8	0.60
E885854	0.005	< 20	15.5	0.27	3.73	4.75	0.59	6.55	0.1	247	596	1940	7.67	1.0	206	1.4	0.3	0.4	< 10	0.06	2.11	58.5	0.50
E885855	< 0.005	< 20	13.6	1.89	3.24	7.75	0.33	7.29	0.2	264	109	1590	9.43	0.6	111	2.9	0.3	1.0	< 10	< 0.05	0.19	51.2	0.90
E885856	0.005	< 20	18.4	1.62	2.34	7.55	0.37	6.63	< 0.1	193	75	2710	9.11	3.0	63.2	3.1	0.6	1.1	< 10	< 0.05	0.33	49.4	1.00
E885857	< 0.005	< 20	15.9	1.64	3.03	7.06	0.83	5.76	< 0.1	179	19	1390	8.20	2.1	37.0	2.4	0.6	0.8	< 10	< 0.05	0.40	47.2	0.80
E885858	< 0.005	< 20	12.4	1.64	3.38	7.09	0.34	6.39	< 0.1	166	25	1410	7.41	2.3	46.1	2.3	0.6	0.8	30	< 0.05	0.23	43.2	0.80
E885859	< 0.005	< 20	19.8	1.14	3.38	6.30	0.39	7.73	< 0.1	193	28	1100	7.73	2.7	46.7	2.9	0.7	0.9	20	0.07	0.12	41.9	0.80
E885860	< 0.005	20	5.1	0.04	0.01	0.14	0.04	0.02	< 0.1	2	7	40	0.37	0.7	0.5	0.1	0.1	0.1	< 10	< 0.05	0.08	0.3	< 0.05
E885870	1.18	< 20	24.4	0.27	1.59	4.41	1.25	1.45	43.7	77	40	1750	7.38	2.0	27.3	1.7	0.7	0.6	1320	> 100	1.49	16.7	0.60
E885871	< 0.005	< 20	9.7	1.53	2.04	5.65	0.32	3.56	< 0.1	91	33	828	6.62	0.7	23.8	2.4	0.6	0.8	< 10	0.06	0.33	26.8	0.50
E885872	0.028	< 20	22.4	0.90	3.29	6.83	1.27	6.56	0.1	267	17	1370	9.36	3.6	45.0	3.4	0.8	1.1	< 10	0.14	2.05	57.4	1.10
E885873	< 0.005	< 20	11.8	1.85	2.30	8.13	0.62	7.19	0.1	160	25	1670	6.15	1.9	44.5	2.4	0.9	0.8	20	0.07	0.49	46.0	0.80
E885874	< 0.005	< 20	1.1	0.02	2.13	0.22	0.01	1.40	0.3	7	37	1450	19.7	0.1	9.8	0.5	0.8	0.2	40	< 0.05	0.15	5.0	0.30
E885875	< 0.005	< 20	1.2	0.02	1.56	0.33	0.02	1.72	< 0.1	22	52	3360	17.1	0.1	14.1	1.0	0.9	0.3	40	< 0.05	0.15	6.1	0.30
E885876	0.030	< 20	52.0	0.43	0.93	5.06	0.92	0.59	1.3	91	237	2860	9.96	1.7	141	1.1	1.4	0.3	70	0.25	1.76	48.1	0.70
E885877	< 0.005	< 20	12.3	1.91	2.62	7.48	0.21	8.68	0.3	196	84	1710	9.08	0.6	117	2.9	0.2	0.8	< 10	< 0.05	0.22	52.5	0.90
E885878	< 0.005	< 20	7.8	1.51	3.98	7.48	0.21	7.03	0.1	213	103	1520	9.94	0.8	101	3.0	0.4	1.0	10	< 0.05	0.12	48.2	0.80
GXR-4 Meas		< 20	11.5	0.53	1.62	7.02	4.42	0.99	0.2	86	40	151	3.04	1.3	39.0		2.0		< 10	3.94	2.49	14.7	1.20
GXR-4 Cert		4.50	11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	42.0		1.90		110	4.00	2.80	14.6	1.63
GXR-4 Meas		< 20	10.7	0.51	1.58	6.68	4.44	0.92	0.3	86	49	139	2.99	1.3	39.4		2.0		< 10	3.75	2.33	14.7	1.20
GXR-4 Cert		4.50	11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	42.0		1.90		110	4.00	2.80	14.6	1.63
SDC-1 Meas		< 20	36.3	1.57	0.96	8.40	1.46	0.97		45	43	848	4.68	0.7	34.9	3.5	3.0	1.1	< 10		3.45	17.6	1.40

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
SDC-1 Cert		13.00	34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	38.0	4.10	3.00	1.50	200.00		4.00	18.0	1.70
SDC-1 Meas		< 20	36.5	1.63	0.99	8.79	1.84	1.05		53	54	925	4.97	1.1	36.5	3.7	2.9	1.2	30		3.65	18.8	1.50
SDC-1 Cert		13.00	34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	38.0	4.10	3.00	1.50	200.00		4.00	18.0	1.70
GXR-6 Meas		< 20	33.5	0.09	0.56	> 10.0	1.57	0.15	< 0.1	122	58	1020	5.45	2.0	22.5		1.1		40	0.32	3.60	13.1	0.60
GXR-6 Cert		9.80	32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	27.0		1.40		68.0	1.30	4.20	13.8	0.760
OREAS 97 (4 Acid) Meas																				20.3		65.0	
OREAS 97 (4 Acid) Cert																				19.6		62.9	
OREAS 97 (4 Acid) Meas																				21.3		69.0	
OREAS 97 (4 Acid) Cert																				19.6		62.9	
OREAS 98 (4 Acid) Meas																				48.6		124	
OREAS 98 (4 Acid) Cert																				45.1		121	
OREAS 98 (4 Acid) Meas																				47.4		128	
OREAS 98 (4 Acid) Cert																				45.1		121	
DNC-1a Meas			5.2							154	165				275							57.9	0.50
DNC-1a Cert			5.2							148	270				247							57	0.59
DNC-1a Meas			5.0							153	172				280							59.4	0.50
DNC-1a Cert			5.2							148	270				247							57	0.59
SBC-1 Meas			171						0.3	218	89			3.4	86.5	3.5	3.4	1.1			7.05	22.5	1.70
SBC-1 Cert			163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40			8.2	22.7	1.98
SBC-1 Meas			169						0.4	219	90			3.4	85.3	3.4	3.2	1.1			6.91	22.5	1.70
SBC-1 Cert			163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40			8.2	22.7	1.98
OREAS 45d (4-Acid) Meas			22.5	0.10	0.24	8.09	0.46	0.17		102	543	487	14.6	2.2	239	1.4	0.8	0.4			3.48	30.6	0.50
OREAS 45d (4-Acid) Cert			21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830	231.0	1.38	0.79	0.46			3.910	29.50	0.57
OREAS 45d (4-Acid) Meas			20.5	0.10	0.22	7.72	0.44	0.17		128	548	464	13.5	2.3	232	1.3	0.8	0.4			3.14	29.2	0.50
OREAS 45d (4-Acid) Cert			21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830	231.0	1.38	0.79	0.46			3.910	29.50	0.57
OREAS 214 Meas	3.17																						
OREAS 214 Cert	3.03																						
OREAS 214 Meas	3.13																						
OREAS 214 Cert	3.03																						
OREAS 218 Meas	0.564																						
OREAS 218 Cert	0.531																						
OREAS 96 (4 Acid) Meas																				12.0		50.1	
OREAS 96 (4																				11.5		49.9	

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Acid) Cert																							
OREAS 96 (4 Acid) Meas																				12.5		53.1	
OREAS 96 (4 Acid) Cert																				11.5		49.9	
OREAS 217 (Fire Assay) Meas	0.330																						
OREAS 217 (Fire Assay) Cert	0.338																						
OREAS 217 (Fire Assay) Meas	0.342																						
OREAS 217 (Fire Assay) Cert	0.338																						
OREAS 217 (Fire Assay) Meas	0.346																						
OREAS 217 (Fire Assay) Cert	0.338																						
OREAS 217 (Fire Assay) Meas	0.330																						
OREAS 217 (Fire Assay) Cert	0.338																						
OREAS 215 (Fire Assay) Meas	3.41																						
OREAS 215 (Fire Assay) Cert	3.54																						
OREAS 215 (Fire Assay) Meas	3.49																						
OREAS 215 (Fire Assay) Cert	3.54																						
OREAS 215 (Fire Assay) Meas	3.50																						
OREAS 215 (Fire Assay) Cert	3.54																						
OREAS 215 (Fire Assay) Meas	3.55																						
OREAS 215 (Fire Assay) Cert	3.54																						
E885511 Orig	0.007																						
E885511 Dup	0.005																						
E885519 Orig		< 20	8.2	1.79	5.13	7.60	0.16	7.56	< 0.1	231	308	1880	7.86	0.8	141	1.5	0.3	0.5	30	0.09	0.18	49.8	0.50
E885519 Dup		< 20	7.9	1.82	4.95	7.54	0.16	7.55	0.1	224	285	1830	7.50	0.7	140	1.3	0.3	0.4	20	0.09	0.17	47.5	0.40
E885520 Orig	< 0.005																						
E885520 Dup	< 0.005																						
E885530 Orig		< 20	23.4	0.27	1.61	4.52	1.28	1.46	42.3	78	47	1740	7.43	2.0	26.2	1.8	0.7	0.5	590	> 100	1.42	16.5	0.50
E885530 Dup		< 20	24.9	0.29	1.68	4.75	1.29	1.45	41.0	80	47	1790	7.37	2.0	26.6	1.6	0.7	0.5	850	> 100	1.42	17.2	0.50
E885531 Orig	< 0.005																						
E885531 Dup	< 0.005																						

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
E885548 Orig	< 0.005	< 20	16.1	2.52	1.61	7.45	0.17	4.16	< 0.1	82	72	1460	5.31	0.3	44.5	3.6	0.7	1.2	< 10	< 0.05	2.99	33.4	1.10
E885548 Dup	< 0.005	< 20	16.6	2.44	1.58	7.27	0.18	4.10	0.1	90	72	1470	5.42	1.6	45.2	3.8	0.8	1.2	< 10	< 0.05	3.13	34.1	1.20
E885549 Orig		< 20	34.8	0.09	0.71	7.74	0.10	1.06	0.1	94	83	579	3.10	3.3	306	1.0	0.8	0.3	20	0.11	0.87	16.3	0.70
E885549 Dup		< 20	33.6	0.09	0.69	7.40	0.10	1.01	< 0.1	90	85	565	2.98	3.2	287	0.9	0.8	0.3	< 10	0.11	0.86	15.8	0.60
E885551 Orig	< 0.005	< 20	1.9	0.02	16.7	2.95	0.01	0.70	< 0.1	72	3400	845	9.16	0.4	1570	0.3	0.1	0.1	20	< 0.05	0.21	123	0.10
E885551 Split	< 0.005	< 20	1.8	0.02	16.5	2.85	0.01	0.71	< 0.1	71	3710	862	9.15	0.4	1610	0.3	0.1	0.1	30	< 0.05	0.24	124	0.10
E885558 Orig	< 0.005																						
E885558 Dup	< 0.005																						
E885568 Orig	0.014																						
E885568 Dup	0.020																						
E885576 Orig		< 20	10.8	0.93	4.47	4.88	0.15	5.88	< 0.1	209	433	2470	11.3	2.0	188	1.9	1.2	0.7	10	< 0.05	0.17	62.5	0.70
E885576 Dup		< 20	10.5	0.91	4.31	4.73	0.14	5.62	0.1	196	398	2470	11.1	2.0	183	1.8	1.2	0.6	< 10	< 0.05	0.18	62.0	0.70
E885580 Orig	< 0.005																						
E885580 Dup	0.007																						
E885581 Orig		< 20	10.8	0.03	10.1	2.30	0.02	6.53	0.1	146	1340	1680	9.98	0.8	955	0.9	0.3	0.4	10	0.13	0.10	97.3	0.30
E885581 Dup		< 20	10.8	0.03	9.92	2.26	0.02	6.43	0.2	145	1420	1640	9.89	0.8	927	0.9	0.2	0.3	20	0.13	0.11	93.1	0.30
E885591 Orig	< 0.005																						
E885591 Dup	< 0.005																						
E885646 Orig	0.005	< 20	9.1	1.03	4.10	8.26	0.05	9.33	< 0.1	230	190	1310	7.98	0.6	154	1.6	0.1	0.5	< 10	< 0.05	0.05	43.2	0.60
E885646 Split	< 0.005	< 20	9.2	1.01	4.19	8.22	0.05	9.55	< 0.1	220	196	1320	7.87	0.6	153	1.6	0.2	0.6	< 10	< 0.05	< 0.05	41.9	0.60
E885647 Orig	0.005																						
E885647 Dup	0.005																						
E885852 Orig		< 20	16.4	0.22	4.01	5.92	0.73	8.50	0.2	267	450	2060	7.56	1.1	227	1.6	0.3	0.5	10	0.06	1.39	55.6	0.60
E885852 Dup		< 20	16.6	0.22	4.00	5.93	0.74	8.53	0.2	289	472	2120	7.79	1.2	229	1.5	0.3	0.5	20	0.05	1.43	57.4	0.60
E885853 Orig		< 20	12.0	0.15	4.62	6.04	0.69	9.36	< 0.1	341	665	3450	9.30	1.4	214	1.8	0.4	0.6	< 10	0.06	1.59	80.8	0.60
E885853 Dup		< 20	11.8	0.15	4.57	5.81	0.66	9.48	0.1	340	667	3490	9.23	1.3	213	1.7	0.5	0.6	< 10	0.05	1.51	80.3	0.60
E885858 Orig	< 0.005																						
E885858 Dup	< 0.005																						
E885872 Orig	0.028																						
E885872 Dup	0.028																						
E885877 Orig	< 0.005																						
E885877 Dup	< 0.005																						
Method Blank		20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	4	1	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	40	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		20	< 0.5	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.1	1	5	1	0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	20	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		30	< 0.5	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.1	1	4	7	< 0.01	< 0.1	< 0.5	< 0.1	0.1	< 0.1	20	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		30	< 0.5	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.1	1	4	2	0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	40	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		30	< 0.5	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.1	1	6	1	0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	10	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		20	< 0.5	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.1	1	5	3	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	50	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885501	0.32	0.5	82.8	23.0	1.5	48.6	9.9	129	1.9	1.20	< 0.1	1	< 0.1	< 0.1	471	10.8	22.4	2.3	9.2	1.2	1.9	0.3	2.0
E885502	0.10	1.0	148	16.3	1.2	1.4	16.5	28	1.3	0.34	< 0.1	< 1	0.7	< 0.1	26	1.7	4.4	0.7	3.5	1.2	2.1	0.4	2.8
E885503	1.07	0.4	31.6	23.8	2.2	34.5	10.4	167	4.4	1.74	< 0.1	1	< 0.1	0.2	377	21.1	42.1	4.5	17.9	3.3	3.0	0.3	1.8
E885504	0.28	1.7	107	17.3	1.0	1.1	16.6	25	1.3	0.27	0.1	4	0.6	< 0.1	17	1.5	4.2	0.6	3.2	1.1	2.1	0.4	2.7
E885505	0.27	0.5	117	22.0	118	35.9	10.2	128	2.9	0.76	< 0.1	< 1	0.4	< 0.1	323	13.0	26.1	2.8	10.9	2.1	1.9	0.3	1.7
E885506	0.05	0.3	9.6	0.9	2.1	0.2	0.3	4	0.2	0.47	< 0.1	< 1	< 0.1	< 0.1	1	0.2	0.3	< 0.1	0.1	< 0.1	< 0.1	< 0.1	0.1
E885507	0.56	0.8	82.1	12.4	64.8	28.8	11.3	70	2.5	3.18	< 0.1	< 1	1.9	< 0.1	121	6.4	12.3	1.3	5.2	1.4	1.7	0.3	1.7
E885508	3.70	4.8	90.0	11.3	> 10000	11.8	10.7	25	< 0.1	1.02	< 0.1	< 1	17.1	2.0	87	5.2	10.2	1.1	5.1	1.4	1.7	0.3	1.8
E885509	0.45	3.8	581	25.1	71.1	93.5	16.6	126	6.6	2.91	0.3	3	6.1	0.6	58	18.9	39.8	4.3	17.0	3.2	3.2	0.5	2.8
E885510	7.85	19.2	6220	13.5	331	38.3	15.8	73	3.6	8.07	2.8	17	26.0	0.2	25	11.1	23.9	3.1	13.9	2.9	3.0	0.4	2.8
E885511	0.12	1.0	82.4	19.6	66.6	26.3	15.5	101	2.9	0.68	< 0.1	< 1	1.5	0.2	179	13.6	27.5	3.0	12.4	2.7	3.0	0.4	2.8
E885512	0.15	0.9	74.9	2.3	20.2	1.0	8.7	11	0.6	0.58	< 0.1	< 1	2.7	0.2	11	2.0	3.9	0.4	1.8	0.5	0.6	0.1	0.9
E885513	0.07	0.5	98.0	21.1	2.1	16.3	15.9	110	2.2	0.43	< 0.1	< 1	0.6	< 0.1	138	14.0	28.8	3.3	12.8	3.4	3.3	0.5	2.9
E885514	0.14	0.5	63.2	16.8	8.8	9.5	15.6	61	2.7	0.40	< 0.1	< 1	0.1	< 0.1	105	5.9	13.3	1.5	7.4	2.0	2.3	0.4	2.6
E885515	0.06	0.6	123	18.9	0.4	2.9	24.2	26	1.2	0.21	< 0.1	< 1	< 0.1	< 0.1	18	2.5	7.5	1.2	7.3	2.8	3.7	0.6	4.1
E885516	0.07	0.7	76.2	14.0	1.2	7.4	13.2	47	1.3	0.24	< 0.1	< 1	< 0.1	< 0.1	114	3.6	8.3	1.0	4.6	1.4	2.2	0.3	2.2
E885517	0.04	0.3	2.8	0.4	1.2	0.2	0.1	1	< 0.1	0.63	< 0.1	< 1	< 0.1	< 0.1	1	0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
E885518	0.15	0.5	109	16.8	0.9	3.4	18.5	24	0.5	0.17	< 0.1	< 1	< 0.1	< 0.1	17	1.2	3.4	0.5	3.0	1.3	2.3	0.4	2.9
E885519	0.07	0.8	73.5	12.8	0.5	2.1	12.1	25	1.8	0.36	< 0.1	< 1	< 0.1	< 0.1	38	2.9	7.3	0.9	4.3	1.3	2.0	0.3	2.1
E885520	0.05	0.2	2.6	0.8	2.2	2.4	1.7	22	0.6	0.30	< 0.1	< 1	0.2	< 0.1	21	1.8	3.3	0.4	1.4	0.3	0.3	< 0.1	0.3
E885521	0.06	0.5	45.6	17.7	1.6	9.8	12.6	68	2.9	0.53	< 0.1	< 1	0.2	< 0.1	96	9.0	19.5	2.1	9.2	2.0	2.2	0.3	2.4
E885522	0.32	0.8	96.5	19.1	18.2	71.8	14.0	98	5.0	1.78	< 0.1	1	6.8	0.1	512	17.1	35.2	3.9	15.4	3.0	2.8	0.4	2.5
E885523	0.18	0.8	136	13.4	81.7	12.4	12.5	79	3.6	1.61	< 0.1	< 1	11.3	< 0.1	95	10.3	22.3	2.3	10.3	2.1	2.3	0.4	2.3
E885524	0.20	1.0	156	3.8	171	1.1	26.9	3	1.0	1.55	0.2	3	18.3	< 0.1	8	5.0	10.7	1.2	5.5	1.3	2.4	0.5	3.3
E885525	1.06	1.4	1260	32.7	15.9	66.9	58.2	497	19.4	2.41	0.9	16	13.5	0.4	469	63.4	133	14.2	57.0	9.5	10.3	1.5	9.6
E885526	0.13	0.5	129	17.2	61.1	52.1	15.1	90	1.3	1.12	< 0.1	< 1	3.0	< 0.1	252	13.0	25.9	3.0	12.4	2.4	2.9	0.4	2.6
E885527	0.11	0.4	19.2	0.7	28.5	2.1	3.0	4	0.1	1.21	< 0.1	< 1	47.8	< 0.1	7	0.9	1.5	0.1	0.7	0.1	0.2	< 0.1	0.3
E885528	0.92	1.4	575	26.4	36.1	64.4	14.1	192	2.6	3.68	0.3	6	19.6	0.1	221	18.2	35.8	3.3	11.8	1.8	2.3	0.4	2.7
E885529	0.09	0.7	113	24.1	50.7	63.6	17.1	110	1.3	0.83	< 0.1	< 1	1.9	< 0.1	304	16.8	34.3	3.6	15.6	3.0	3.3	0.5	3.2
E885530	7.26	17.8	5900	12.9	318	36.7	14.5	68	3.5	7.70	2.7	16	24.8	0.1	25	10.3	22.6	2.9	12.9	2.9	2.7	0.4	2.5
E885531	0.06	0.6	89.0	0.9	22.2	0.2	12.3	5	0.3	1.27	< 0.1	< 1	50.6	< 0.1	1	3.7	8.0	1.0	4.7	0.8	1.7	0.2	1.8
E885532	0.06	0.6	101	21.6	32.1	41.5	15.4	97	0.7	0.56	< 0.1	< 1	1.1	< 0.1	369	16.3	30.2	3.1	11.8	2.2	2.8	0.5	2.7
E885533	3.48	6.8	51.2	2.2	> 10000	3.4	7.0	112	< 0.1	1.76	< 0.1	< 1	106	9.4	12	6.0	10.9	1.2	4.8	0.9	1.0	0.2	0.9

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885534	0.08	0.3	30.9	1.9	153	0.5	7.3	5	0.3	1.27	< 0.1	< 1	4.1	< 0.1	11	2.4	4.3	0.5	2.1	0.3	0.6	0.1	0.8
E885535	0.10	0.6	94.3	19.2	74.7	47.9	14.3	104	3.5	1.10	< 0.1	< 1	1.7	< 0.1	377	12.4	25.4	2.7	11.6	2.7	2.4	0.4	2.5
E885536	0.31	1.0	261	22.5	32.7	51.5	14.5	102	4.5	1.90	< 0.1	2	6.2	0.2	164	12.9	26.4	2.9	12.4	2.5	2.9	0.4	2.6
E885537	0.15	0.6	141	16.5	126	57.5	15.2	54	2.4	0.97	< 0.1	< 1	2.3	< 0.1	266	5.9	12.7	1.5	7.6	2.1	2.5	0.4	2.5
E885538	0.08	0.3	65.1	33.4	9.6	59.1	12.6	194	0.9	0.94	< 0.1	1	0.1	< 0.1	1140	20.9	65.2	4.8	18.3	3.2	2.9	0.4	2.2
E885539	0.12	0.4	89.9	19.2	17.0	43.8	15.5	98	0.2	0.37	< 0.1	< 1	0.3	< 0.1	223	16.9	33.3	3.5	13.4	3.1	2.8	0.4	2.9
E885540	0.05	0.2	2.2	0.9	1.2	2.4	1.9	19	0.5	0.26	< 0.1	< 1	0.2	< 0.1	17	1.7	3.4	0.4	1.6	0.4	0.3	< 0.1	0.4
E885541	0.10	0.6	94.8	17.7	98.7	24.0	12.9	81	3.0	0.61	< 0.1	< 1	0.7	< 0.1	124	9.7	20.0	2.1	9.3	1.8	2.0	0.3	2.3
E885542	0.07	0.4	67.0	16.2	3.2	10.2	13.4	83	1.9	0.48	< 0.1	< 1	0.3	< 0.1	90	11.3	23.1	2.5	11.2	2.5	2.7	0.4	2.4
E885543	0.09	0.9	229	32.5	1.1	12.5	66.3	71	1.5	0.35	0.2	< 1	< 0.1	< 0.1	86	7.9	21.0	2.7	14.8	5.0	8.4	1.5	11.0
E885544	0.25	1.3	119	19.1	0.8	6.6	23.9	54	2.9	0.28	< 0.1	1	0.1	0.1	61	2.7	7.7	1.2	6.5	2.6	3.4	0.6	3.8
E885545	0.28	0.8	153	17.3	0.8	30.3	8.1	63	3.1	0.99	< 0.1	1	0.4	< 0.1	273	12.1	22.5	2.1	7.0	1.3	1.2	0.2	1.1
E885546	0.12	0.6	147	21.0	< 0.1	7.1	38.6	111	0.6	0.23	< 0.1	< 1	0.1	< 0.1	105	16.1	34.9	4.2	18.8	5.3	6.0	0.9	6.5
E885547	0.12	0.5	140	24.9	< 0.1	39.3	31.3	108	0.1	0.12	< 0.1	< 1	< 0.1	< 0.1	696	12.9	28.9	3.4	15.8	3.8	4.8	0.8	5.3
E885548	0.08	0.4	92.2	19.6	< 0.1	16.6	35.9	20	0.1	0.05	< 0.1	< 1	< 0.1	< 0.1	303	13.3	28.0	3.3	14.4	4.3	4.4	0.7	5.0
E885549	0.47	0.7	38.5	17.9	188	4.7	8.6	124	4.4	1.87	< 0.1	< 1	7.4	< 0.1	194	21.9	43.8	4.5	18.1	3.2	2.4	0.3	1.8
E885550	7.76	18.5	6280	13.5	336	37.2	14.7	68	3.7	8.07	2.8	16	30.8	0.2	39	11.0	24.3	3.1	13.7	3.3	3.0	0.4	2.4
E885551	0.05	0.8	87.2	6.0	10.9	0.5	2.3	17	0.6	0.23	< 0.1	< 1	1.4	< 0.1	3	1.9	3.5	0.4	1.3	0.4	0.4	< 0.1	0.4
E885552	0.32	0.6	16.4	24.4	437	58.6	11.8	35	12.6	0.80	< 0.1	5	2.6	< 0.1	29	4.1	8.4	1.0	4.5	1.8	3.0	0.4	2.4
E885553	0.08	0.6	140	21.5	12.8	26.7	15.8	113	0.5	0.48	< 0.1	< 1	1.4	< 0.1	116	13.0	26.7	3.0	11.9	2.9	3.0	0.4	2.7
E885554	0.09	0.6	89.3	18.5	3.8	13.0	15.0	92	0.8	0.63	< 0.1	< 1	1.0	< 0.1	198	12.5	25.9	2.8	12.1	2.2	2.6	0.4	2.6
E885555	0.11	0.9	53.7	3.7	8.8	2.5	6.2	16	0.7	1.13	< 0.1	< 1	4.5	0.1	72	3.3	5.5	0.5	2.3	0.4	0.6	0.1	0.7
E885556	0.12	0.8	227	25.1	16.0	30.0	18.3	117	1.9	0.99	< 0.1	< 1	0.8	< 0.1	283	13.7	27.3	2.9	11.4	2.4	2.5	0.4	3.0
E885557	0.08	0.7	99.4	22.8	49.9	42.7	13.9	110	2.4	0.72	< 0.1	< 1	0.8	< 0.1	273	15.2	30.7	3.3	13.4	3.0	2.8	0.4	2.7
E885558	0.10	0.4	50.7	1.0	67.1	2.4	5.7	4	0.2	0.70	< 0.1	< 1	6.5	< 0.1	13	0.9	1.5	0.1	0.8	0.2	0.3	0.1	0.5
E885559	0.07	0.4	64.8	1.6	8.3	0.9	4.9	4	0.2	0.27	< 0.1	< 1	4.0	< 0.1	17	1.2	2.2	0.2	0.9	0.4	0.4	0.1	0.5
E885560	0.05	0.3	2.1	0.8	2.8	2.1	1.7	23	0.5	0.31	< 0.1	< 1	0.2	< 0.1	14	2.2	4.1	0.4	1.7	0.3	0.3	< 0.1	0.3
E885561	0.40	0.5	97.9	12.1	149	3.3	11.9	36	1.8	1.58	< 0.1	< 1	3.6	< 0.1	77	4.2	8.5	1.0	4.6	1.4	1.6	0.3	2.0
E885562	0.06	0.4	43.7	0.8	135	0.5	5.1	5	0.2	1.31	< 0.1	< 1	6.2	< 0.1	6	0.9	1.5	0.2	0.7	0.2	0.4	0.1	0.5
E885563	0.06	0.5	111	23.7	13.1	54.5	14.7	116	1.1	0.30	< 0.1	< 1	0.3	< 0.1	526	19.6	37.4	3.8	14.6	3.1	3.4	0.5	2.8
E885564	0.07	0.5	52.1	1.6	158	0.9	5.5	7	0.6	1.31	< 0.1	< 1	10.2	< 0.1	13	2.0	3.3	0.4	1.3	0.3	0.4	0.1	0.5
E885565	0.09	0.4	112	30.8	207	22.3	25.3	157	4.4	1.14	< 0.1	< 1	1.5	< 0.1	277	17.9	37.4	4.2	17.4	4.6	4.3	0.6	4.2
E885566	0.07	0.8	162	2.6	32.2	1.8	6.9	6	0.5	1.41	< 0.1	< 1	8.1	0.1	29	1.6	2.5	0.3	1.1	0.4	0.5	0.1	0.8
E885567	0.11	0.7	97.6	21.0	52.1	5.6	17.3	123	4.1	0.93	< 0.1	1	2.3	< 0.1	34	15.5	31.6	3.4	13.9	2.5	3.2	0.5	3.1
E885568	0.25	1.0	135	9.5	73.5	2.1	9.5	91	4.4	1.47	0.1	1	5.5	< 0.1	23	11.5	22.7	2.3	8.8	2.1	1.7	0.2	1.5
E885569	0.10	0.4	93.4	19.7	20.5	1.1	22.3	110	1.0	0.32	0.1	< 1	0.1	< 0.1	58	8.3	19.1	2.5	11.7	2.7	4.1	0.6	4.0
E885570	7.87	18.7	6220	13.4	325	36.9	14.6	67	3.6	7.76	2.7	16	29.2	0.1	61	10.6	22.9	3.1	13.2	3.0	2.7	0.4	2.6
E885571	0.08	0.4	81.4	19.7	0.9	1.5	25.8	123	3.0	0.64	< 0.1	< 1	0.2	< 0.1	38	9.5	22.6	2.9	13.4	4.0	4.5	0.7	4.7
E885572	0.46	0.7	110	12.4	6.5	3.2	12.0	32	1.4	0.35	< 0.1	< 1	0.2	< 0.1	54	1.7	4.2	0.6	3.3	1.7	1.9	0.3	2.3
E885573	0.06	0.9	117	13.2	1.3	2.1	11.3	24	1.2	0.33	< 0.1	< 1	0.5	< 0.1	38	1.1	3.2	0.5	2.8	1.0	1.8	0.3	2.1
E885574	0.10	0.9	88.2	8.4	4.0	0.3	5.4	17	0.7	1.77	< 0.1	< 1	0.4	< 0.1	9	0.3	0.7	0.1	0.7	0.4	0.8	0.1	0.9
E885575	0.08	0.9	127	13.6	1.8	6.3	12.9	27	1.2	0.72	< 0.1	< 1	0.5	< 0.1	116	1.2	3.2	0.5	2.8	1.1	1.9	0.3	2.3
E885576	0.09	0.4	81.7	14.9	0.7	1.4	17.5	76	0.3	0.15	< 0.1	< 1	< 0.1	< 0.1	59	2.8	7.0	1.0	5.1	1.8	2.8	0.5	3.2

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885577	0.11	0.8	125	11.3	14.4	4.2	12.3	47	0.8	0.31	< 0.1	< 1	0.1	< 0.1	46	3.0	7.4	1.0	5.0	1.8	2.3	0.4	2.4
E885578	0.05	0.4	124	12.0	4.4	4.5	12.1	57	0.5	0.20	< 0.1	< 1	< 0.1	< 0.1	78	2.6	6.5	0.9	4.4	1.8	2.1	0.4	2.1
E885579	0.07	0.6	87.6	8.1	186	0.7	12.6	36	0.3	0.40	< 0.1	< 1	0.1	< 0.1	13	2.9	6.9	0.9	4.7	1.4	2.1	0.3	2.3
E885580	0.06	0.2	4.0	1.1	1.7	3.5	2.1	23	0.7	0.26	< 0.1	< 1	0.2	< 0.1	36	2.3	4.8	0.5	2.1	0.4	0.3	0.1	0.3
E885581	0.10	0.8	94.9	8.3	75.4	0.3	8.9	30	1.2	0.33	< 0.1	< 1	0.3	< 0.1	7	1.4	4.0	0.6	3.3	1.1	1.6	0.3	1.7
E885582	0.10	0.5	102	15.1	12.8	0.6	13.7	89	0.1	0.22	< 0.1	< 1	< 0.1	< 0.1	53	8.4	17.8	2.0	7.9	2.2	2.6	0.4	2.5
E885583	0.04	< 0.1	96.2	16.0	0.2	0.7	14.0	107	0.6	0.49	< 0.1	< 1	< 0.1	< 0.1	41	10.1	21.2	2.4	10.0	2.3	2.9	0.4	2.6
E885584	0.24	1.2	223	15.4	1.6	9.6	17.4	56	2.3	0.22	< 0.1	< 1	0.2	< 0.1	94	4.3	10.5	1.4	7.1	1.7	3.0	0.5	3.3
E885585	0.07	0.3	99.9	6.3	128	0.2	4.7	22	0.1	0.16	< 0.1	< 1	0.3	< 0.1	13	0.9	2.7	0.4	2.3	0.7	1.1	0.2	1.1
E885586	0.07	0.2	143	13.9	4.6	1.1	14.6	66	0.2	0.16	< 0.1	< 1	< 0.1	< 0.1	99	4.4	10.7	1.3	6.8	1.7	2.7	0.4	2.9
E885587	0.14	0.5	97.3	11.9	80.2	4.2	12.2	54	0.9	0.14	< 0.1	< 1	< 0.1	< 0.1	62	3.7	9.7	1.3	6.0	2.0	2.6	0.4	2.5
E885588	0.08	2.1	116	17.6	2.5	2.8	17.8	101	3.3	1.06	< 0.1	< 1	0.1	< 0.1	58	8.3	19.9	2.5	12.2	3.1	4.1	0.6	4.0
E885589	0.11	1.0	209	19.7	< 0.1	1.2	20.2	76	2.4	1.43	< 0.1	< 1	0.3	< 0.1	42	10.8	21.3	2.6	12.0	3.1	4.3	0.6	4.1
E885590	7.87	18.9	6200	13.7	331	37.8	16.5	76	3.7	8.07	3.1	18	33.6	0.1	97	12.1	25.8	3.3	14.3	3.0	3.0	0.4	3.0
E885591	0.10	0.7	68.1	5.8	61.2	1.3	2.3	11	0.4	0.19	< 0.1	< 1	1.1	< 0.1	3	0.2	0.6	0.1	0.6	0.3	0.3	0.1	0.5
E885592	0.05	0.3	137	10.4	2.3	0.6	12.0	40	0.5	0.24	< 0.1	< 1	0.1	< 0.1	14	1.3	4.0	0.7	3.8	1.8	2.3	0.4	2.7
E885593	0.06	0.2	105	10.2	< 0.1	0.4	14.3	44	1.0	0.26	< 0.1	< 1	0.2	< 0.1	17	4.2	10.0	1.3	6.4	1.7	2.8	0.4	2.6
E885594	0.13	0.4	119	18.6	< 0.1	7.3	22.8	73	1.6	0.27	< 0.1	< 1	< 0.1	< 0.1	62	3.4	10.2	1.5	8.4	3.0	3.9	0.6	4.3
E885595	0.11	0.1	90.0	18.2	< 0.1	8.7	18.7	69	1.3	0.25	< 0.1	< 1	< 0.1	< 0.1	67	4.3	11.3	1.7	8.2	2.4	3.1	0.5	3.5
E885596	0.18	< 0.1	178	14.3	< 0.1	22.6	15.8	45	0.1	0.05	< 0.1	< 1	< 0.1	< 0.1	203	3.9	9.0	1.2	5.6	1.8	2.4	0.4	2.9
E885597	0.05	< 0.1	75.0	0.9	4.9	0.7	4.3	3	0.1	1.60	< 0.1	< 1	0.3	< 0.1	17	1.4	2.2	0.2	1.1	0.2	0.5	0.1	0.5
E885598	0.08	0.5	27.6	0.9	1.6	0.4	3.5	3	0.1	2.87	< 0.1	< 1	0.4	< 0.1	3	1.2	2.2	0.3	1.2	0.2	0.4	0.1	0.4
E885599	0.49	2.0	416	12.0	26.4	27.4	5.6	55	1.9	3.21	0.2	3	1.1	0.6	71	8.5	16.7	1.7	6.2	1.0	1.1	0.1	1.0
E885600	0.06	0.1	2.1	0.7	0.7	1.8	1.7	17	0.5	0.21	< 0.1	< 1	0.2	< 0.1	16	1.9	3.8	0.4	1.7	0.3	0.3	< 0.1	0.2
E885646	0.04	0.3	77.7	15.3	1.8	0.5	14.7	19	1.0	0.44	< 0.1	< 1	< 0.1	< 0.1	21	2.1	5.9	0.9	4.8	1.7	2.1	0.3	2.6
E885647	0.05	0.3	96.7	16.0	< 0.1	6.6	18.6	25	1.5	0.32	< 0.1	< 1	< 0.1	< 0.1	44	2.8	7.8	1.2	6.4	2.0	3.1	0.5	3.1
E885648	0.09	0.2	82.2	11.7	2.8	0.7	13.2	40	0.4	0.22	< 0.1	< 1	0.3	< 0.1	12	2.8	7.4	1.1	5.6	1.3	2.4	0.4	2.6
E885649	0.08	< 0.1	75.8	12.8	< 0.1	1.0	14.2	56	0.2	0.28	< 0.1	< 1	0.2	< 0.1	18	3.4	9.0	1.0	5.1	1.7	2.5	0.4	2.5
E885650	7.89	19.2	6190	13.2	332	38.3	15.8	77	3.6	8.06	3.1	18	34.1	0.1	50	11.4	24.5	3.2	13.6	2.7	3.1	0.5	2.8
E885851	0.17	1.1	143	7.3	19.1	12.9	2.7	40	1.4	1.56	< 0.1	< 1	0.6	0.2	50	2.4	4.9	0.5	2.0	0.5	0.5	0.1	0.4
E885852	0.30	0.4	103	15.9	7.0	23.7	13.0	37	0.8	0.57	< 0.1	< 1	< 0.1	< 0.1	86	2.9	7.5	1.1	5.3	1.8	2.4	0.4	2.4
E885853	0.34	0.5	71.2	16.6	17.1	19.3	14.0	47	1.5	0.36	< 0.1	< 1	0.1	< 0.1	36	2.6	6.7	1.0	5.3	1.7	2.3	0.4	2.5
E885854	0.23	0.2	67.0	13.0	0.6	20.5	10.3	35	0.8	0.39	< 0.1	< 1	< 0.1	< 0.1	40	2.3	6.0	0.8	4.3	1.4	1.9	0.3	2.1
E885855	0.08	0.4	114	18.1	< 0.1	3.5	24.9	13	0.5	0.23	< 0.1	< 1	< 0.1	< 0.1	39	2.9	9.1	1.4	7.7	2.5	3.6	0.6	4.1
E885856	0.12	< 0.1	108	18.5	< 0.1	7.1	27.7	114	0.1	0.15	< 0.1	< 1	< 0.1	< 0.1	120	9.1	20.7	2.6	11.4	3.5	4.5	0.7	5.0
E885857	0.06	0.2	101	17.7	< 0.1	18.6	20.3	83	0.1	0.15	< 0.1	< 1	< 0.1	< 0.1	221	9.7	21.3	2.6	11.5	2.4	3.5	0.5	3.5
E885858	0.09	0.3	106	17.0	< 0.1	6.2	21.2	86	0.4	0.33	< 0.1	< 1	< 0.1	< 0.1	76	9.6	20.9	2.5	11.1	3.0	3.6	0.6	3.7
E885859	0.07	0.3	60.3	16.2	1.2	6.4	25.1	103	1.7	0.68	< 0.1	< 1	< 0.1	< 0.1	48	12.8	26.5	3.2	13.8	3.4	4.1	0.6	4.2
E885860	0.04	< 0.1	1.7	0.6	< 0.1	1.4	1.6	20	0.4	0.22	< 0.1	< 1	0.2	< 0.1	13	1.7	3.1	0.4	1.3	0.3	0.2	< 0.1	0.3
E885870	7.60	18.9	5970	12.9	314	37.6	15.5	71	3.6	7.50	2.9	17	31.2	0.1	62	11.1	23.8	3.1	13.5	2.9	3.0	0.4	2.7
E885871	0.09	< 0.1	58.2	13.3	0.1	5.9	19.2	28	< 0.1	0.16	< 0.1	< 1	< 0.1	< 0.1	57	4.4	10.9	1.3	5.9	2.1	2.3	0.4	3.3
E885872	0.16	1.2	92.5	21.6	4780	22.1	28.9	145	4.7	1.22	0.1	2	2.7	0.1	360	15.9	34.1	4.0	16.9	3.7	4.7	0.7	4.9
E885873	0.11	0.3	102	18.6	18.1	23.6	21.6	75	0.4	0.25	< 0.1	< 1	< 0.1	< 0.1	205	10.9	24.7	2.9	12.6	2.5	3.7	0.6	3.7

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885874	0.06	0.4	214	1.5	3.4	1.1	7.3	4	0.3	1.23	0.3	< 1	0.4	< 0.1	5	2.4	4.7	0.5	2.2	0.6	0.7	0.1	0.8
E885875	0.08	0.7	44.4	1.4	6.8	1.3	10.3	8	0.3	2.06	< 0.1	< 1	0.8	< 0.1	13	1.6	3.0	0.3	1.6	0.4	0.7	0.1	1.0
E885876	0.46	2.2	2230	15.5	43.9	41.4	10.4	74	4.4	3.37	0.4	7	1.5	0.5	185	14.0	28.3	3.1	11.3	2.5	2.0	0.3	1.6
E885877	0.04	0.4	123	16.7	< 0.1	4.5	24.4	19	0.2	0.14	< 0.1	< 1	< 0.1	< 0.1	50	3.4	9.1	1.3	7.2	2.2	3.5	0.6	3.8
E885878	0.05	0.3	106	18.0	0.1	1.9	24.8	27	0.3	0.14	< 0.1	< 1	< 0.1	< 0.1	17	2.4	7.4	1.1	6.7	2.1	3.7	0.6	4.2
GXR-4 Meas	19.5	6.2	71.3	19.4	102	153	13.2	47	9.4	315	0.3	8	4.4	0.9	237	55.3	108		39.9	6.4	4.8	0.5	2.6
GXR-4 Cert	19.0	5.60	73.0	20.0	98.0	160	14.0	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
GXR-4 Meas	18.1	6.2	69.3	18.1	101	149	12.9	46	9.2	316	0.2	7	4.2	0.9	206	56.5	109		40.6	6.1	4.5	0.5	2.5
GXR-4 Cert	19.0	5.60	73.0	20.0	98.0	160	14.0	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
SDC-1 Meas			105	25.0	< 0.1	60.3		23	0.1			< 1	< 0.1		605	38.1	85.0		38.6	7.1	6.9	1.0	5.6
SDC-1 Cert			103.00	21.00	0.220	127.00		290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
SDC-1 Meas			112	24.5	< 0.1	78.2		37	0.6			< 1	< 0.1		662	41.0	90.5		40.8	8.7	7.3	1.0	5.8
SDC-1 Cert			103.00	21.00	0.220	127.00		290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
GXR-6 Meas	0.20	0.8	129	35.1	237	63.6	12.2	71	0.1	0.73	< 0.1	< 1	0.5	< 0.1	1220	12.2	33.0		11.9	2.5	2.3	0.3	2.1
GXR-6 Cert	0.290	0.940	118	35.0	330	90.0	14.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80
OREAS 97 (4 Acid) Meas	41.3	72.8	604									98	6.8										
OREAS 97 (4 Acid) Cert	40.1	71.4	646									95.7	9.23										
OREAS 97 (4 Acid) Meas	41.0	71.2	637									103	6.8										
OREAS 97 (4 Acid) Cert	40.1	71.4	646									95.7	9.23										
OREAS 98 (4 Acid) Meas	97.2	173	1320									> 200	11.3										
OREAS 98 (4 Acid) Cert	97.2	158	1360									206	20.1										
OREAS 98 (4 Acid) Meas	94.5	161	1340									> 200	7.4										
OREAS 98 (4 Acid) Cert	97.2	158	1360									206	20.1										
DNC-1a Meas			70.9	14.9		3.3	15.6	39	1.5				0.8		101	3.4			4.8				
DNC-1a Cert			70	15		5	18.0	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas			69.7	14.8		3.4	15.3	37	1.4				0.7		101	3.4			4.8				
DNC-1a Cert			70	15		5	18.0	38.0	3				0.96		118	3.6			5.20				
SBC-1 Meas	0.74		199	30.7	25.4	113	30.2	122	13.5	2.19		4	0.9		709	47.5	106	12.0	46.1	9.7	8.4	1.1	6.1
SBC-1 Cert	0.70		186	27.0	25.7	147	36.5	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
SBC-1 Meas	0.69		209	29.6	25.8	125	29.4	119	13.7	2.22		3	0.9		665	46.6	101	11.5	46.4	8.7	7.6	1.0	5.7
SBC-1 Cert	0.70		186	27.0	25.7	147	36.5	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
OREAS 45d (4-Acid) Meas	0.34		44.1	22.2	6.7	41.8	10.9	91	0.3	0.24	< 0.1	< 1	< 0.1		176	15.8	35.2	3.6	13.4	2.9	2.4	0.4	2.3
OREAS 45d (4-Acid) Cert	0.31		45.7	21.20	13.8	42.1	9.53	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 45d (4-Acid) Meas	0.34		42.8	20.9	8.3	38.5	10.0	88	0.7	0.81	< 0.1	< 1	< 0.1		169	15.0	33.3	3.3	12.7	2.7	2.3	0.3	2.0
OREAS 45d	0.31		45.7	21.20	13.8	42.1	9.53	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
(4-Acid) Cert																							
OREAS 214 Meas																							
OREAS 214 Cert																							
OREAS 214 Meas																							
OREAS 214 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 96 (4 Acid) Meas	27.5	43.8	439									69	4.9										
OREAS 96 (4 Acid) Cert	26.3	40.7	457									65.6	5.09										
OREAS 96 (4 Acid) Meas	27.6	42.9	465									71	5.0										
OREAS 96 (4 Acid) Cert	26.3	40.7	457									65.6	5.09										
OREAS 217 (Fire Assay) Meas																							
OREAS 217 (Fire Assay) Cert																							
OREAS 217 (Fire Assay) Meas																							
OREAS 217 (Fire Assay) Cert																							
OREAS 217 (Fire Assay) Meas																							
OREAS 217 (Fire Assay) Cert																							
OREAS 217 (Fire Assay) Meas																							
OREAS 217 (Fire Assay) Cert																							
OREAS 215 (Fire Assay) Meas																							
OREAS 215 (Fire Assay) Cert																							
OREAS 215 (Fire Assay) Meas																							
OREAS 215 (Fire Assay) Cert																							
OREAS 215 (Fire Assay) Meas																							
OREAS 215 (Fire Assay) Cert																							
OREAS 215 (Fire Assay) Meas																							
OREAS 215 (Fire Assay) Cert																							
E885511 Orig																							

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885511 Dup																							
E885519 Orig	0.07	0.8	73.5	12.8	0.5	2.1	12.1	25	1.8	0.36	< 0.1	< 1	< 0.1	< 0.1	38	2.9	7.3	0.9	4.3	1.3	2.0	0.3	2.1
E885519 Dup	0.06	0.7	71.5	12.5	0.4	1.9	11.5	23	1.8	0.33	< 0.1	< 1	< 0.1	< 0.1	34	2.7	7.0	0.9	4.5	1.0	1.9	0.3	2.0
E885520 Orig																							
E885520 Dup																							
E885530 Orig	7.26	17.8	5900	12.9	318	36.7	14.5	68	3.5	7.70	2.7	16	24.8	0.1	25	10.3	22.6	2.9	12.9	2.9	2.7	0.4	2.5
E885530 Dup	7.54	18.0	6070	13.2	323	36.4	14.5	68	3.5	7.64	2.7	16	29.8	0.2	29	10.7	23.4	3.0	13.1	3.0	3.0	0.4	2.5
E885531 Orig																							
E885531 Dup																							
E885548 Orig	0.08	0.4	92.2	19.6	< 0.1	16.6	35.9	20	0.1	0.05	< 0.1	< 1	< 0.1	< 0.1	303	13.3	28.0	3.3	14.4	4.3	4.4	0.7	5.0
E885548 Dup	0.09	0.6	91.1	19.8	< 0.1	16.9	36.2	57	0.1	0.14	< 0.1	< 1	0.2	< 0.1	316	13.7	29.1	3.4	15.3	3.9	4.6	0.8	5.2
E885549 Orig	0.47	0.7	38.5	17.9	188	4.7	8.6	124	4.4	1.87	< 0.1	< 1	7.4	< 0.1	194	21.9	43.8	4.5	18.1	3.2	2.4	0.3	1.8
E885549 Dup	0.45	0.8	36.2	16.8	181	4.5	8.5	119	5.0	1.88	< 0.1	< 1	7.1	< 0.1	188	21.5	43.5	4.4	16.9	3.2	2.4	0.3	1.5
E885551 Orig	0.05	0.8	87.2	6.0	10.9	0.5	2.3	17	0.6	0.23	< 0.1	< 1	1.4	< 0.1	3	1.9	3.5	0.4	1.3	0.4	0.4	< 0.1	0.4
E885551 Split	0.04	0.8	91.8	6.1	9.7	0.5	2.4	18	0.7	0.19	< 0.1	< 1	1.5	< 0.1	3	1.6	3.0	0.3	1.4	0.2	0.2	0.1	0.4
E885558 Orig																							
E885558 Dup																							
E885568 Orig																							
E885568 Dup																							
E885576 Orig	0.09	0.4	81.7	14.9	0.7	1.4	17.5	76	0.3	0.15	< 0.1	< 1	< 0.1	< 0.1	59	2.8	7.0	1.0	5.1	1.8	2.8	0.5	3.2
E885576 Dup	0.08	0.4	80.1	14.6	0.2	1.4	17.0	71	0.3	0.24	< 0.1	< 1	< 0.1	< 0.1	54	2.7	6.8	0.9	4.9	2.2	2.4	0.5	3.0
E885580 Orig																							
E885580 Dup																							
E885581 Orig	0.10	0.8	94.9	8.3	75.4	0.3	8.9	30	1.2	0.33	< 0.1	< 1	0.3	< 0.1	7	1.4	4.0	0.6	3.3	1.1	1.6	0.3	1.7
E885581 Dup	0.08	0.8	90.2	7.8	67.1	0.3	8.3	29	0.9	0.25	< 0.1	< 1	0.3	< 0.1	7	1.5	4.0	0.6	3.3	1.2	1.7	0.3	1.8
E885591 Orig																							
E885591 Dup																							
E885646 Orig	0.04	0.3	77.7	15.3	1.8	0.5	14.7	19	1.0	0.44	< 0.1	< 1	< 0.1	< 0.1	21	2.1	5.9	0.9	4.8	1.7	2.1	0.3	2.6
E885646 Split	0.04	0.2	78.9	15.6	1.9	0.5	14.3	18	0.6	0.40	< 0.1	< 1	< 0.1	< 0.1	20	2.1	5.9	0.9	4.7	1.9	2.1	0.4	2.7
E885647 Orig																							
E885647 Dup																							
E885852 Orig	0.30	0.4	103	15.9	7.0	23.7	13.0	37	0.8	0.57	< 0.1	< 1	< 0.1	< 0.1	86	2.9	7.5	1.1	5.3	1.8	2.4	0.4	2.4
E885852 Dup	0.31	0.5	107	16.0	7.8	24.7	13.3	42	1.2	0.48	< 0.1	< 1	< 0.1	< 0.1	90	2.9	7.6	1.2	5.7	2.0	2.3	0.4	2.5
E885853 Orig	0.34	0.5	71.2	16.6	17.1	19.3	14.0	47	1.5	0.36	< 0.1	< 1	0.1	< 0.1	36	2.6	6.7	1.0	5.3	1.7	2.3	0.4	2.5
E885853 Dup	0.31	0.4	70.2	16.4	19.8	19.1	14.0	47	1.6	0.38	< 0.1	< 1	0.2	< 0.1	36	2.6	6.8	0.9	4.9	1.8	2.2	0.4	2.7
E885858 Orig																							
E885858 Dup																							
E885872 Orig																							
E885872 Dup																							
E885877 Orig																							
E885877 Dup																							
Method Blank	0.04	0.1	0.6	0.2	0.2	< 0.2	< 0.1	< 1	< 0.1	0.10	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.04	0.4	< 0.2	0.2	0.4	< 0.2	< 0.1	< 1	< 0.1	0.31	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Method Blank	0.04	0.4	< 0.2	0.2	< 0.1	< 0.2	< 0.1	< 1	< 0.1	0.09	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.04	0.1	< 0.2	0.2	0.4	< 0.2	< 0.1	< 1	< 0.1	0.11	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.03	< 0.1	< 0.2	0.2	0.4	< 0.2	< 0.1	< 1	< 0.1	0.06	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.03	0.1	0.5	0.2	0.4	< 0.2	< 0.1	< 1	< 0.1	0.13	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885501	28.7	0.6	0.2	1.2	0.2	< 0.1	140	0.3	< 0.001	0.49	13.3	5.4	1.9
E885502	107	0.5	0.3	2.0	0.3	< 0.1	88.7	0.3	< 0.001	< 0.05	9.1	0.3	0.1
E885503	1.9	0.5	0.2	1.1	0.1	0.2	147	0.4	< 0.001	0.60	8.4	8.4	2.2
E885504	216	0.2	0.3	2.0	0.3	< 0.1	97.6	0.2	< 0.001	< 0.05	2.3	0.3	0.1
E885505	29.3	0.7	0.2	1.3	0.2	0.2	195	0.9	< 0.001	0.18	27.8	6.5	1.5
E885506	2.6	0.1	< 0.1	< 0.1	< 0.1	< 0.1	2.0	0.2	< 0.001	< 0.05	< 0.5	0.1	< 0.1
E885507	41.3	0.4	0.2	1.3	0.2	0.2	57.6	0.4	< 0.001	0.13	12.6	3.7	1.7
E885508	35.0	0.1	0.2	1.2	0.2	< 0.1	27.5	2.0	< 0.001	< 0.05	4.4	1.5	1.1
E885509	180	0.2	0.3	1.9	0.3	0.5	34.0	1.2	0.004	1.57	18.0	7.7	2.2
E885510	1940	0.2	0.3	1.9	0.2	< 0.1	73.3	3.6	0.012	5.69	> 5000	2.9	2.0
E885511	45.3	0.6	0.2	1.8	0.2	0.1	134	0.5	< 0.001	0.38	12.6	4.4	1.3
E885512	40.2	0.2	0.1	0.9	0.1	< 0.1	6.7	0.4	< 0.001	< 0.05	0.5	0.5	0.2
E885513	26.3	0.9	0.3	1.9	0.3	0.1	95.0	0.2	< 0.001	< 0.05	8.3	4.5	1.0
E885514	62.5	0.8	0.3	1.8	0.3	0.2	157	0.4	< 0.001	< 0.05	2.8	2.0	0.4
E885515	22.6	0.5	0.4	2.7	0.3	< 0.1	115	0.1	< 0.001	< 0.05	< 0.5	0.3	0.1
E885516	40.9	0.9	0.2	1.5	0.2	< 0.1	84.0	0.2	< 0.001	< 0.05	2.3	2.0	0.5
E885517	3.5	0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.9	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
E885518	41.8	0.8	0.3	2.3	0.3	< 0.1	25.6	0.1	< 0.001	< 0.05	0.7	0.2	0.1
E885519	101	0.4	0.2	1.4	0.2	0.1	96.8	0.3	< 0.001	< 0.05	1.5	1.2	0.3
E885520	2.5	0.1	< 0.1	0.2	< 0.1	< 0.1	2.7	0.2	< 0.001	< 0.05	< 0.5	1.1	0.4
E885521	17.4	0.7	0.2	1.4	0.2	0.2	154	0.5	< 0.001	< 0.05	2.0	3.4	0.8
E885522	50.0	0.3	0.2	1.5	0.2	0.4	100	1.5	0.001	0.69	12.9	6.6	1.9
E885523	64.0	0.8	0.2	1.4	0.2	0.3	110	0.5	0.001	0.05	7.1	3.5	1.0
E885524	24.4	0.3	0.4	2.9	0.4	< 0.1	12.2	1.0	< 0.001	< 0.05	10.9	1.0	0.2

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885525	114	1.5	1.1	7.8	1.1	1.3	392	1.6	0.001	3.44	63.9	30.8	8.0
E885526	13.9	0.9	0.2	1.6	0.2	< 0.1	109	1.0	< 0.001	1.43	34.1	4.1	1.2
E885527	10.4	0.7	< 0.1	0.4	0.1	< 0.1	2.6	0.2	< 0.001	< 0.05	6.9	0.2	< 0.1
E885528	45.7	0.7	0.3	2.0	0.2	0.1	68.9	0.1	0.001	1.89	110	32.0	6.5
E885529	75.9	0.8	0.3	2.0	0.2	< 0.1	116	0.2	< 0.001	1.17	9.7	5.4	1.6
E885530	1830	0.2	0.2	1.8	0.2	0.1	72.0	3.1	0.010	5.41	> 5000	2.7	1.9
E885531	5.9	0.5	0.2	1.5	0.2	< 0.1	6.6	1.1	< 0.001	< 0.05	< 0.5	0.2	< 0.1
E885532	64.7	0.7	0.2	1.6	0.2	< 0.1	73.6	0.1	< 0.001	1.07	7.4	6.0	1.7
E885533	136	0.2	0.1	0.7	0.1	< 0.1	7.9	0.4	0.001	< 0.05	1.4	0.9	0.2
E885534	1.2	0.2	0.1	0.7	0.1	< 0.1	18.1	0.2	< 0.001	< 0.05	< 0.5	0.2	0.1
E885535	62.2	0.6	0.2	1.7	0.2	0.2	193	0.5	< 0.001	0.38	8.0	4.2	1.2
E885536	83.0	0.4	0.2	1.6	0.2	0.3	61.7	1.5	< 0.001	1.00	23.0	3.9	1.3
E885537	55.2	0.6	0.2	1.7	0.2	0.1	156	1.0	< 0.001	0.54	7.9	1.1	0.3
E885538	< 0.2	0.1	0.2	1.4	0.2	< 0.1	220	0.3	< 0.001	0.72	17.7	18.2	4.6
E885539	20.4	0.4	0.3	1.8	0.2	< 0.1	130	0.1	< 0.001	0.26	10.9	6.8	1.9
E885540	1.6	0.1	< 0.1	0.2	< 0.1	< 0.1	3.9	0.1	< 0.001	< 0.05	0.6	1.0	0.3
E885541	4.0	0.8	0.2	1.5	0.2	0.2	88.5	1.6	< 0.001	0.09	2.8	3.4	1.0
E885542	28.5	0.5	0.2	1.6	0.2	0.1	170	0.2	< 0.001	< 0.05	5.1	3.5	0.9
E885543	98.9	0.4	1.1	7.3	0.9	< 0.1	124	0.2	0.001	< 0.05	1.5	2.0	0.5
E885544	205	0.2	0.4	2.8	0.4	0.2	67.6	1.2	< 0.001	< 0.05	2.1	0.5	0.1
E885545	42.4	0.1	0.1	0.8	0.1	0.3	76.1	0.2	< 0.001	1.26	13.2	12.6	2.9
E885546	36.8	0.3	0.6	4.3	0.6	< 0.1	99.0	0.1	< 0.001	< 0.05	3.8	4.1	1.0
E885547	35.0	0.2	0.5	3.5	0.5	< 0.1	92.1	0.1	< 0.001	0.14	4.3	4.0	1.0
E885548	29.7	0.2	0.5	3.1	0.4	< 0.1	265	0.1	< 0.001	< 0.05	5.9	3.4	1.0
E885549	39.2	0.5	0.1	1.0	0.1	0.3	146	0.7	< 0.001	< 0.05	11.5	9.5	4.4
E885550	1970	0.2	0.2	1.7	0.2	0.1	74.9	2.9	0.011	5.46	> 5000	2.7	1.9
E885551	8.5	0.1	< 0.1	0.3	0.1	< 0.1	3.3	0.2	< 0.001	< 0.05	0.7	0.7	0.2
E885552	1.2	0.1	0.1	0.5	0.1	0.9	26.2	0.8	< 0.001	0.49	28.7	11.8	7.2
E885553	6.4	0.5	0.3	1.9	0.2	< 0.1	87.8	0.1	< 0.001	0.13	9.0	4.7	1.4
E885554	59.1	0.7	0.3	1.7	0.2	< 0.1	270	0.1	< 0.001	< 0.05	5.7	4.1	1.2
E885555	17.3	0.2	0.1	0.6	0.1	< 0.1	3.1	0.3	< 0.001	< 0.05	< 0.5	0.6	0.2
E885556	109	0.7	0.4	2.6	0.3	< 0.1	20.3	0.1	< 0.001	0.37	4.4	5.4	1.5
E885557	34.9	0.6	0.2	1.5	0.2	0.2	170	0.2	< 0.001	0.36	11.4	5.0	1.4
E885558	6.7	0.2	0.1	0.5	0.1	< 0.1	1.7	0.5	< 0.001	< 0.05	< 0.5	0.1	< 0.1
E885559	12.0	0.1	0.1	0.5	0.1	< 0.1	7.7	1.3	< 0.001	< 0.05	< 0.5	0.1	< 0.1
E885560	1.7	0.2	< 0.1	0.2	< 0.1	< 0.1	3.3	0.1	< 0.001	< 0.05	< 0.5	1.0	0.3
E885561	17.9	0.8	0.2	1.3	0.2	0.1	139	2.5	< 0.001	< 0.05	4.9	0.9	0.3
E885562	10.3	0.2	0.1	0.4	0.1	< 0.1	2.2	0.5	< 0.001	< 0.05	< 0.5	0.2	0.1
E885563	70.3	0.3	0.2	1.4	0.2	< 0.1	148	0.1	< 0.001	0.45	12.1	6.7	1.3
E885564	9.5	0.2	0.1	0.5	0.1	< 0.1	6.4	0.3	< 0.001	< 0.05	< 0.5	0.5	0.1
E885565	4.8	0.9	0.4	2.8	0.4	0.2	182	0.8	< 0.001	0.24	7.5	7.4	2.2
E885566	11.5	0.2	0.1	0.6	0.1	< 0.1	17.4	0.3	< 0.001	< 0.05	< 0.5	0.5	0.2
E885567	113	0.7	0.3	1.9	0.2	0.3	74.3	0.5	< 0.001	< 0.05	6.7	5.7	1.5

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885568	51.4	0.1	0.2	1.3	0.2	0.3	13.9	0.8	< 0.001	< 0.05	2.5	6.9	1.8
E885569	500	0.3	0.4	2.4	0.3	< 0.1	142	0.1	< 0.001	< 0.05	1.3	2.2	0.7
E885570	1940	0.2	0.2	1.8	0.2	0.1	71.2	3.1	0.010	5.43	> 5000	2.8	1.9
E885571	197	0.4	0.4	2.9	0.4	0.1	230	0.2	< 0.001	< 0.05	1.5	2.9	0.8
E885572	95.0	0.3	0.2	1.3	0.2	< 0.1	44.6	0.4	< 0.001	< 0.05	3.0	0.4	0.2
E885573	143	0.6	0.2	1.3	0.2	< 0.1	26.3	0.3	< 0.001	< 0.05	< 0.5	0.3	0.1
E885574	40.2	0.2	0.1	0.5	0.1	< 0.1	1.8	0.4	< 0.001	< 0.05	< 0.5	0.4	0.1
E885575	36.5	1.0	0.2	1.5	0.2	< 0.1	24.1	0.3	< 0.001	< 0.05	< 0.5	0.4	0.2
E885576	37.8	0.3	0.3	1.7	0.2	< 0.1	70.2	0.1	< 0.001	< 0.05	0.6	1.2	0.4
E885577	105	0.6	0.2	1.3	0.2	< 0.1	34.7	0.3	< 0.001	< 0.05	1.5	0.8	0.2
E885578	49.0	0.3	0.2	1.2	0.1	< 0.1	55.6	< 0.1	< 0.001	< 0.05	1.2	0.6	0.3
E885579	46.0	0.6	0.2	1.1	0.2	< 0.1	62.5	0.2	< 0.001	< 0.05	0.8	0.5	0.2
E885580	1.4	0.4	< 0.1	0.3	< 0.1	< 0.1	4.3	0.1	< 0.001	< 0.05	0.7	1.1	0.3
E885581	192	1.0	0.1	0.9	0.1	< 0.1	38.0	0.5	< 0.001	< 0.05	0.6	0.4	0.1
E885582	43.4	0.4	0.3	1.7	0.2	< 0.1	72.5	0.1	< 0.001	< 0.05	2.2	3.0	1.0
E885583	67.2	0.4	0.2	1.6	0.2	< 0.1	78.2	0.1	< 0.001	< 0.05	3.4	3.6	1.3
E885584	468	0.8	0.3	1.9	0.3	0.1	65.2	0.3	< 0.001	< 0.05	9.7	0.9	0.3
E885585	14.0	0.6	0.1	0.5	0.1	< 0.1	12.2	0.1	< 0.001	< 0.05	1.4	0.3	0.1
E885586	189	0.5	0.3	1.7	0.2	< 0.1	109	< 0.1	< 0.001	< 0.05	2.8	1.1	0.3
E885587	159	0.5	0.2	1.4	0.2	< 0.1	71.5	0.2	< 0.001	< 0.05	2.4	1.0	0.3
E885588	361	0.5	0.3	2.1	0.3	< 0.1	71.4	0.3	< 0.001	< 0.05	4.2	2.3	0.7
E885589	331	0.8	0.3	2.0	0.3	< 0.1	88.0	0.2	< 0.001	< 0.05	1.8	1.5	0.4
E885590	1970	0.2	0.3	1.9	0.2	0.1	80.5	5.1	0.011	5.67	> 5000	3.0	2.0
E885591	20.6	0.4	< 0.1	0.2	< 0.1	< 0.1	4.6	0.6	< 0.001	< 0.05	3.7	0.1	< 0.1
E885592	69.0	0.7	0.2	1.2	0.1	< 0.1	18.9	0.1	< 0.001	< 0.05	2.3	0.4	0.1
E885593	184	0.8	0.2	1.4	0.2	< 0.1	50.7	0.1	< 0.001	< 0.05	0.7	0.8	0.2
E885594	60.4	0.7	0.4	2.6	0.3	< 0.1	120	0.1	< 0.001	< 0.05	2.5	1.2	0.3
E885595	94.3	0.6	0.3	2.2	0.3	< 0.1	128	0.1	< 0.001	< 0.05	3.4	1.1	0.3
E885596	4.1	0.4	0.3	1.7	0.2	< 0.1	57.1	0.1	< 0.001	0.08	1.0	0.7	0.2
E885597	8.6	0.2	0.1	0.3	0.1	< 0.1	4.9	0.2	< 0.001	< 0.05	< 0.5	0.1	< 0.1
E885598	27.5	0.3	< 0.1	0.2	< 0.1	< 0.1	4.0	0.2	< 0.001	< 0.05	1.1	0.1	< 0.1
E885599	91.4	0.3	0.1	0.7	0.1	0.1	18.4	0.4	< 0.001	2.39	93.7	3.0	0.9
E885600	1.5	0.2	< 0.1	0.2	< 0.1	< 0.1	2.8	0.1	< 0.001	< 0.05	0.5	1.0	0.3
E885646	60.2	0.8	0.3	1.7	0.2	< 0.1	143	0.1	< 0.001	< 0.05	1.5	0.2	0.1
E885647	70.9	0.6	0.3	2.2	0.3	< 0.1	92.7	0.1	< 0.001	< 0.05	1.0	0.3	0.1
E885648	80.6	0.4	0.2	1.4	0.2	< 0.1	63.7	< 0.1	< 0.001	< 0.05	< 0.5	0.6	0.2
E885649	113	0.4	0.2	1.6	0.2	< 0.1	59.0	0.1	< 0.001	< 0.05	< 0.5	1.2	0.3
E885650	1940	0.3	0.3	1.9	0.2	< 0.1	73.6	8.0	0.013	5.76	> 5000	2.8	2.0
E885851	36.1	0.2	0.1	0.3	< 0.1	0.1	13.7	0.3	< 0.001	1.15	8.3	1.4	0.4
E885852	119	0.5	0.2	1.3	0.2	< 0.1	52.9	0.1	< 0.001	0.07	8.4	0.6	0.2
E885853	130	0.4	0.2	1.5	0.2	< 0.1	28.9	0.3	< 0.001	< 0.05	10.6	0.5	0.2
E885854	146	0.6	0.2	1.2	0.2	< 0.1	30.6	0.1	< 0.001	< 0.05	5.6	0.4	0.1
E885855	133	0.7	0.4	2.8	0.4	< 0.1	113	0.1	< 0.001	< 0.05	< 0.5	0.3	0.1

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885856	72.9	0.3	0.5	3.0	0.4	< 0.1	104	< 0.1	< 0.001	< 0.05	3.1	3.5	1.0
E885857	92.0	0.4	0.3	2.3	0.3	< 0.1	124	< 0.1	< 0.001	< 0.05	3.7	3.3	0.9
E885858	78.4	0.4	0.3	2.4	0.3	< 0.1	123	0.1	< 0.001	< 0.05	4.2	3.4	1.0
E885859	56.3	0.6	0.4	2.6	0.3	< 0.1	19.0	0.1	< 0.001	< 0.05	1.5	3.5	0.9
E885860	1.2	0.2	< 0.1	0.2	< 0.1	< 0.1	2.1	0.1	< 0.001	< 0.05	< 0.5	1.0	0.3
E885870	1900	0.2	0.3	1.7	0.2	0.1	73.8	3.0	0.009	5.59	> 5000	2.8	2.0
E885871	82.1	0.3	0.4	2.3	0.3	< 0.1	106	< 0.1	< 0.001	< 0.05	4.9	2.1	0.4
E885872	253	0.2	0.5	3.2	0.4	0.1	141	5.0	< 0.001	0.11	5.2	4.6	1.3
E885873	119	0.4	0.4	2.3	0.3	< 0.1	127	0.1	< 0.001	< 0.05	6.6	3.9	1.0
E885874	22.0	0.2	0.1	0.7	0.1	< 0.1	2.6	0.5	< 0.001	< 0.05	1.1	0.5	< 0.1
E885875	22.6	0.2	0.1	1.0	0.1	< 0.1	3.1	0.5	< 0.001	< 0.05	1.1	0.2	< 0.1
E885876	54.4	0.3	0.1	1.1	0.2	0.3	25.0	1.7	0.001	2.66	86.1	4.1	1.2
E885877	89.6	0.3	0.4	2.6	0.3	< 0.1	99.2	0.1	< 0.001	< 0.05	< 0.5	0.3	0.1
E885878	76.6	0.3	0.4	2.8	0.4	< 0.1	124	0.1	< 0.001	< 0.05	< 0.5	0.3	0.1
GXR-4 Meas	6310		0.2	1.0	0.1	0.5	228	37.4		3.50	50.1	19.8	5.8
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	221	30.8		3.20	52.0	22.5	6.20
GXR-4 Meas	6280		0.2	1.0	0.1	0.5	215	33.7		3.40	49.0	19.5	5.7
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	221	30.8		3.20	52.0	22.5	6.20
SDC-1 Meas	27.8		0.5	3.2		< 0.1	165	0.1		0.59	24.0	11.8	2.8
SDC-1 Cert	30.000		0.65	4.00		1.20	180.00	0.80		0.70	25.00	12.00	3.10
SDC-1 Meas	29.8		0.5	3.4		< 0.1	182	0.1		0.62	24.5	12.3	2.9
SDC-1 Cert	30.000		0.65	4.00		1.20	180.00	0.80		0.70	25.00	12.00	3.10
GXR-6 Meas	65.4			1.6	0.2	< 0.1	37.4	0.1		2.30	102	5.2	1.4
GXR-6 Cert	66.0			2.40	0.330	0.485	35.0	1.90		2.20	101	5.30	1.54
OREAS 97 (4 Acid) Meas	> 10000										149		
OREAS 97 (4 Acid) Cert	63100.00										147		
OREAS 97 (4 Acid) Meas	> 10000										150		
OREAS 97 (4 Acid) Cert	63100.00										147		
OREAS 98 (4 Acid) Meas	> 10000										353		
OREAS 98 (4 Acid) Cert	148000.0										345		
OREAS 98 (4 Acid) Meas	> 10000										347		
OREAS 98 (4 Acid) Cert	148000.0										345		
DNC-1a Meas	99.2			1.9			149				5.5		
DNC-1a Cert	100			2.0			144				6.3		
DNC-1a Meas	97.8			1.9			142				5.2		
DNC-1a Cert	100			2.0			144				6.3		
SBC-1 Meas	30.0		0.5	3.4	0.5	0.8	188	1.6		0.92	37.0	15.5	5.9

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	178.0	1.60		0.89	35.0	15.8	5.76
SBC-1 Meas	29.0		0.5	3.3	0.5	0.8	177	1.5		0.90	39.4	15.5	5.8
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	178.0	1.60		0.89	35.0	15.8	5.76
OREAS 45d (4-Acid) Meas	374			1.4	0.2	< 0.1	31.9	0.1		0.18	21.0	14.7	2.9
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	31.30	1.62		0.27	21.8	14.5	2.63
OREAS 45d (4-Acid) Meas	356			1.3	0.2	< 0.1	29.1	0.1		0.15	20.0	13.8	2.7
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	31.30	1.62		0.27	21.8	14.5	2.63
OREAS 214 Meas													
OREAS 214 Cert													
OREAS 214 Meas													
OREAS 214 Cert													
OREAS 218 Meas													
OREAS 218 Cert													
OREAS 96 (4 Acid) Meas	> 10000										101		
OREAS 96 (4 Acid) Cert	39300										101		
OREAS 96 (4 Acid) Meas	> 10000										101		
OREAS 96 (4 Acid) Cert	39300										101		
OREAS 217 (Fire Assay) Meas													
OREAS 217 (Fire Assay) Cert													
OREAS 217 (Fire Assay) Meas													
OREAS 217 (Fire Assay) Cert													
OREAS 217 (Fire Assay) Meas													
OREAS 217 (Fire Assay) Cert													
OREAS 217 (Fire Assay) Meas													
OREAS 217 (Fire Assay) Cert													
OREAS 215 (Fire Assay) Meas													
OREAS 215 (Fire Assay) Cert													
OREAS 215 (Fire Assay) Meas													

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
OREAS 215 (Fire Assay) Cert													
OREAS 215 (Fire Assay) Meas													
OREAS 215 (Fire Assay) Cert													
OREAS 215 (Fire Assay) Meas													
OREAS 215 (Fire Assay) Cert													
E885511 Orig													
E885511 Dup													
E885519 Orig	101	0.4	0.2	1.4	0.2	0.1	96.8	0.3	< 0.001	< 0.05	1.5	1.2	0.3
E885519 Dup	97.6	0.5	0.2	1.3	0.2	0.1	90.9	0.2	< 0.001	< 0.05	1.4	1.2	0.3
E885520 Orig													
E885520 Dup													
E885530 Orig	1830	0.2	0.2	1.8	0.2	0.1	72.0	3.1	0.010	5.41	> 5000	2.7	1.9
E885530 Dup	1890	0.2	0.2	1.7	0.3	< 0.1	67.9	3.0	0.010	5.56	> 5000	2.8	1.9
E885531 Orig													
E885531 Dup													
E885548 Orig	29.7	0.2	0.5	3.1	0.4	< 0.1	265	0.1	< 0.001	< 0.05	5.9	3.4	1.0
E885548 Dup	29.8	0.2	0.5	3.2	0.4	< 0.1	267	0.1	< 0.001	< 0.05	6.0	3.5	1.0
E885549 Orig	39.2	0.5	0.1	1.0	0.1	0.3	146	0.7	< 0.001	< 0.05	11.5	9.5	4.4
E885549 Dup	39.1	0.3	0.1	1.0	0.1	0.4	143	0.8	< 0.001	< 0.05	11.2	9.1	4.2
E885551 Orig	8.5	0.1	< 0.1	0.3	0.1	< 0.1	3.3	0.2	< 0.001	< 0.05	0.7	0.7	0.2
E885551 Split	9.5	0.2	< 0.1	0.3	< 0.1	< 0.1	3.3	0.2	< 0.001	< 0.05	< 0.5	0.6	0.2
E885558 Orig													
E885558 Dup													
E885568 Orig													
E885568 Dup													
E885576 Orig	37.8	0.3	0.3	1.7	0.2	< 0.1	70.2	0.1	< 0.001	< 0.05	0.6	1.2	0.4
E885576 Dup	38.5	0.4	0.3	1.7	0.2	< 0.1	68.1	0.1	< 0.001	< 0.05	< 0.5	1.1	0.3
E885580 Orig													
E885580 Dup													
E885581 Orig	192	1.0	0.1	0.9	0.1	< 0.1	38.0	0.5	< 0.001	< 0.05	0.6	0.4	0.1
E885581 Dup	188	1.1	0.1	0.9	0.1	< 0.1	38.6	0.3	< 0.001	< 0.05	0.5	0.4	0.1
E885591 Orig													
E885591 Dup													
E885646 Orig	60.2	0.8	0.3	1.7	0.2	< 0.1	143	0.1	< 0.001	< 0.05	1.5	0.2	0.1
E885646 Split	59.8	0.6	0.3	1.6	0.2	< 0.1	143	0.1	< 0.001	< 0.05	1.6	0.2	0.1
E885647 Orig													
E885647 Dup													
E885852 Orig	119	0.5	0.2	1.3	0.2	< 0.1	52.9	0.1	< 0.001	0.07	8.4	0.6	0.2
E885852 Dup	121	0.5	0.2	1.3	0.2	< 0.1	53.3	0.2	< 0.001	0.08	8.6	0.6	0.2

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885853 Orig	130	0.4	0.2	1.5	0.2	< 0.1	28.9	0.3	< 0.001	< 0.05	10.6	0.5	0.2
E885853 Dup	130	0.4	0.2	1.6	0.2	< 0.1	27.5	0.2	< 0.001	< 0.05	11.1	0.5	0.2
E885858 Orig													
E885858 Dup													
E885872 Orig													
E885872 Dup													
E885877 Orig													
E885877 Dup													
Method Blank	0.3	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	0.4	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	< 0.2	0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	0.7	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	0.5	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	0.4	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank													
Method Blank													
Method Blank													
Method Blank													
Method Blank													
Method Blank													
Method Blank													
Method Blank													
Method Blank													
Method Blank													
Method Blank													
Method Blank													

Quality Analysis ... *Innovative Technologies*

Date Submitted: 16-Aug-18
Invoice No.: A18-11076
Invoice Date: 09-Oct-18
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

66 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A18-11076**

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

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 16-Aug-18
Invoice No.: A18-11076
Invoice Date: 09-Oct-18
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

66 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4 Total Digestion ICP/MS

REPORT **A18-11076**

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

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
E885836	0.163	20	3.2	0.18	0.30	0.72	0.01	0.26	1.1	31	27	156	1.76	< 0.1	20.9	0.1	0.1	< 0.1	40	2.88	0.12	9.1	< 0.05
E885837	< 0.005	< 20	25.3	1.57	3.80	7.87	0.34	4.62	0.2	229	165	1190	7.97	0.6	145	2.3	0.4	0.8	30	0.06	3.45	47.1	0.86
E885838	0.014	< 20	1.0	0.02	0.06	0.13	< 0.01	0.18	0.2	7	67	94	0.41	< 0.1	2.9	< 0.1	< 0.1	< 0.1	20	0.09	0.07	1.8	< 0.05
E885839	< 0.005	< 20	1.7	0.05	0.22	0.45	0.02	0.41	0.2	19	13	239	0.87	< 0.1	23.2	< 0.1	0.1	< 0.1	20	0.07	0.11	4.5	< 0.05
E885840	< 0.005	< 20	6.3	0.07	0.02	0.26	0.08	0.03	0.2	6	8	41	0.39	0.4	1.2	0.2	0.2	< 0.1	30	< 0.05	0.19	0.8	0.07
E885841	< 0.005	< 20	9.3	1.62	4.61	7.73	0.12	7.75	0.2	288	160	1580	8.48	1.0	153	2.0	0.2	0.7	20	< 0.05	0.20	48.4	0.67
E885842	< 0.005	< 20	7.8	0.96	4.87	7.09	0.07	8.62	0.1	242	180	1270	7.09	0.5	120	1.5	< 0.1	0.5	10	< 0.05	0.13	41.5	0.44
E885843	< 0.005	< 20	5.6	1.80	4.79	7.61	0.15	7.98	0.1	186	231	1500	6.83	0.5	120	1.5	< 0.1	0.5	< 10	< 0.05	0.12	43.2	0.51
E885844	0.006	< 20	9.0	2.27	4.19	7.70	0.22	7.38	0.2	194	153	1490	8.70	0.6	128	2.2	0.3	0.7	< 10	< 0.05	0.39	40.9	0.70
E885845	0.048	< 20	1.3	0.18	0.08	0.43	0.02	0.21	0.1	12	12	80	0.49	< 0.1	3.5	< 0.1	< 0.1	< 0.1	< 10	< 0.05	0.07	1.5	< 0.05
E885846	< 0.005	< 20	18.3	2.36	3.68	8.09	0.13	5.32	0.1	174	115	1120	7.09	0.4	82.5	1.7	0.3	0.5	< 10	< 0.05	0.11	35.2	0.51
E885847	0.006	< 20	9.2	0.63	1.64	3.56	0.06	2.50	< 0.1	104	80	476	3.00	0.2	42.7	0.5	< 0.1	0.2	< 10	< 0.05	0.06	15.4	0.20
E885848	0.011	< 20	27.1	2.09	4.06	8.51	0.07	4.61	0.2	272	194	1230	8.30	0.4	144	2.1	0.4	0.6	< 10	0.08	0.18	45.1	0.67
E885849	< 0.005	< 20	9.1	2.15	4.14	8.05	0.17	7.99	0.2	267	200	1500	7.86	0.6	112	1.7	0.1	0.6	< 10	0.06	0.37	39.9	0.64
E885850	0.477	< 20	18.9	1.09	2.99	6.36	1.23	3.09	26.2	93	165	1590	6.73	2.1	110	1.9	0.7	0.6	50	63.8	1.35	23.3	0.59
E886101	< 0.005	< 20	9.5	2.33	4.18	7.42	0.10	6.33	0.2	267	125	1390	8.64	1.0	110	2.7	0.4	0.8	< 10	0.07	0.14	36.4	0.85
E886102	< 0.005	< 20	14.1	1.28	3.18	7.69	0.04	7.41	0.3	215	141	1050	6.87	0.2	115	1.9	0.2	0.7	10	0.11	0.18	39.5	0.62
E886103	0.396	< 20	1.0	0.26	0.05	0.50	0.05	0.12	0.1	9	6	64	0.59	< 0.1	2.3	< 0.1	< 0.1	< 0.1	50	0.24	< 0.05	1.8	< 0.05
E886104	2.24	< 20	1.5	0.16	0.09	0.51	0.05	0.12	0.2	16	12	83	2.09	< 0.1	7.6	0.1	< 0.1	< 0.1	< 10	0.11	0.12	8.2	< 0.05
E886105	0.701	< 20	0.7	0.06	0.36	0.27	0.02	0.42	0.1	15	26	263	3.12	< 0.1	10.7	0.2	< 0.1	< 0.1	< 10	0.25	0.06	7.6	0.11
E886106	< 0.005	< 20	5.4	0.67	1.88	4.41	0.06	4.28	0.2	158	74	722	4.77	0.4	37.0	1.2	< 0.1	0.4	< 10	< 0.05	0.08	20.3	0.38
E886107	< 0.005	< 20	13.3	> 3.00	3.17	8.96	0.37	3.04	0.3	249	194	1100	6.77	2.7	125	1.8	0.8	0.6	< 10	0.21	0.72	30.3	0.43
E886108	< 0.005	< 20	3.4	0.36	0.50	1.29	0.03	1.20	0.1	36	33	235	1.46	0.2	12.1	0.3	< 0.1	< 0.1	10	< 0.05	0.20	7.1	0.07
E886109	< 0.005	< 20	8.1	1.74	4.72	8.16	0.10	7.59	0.1	184	165	1390	8.37	0.5	114	2.2	0.2	0.7	< 10	< 0.05	0.19	44.3	0.73
E886110	3.43	< 20	23.0	0.63	1.50	3.63	0.76	2.26	0.2	61	48	577	17.8	1.1	26.3	1.2	1.0	0.3	120	1.06	8.20	9.4	0.53
E886111	0.011	< 20	6.7	1.87	4.44	7.73	0.10	7.94	0.2	257	250	1420	8.12	0.4	158	1.9	0.2	0.7	< 10	0.10	0.12	51.1	0.69
E886112	0.010	< 20	11.3	1.40	4.02	7.10	0.08	7.98	0.2	264	111	1290	8.34	0.9	109	2.2	< 0.1	0.8	< 10	0.09	0.12	44.7	0.76
E886113	< 0.005	< 20	11.5	1.52	4.50	7.59	0.09	6.52	0.1	278	121	1420	8.64	0.3	118	1.9	0.1	0.6	< 10	0.06	0.12	43.3	0.61
E886114	< 0.005	< 20	4.9	0.18	1.08	1.70	0.03	2.28	0.2	65	46	535	2.53	0.1	28.2	0.5	< 0.1	0.1	< 10	< 0.05	0.41	12.9	0.14
E886115	< 0.005	< 20	8.6	0.21	2.01	2.57	0.15	6.12	0.1	92	54	910	3.73	0.1	46.5	0.7	< 0.1	0.2	< 10	< 0.05	0.70	17.3	0.15
E886116	0.010	< 20	11.7	1.84	4.68	8.05	0.18	7.44	0.2	261	241	1340	8.32	0.4	72.8	1.4	0.1	0.4	< 10	< 0.05	0.66	43.6	0.33
E886117	< 0.005	< 20	11.2	2.20	1.06	5.69	0.59	1.14	0.1	122	88	245	5.68	3.0	5.3	1.4	1.4	0.4	< 10	2.20	3.41	3.1	0.65
E886118	0.015	< 20	18.2	2.22	1.36	5.97	1.06	1.17	5.3	118	91	220	10.7	3.3	225	2.2	1.3	0.6	< 10	1.13	11.4	101	1.11
E886119	0.009	< 20	21.1	2.22	1.61	6.31	1.50	1.10	5.5	142	96	250	11.6	3.1	239	1.5	1.5	0.5	< 10	0.85	15.8	108	1.22
E886120	< 0.005	< 20	5.7	0.05	0.01	0.19	0.06	< 0.01	0.1	3	10	52	0.56	1.0	1.7	0.3	< 0.1	< 0.1	< 10	< 0.05	0.21	0.9	0.06
E886121	0.025	< 20	23.0	2.00	1.81	6.20	0.49	1.05	< 0.1	129	124	434	6.84	3.0	123	2.2	0.9	0.7	< 10	0.73	3.72	42.6	1.10
E886122	0.014	470	1.6	0.05	0.37	0.34	< 0.01	0.45	0.1	10	220	192	0.90	< 0.1	47.0	< 0.1	< 0.1	< 0.1	< 10	0.46	< 0.05	5.6	< 0.05
E886123	0.220	160	1.1	0.02	0.19	0.16	< 0.01	0.27	0.1	4	62	118	0.85	< 0.1	27.7	< 0.1	< 0.1	< 0.1	40	3.34	< 0.05	2.3	< 0.05
E886124	0.049	550	8.0	0.07	9.08	1.75	0.08	13.3	0.2	27	2930	1690	5.98	0.2	1180	0.4	0.1	0.1	30	0.50	0.19	71.6	0.42
E886125	0.023	50	4.9	0.02	11.0	0.96	0.03	5.48	0.2	49	701	1800	5.70	0.1	583	0.3	< 0.1	0.1	10	0.59	0.12	41.9	0.34
E886126	0.007	< 20	8.4	0.01	12.3	1.35	< 0.01	5.41	0.1	71	899	1280	5.79	0.2	752	0.3	< 0.1	< 0.1	< 10	0.26	0.09	49.1	0.15
E886127	0.020	< 20	11.2	0.44	1.94	3.11	0.62	0.61	0.1	54	2030	286	2.63	0.6	336	0.6	0.2	0.2	< 10	0.27	0.21	51.1	0.29
E886128	< 0.005	< 20	8.6	< 0.01	12.3	2.41	< 0.01	1.15	< 0.1	103	757	1030	7.04	0.2	1590	0.2	< 0.1	< 0.1	< 10	< 0.05	0.05	90.0	< 0.05

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
E886129	< 0.005	< 20	5.3	< 0.01	11.2	1.63	< 0.01	6.39	0.1	79	1210	892	5.59	0.2	1260	0.2	< 0.1	< 0.1	< 10	< 0.05	< 0.05	82.4	0.09
E886130	1.08	< 20	8.2	2.35	1.50	8.16	1.26	4.03	0.3	161	19	1040	6.50	1.4	15.4	2.1	0.7	0.7	30	1.01	1.21	15.3	0.87
E886131	< 0.005	< 20	4.5	0.01	14.1	1.63	< 0.01	4.27	0.1	74	847	1010	5.32	0.2	1310	0.1	< 0.1	< 0.1	< 10	< 0.05	0.06	72.3	0.12
E886132	< 0.005	< 20	1.8	< 0.01	12.7	0.86	< 0.01	3.28	< 0.1	< 1	2870	1480	7.29	< 0.1	998	< 0.1	< 0.1	< 0.1	20	< 0.05	< 0.05	67.9	< 0.05
E886133	< 0.005	< 20	8.3	< 0.01	9.65	1.33	< 0.01	9.00	< 0.1	70	1770	1320	5.60	0.2	907	0.3	< 0.1	0.1	< 10	< 0.05	0.05	50.0	0.22
E886134	< 0.005	< 20	8.1	< 0.01	13.2	1.62	< 0.01	5.54	< 0.1	60	471	1400	5.85	0.3	1270	0.4	< 0.1	0.1	< 10	< 0.05	< 0.05	61.2	0.44
E886135	< 0.005	< 20	5.8	0.01	11.0	1.71	< 0.01	8.74	0.1	74	1200	1160	4.74	0.3	1050	0.4	< 0.1	0.1	< 10	< 0.05	0.08	55.9	1.16
E886136	< 0.005	< 20	8.4	1.19	6.24	5.21	0.19	8.68	0.2	216	1500	2190	7.67	0.4	515	1.1	< 0.1	0.4	< 10	< 0.05	0.34	73.0	0.30
E886137	< 0.005	< 20	13.7	1.15	7.15	4.45	0.12	10.5	< 0.1	168	1320	1840	6.83	0.5	403	0.9	< 0.1	0.3	< 10	< 0.05	0.36	56.7	0.30
E886138	< 0.005	< 20	13.2	0.70	8.88	3.99	0.07	8.34	< 0.1	179	1720	1590	7.33	0.5	523	0.9	< 0.1	0.3	20	< 0.05	0.31	68.9	0.27
E886139	< 0.005	< 20	7.7	0.73	7.03	4.70	0.10	8.65	0.1	182	1370	1280	7.04	0.3	259	1.0	< 0.1	0.3	10	< 0.05	0.26	50.1	0.29
E886140	< 0.005	20	5.6	0.06	0.03	0.20	0.06	0.03	< 0.1	2	20	56	0.47	0.9	2.0	0.2	< 0.1	< 0.1	< 10	< 0.05	0.14	0.7	< 0.05
E886141	< 0.005	< 20	16.0	0.87	3.53	7.83	2.09	7.83	< 0.1	105	126	1120	5.79	1.7	90.3	1.7	0.4	0.5	< 10	0.08	0.64	25.2	0.90
E886142	< 0.005	< 20	11.2	0.73	4.84	6.60	0.75	10.7	0.1	129	190	1350	5.08	1.9	88.6	1.1	0.4	0.4	< 10	< 0.05	0.70	25.9	0.62
E886143	< 0.005	< 20	10.1	0.70	4.30	7.63	0.51	11.4	0.1	196	137	1380	6.72	1.9	87.3	1.3	0.8	0.4	< 10	0.06	0.74	28.0	0.74
E886144	< 0.005	< 20	29.2	0.85	2.96	8.98	1.15	5.88	0.1	186	67	771	5.47	2.4	99.7	1.3	0.6	0.4	< 10	0.13	1.28	30.3	0.72
E886145	0.053	< 20	3.8	0.07	0.49	2.42	0.46	3.33	< 0.1	81	8	274	1.70	< 0.1	13.2	< 0.1	< 0.1	< 0.1	20	0.54	0.29	4.8	0.09
E886146	< 0.005	< 20	10.2	> 3.00	1.67	9.12	0.53	9.34	< 0.1	106	150	818	4.42	2.0	170	1.2	0.3	0.4	< 10	0.11	0.12	24.8	0.64
E886147	< 0.005	< 20	8.2	> 3.00	0.29	6.89	0.67	0.88	0.1	6	11	210	1.70	6.4	2.6	2.8	1.3	0.8	60	0.26	0.71	4.1	0.68
E886148	< 0.005	< 20	33.5	1.90	3.23	8.59	0.93	5.21	< 0.1	247	26	1620	9.23	1.9	44.8	2.8	0.9	0.9	< 10	< 0.05	3.92	34.3	0.89
E886149	< 0.005	< 20	3.3	> 3.00	0.09	6.46	0.80	0.44	< 0.1	6	9	105	1.09	4.9	0.6	2.5	0.7	0.8	< 10	0.12	0.95	1.8	0.50
E886150	1.11	< 20	24.0	0.30	1.82	4.96	1.31	1.58	46.3	77	47	1830	7.80	2.6	27.4	1.9	0.6	0.6	60	> 100	1.58	17.4	0.59
E886151	< 0.005	< 20	12.6	1.94	2.39	6.64	0.32	4.26	0.2	152	8	2070	13.4	1.4	4.2	4.4	0.5	1.3	< 10	0.06	0.61	50.3	1.19
GXR-4 Meas		< 20	10.5	0.55	1.71	6.80	4.39	0.99	0.4	81	43	134	2.97	1.6	37.1		1.9		< 10	3.74	2.61	13.8	1.30
GXR-4 Cert		4.50	11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	42.0		1.90		110	4.00	2.80	14.6	1.63
SDC-1 Meas		< 20	31.8	1.63	1.04	8.56	1.33	1.03		43	47	864	4.73	1.2	34.4	3.6	2.6	1.2	20		3.81	17.5	1.55
SDC-1 Cert		13.00	34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	38.0	4.10	3.00	1.50	200.00		4.00	18.0	1.70
GXR-6 Meas		< 20	32.8	0.10	0.62	> 10.0	1.28	0.16	0.2	166	65	1020	5.48	3.3	23.1		1.0		< 10	0.35	3.70	12.9	0.59
GXR-6 Cert		9.80	32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	27.0		1.40		68.0	1.30	4.20	13.8	0.760
OREAS 97 (4 Acid) Meas																				16.9		60.5	
OREAS 97 (4 Acid) Cert																				19.6		62.9	
OREAS 98 (4 Acid) Meas																				48.2		130	
OREAS 98 (4 Acid) Cert																				45.1		121	
DNC-1a Meas			4.4	1.46				8.00		140	138		6.76		260							55.2	0.55
DNC-1a Cert			5.2	1.40				8.21		148	270		1.25		247							57	0.59
SBC-1 Meas			156						0.4	213	78			4.1	85.4	3.7	3.2	1.2			7.74	22.2	1.85
SBC-1 Cert			163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40			8.2	22.7	1.98
OREAS 45d (4-Acid) Meas			21.6	0.11	0.24	8.21	0.46	0.18		90	476	465	14.6	1.6	236	1.3	0.7	0.4			3.68	29.4	0.56
OREAS 45d (4-Acid) Cert			21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830	231.0	1.38	0.79	0.46			3.910	29.50	0.57

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
OREAS 220 (Fire Assay) Meas	0.840																						
OREAS 220 (Fire Assay) Cert	0.866																						
OREAS 96 (4 Acid) Meas																				10.4		50.8	
OREAS 96 (4 Acid) Cert																				11.5		49.9	
OREAS 621 (4 Acid) Meas			13.7	1.44	0.38	6.82	2.10	2.12	288	34	33	541	3.98	5.3	29.1		1.7			71.3	3.17	31.0	
OREAS 621 (4 Acid) Cert			14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41	26.2		1.69			69.0	3.28	29.3	
OREAS 209 (Fire Assay) Meas	1.53																						
OREAS 209 (Fire Assay) Cert	1.58																						
E885836 Orig	0.163																						
E885836 Dup	0.119																						
E886103 Orig		< 20	1.0	0.26	0.05	0.50	0.05	0.12	0.1	9	6	64	0.59	< 0.1	2.3	< 0.1	< 0.1	< 0.1	50	0.24	< 0.05	1.8	< 0.05
E886103 Dup		< 20	0.9	0.28	0.05	0.50	0.05	0.12	0.2	8	51	57	0.61	< 0.1	2.7	< 0.1	< 0.1	< 0.1	< 10	0.07	0.06	1.8	< 0.05
E886106 Orig	< 0.005																						
E886106 Dup	< 0.005																						
E886117 Orig	< 0.005																						
E886117 Dup	< 0.005																						
E886131 Orig	< 0.005																						
E886131 Dup	< 0.005																						
E886133 Orig		< 20	8.3	< 0.01	9.65	1.33	< 0.01	9.00	< 0.1	70	1770	1320	5.60	0.2	907	0.3	< 0.1	0.1	< 10	< 0.05	0.05	50.0	0.22
E886133 Dup		< 20	8.1	< 0.01	9.68	1.28	< 0.01	9.07	0.2	70	1490	1280	5.50	0.2	891	0.4	< 0.1	0.1	< 10	< 0.05	< 0.05	49.5	0.20
E886134 Orig		< 20	8.1	< 0.01	13.2	1.62	< 0.01	5.54	< 0.1	60	471	1400	5.85	0.3	1270	0.4	< 0.1	0.1	< 10	< 0.05	< 0.05	61.2	0.44
E886134 Dup		< 20	8.3	< 0.01	13.0	1.65	< 0.01	5.77	< 0.1	63	481	1520	6.17	0.3	1330	0.4	< 0.1	0.1	< 10	< 0.05	< 0.05	66.1	0.38
E886135 Orig	< 0.005	< 20	5.8	0.01	11.0	1.71	< 0.01	8.74	0.1	74	1200	1160	4.74	0.3	1050	0.4	< 0.1	0.1	< 10	< 0.05	0.08	55.9	1.16
E886135 Split	< 0.005	< 20	5.7	0.01	10.3	1.73	< 0.01	8.45	0.1	72	1070	1150	4.68	0.3	1040	0.4	< 0.1	0.1	< 10	0.08	0.08	56.5	1.18
E886139 Orig	< 0.005																						
E886139 Dup	< 0.005																						
E886148 Orig	< 0.005																						
E886148 Dup	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank		< 20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	14	6	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 10	< 0.05	< 0.05	< 0.1	< 0.05

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

E885836	0.08	2.4	43.7	1.8	2.8	0.6	0.8	3	0.2	0.29	0.6	< 1	0.3	0.4	7	0.2	0.5	< 0.1	0.4	0.1	< 0.1	< 0.1	0.1
E885837	0.04	< 0.1	101	17.7	< 0.1	31.4	17.9	21	0.1	0.20	< 0.1	< 1	< 0.1	< 0.1	107	3.1	7.4	1.2	6.3	1.8	2.7	0.5	3.7
E885838	0.03	0.1	4.8	0.6	1.2	0.5	0.4	< 1	< 0.1	0.19	< 0.1	< 1	0.1	< 0.1	3	0.1	0.3	< 0.1	0.2	< 0.1	< 0.1	< 0.1	< 0.1
E885839	0.05	0.7	11.6	1.3	1.3	1.0	0.8	1	0.2	0.27	< 0.1	< 1	< 0.1	0.2	7	0.3	0.6	< 0.1	0.3	< 0.1	0.1	< 0.1	0.1
E885840	0.06	0.2	2.8	0.8	0.8	3.4	2.0	19	0.7	0.27	< 0.1	< 1	0.2	< 0.1	24	2.3	3.9	0.5	1.9	0.3	0.3	< 0.1	0.4
E885841	0.04	0.4	91.5	14.6	< 0.1	3.5	16.8	29	1.5	0.28	< 0.1	< 1	< 0.1	< 0.1	24	2.0	5.7	1.0	5.4	1.8	2.5	0.5	3.4
E885842	0.05	0.4	63.3	12.4	1.0	1.2	11.7	12	0.8	0.72	< 0.1	< 1	< 0.1	< 0.1	12	1.9	4.9	0.9	4.3	1.1	1.8	0.3	2.3
E885843	0.03	0.3	69.9	12.2	< 0.1	2.7	12.0	12	< 0.1	0.07	< 0.1	< 1	< 0.1	< 0.1	31	1.8	5.1	0.8	4.3	1.2	1.8	0.3	2.5
E885844	< 0.02	0.4	98.0	15.2	0.5	6.9	16.9	12	< 0.1	0.06	< 0.1	< 1	< 0.1	< 0.1	49	3.0	8.0	1.3	6.7	1.9	2.7	0.5	3.2
E885845	0.06	0.7	3.7	1.0	9.4	1.0	0.8	< 1	0.1	0.16	< 0.1	< 1	0.2	< 0.1	6	0.1	0.3	< 0.1	0.2	< 0.1	< 0.1	< 0.1	0.1
E885846	< 0.02	0.4	86.0	11.8	3.4	4.1	13.2	8	0.2	0.10	< 0.1	< 1	0.1	< 0.1	32	2.4	6.5	1.1	5.5	1.7	2.3	0.4	2.7
E885847	< 0.02	0.5	33.5	6.6	3.7	2.1	4.3	4	0.6	0.12	< 0.1	< 1	0.4	< 0.1	12	0.7	1.9	0.3	1.4	0.5	0.7	0.1	0.8
E885848	< 0.02	0.6	90.3	14.6	11.1	2.1	15.1	9	1.7	0.17	< 0.1	< 1	0.5	< 0.1	17	2.6	6.9	1.2	5.8	1.7	2.1	0.4	3.0
E885849	0.03	1.1	73.1	13.5	12.1	4.8	14.1	10	1.9	0.89	< 0.1	< 1	1.1	< 0.1	28	2.4	6.4	1.0	5.5	1.8	2.2	0.4	2.7
E885850	4.55	12.2	4010	13.5	251	41.2	13.7	57	5.1	7.80	1.7	11	20.7	0.1	94	11.9	24.9	3.3	13.8	2.7	2.6	0.4	2.6
E886101	< 0.02	0.6	92.3	15.3	4.0	1.5	20.0	23	1.7	0.64	< 0.1	< 1	0.7	< 0.1	22	3.4	9.1	1.5	7.4	2.2	3.1	0.6	4.1
E886102	0.03	0.6	73.7	12.6	6.8	1.2	15.0	4	< 0.1	0.12	< 0.1	< 1	0.1	< 0.1	13	2.1	6.0	1.0	5.4	1.4	2.3	0.4	2.9
E886103	< 0.02	0.7	6.1	1.0	4.0	1.8	0.5	< 1	< 0.1	0.17	< 0.1	< 1	0.2	< 0.1	23	0.2	0.4	< 0.1	0.3	< 0.1	0.1	< 0.1	< 0.1
E886104	< 0.02	2.0	6.0	1.4	< 0.1	2.4	0.8	3	0.1	0.26	< 0.1	< 1	0.3	0.2	16	0.3	0.6	< 0.1	0.4	< 0.1	0.2	< 0.1	0.1
E886105	< 0.02	2.4	38.0	1.1	< 0.1	0.8	2.5	2	0.1	0.38	< 0.1	< 1	0.1	0.2	8	0.6	1.3	0.2	1.0	0.3	0.5	< 0.1	0.6
E886106	0.02	0.7	48.2	14.1	< 0.1	1.2	9.8	10	0.9	0.46	< 0.1	< 1	0.5	< 0.1	11	1.5	3.9	0.6	3.3	0.9	1.4	0.3	1.8
E886107	0.22	2.9	175	17.2	0.5	10.0	14.1	80	4.6	1.31	< 0.1	2	0.8	1.3	103	7.1	12.8	1.5	6.3	1.7	2.1	0.4	2.7
E886108	< 0.02	0.6	9.2	2.4	< 0.1	0.9	2.3	6	0.3	0.17	< 0.1	< 1	0.2	< 0.1	6	0.5	1.5	0.2	1.1	0.3	0.3	< 0.1	0.4
E886109	0.04	0.6	98.3	14.6	7.0	2.2	16.9	14	< 0.1	0.10	< 0.1	< 1	0.2	< 0.1	22	2.9	7.8	1.3	6.3	1.6	2.5	0.5	3.4
E886110	0.50	0.6	57.7	8.4	218	33.7	9.8	36	2.5	5.33	< 0.1	4	2.9	0.2	167	11.0	22.3	2.8	10.5	2.4	1.8	0.3	1.8
E886111	0.07	0.7	89.6	13.3	11.7	2.2	15.3	16	0.2	0.15	< 0.1	< 1	0.2	< 0.1	25	2.3	6.5	1.0	5.8	1.7	2.3	0.4	3.1
E886112	0.05	0.6	84.4	14.2	5.9	1.4	17.4	27	0.2	0.12	< 0.1	< 1	0.2	< 0.1	9	3.1	8.3	1.3	6.7	2.4	2.6	0.5	3.4
E886113	0.03	0.5	91.3	13.3	1.5	1.0	15.6	5	1.1	0.19	< 0.1	< 1	0.4	< 0.1	17	1.8	5.3	0.9	4.8	1.6	2.3	0.4	3.1
E886114	< 0.02	0.5	27.5	3.5	1.5	3.5	3.7	2	0.4	0.26	< 0.1	< 1	0.2	< 0.1	9	0.6	1.6	0.3	1.3	0.3	0.6	< 0.1	0.7
E886115	0.07	0.7	84.6	6.3	6.0	11.2	5.0	4	0.7	0.20	< 0.1	< 1	0.3	< 0.1	19	1.0	2.4	0.4	1.8	0.6	0.7	0.1	0.8
E886116	0.33	0.6	88.8	10.9	4.6	3.2	9.8	5	0.9	0.19	< 0.1	< 1	0.3	< 0.1	23	0.7	2.1	0.4	2.0	1.0	1.4	0.3	2.1
E886117	6.43	7.8	59.3	13.9	< 0.1	24.3	8.9	104	4.5	6.23	< 0.1	1	0.1	2.7	75	3.7	7.1	0.8	3.5	0.8	1.1	0.2	1.8
E886118	5.74	7.4	1490	15.2	0.1	51.1	13.3	109	3.4	5.08	0.3	1	0.1	2.9	52	14.4	31.6	3.9	15.2	2.9	3.1	0.5	3.4
E886119	5.48	8.0	1730	16.5	0.1	68.6	10.8	108	2.4	5.63	0.3	2	0.1	2.6	63	14.6	32.6	4.1	15.7	3.5	3.0	0.5	2.6
E886120	0.03	0.6	8.1	0.7	0.6	2.7	2.0	24	0.5	0.44	< 0.1	< 1	0.2	< 0.1	16	2.0	3.8	0.5	1.8	0.4	0.3	< 0.1	0.3
E886121	3.84	6.3	157	14.2	5.8	13.7	14.7	105	5.5	4.54	< 0.1	< 1	0.1	3.3	56	21.4	46.2	5.7	23.2	4.3	4.2	0.6	3.6
E886122	0.14	0.4	18.9	0.9	60.8	0.2	0.5	2	< 0.1	0.27	< 0.1	< 1	3.7	< 0.1	7	0.7	2.7	0.2	0.7	0.2	0.1	< 0.1	< 0.1
E886123	0.10	0.4	9.1	0.5	23.5	< 0.2	0.2	< 1	< 0.1	0.32	< 0.1	< 1	17.8	< 0.1	5	0.2	1.2	< 0.1	0.3	< 0.1	< 0.1	< 0.1	< 0.1
E886124	0.53	0.6	161	3.7	1180	2.7	3.3	8	0.2	0.30	< 0.1	< 1	23.5	< 0.1	22	0.9	2.5	0.3	1.7	0.4	0.7	0.1	0.7
E886125	0.13	0.4	70.2	2.0	630	1.2	2.5	5	< 0.1	0.16	< 0.1	< 1	7.1	< 0.1	15	2.9	5.7	0.6	2.7	0.4	0.5	< 0.1	0.5
E886126	0.04	0.6	61.0	2.6	442	0.3	2.2	5	< 0.1	0.15	< 0.1	< 1	7.0	< 0.1	13	0.5	1.4	0.2	1.0	0.3	0.4	< 0.1	0.4
E886127	0.17	0.6	111	6.5	331	15.3	4.6	25	0.3	0.43	< 0.1	< 1	5.4	< 0.1	178	7.0	14.0	1.6	7.1	1.0	1.1	0.2	1.0
E886128	< 0.02	0.5	33.4	4.0	9.0	0.2	1.8	6	0.2	0.16	< 0.1	< 1	3.9	< 0.1	2	0.4	0.9	0.1	0.6	0.2	0.2	< 0.1	0.3
E886129	0.12	0.4	62.7	3.1	418	< 0.2	1.4	6	0.1	0.11	< 0.1	< 1	3.4	< 0.1	1	0.6	1.2	0.2	0.8	< 0.1	0.3	< 0.1	0.3
E886130	0.65	1.0	104	15.0	16.2	33.8	18.3	24	3.6	10.4	0.1	2	7.8	0.2	643	14.4	29.8	4.0	17.4	3.5	3.3	0.5	3.5
E886131	< 0.02	0.6	39.2	2.9	6.0	0.3	1.4	6	0.1	1.04	< 0.1	< 1	3.1	< 0.1	2	0.5	1.3	0.2	0.8	0.3	0.3	< 0.1	0.3

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E886132	< 0.02	0.5	73.3	1.9	4.3	< 0.2	0.6	3	< 0.1	0.17	< 0.1	< 1	3.4	0.1	1	0.2	0.5	< 0.1	0.3	0.1	0.1	< 0.1	< 0.1
E886133	0.02	0.3	61.1	2.5	166	0.2	2.6	6	0.1	0.12	< 0.1	< 1	1.9	< 0.1	2	0.8	2.3	0.4	1.7	0.2	0.5	< 0.1	0.6
E886134	0.08	0.3	36.3	3.0	478	< 0.2	2.7	12	0.3	0.15	< 0.1	< 1	2.8	< 0.1	1	1.8	4.1	0.5	2.5	0.4	0.6	< 0.1	0.6
E886135	0.05	0.3	30.4	3.5	76.4	< 0.2	3.1	8	0.2	0.16	< 0.1	< 1	0.9	< 0.1	2	2.6	5.2	0.7	2.8	0.6	0.7	0.1	0.7
E886136	0.09	0.2	75.7	9.1	1.6	3.9	8.4	6	0.9	0.17	< 0.1	< 1	0.1	< 0.1	57	1.2	3.5	0.6	3.2	0.8	1.3	0.2	1.8
E886137	< 0.02	0.3	63.9	7.7	0.8	4.2	6.9	10	0.8	0.11	< 0.1	< 1	< 0.1	< 0.1	56	0.8	2.3	0.4	2.2	1.0	1.2	0.2	1.3
E886138	< 0.02	0.3	70.0	7.0	1.1	1.3	6.4	11	0.7	0.16	< 0.1	< 1	< 0.1	< 0.1	16	0.5	1.8	0.3	2.1	0.6	0.9	0.2	1.4
E886139	< 0.02	0.2	66.0	7.8	0.7	2.1	6.9	4	0.4	0.12	< 0.1	< 1	0.1	< 0.1	21	1.0	2.9	0.4	2.4	0.6	0.9	0.2	1.3
E886140	< 0.02	0.1	29.9	0.7	1.1	2.4	1.5	24	0.4	0.24	< 0.1	< 1	0.2	< 0.1	15	1.6	3.0	0.4	1.3	0.4	0.3	< 0.1	0.3
E886141	0.09	0.3	62.0	18.7	0.3	62.0	12.6	59	< 0.1	0.07	< 0.1	< 1	< 0.1	< 0.1	2880	18.2	32.3	3.7	14.6	2.8	2.6	0.4	2.4
E886142	0.09	0.4	66.5	12.3	1.1	31.7	9.4	65	0.5	0.11	< 0.1	< 1	0.4	< 0.1	316	10.5	22.1	2.7	10.7	1.7	2.0	0.3	2.0
E886143	0.59	0.4	92.5	15.1	3.6	18.7	10.0	63	1.4	0.84	< 0.1	1	0.4	< 0.1	203	15.9	30.0	3.5	14.0	2.5	2.5	0.3	2.2
E886144	0.05	0.2	69.1	20.6	9.2	46.4	9.8	85	1.6	0.36	< 0.1	< 1	0.3	< 0.1	1690	12.1	24.5	3.0	11.6	2.1	2.1	0.3	2.0
E886145	0.72	1.3	17.4	6.4	1.3	18.9	0.7	1	< 0.1	0.42	< 0.1	< 1	0.3	0.1	186	2.4	4.0	0.4	1.7	0.2	0.2	< 0.1	0.1
E886146	0.21	0.2	45.4	18.0	1.0	10.5	9.4	66	0.5	0.43	< 0.1	< 1	0.2	< 0.1	828	12.7	24.7	3.0	10.8	2.3	2.0	0.3	1.9
E886147	0.08	0.4	30.0	15.5	1.0	21.4	21.1	199	6.6	0.72	< 0.1	1	0.6	< 0.1	349	29.6	56.5	6.5	22.4	3.8	3.9	0.6	3.9
E886148	0.18	0.3	162	19.0	< 0.1	42.9	22.2	58	0.3	0.13	< 0.1	< 1	0.2	< 0.1	202	5.8	11.8	1.7	8.6	2.1	3.4	0.6	4.3
E886149	0.06	0.5	17.6	13.4	0.5	25.3	21.8	121	8.8	1.23	< 0.1	< 1	0.2	< 0.1	418	33.0	60.2	6.7	22.3	4.1	3.9	0.6	3.8
E886150	7.83	20.6	6700	12.6	309	43.2	14.2	77	4.1	8.65	3.1	18	45.3	0.2	59	11.8	24.5	3.5	14.3	3.1	2.9	0.4	2.7
E886151	0.03	0.6	147	19.6	< 0.1	10.9	33.1	42	< 0.1	0.15	< 0.1	< 1	0.1	< 0.1	76	5.5	14.4	2.4	12.1	3.6	5.0	0.9	6.4
GXR-4 Meas	19.1	6.4	68.7	16.5	89.4	158	11.5	44	9.2	336	0.2	8	4.4	1.1	244	57.5	108		40.8	6.7	4.7	0.4	2.4
GXR-4 Cert	19.0	5.60	73.0	20.0	98.0	160	14.0	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
SDC-1 Meas			111	20.2	< 0.1	61.1		37	0.3			< 1	< 0.1		656	43.4	93.3		43.6	7.8	6.9	1.0	6.1
SDC-1 Cert			103.00	21.00	0.220	127.00		290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
GXR-6 Meas	0.17	1.1	127	31.1	282	57.7	10.7	97	4.2	1.89	< 0.1	1	2.5	< 0.1	1160	12.7	32.9		12.0	2.4	2.2	0.3	2.3
GXR-6 Cert	0.290	0.940	118	35.0	330	90.0	14.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80
OREAS 97 (4 Acid) Meas	41.8	70.2	598									87	6.0										
OREAS 97 (4 Acid) Cert	40.1	71.4	646									95.7	9.23										
OREAS 98 (4 Acid) Meas	99.5	190	1430									> 200	13.2										
OREAS 98 (4 Acid) Cert	97.2	158	1360									206	20.1										
DNC-1a Meas			69.0	12.9		3.7	13.9	37	1.5				0.8		95	3.5			4.7				
DNC-1a Cert			70	15		5	18.0	38.0	3				0.96		118	3.6			5.20				
SBC-1 Meas	0.69		196	24.3	23.2	158	28.9	129	14.9	2.36		4	1.0		267	51.3	110	13.3	51.6	9.4	8.0	1.1	6.3
SBC-1 Cert	0.70		186	27.0	25.7	147	36.5	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
OREAS 45d (4-Acid) Meas	0.32		45.3	20.4	5.5	46.3	10.6	52	0.4	0.49	< 0.1	< 1	< 0.1		178	17.3	36.1	4.0	14.2	2.7	2.5	0.4	2.2
OREAS 45d (4-Acid) Cert	0.31		45.7	21.20	13.8	42.1	9.53	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire																							

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Assay) Cert																							
OREAS 96 (4 Acid) Meas	29.2	44.1	459									63	4.1										
OREAS 96 (4 Acid) Cert	26.3	40.7	457									65.6	5.09										
OREAS 621 (4 Acid) Meas	4.05	5.4	> 10000	26.5	65.3	86.0	11.3	190	10.3	14.4	1.8	6	47.8			19.9	46.6					0.4	
OREAS 621 (4 Acid) Cert	3.93	5.64	52200	24.6	77.0	84.0	11.1	168	8.61	13.6	1.83	5.25	139			21.6	46.6					0.460	
OREAS 209 (Fire Assay) Meas																							
OREAS 209 (Fire Assay) Cert																							
E885836 Orig																							
E885836 Dup																							
E886103 Orig	< 0.02	0.7	6.1	1.0	4.0	1.8	0.5	< 1	< 0.1	0.17	< 0.1	< 1	0.2	< 0.1	23	0.2	0.4	< 0.1	0.3	< 0.1	0.1	< 0.1	< 0.1
E886103 Dup	< 0.02	0.8	7.5	1.0	0.7	1.9	0.5	< 1	< 0.1	0.15	< 0.1	< 1	0.2	< 0.1	22	0.2	0.4	< 0.1	0.2	0.1	< 0.1	< 0.1	< 0.1
E886106 Orig																							
E886106 Dup																							
E886117 Orig																							
E886117 Dup																							
E886131 Orig																							
E886131 Dup																							
E886133 Orig	0.02	0.3	61.1	2.5	166	0.2	2.6	6	0.1	0.12	< 0.1	< 1	1.9	< 0.1	2	0.8	2.3	0.4	1.7	0.2	0.5	< 0.1	0.6
E886133 Dup	0.02	0.2	91.9	2.5	159	< 0.2	2.5	5	0.1	0.13	< 0.1	< 1	1.8	< 0.1	2	0.8	2.3	0.3	1.7	0.3	0.5	< 0.1	0.6
E886134 Orig	0.08	0.3	36.3	3.0	478	< 0.2	2.7	12	0.3	0.15	< 0.1	< 1	2.8	< 0.1	1	1.8	4.1	0.5	2.5	0.4	0.6	< 0.1	0.6
E886134 Dup	0.08	0.3	38.0	3.2	495	< 0.2	2.8	12	0.3	0.15	< 0.1	< 1	2.3	< 0.1	1	1.7	4.1	0.5	2.6	0.5	0.6	< 0.1	0.7
E886135 Orig	0.05	0.3	30.4	3.5	76.4	< 0.2	3.1	8	0.2	0.16	< 0.1	< 1	0.9	< 0.1	2	2.6	5.2	0.7	2.8	0.6	0.7	0.1	0.7
E886135 Split	0.06	0.4	32.3	3.5	76.9	< 0.2	3.0	9	0.2	0.15	< 0.1	< 1	1.1	< 0.1	2	2.6	5.1	0.7	2.6	0.8	0.7	0.1	0.7
E886139 Orig																							
E886139 Dup																							
E886148 Orig																							
E886148 Dup																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.02	0.2	0.3	0.2	< 0.1	< 0.2	< 0.1	< 1	< 0.1	0.14	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885836	4590	< 0.1	< 0.1	0.1	< 0.1	< 0.1	6.7	2.9	0.002	< 0.05	1.2	< 0.1	< 0.1
E885837	90.1	0.3	0.3	2.2	0.3	< 0.1	90.2	< 0.1	0.002	0.20	2.1	0.3	< 0.1
E885838	89.8	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	1.6	2.2	0.002	< 0.05	1.0	< 0.1	< 0.1

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885839	87.1	< 0.1	< 0.1	0.1	< 0.1	< 0.1	5.5	3.2	0.002	< 0.05	1.1	< 0.1	< 0.1
E885840	2.6	< 0.1	< 0.1	0.3	< 0.1	< 0.1	3.8	2.0	0.002	0.06	1.5	1.1	0.4
E885841	83.7	0.3	0.3	2.0	0.3	< 0.1	90.2	0.3	0.002	0.06	1.8	0.3	< 0.1
E885842	92.4	0.3	0.2	1.5	0.2	< 0.1	101	0.2	0.001	< 0.05	0.9	0.2	< 0.1
E885843	87.9	0.2	0.2	1.5	0.2	< 0.1	98.7	< 0.1	0.002	0.06	0.9	0.2	< 0.1
E885844	56.8	0.2	0.3	2.0	0.3	< 0.1	104	< 0.1	0.001	0.07	1.5	0.3	< 0.1
E885845	108	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	5.1	1.4	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
E885846	57.2	0.2	0.2	1.4	0.2	< 0.1	101	< 0.1	0.001	0.05	0.9	0.2	< 0.1
E885847	11.2	0.2	< 0.1	0.5	< 0.1	< 0.1	25.1	0.5	0.001	< 0.05	< 0.5	< 0.1	< 0.1
E885848	137	0.4	0.3	1.8	0.2	0.1	98.7	0.3	0.002	< 0.05	1.6	0.2	< 0.1
E885849	83.3	< 0.1	0.3	1.7	0.2	0.1	85.9	0.4	0.040	0.06	1.0	0.2	< 0.1
E885850	1300	< 0.1	0.3	1.8	0.3	0.3	188	2.5	0.010	3.01	> 5000	3.4	1.7
E886101	76.9	0.3	0.4	2.3	0.3	< 0.1	134	0.2	0.007	< 0.05	2.0	0.3	< 0.1
E886102	114	0.2	0.3	1.8	0.2	< 0.1	117	< 0.1	0.002	< 0.05	2.3	0.2	< 0.1
E886103	24.2	0.3	< 0.1	< 0.1	< 0.1	< 0.1	4.9	1.4	0.002	< 0.05	< 0.5	< 0.1	< 0.1
E886104	124	0.1	< 0.1	< 0.1	< 0.1	< 0.1	4.3	32.9	0.002	0.06	0.6	0.1	< 0.1
E886105	226	< 0.1	< 0.1	0.2	< 0.1	< 0.1	1.0	2.4	0.001	< 0.05	< 0.5	< 0.1	< 0.1
E886106	45.2	0.4	0.2	1.1	0.1	< 0.1	49.0	0.6	0.003	< 0.05	0.5	0.1	< 0.1
E886107	224	< 0.1	0.3	1.9	0.3	0.4	66.3	0.8	0.003	0.09	4.9	3.6	1.0
E886108	1.3	0.1	< 0.1	0.3	< 0.1	< 0.1	12.0	0.8	0.002	< 0.05	< 0.5	< 0.1	< 0.1
E886109	111	0.3	0.3	2.1	0.3	< 0.1	118	0.1	0.002	< 0.05	3.2	0.3	< 0.1
E886110	71.4	0.2	0.2	1.1	0.2	0.1	148	30.4	0.002	0.21	12.5	2.6	0.8
E886111	162	0.3	0.3	1.8	0.2	< 0.1	113	0.2	0.002	< 0.05	2.8	0.2	< 0.1
E886112	155	0.3	0.3	2.2	0.3	< 0.1	106	0.1	0.002	< 0.05	1.5	0.3	< 0.1
E886113	51.6	0.4	0.3	1.9	0.2	< 0.1	85.3	0.2	0.001	< 0.05	1.1	0.2	< 0.1
E886114	11.8	0.4	< 0.1	0.4	< 0.1	< 0.1	17.1	0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
E886115	18.1	0.2	< 0.1	0.7	< 0.1	< 0.1	21.4	0.1	0.001	0.09	0.6	< 0.1	< 0.1
E886116	8.5	0.4	0.2	1.4	0.2	< 0.1	85.2	0.5	0.001	< 0.05	3.5	< 0.1	< 0.1
E886117	775	< 0.1	0.2	1.6	0.2	0.3	46.3	1.7	0.004	0.35	7.8	1.9	1.1
E886118	1600	< 0.1	0.3	2.1	0.3	0.3	38.7	0.8	0.012	0.58	8.3	5.1	1.7
E886119	875	0.2	0.2	1.5	0.2	0.2	38.7	0.7	0.010	0.77	8.8	4.4	1.7
E886120	4.8	0.2	< 0.1	0.3	< 0.1	< 0.1	2.4	0.1	0.001	< 0.05	1.2	1.0	0.3
E886121	267	< 0.1	0.3	2.2	0.3	0.5	56.0	0.6	0.012	0.17	9.0	6.8	2.2
E886122	49.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	27.8	< 0.1	0.001	< 0.05	1.1	0.1	< 0.1
E886123	557	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	17.6	0.3	0.001	< 0.05	1.0	< 0.1	< 0.1
E886124	111	< 0.1	< 0.1	0.4	< 0.1	< 0.1	340	2.5	< 0.001	< 0.05	2.0	0.1	< 0.1
E886125	13.0	< 0.1	< 0.1	0.3	< 0.1	< 0.1	231	0.4	0.001	< 0.05	3.8	0.3	< 0.1
E886126	27.1	< 0.1	< 0.1	0.3	< 0.1	< 0.1	146	0.9	< 0.001	< 0.05	2.6	< 0.1	< 0.1
E886127	28.6	< 0.1	< 0.1	0.6	< 0.1	< 0.1	33.1	1.8	< 0.001	0.09	2.4	0.7	0.3
E886128	9.5	< 0.1	< 0.1	0.3	< 0.1	< 0.1	18.9	0.6	0.001	< 0.05	0.5	< 0.1	< 0.1
E886129	2.0	< 0.1	< 0.1	0.2	< 0.1	< 0.1	122	1.3	0.001	< 0.05	0.7	< 0.1	< 0.1
E886130	189	0.4	0.3	2.2	0.3	0.3	466	7.4	0.002	0.29	24.5	3.0	1.8
E886131	17.9	< 0.1	< 0.1	0.2	< 0.1	< 0.1	84.0	1.0	0.003	< 0.05	< 0.5	< 0.1	< 0.1

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E886132	26.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	61.7	2.0	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
E886133	4.2	< 0.1	< 0.1	0.3	< 0.1	< 0.1	250	1.2	0.002	< 0.05	1.0	< 0.1	< 0.1
E886134	3.0	< 0.1	< 0.1	0.4	< 0.1	< 0.1	138	0.4	< 0.001	< 0.05	< 0.5	0.3	< 0.1
E886135	7.8	< 0.1	< 0.1	0.3	< 0.1	< 0.1	213	0.3	< 0.001	< 0.05	1.3	0.2	< 0.1
E886136	20.0	< 0.1	0.2	1.1	0.1	< 0.1	130	0.3	< 0.001	0.07	2.9	< 0.1	< 0.1
E886137	24.2	< 0.1	0.1	0.9	0.1	< 0.1	97.6	0.1	< 0.001	< 0.05	0.8	< 0.1	< 0.1
E886138	3.1	0.3	0.1	0.8	< 0.1	< 0.1	52.8	0.2	< 0.001	< 0.05	0.5	< 0.1	< 0.1
E886139	40.7	0.7	0.1	0.9	0.1	< 0.1	115	< 0.1	< 0.001	< 0.05	0.5	< 0.1	< 0.1
E886140	2.0	< 0.1	< 0.1	0.2	< 0.1	< 0.1	3.0	0.1	< 0.001	< 0.05	1.1	1.0	0.3
E886141	50.9	0.1	0.2	1.5	0.2	< 0.1	224	< 0.1	< 0.001	0.29	4.3	3.0	0.7
E886142	11.4	0.3	0.2	1.1	0.1	< 0.1	192	< 0.1	< 0.001	0.19	4.0	3.0	0.6
E886143	10.1	0.3	0.2	1.2	0.2	< 0.1	358	0.4	< 0.001	0.10	9.7	2.9	0.7
E886144	66.6	0.3	0.2	1.2	0.2	< 0.1	166	0.2	< 0.001	0.33	5.4	3.6	0.9
E886145	1570	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	71.3	0.2	< 0.001	0.08	3.5	< 0.1	< 0.1
E886146	55.5	0.3	0.2	1.2	0.2	< 0.1	259	0.2	< 0.001	0.06	8.3	4.5	1.1
E886147	153	0.2	0.4	2.7	0.4	0.6	55.8	0.2	< 0.001	0.17	7.8	13.1	3.0
E886148	9.5	0.2	0.4	2.6	0.3	< 0.1	131	0.1	< 0.001	0.51	9.5	0.4	0.1
E886149	16.7	< 0.1	0.4	2.8	0.4	1.1	50.1	0.7	0.001	0.15	10.7	19.7	5.0
E886150	2030	0.1	0.3	1.8	0.3	0.2	81.5	3.3	0.013	5.11	> 5000	2.9	1.9
E886151	62.8	0.2	0.6	4.0	0.6	< 0.1	123	< 0.1	0.006	< 0.05	7.3	0.6	0.1
GXR-4 Meas	6600		0.2	1.0	0.1	0.6	225	35.3		3.03	44.1	17.3	5.4
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	221	30.8		3.20	52.0	22.5	6.20
SDC-1 Meas	27.6		0.5	3.3		< 0.1	187	0.1		0.63	22.8	11.3	2.7
SDC-1 Cert	30.000		0.65	4.00		1.20	180.00	0.80		0.70	25.00	12.00	3.10
GXR-6 Meas	59.7			1.7	0.2	0.2	38.5	0.7		2.15	97.8	5.0	1.4
GXR-6 Cert	66.0			2.40	0.330	0.485	35.0	1.90		2.20	101	5.30	1.54
OREAS 97 (4 Acid) Meas	> 10000										136		
OREAS 97 (4 Acid) Cert	63100.00										147		
OREAS 98 (4 Acid) Meas	> 10000										333		
OREAS 98 (4 Acid) Cert	148000.0										345		
DNC-1a Meas	91.1			1.9			146				5.7		
DNC-1a Cert	100			2.0			144				6.3		
SBC-1 Meas	26.8		0.5	3.4	0.4	1.0	188	1.5		0.92	34.2	15.3	5.7
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	178.0	1.60		0.89	35.0	15.8	5.76
OREAS 45d (4-Acid) Meas	367			1.5	0.2	< 0.1	34.7	0.2		0.25	20.5	14.4	2.7
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	31.30	1.62		0.27	21.8	14.5	2.63
OREAS 220 (Fire Assay) Meas													
OREAS 220 (Fire													

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Assay) Cert													
OREAS 96 (4 Acid) Meas	> 10000										101		
OREAS 96 (4 Acid) Cert	39300										101		
OREAS 621 (4 Acid) Meas	4020			1.0	0.1		76.1	1.9		2.06	> 5000	5.3	2.8
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		91.0	2.35		1.96	13600	7.48	2.83
OREAS 209 (Fire Assay) Meas													
OREAS 209 (Fire Assay) Cert													
E885836 Orig													
E885836 Dup													
E886103 Orig	24.2	0.3	< 0.1	< 0.1	< 0.1	< 0.1	4.9	1.4	0.002	< 0.05	< 0.5	< 0.1	< 0.1
E886103 Dup	25.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	4.3	1.4	0.001	< 0.05	< 0.5	< 0.1	< 0.1
E886106 Orig													
E886106 Dup													
E886117 Orig													
E886117 Dup													
E886131 Orig													
E886131 Dup													
E886133 Orig	4.2	< 0.1	< 0.1	0.3	< 0.1	< 0.1	250	1.2	0.002	< 0.05	1.0	< 0.1	< 0.1
E886133 Dup	4.1	< 0.1	< 0.1	0.3	< 0.1	< 0.1	243	0.9	< 0.001	< 0.05	1.1	< 0.1	< 0.1
E886134 Orig	3.0	< 0.1	< 0.1	0.4	< 0.1	< 0.1	138	0.4	< 0.001	< 0.05	< 0.5	0.3	< 0.1
E886134 Dup	1.4	< 0.1	< 0.1	0.4	< 0.1	< 0.1	138	0.4	< 0.001	< 0.05	0.5	0.3	< 0.1
E886135 Orig	7.8	< 0.1	< 0.1	0.3	< 0.1	< 0.1	213	0.3	< 0.001	< 0.05	1.3	0.2	< 0.1
E886135 Split	6.5	< 0.1	< 0.1	0.3	< 0.1	< 0.1	210	0.4	< 0.001	< 0.05	1.5	0.2	< 0.1
E886139 Orig													
E886139 Dup													
E886148 Orig													
E886148 Dup													
Method Blank													
Method Blank													
Method Blank													
Method Blank													
Method Blank	0.6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1

Quality Analysis ... *Innovative Technologies*

Date Submitted: 04-Sep-18
Invoice No.: A18-12314
Invoice Date: 09-Oct-18
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

44 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4 Total Digestion ICP/MS

REPORT **A18-12314**

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

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 04-Sep-18
Invoice No.: A18-12314
Invoice Date: 09-Oct-18
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

44 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A18-12314**

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

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
[redacted]																							
[redacted]																							
E885911	0.015	< 20	12.5	2.21	4.65	8.40	0.07	6.82	0.2	292	135	1730	9.71	1.3	108	2.5	0.2	0.8	< 10	0.20	0.20	49.2	0.83

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
[redacted]																							
E885913	< 0.005	< 20	51.2	1.22	5.09	8.74	0.62	0.08	< 0.1	137	541	619	6.17	2.5	475	1.2	0.7	0.3	< 10	< 0.05	1.39	45.3	0.63
GXR-4 Meas		< 20	10.5	0.55	1.71	6.80	4.39	0.99	0.4	81	43	134	2.97	1.6	37.1		1.9		< 10	3.74	2.61	13.8	1.30
GXR-4 Cert		4.50	11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	42.0		1.90		110	4.00	2.80	14.6	1.63
SDC-1 Meas		< 20	31.8	1.63	1.04	8.56	1.33	1.03		43	47	864	4.73	1.2	34.4	3.6	2.6	1.2	20		3.81	17.5	1.55
SDC-1 Cert		13.00	34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	38.0	4.10	3.00	1.50	200.00		4.00	18.0	1.70
GXR-6 Meas		< 20	32.8	0.10	0.62	> 10.0	1.28	0.16	0.2	166	65	1020	5.48	3.3	23.1		1.0		< 10	0.35	3.70	12.9	0.59
GXR-6 Cert		9.80	32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	27.0		1.40		68.0	1.30	4.20	13.8	0.760
OREAS 97 (4 Acid) Meas																				16.9		60.5	
OREAS 97 (4 Acid) Cert																				19.6		62.9	
OREAS 98 (4 Acid) Meas																				48.2		130	
OREAS 98 (4 Acid) Cert																				45.1		121	
DNC-1a Meas			4.4	1.46				8.00		140	138		6.76		260							55.2	0.55
DNC-1a Cert			5.2	1.40				8.21		148	270		1.25		247							57	0.59
SBC-1 Meas			156						0.4	213	78			4.1	85.4	3.7	3.2	1.2			7.74	22.2	1.85
SBC-1 Cert			163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40			8.2	22.7	1.98
OREAS 45d (4-Acid) Meas			21.6	0.11	0.24	8.21	0.46	0.18		90	476	465	14.6	1.6	236	1.3	0.7	0.4			3.68	29.4	0.56
OREAS 45d (4-Acid) Cert			21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830	231.0	1.38	0.79	0.46			3.910	29.50	0.57
OREAS 214 Meas																							
OREAS 214 Cert																							
OREAS 216 (Fire Assay) Meas																							
OREAS 216 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas	0.827																						
OREAS 220 (Fire Assay) Cert	0.866																						
OREAS 220 (Fire Assay) Meas	0.833																						
OREAS 220 (Fire Assay) Cert	0.866																						
OREAS 96 (4 Acid) Meas																				10.4		50.8	
OREAS 96 (4 Acid) Cert																				11.5		49.9	
OREAS 621 (4 Acid) Meas			13.7	1.44	0.38	6.82	2.10	2.12	288	34	33	541	3.98	5.3	29.1		1.7			71.3	3.17	31.0	
OREAS 621 (4 Acid) Cert			14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41	26.2		1.69			69.0	3.28	29.3	
OREAS 209 (Fire	1.50																						

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Assay) Meas																							
OREAS 209 (Fire Assay) Cert	1.58																						
OREAS 209 (Fire Assay) Meas	1.53																						
OREAS 209 (Fire Assay) Cert	1.58																						
OREAS 209 (Fire Assay) Meas	1.54																						
OREAS 209 (Fire Assay) Cert	1.58																						
E885881 Orig		< 20	2.9	0.06	0.47	1.23	0.16	0.07	0.6	21	37	2800	8.56	0.5	6.2	0.6	0.2	0.1	40	0.13	0.43	2.5	0.27
E885881 Dup		< 20	3.0	0.06	0.46	1.23	0.16	0.07	0.6	21	49	2850	8.62	0.4	5.8	0.4	0.3	0.2	10	0.12	0.47	2.5	0.25
E885884 Orig	< 0.005																						
E885884 Dup	< 0.005																						
E885891 Orig	< 0.005																						
E885891 Dup	< 0.005																						
E885892 Orig		< 20	7.4	0.48	2.06	2.94	0.03	3.44	< 0.1	101	108	639	3.66	0.2	55.6	0.8	< 0.1	0.2	< 10	< 0.05	0.08	19.3	0.20
E885892 Dup		< 20	7.7	0.47	2.08	3.00	0.03	3.47	< 0.1	113	115	660	3.71	0.2	56.9	0.8	< 0.1	0.2	10	< 0.05	0.10	19.8	0.21
E885909 Orig	< 0.005																						
E885909 Dup	< 0.005																						
E885911 Orig		< 20	12.5	2.21	4.65	8.40	0.07	6.82	0.2	292	135	1730	9.71	1.3	108	2.5	0.2	0.8	< 10	0.20	0.20	49.2	0.83
E885911 Dup		< 20	12.3	2.12	4.49	8.07	0.06	6.41	0.2	201	109	1670	9.67	1.0	106	2.6	0.2	0.8	< 10	0.19	0.22	48.8	0.78
E885912 Orig		40	8.7	0.12	0.91	1.84	0.07	0.91	< 0.1	49	29	604	4.92	0.8	46.8	0.9	< 0.1	0.3	< 10	0.09	0.48	30.4	0.21
E885912 Dup		< 20	8.7	0.12	0.93	1.80	0.07	0.94	< 0.1	49	31	604	5.03	0.8	48.2	0.9	< 0.1	0.2	30	0.10	0.50	30.4	0.20
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank		< 20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	14	6	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 10	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank	< 0.005																						
Method Blank																							

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885861	0.10	0.4	32.8	13.0	2.7	25.7	2.5	21	1.1	0.17	< 0.1	< 1	0.7	< 0.1	473	3.8	7.5	0.9	3.4	0.6	0.7	< 0.1	0.4
E885862	0.02	0.7	138	19.7	2.7	44.6	29.6	41	0.3	0.08	< 0.1	< 1	0.2	< 0.1	243	7.3	17.5	2.7	12.0	3.4	4.3	0.8	5.8
E885863	< 0.02	0.4	12.9	0.4	5.7	0.4	1.1	1	< 0.1	0.20	< 0.1	< 1	0.9	< 0.1	4	1.1	2.0	0.2	0.8	0.1	0.2	< 0.1	0.1
E885864	0.04	0.6	97.1	8.4	76.7	1.2	7.9	29	0.4	0.39	< 0.1	< 1	0.6	< 0.1	29	2.0	4.7	0.7	3.5	1.2	1.4	0.2	1.6
E885865	0.06	0.4	107	8.6	14.8	0.5	8.3	26	1.2	0.18	< 0.1	< 1	1.3	< 0.1	24	2.2	5.5	0.9	4.1	1.4	1.7	0.3	1.8
E885866	0.15	0.4	42.7	16.9	13.9	47.4	4.2	152	4.8	0.33	< 0.1	< 1	0.4	< 0.1	261	11.9	19.7	1.9	5.8	0.9	1.1	0.2	0.9
E885867	2.38	1.1	40.6	15.0	3.4	84.2	9.7	142	6.5	1.39	0.1	19	0.4	0.2	268	21.2	40.9	4.7	16.2	3.6	2.7	0.4	2.0
E885868	0.14	0.4	59.0	15.5	0.7	31.7	5.9	124	4.4	0.95	< 0.1	< 1	0.1	< 0.1	194	19.8	36.0	4.2	14.7	2.2	2.1	0.2	1.3
E885869	0.11	0.4	43.1	13.7	< 0.1	31.9	4.3	93	1.9	0.52	< 0.1	< 1	< 0.1	< 0.1	193	13.9	25.4	2.9	9.8	1.7	1.4	0.1	0.8
E885879	0.08	0.4	129	18.3	61.2	26.2	10.5	80	0.9	0.62	< 0.1	< 1	1.1	< 0.1	252	11.3	22.0	2.8	10.4	2.0	2.4	0.3	2.3

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885880	< 0.02	0.2	5.2	1.0	1.8	3.0	1.9	28	0.7	0.30	< 0.1	< 1	0.3	< 0.1	17	2.3	4.2	0.5	1.8	0.4	0.3	< 0.1	0.3
E885881	0.31	1.6	325	4.4	22.2	5.1	4.8	20	1.2	1.10	0.2	1	2.7	0.3	51	5.1	9.2	1.0	3.9	0.5	0.7	< 0.1	0.7
E885882	0.13	0.4	80.0	18.3	15.5	7.6	20.7	86	4.7	0.50	< 0.1	< 1	1.2	< 0.1	859	8.5	19.0	2.6	11.0	2.6	3.8	0.6	4.2
E885883	0.23	0.6	88.9	14.2	1600	20.6	14.6	62	2.7	0.41	< 0.1	< 1	2.8	0.1	85	6.3	13.2	1.8	7.7	1.4	2.4	0.4	2.9
E885884	0.06	0.4	71.8	7.4	14.1	3.0	9.2	35	1.5	0.22	< 0.1	< 1	3.0	< 0.1	13	2.0	5.0	0.7	3.5	0.9	1.4	0.2	1.8
E885885	0.08	0.5	36.3	19.0	3.0	35.3	15.7	247	12.3	2.07	< 0.1	2	0.9	< 0.1	547	35.4	68.3	7.6	26.8	4.6	3.8	0.5	2.9
E885886	0.19	0.4	17.6	12.1	11.1	20.4	2.5	48	0.5	0.36	< 0.1	< 1	0.2	< 0.1	298	18.6	33.6	3.5	12.3	1.7	1.3	0.1	0.6
E885887	< 0.02	0.3	119	19.2	< 0.1	7.0	25.3	91	0.2	0.67	< 0.1	< 1	< 0.1	< 0.1	25	5.0	14.0	2.4	12.4	3.6	4.6	0.8	5.3
E885888	0.06	0.2	94.4	7.1	< 0.1	2.5	8.3	27	< 0.1	0.06	< 0.1	< 1	0.2	< 0.1	13	1.5	4.0	0.7	3.2	0.9	1.4	0.3	1.8
E885889	0.06	0.3	100	8.8	0.7	2.4	8.0	18	< 0.1	0.11	< 0.1	< 1	< 0.1	< 0.1	20	1.2	2.9	0.5	2.5	0.8	1.1	0.2	1.5
E885890	1.14	0.3	49.6	13.7	4.4	267	11.5	9	< 0.1	0.42	< 0.1	< 1	< 0.1	< 0.1	49	3.8	8.8	1.2	6.3	1.8	2.4	0.4	2.6
E885891	0.10	1.0	95.8	17.0	< 0.1	3.1	25.7	25	0.1	0.15	< 0.1	< 1	< 0.1	< 0.1	43	4.3	11.1	1.8	8.7	2.9	3.7	0.7	4.9
E885892	< 0.02	0.1	40.9	5.6	< 0.1	0.6	5.8	5	0.1	0.14	< 0.1	< 1	0.1	< 0.1	5	0.7	1.9	0.3	1.8	0.5	0.8	0.2	1.1
E885893	0.03	1.7	217	6.4	14.4	1.6	5.8	19	0.8	0.46	< 0.1	< 1	0.4	0.2	9	1.8	3.2	0.4	1.8	0.4	0.7	0.1	1.0
E885894	0.07	< 0.1	15.5	3.1	2.5	8.7	2.7	4	1.3	0.23	< 0.1	< 1	0.6	< 0.1	39	2.3	4.8	0.5	2.0	0.4	0.5	< 0.1	0.4
E885895	0.05	0.4	58.1	23.8	< 0.1	16.9	29.3	61	0.1	0.18	< 0.1	< 1	0.1	< 0.1	242	7.1	19.1	2.9	13.0	4.0	4.5	0.8	5.4
E885896 (Missing)																							
E885897	0.14	< 0.1	47.4	17.7	< 0.1	29.1	10.9	131	0.2	0.17	< 0.1	< 1	< 0.1	< 0.1	182	16.5	34.7	4.1	14.5	2.7	2.6	0.4	2.3
E885898	< 0.02	0.5	145	21.3	< 0.1	0.7	26.8	60	1.9	0.15	< 0.1	< 1	< 0.1	< 0.1	21	5.0	13.7	2.3	11.3	3.8	4.7	0.8	5.4
E885899	0.03	0.6	90.2	14.9	< 0.1	1.7	20.3	40	2.4	0.18	< 0.1	< 1	< 0.1	< 0.1	29	2.8	8.1	1.3	6.9	2.2	3.0	0.5	4.0
E885900	< 0.02	0.3	3.6	0.8	1.0	3.3	1.6	27	0.6	0.32	< 0.1	< 1	0.2	< 0.1	28	2.1	4.0	0.5	1.8	0.4	0.3	< 0.1	0.3
E885901	< 0.02	0.5	109	16.1	< 0.1	6.5	21.0	28	0.2	0.07	< 0.1	< 1	< 0.1	< 0.1	24	3.1	8.6	1.5	7.2	2.2	3.1	0.6	4.1
E885902	< 0.02	0.3	55.2	8.5	< 0.1	1.9	10.7	10	0.2	0.14	< 0.1	< 1	< 0.1	< 0.1	15	1.9	5.2	0.8	4.2	1.5	1.5	0.3	2.0
E885903	0.04	0.8	57.6	10.0	1.2	0.4	21.1	28	5.9	0.76	< 0.1	1	0.2	< 0.1	10	7.4	13.6	1.6	5.8	1.5	2.1	0.4	3.1
E885904	0.03	0.5	98.2	14.9	< 0.1	0.7	18.7	24	0.8	0.18	< 0.1	< 1	< 0.1	< 0.1	6	3.7	9.2	1.4	7.1	1.7	2.7	0.5	3.7
E885905	< 0.02	0.6	113	13.6	0.8	0.9	14.3	30	0.8	0.17	< 0.1	< 1	< 0.1	< 0.1	17	2.3	6.0	1.0	5.0	1.7	2.2	0.4	2.9
E885906	0.63	11.1	283	20.0	0.2	0.4	12.5	113	6.4	4.70	0.1	< 1	0.3	3.3	26	8.7	15.9	1.7	5.4	1.2	1.4	0.3	2.3
E885907	0.25	4.7	265	11.0	< 0.1	1.4	16.4	88	4.2	2.47	< 0.1	< 1	0.4	1.0	7	11.0	23.2	2.9	10.8	2.8	2.7	0.4	3.2
E885908	< 0.02	0.6	1.2	0.3	0.3	0.2	< 0.1	< 1	< 0.1	0.32	< 0.1	< 1	0.2	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
E885909	< 0.02	0.3	69.5	3.5	2.0	2.9	2.4	3	0.4	0.18	< 0.1	< 1	0.1	< 0.1	16	0.2	0.5	< 0.1	0.5	< 0.1	0.2	< 0.1	0.3
E885910	7.99	21.4	7210	13.0	330	44.7	14.2	84	4.0	8.60	3.1	20	43.7	0.2	39	12.0	25.3	3.5	14.5	2.7	3.1	0.6	2.8
E885911	0.04	0.8	122	16.4	< 0.1	0.8	19.2	43	0.9	0.16	< 0.1	< 1	0.1	< 0.1	19	2.6	6.9	1.1	6.4	1.6	3.0	0.5	3.8
E885912	0.14	2.6	47.1	4.4	26.7	2.0	6.5	31	1.2	0.64	< 0.1	< 1	0.2	0.8	9	1.6	3.5	0.5	2.0	0.5	0.7	0.1	1.0
E885913	0.11	0.3	127	18.1	< 0.1	24.1	9.5	85	0.3	0.25	< 0.1	< 1	< 0.1	< 0.1	216	13.3	28.4	3.2	12.2	2.8	2.2	0.3	2.0
GXR-4 Meas	19.1	6.4	68.7	16.5	89.4	158	11.5	44	9.2	336	0.2	8	4.4	1.1	244	57.5	108		40.8	6.7	4.7	0.4	2.4
GXR-4 Cert	19.0	5.60	73.0	20.0	98.0	160	14.0	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
SDC-1 Meas			111	20.2	< 0.1	61.1		37	0.3			< 1	< 0.1		656	43.4	93.3		43.6	7.8	6.9	1.0	6.1
SDC-1 Cert			103.00	21.00	0.220	127.00		290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
GXR-6 Meas	0.17	1.1	127	31.1	282	57.7	10.7	97	4.2	1.89	< 0.1	1	2.5	< 0.1	1160	12.7	32.9		12.0	2.4	2.2	0.3	2.3
GXR-6 Cert	0.290	0.940	118	35.0	330	90.0	14.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80
OREAS 97 (4 Acid) Meas	41.8	70.2	598									87	6.0										
OREAS 97 (4	40.1	71.4	646									95.7	9.23										

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Acid) Cert																							
OREAS 98 (4 Acid) Meas	99.5	190	1430									> 200	13.2										
OREAS 98 (4 Acid) Cert	97.2	158	1360									206	20.1										
DNC-1a Meas			69.0	12.9		3.7	13.9	37	1.5				0.8		95	3.5			4.7				
DNC-1a Cert			70	15		5	18.0	38.0	3				0.96		118	3.6			5.20				
SBC-1 Meas	0.69		196	24.3	23.2	158	28.9	129	14.9	2.36		4	1.0		267	51.3	110	13.3	51.6	9.4	8.0	1.1	6.3
SBC-1 Cert	0.70		186	27.0	25.7	147	36.5	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
OREAS 45d (4-Acid) Meas	0.32		45.3	20.4	5.5	46.3	10.6	52	0.4	0.49	< 0.1	< 1	< 0.1		178	17.3	36.1	4.0	14.2	2.7	2.5	0.4	2.2
OREAS 45d (4-Acid) Cert	0.31		45.7	21.20	13.8	42.1	9.53	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 214 Meas																							
OREAS 214 Cert																							
OREAS 216 (Fire Assay) Meas																							
OREAS 216 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 96 (4 Acid) Meas	29.2	44.1	459									63	4.1										
OREAS 96 (4 Acid) Cert	26.3	40.7	457									65.6	5.09										
OREAS 621 (4 Acid) Meas	4.05	5.4	> 10000	26.5	65.3	86.0	11.3	190	10.3	14.4	1.8	6	47.8			19.9	46.6					0.4	
OREAS 621 (4 Acid) Cert	3.93	5.64	52200	24.6	77.0	84.0	11.1	168	8.61	13.6	1.83	5.25	139			21.6	46.6					0.460	
OREAS 209 (Fire Assay) Meas																							
OREAS 209 (Fire Assay) Cert																							
OREAS 209 (Fire Assay) Meas																							
OREAS 209 (Fire Assay) Cert																							
OREAS 209 (Fire Assay) Meas																							
OREAS 209 (Fire Assay) Cert																							
E885881 Orig	0.31	1.6	325	4.4	22.2	5.1	4.8	20	1.2	1.10	0.2	1	2.7	0.3	51	5.1	9.2	1.0	3.9	0.5	0.7	< 0.1	0.7

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885881 Dup	0.31	1.4	333	4.2	22.4	4.9	4.5	14	1.2	1.05	0.2	1	2.7	0.2	53	5.1	9.2	1.0	3.8	0.6	0.7	< 0.1	0.7
E885884 Orig																							
E885884 Dup																							
E885891 Orig																							
E885891 Dup																							
E885892 Orig	< 0.02	0.1	40.9	5.6	< 0.1	0.6	5.8	5	0.1	0.14	< 0.1	< 1	0.1	< 0.1	5	0.7	1.9	0.3	1.8	0.5	0.8	0.2	1.1
E885892 Dup	< 0.02	0.2	39.3	5.8	0.3	0.6	6.0	5	0.6	0.20	< 0.1	< 1	0.3	< 0.1	5	0.8	2.0	0.4	1.8	0.4	0.9	0.1	1.2
E885909 Orig																							
E885909 Dup																							
E885911 Orig	0.04	0.8	122	16.4	< 0.1	0.8	19.2	43	0.9	0.16	< 0.1	< 1	0.1	< 0.1	19	2.6	6.9	1.1	6.4	1.6	3.0	0.5	3.8
E885911 Dup	0.04	0.3	120	16.0	< 0.1	0.9	19.0	34	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	19	2.5	6.9	1.2	5.9	2.2	3.0	0.5	3.7
E885912 Orig	0.14	2.6	47.1	4.4	26.7	2.0	6.5	31	1.2	0.64	< 0.1	< 1	0.2	0.8	9	1.6	3.5	0.5	2.0	0.5	0.7	0.1	1.0
E885912 Dup	0.15	2.7	48.5	4.4	25.5	2.0	6.5	32	1.2	1.96	< 0.1	< 1	0.2	0.7	10	1.6	3.7	0.5	2.1	0.7	0.7	0.1	1.1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.02	0.2	0.3	0.2	< 0.1	< 0.2	< 0.1	< 1	< 0.1	0.14	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FA-GRA
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U	Au
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
E885861	0.6	< 0.1	< 0.1	0.2	< 0.1	< 0.1	88.7	3.6	0.001	0.40	6.3	1.5	0.7	20.4
E885862	70.1	0.2	0.6	3.6	0.5	< 0.1	77.4	0.2	0.001	1.13	4.1	1.4	0.3	
E885863	1.0	< 0.1	< 0.1	0.2	< 0.1	< 0.1	0.7	1.6	< 0.001	< 0.05	0.7	< 0.1	< 0.1	
E885864	34.1	0.6	0.1	0.9	0.1	< 0.1	45.5	1.3	< 0.001	< 0.05	2.0	0.3	< 0.1	
E885865	83.8	0.6	0.1	0.9	0.1	< 0.1	15.5	0.5	< 0.001	< 0.05	0.9	0.3	< 0.1	
E885866	4.3	< 0.1	< 0.1	0.5	< 0.1	0.4	34.9	3.3	< 0.001	0.66	16.9	6.2	1.7	
E885867	156	< 0.1	0.2	1.3	0.2	0.5	7.2	2.9	< 0.001	0.48	6.2	4.6	1.1	
E885868	29.1	< 0.1	< 0.1	0.7	< 0.1	0.4	226	0.5	< 0.001	0.19	10.1	6.0	1.7	
E885869	15.7	0.3	< 0.1	0.5	< 0.1	0.1	188	1.5	< 0.001	0.29	9.9	4.6	1.1	
E885879	36.5	0.2	0.2	1.3	0.2	< 0.1	125	0.4	< 0.001	0.42	20.0	3.6	1.2	
E885880	1.9	< 0.1	< 0.1	0.3	< 0.1	< 0.1	7.3	0.2	< 0.001	< 0.05	1.7	1.2	0.3	
E885881	23.4	< 0.1	< 0.1	0.5	< 0.1	< 0.1	19.5	0.8	< 0.001	0.16	10.4	1.3	0.3	
E885882	83.8	0.3	0.4	2.4	0.3	0.4	188	0.4	0.001	< 0.05	2.7	2.5	0.7	
E885883	89.8	0.2	0.3	1.8	0.3	0.2	109	89.8	0.002	0.27	2.4	1.8	0.4	
E885884	153	0.2	0.2	1.2	0.2	0.1	52.9	0.7	< 0.001	< 0.05	1.7	0.9	0.2	
E885885	4.9	< 0.1	0.3	1.8	0.2	1.1	320	1.4	0.001	0.30	17.6	12.5	3.8	
E885886	6.2	0.3	< 0.1	0.3	< 0.1	< 0.1	36.0	0.2	< 0.001	0.23	6.9	5.8	1.0	
E885887	273	0.1	0.5	2.8	0.4	< 0.1	152	0.1	0.002	0.17	1.1	0.5	0.1	
E885888	57.8	0.2	0.2	0.9	0.1	< 0.1	36.6	< 0.1	< 0.001	< 0.05	2.5	0.4	< 0.1	
E885889	28.6	0.2	0.2	1.0	0.1	< 0.1	28.9	0.1	< 0.001	< 0.05	2.4	0.1	< 0.1	

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FA-GRA
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U	Au
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
E885890	30.4	0.1	0.2	1.2	0.2	< 0.1	99.7	< 0.1	< 0.001	5.65	8.4	0.6	0.2	
E885891	160	0.3	0.5	3.1	0.4	< 0.1	54.7	< 0.1	0.002	< 0.05	3.7	0.4	< 0.1	
E885892	11.7	0.3	< 0.1	0.7	< 0.1	< 0.1	28.6	< 0.1	< 0.001	< 0.05	1.2	< 0.1	< 0.1	
E885893	44.6	0.4	0.1	0.7	< 0.1	< 0.1	8.2	0.2	< 0.001	< 0.05	9.5	0.3	< 0.1	
E885894	41.6	< 0.1	< 0.1	0.3	< 0.1	< 0.1	17.4	0.2	< 0.001	< 0.05	7.8	0.8	0.2	
E885895	46.4	0.2	0.5	3.5	0.5	< 0.1	139	0.2	0.001	0.79	6.4	0.4	0.2	
E885896 (Missing)														
E885897	29.8	0.3	0.2	1.4	0.2	< 0.1	106	< 0.1	< 0.001	0.26	8.9	7.7	2.0	
E885898	69.0	0.3	0.5	2.9	0.4	< 0.1	112	0.1	< 0.001	< 0.05	0.8	0.4	< 0.1	
E885899	80.8	0.5	0.3	2.4	0.3	0.1	92.0	0.2	< 0.001	< 0.05	0.7	0.2	< 0.1	
E885900	3.2	< 0.1	< 0.1	0.2	< 0.1	< 0.1	4.0	0.2	< 0.001	< 0.05	1.6	1.0	0.5	
E885901	27.5	0.2	0.4	2.4	0.3	< 0.1	126	< 0.1	0.001	< 0.05	0.7	0.2	< 0.1	
E885902	52.5	0.1	0.2	1.2	0.2	< 0.1	59.9	< 0.1	0.001	< 0.05	< 0.5	0.1	< 0.1	
E885903	97.4	0.1	0.4	2.7	0.4	< 0.1	22.0	0.1	< 0.001	< 0.05	2.8	5.4	1.3	
E885904	21.2	0.4	0.3	2.2	0.3	< 0.1	73.2	< 0.1	0.002	< 0.05	3.0	0.2	< 0.1	
E885905	143	0.4	0.3	1.8	0.2	< 0.1	70.2	0.1	< 0.001	< 0.05	2.5	0.2	< 0.1	
E885906	1460	0.3	0.3	2.3	0.3	0.6	125	0.3	0.010	< 0.05	6.5	7.0	1.5	
E885907	532	0.1	0.3	2.3	0.3	0.4	17.0	0.2	0.003	< 0.05	2.1	3.9	0.9	
E885908	10.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1	
E885909	16.0	0.5	< 0.1	0.3	< 0.1	< 0.1	14.1	< 0.1	< 0.001	< 0.05	2.1	< 0.1	< 0.1	
E885910	2190	0.1	0.3	1.8	0.2	< 0.1	84.1	5.4	0.013	5.36	> 5000	2.8	2.0	
E885911	204	0.5	0.3	2.3	0.3	< 0.1	112	0.1	0.001	< 0.05	3.4	0.2	< 0.1	
E885912	199	< 0.1	0.1	0.9	0.1	< 0.1	2.4	< 0.1	0.002	< 0.05	0.7	1.0	0.2	
E885913	29.2	0.3	0.2	1.2	0.1	< 0.1	54.4	< 0.1	< 0.001	0.40	5.3	3.5	0.9	
GXR-4 Meas	6600		0.2	1.0	0.1	0.6	225	35.3		3.03	44.1	17.3	5.4	
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	221	30.8		3.20	52.0	22.5	6.20	
SDC-1 Meas	27.6		0.5	3.3		< 0.1	187	0.1		0.63	22.8	11.3	2.7	
SDC-1 Cert	30.000		0.65	4.00		1.20	180.00	0.80		0.70	25.00	12.00	3.10	
GXR-6 Meas	59.7			1.7	0.2	0.2	38.5	0.7		2.15	97.8	5.0	1.4	
GXR-6 Cert	66.0			2.40	0.330	0.485	35.0	1.90		2.20	101	5.30	1.54	
OREAS 97 (4 Acid) Meas	> 10000										136			
OREAS 97 (4 Acid) Cert	63100.00										147			
OREAS 98 (4 Acid) Meas	> 10000										333			
OREAS 98 (4 Acid) Cert	148000.0										345			
DNC-1a Meas	91.1			1.9			146				5.7			
DNC-1a Cert	100			2.0			144				6.3			
SBC-1 Meas	26.8		0.5	3.4	0.4	1.0	188	1.5		0.92	34.2	15.3	5.7	
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	178.0	1.60		0.89	35.0	15.8	5.76	
OREAS 45d	367			1.5	0.2	< 0.1	34.7	0.2		0.25	20.5	14.4	2.7	

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FA-GRA
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U	Au
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
(4-Acid) Meas														
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	31.30	1.62		0.27	21.8	14.5	2.63	
OREAS 214 Meas														3.02
OREAS 214 Cert														3.03
OREAS 216 (Fire Assay) Meas														6.82
OREAS 216 (Fire Assay) Cert														6.66
OREAS 220 (Fire Assay) Meas														
OREAS 220 (Fire Assay) Cert														
OREAS 220 (Fire Assay) Meas														
OREAS 220 (Fire Assay) Cert														
OREAS 96 (4 Acid) Meas	> 10000										101			
OREAS 96 (4 Acid) Cert	39300										101			
OREAS 621 (4 Acid) Meas	4020			1.0	0.1		76.1	1.9		2.06	> 5000	5.3	2.8	
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		91.0	2.35		1.96	13600	7.48	2.83	
OREAS 209 (Fire Assay) Meas														
OREAS 209 (Fire Assay) Cert														
OREAS 209 (Fire Assay) Meas														
OREAS 209 (Fire Assay) Cert														
OREAS 209 (Fire Assay) Meas														
OREAS 209 (Fire Assay) Cert														
E885881 Orig	23.4	< 0.1	< 0.1	0.5	< 0.1	< 0.1	19.5	0.8	< 0.001	0.16	10.4	1.3	0.3	
E885881 Dup	23.6	< 0.1	< 0.1	0.5	< 0.1	< 0.1	19.6	0.8	0.001	0.17	10.7	1.3	0.3	
E885884 Orig														
E885884 Dup														
E885891 Orig														
E885891 Dup														
E885892 Orig	11.7	0.3	< 0.1	0.7	< 0.1	< 0.1	28.6	< 0.1	< 0.001	< 0.05	1.2	< 0.1	< 0.1	
E885892 Dup	7.0	0.3	0.1	0.7	< 0.1	< 0.1	28.7	0.1	< 0.001	< 0.05	1.3	< 0.1	< 0.1	
E885909 Orig														

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FA-GRA
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U	Au
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
E885909 Dup														
E885911 Orig	204	0.5	0.3	2.3	0.3	< 0.1	112	0.1	0.001	< 0.05	3.4	0.2	< 0.1	
E885911 Dup	202	0.2	0.4	2.3	0.3	< 0.1	110	< 0.1	0.001	< 0.05	3.3	0.2	< 0.1	
E885912 Orig	199	< 0.1	0.1	0.9	0.1	< 0.1	2.4	< 0.1	0.002	< 0.05	0.7	1.0	0.2	
E885912 Dup	205	< 0.1	0.1	1.0	0.1	< 0.1	2.3	0.1	0.002	0.05	0.6	1.0	0.2	
Method Blank														
Method Blank														
Method Blank														
Method Blank	0.6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1	
Method Blank														
Method Blank														< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 01-Oct-18
Invoice No.: A18-14186
Invoice Date: 18-Oct-18
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
Musselwhite Mine
P.O BOX 7500
Thunder Bay ON P7B 6S8
Canada

ATTN: Katie McCormack

CERTIFICATE OF ANALYSIS

3 Core samples were submitted for analysis.

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

REPORT **A18-14186**

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

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

Date Submitted: 01-Oct-18
Invoice No.: A18-14186
Invoice Date: 18-Oct-18
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
Musselwhite Mine
P.O BOX 7500
Thunder Bay ON P7B 6S8
Canada

ATTN: Katie McCormack

CERTIFICATE OF ANALYSIS

3 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4 Total Digestion ICP/MS

REPORT **A18-14186**

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

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
E885914	0.005	< 20	55.9	2.02	1.84	8.18	1.40	4.42	< 0.1	102	20	1130	8.35	1.7	33.3	2.0	0.6	0.7	100	< 0.05	5.86	40.3	1.16
E885915	0.008	20	7.1	0.25	0.15	0.59	0.08	0.24	< 0.1	6	79	170	1.38	0.2	6.9	< 0.1	< 0.1	< 0.1	80	< 0.05	0.27	4.8	0.08
E886083	0.423	< 20	32.5	0.23	1.64	6.04	0.20	0.41	0.2	124	165	5050	21.2	2.1	19.8	1.5	1.5	0.4	130	< 0.05	9.24	6.2	0.66
GXR-4 Meas		< 20	16.0	0.61	1.66	7.89	4.29	0.87	0.2	83	39	174	3.64	1.3	42.0		2.5		< 10	3.99	2.74	16.3	1.75
GXR-4 Cert		4.50	11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	42.0		1.90		110	4.00	2.80	14.6	1.63
SDC-1 Meas		< 20	45.3	1.76	0.91	9.01	2.86	0.94		30	43	994	5.45	0.8	38.6	4.0	3.6	1.3	20		4.03	19.6	1.77
SDC-1 Cert		13.00	34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	38.0	4.10	3.00	1.50	200.00		4.00	18.0	1.70
GXR-6 Meas		< 20	45.6	0.11	0.74	> 10.0	2.08	0.15	< 0.1	139	66	1230	6.58	2.3	27.0		1.4		80	0.35	4.34	16.0	0.73
GXR-6 Cert		9.80	32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	27.0		1.40		68.0	1.30	4.20	13.8	0.760
OREAS 97 (4 Acid) Meas																				21.3		67.7	
OREAS 97 (4 Acid) Cert																				19.6		62.9	
OREAS 98 (4 Acid) Meas																				48.5		130	
OREAS 98 (4 Acid) Cert																				45.1		121	
DNC-1a Meas			5.7	1.54				7.53		142	160		7.44		289							61.3	0.61
DNC-1a Cert			5.2	1.40				8.21		148	270		6.97		247							57	0.59
SBC-1 Meas			214						0.3	214	80			3.2	92.0	3.5	4.1	1.3			8.66	25.7	2.09
SBC-1 Cert			163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40			8.2	22.7	1.98
OREAS 45d (4-Acid) Meas			29.7	0.12	0.30	9.36	0.44	0.19		95	534	589	16.4	1.5	270	1.8	1.0	0.5			4.46	33.3	0.69
OREAS 45d (4-Acid) Cert			21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830	231.0	1.38	0.79	0.46			3.910	29.50	0.57
OREAS 254 Meas	2.49																						
OREAS 254 Cert	2.55																						
OREAS 96 (4 Acid) Meas																				12.9		55.3	
OREAS 96 (4 Acid) Cert																				11.5		49.9	
OREAS 217 (Fire Assay) Meas	0.329																						
OREAS 217 (Fire Assay) Cert	0.338																						
E885915 Orig	0.008																						
E885915 Dup	0.006																						
Method Blank		20	< 0.5	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.1	< 1	3	6	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	60	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	5	7	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	30	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank	< 0.005																						
Method Blank		20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	4	5	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	30	< 0.05	< 0.05	< 0.1	< 0.05

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885914	0.15	< 0.1	113	25.0	2.9	55.6	18.0	60	< 0.1	0.07	< 0.1	< 1	0.1	< 0.1	408	12.2	25.4	2.9	10.4	3.8	3.7	0.5	3.4

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885915	< 0.02	0.6	9.1	1.4	3.0	3.3	1.0	7	0.4	3.51	< 0.1	< 1	0.3	< 0.1	30	1.0	2.0	0.3	0.7	0.3	0.2	< 0.1	0.3
E886083	0.06	0.4	112	14.2	2140	22.5	13.2	69	0.7	7.08	0.1	< 1	5.7	< 0.1	143	10.9	18.3	2.2	6.3	1.1	1.6	0.3	2.1
GXR-4 Meas	22.6	5.3	89.1	18.9	100	164	13.0	41	8.1	300	0.3	7	4.9	0.7	94	63.8	114		38.8	9.0	5.1	0.6	2.8
GXR-4 Cert	19.0	5.60	73.0	20.0	98.0	160	14.0	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
SDC-1 Meas			124	21.3	< 0.1	131		26	< 0.1			< 1	< 0.1		645	43.4	90.9		36.7	8.6	7.7	1.1	6.6
SDC-1 Cert			103.00	21.00	0.220	127.00		290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
GXR-6 Meas	0.21	0.7	166	28.5	284	91.5	12.2	73	0.8	1.07	< 0.1	1	1.8	< 0.1	1270	13.9	35.7		11.8	3.4	2.8	0.4	2.5
GXR-6 Cert	0.290	0.940	118	35.0	330	90.0	14.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80
OREAS 97 (4 Acid) Meas	49.3	60.8	697									93	7.5										
OREAS 97 (4 Acid) Cert	40.1	71.4	646									95.7	9.23										
OREAS 98 (4 Acid) Meas	113	138	1480									197	6.2										
OREAS 98 (4 Acid) Cert	97.2	158	1360									206	20.1										
DNC-1a Meas			71.6	13.4		3.6	14.9	34	1.3				0.8		99	3.7			4.3				
DNC-1a Cert			70	15		5	18.0	38.0	3				0.96		118	3.6			5.20				
SBC-1 Meas	0.83		225	26.9	22.5	156	30.4	115	11.5	2.01		3	1.1		643	53.9	109	13.6	44.5	10.5	8.8	1.2	6.5
SBC-1 Cert	0.70		186	27.0	25.7	147	36.5	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
OREAS 45d (4-Acid) Meas	0.41		54.9	22.5	5.1	46.2	11.0	58	< 0.1	0.29	< 0.1	< 1	< 0.1		197	19.1	38.0	4.4	13.3	3.6	3.1	0.5	2.4
OREAS 45d (4-Acid) Cert	0.31		45.7	21.20	13.8	42.1	9.53	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 254 Meas																							
OREAS 254 Cert																							
OREAS 96 (4 Acid) Meas	33.2	34.7	511									64	5.0										
OREAS 96 (4 Acid) Cert	26.3	40.7	457									65.6	5.09										
OREAS 217 (Fire Assay) Meas																							
OREAS 217 (Fire Assay) Cert																							
E885915 Orig																							
E885915 Dup																							
Method Blank	< 0.02	0.3	7.8	< 0.1	< 0.1	< 0.2	< 0.1	< 1	< 0.1	0.08	< 0.1	< 1	0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.02	0.5	0.3	< 0.1	1.1	< 0.2	< 0.1	< 1	< 0.1	0.13	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank	< 0.02	0.4	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 1	< 0.1	0.77	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E885914	57.6	0.2	0.2	1.7	0.3	< 0.1	277	0.1	0.003	0.40	12.0	5.2	1.6
E885915	57.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	26.7	0.1	0.004	0.05	1.2	0.4	0.1

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E886083	18.7	0.7	0.2	1.5	0.2	< 0.1	33.9	0.6	0.004	0.45	8.1	4.5	1.1
GXR-4 Meas	7130		0.2	1.0	0.1	0.6	255	32.5		3.43	54.5	21.5	6.1
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	221	30.8		3.20	52.0	22.5	6.20
SDC-1 Meas	35.6		0.5	3.1		< 0.1	191	< 0.1		0.67	26.0	12.0	2.9
SDC-1 Cert	30.000		0.65	4.00		1.20	180.00	0.80		0.70	25.00	12.00	3.10
GXR-6 Meas	79.9			1.6	0.3	< 0.1	43.6	0.2		2.43	115	5.4	1.5
GXR-6 Cert	66.0			2.40	0.330	0.485	35.0	1.90		2.20	101	5.30	1.54
OREAS 97 (4 Acid) Meas	> 10000										154		
OREAS 97 (4 Acid) Cert	63100.00										147		
OREAS 98 (4 Acid) Meas	> 10000										349		
OREAS 98 (4 Acid) Cert	148000.0										345		
DNC-1a Meas	109			1.8			162				6.1		
DNC-1a Cert	100			2.0			144				6.3		
SBC-1 Meas	34.0		0.6	3.3	0.5	0.7	200	1.5		0.92	38.7	15.9	5.9
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	178.0	1.60		0.89	35.0	15.8	5.76
OREAS 45d (4-Acid) Meas	446			1.4	0.2	< 0.1	36.7	0.2		0.29	28.6	15.6	3.0
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	31.30	1.62		0.27	21.8	14.5	2.63
OREAS 254 Meas													
OREAS 254 Cert													
OREAS 96 (4 Acid) Meas	> 10000										106		
OREAS 96 (4 Acid) Cert	39300										101		
OREAS 217 (Fire Assay) Meas													
OREAS 217 (Fire Assay) Cert													
E885915 Orig													
E885915 Dup													
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	0.002	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	0.004	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank													
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	0.005	< 0.05	< 0.5	< 0.1	< 0.1

Quality Analysis ... *Innovative Technologies*

Date Submitted: 03-Oct-18
Invoice No.: A18-14383
Invoice Date: 09-Nov-18
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

11 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A18-14383**

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

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 03-Oct-18
Invoice No.: A18-14383
Invoice Date: 09-Nov-18
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

11 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4 Total Digestion ICP/MS

REPORT **A18-14383**

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

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
E886152	0.005	< 20	3.9	0.01	13.9	1.03	0.01	6.01	< 0.1	45	384	1260	4.62	0.1	905	0.2	< 0.1	< 0.1	30	< 0.05	0.08	47.1	0.17
E886153	0.006	130	3.8	0.04	8.59	0.62	< 0.01	3.91	< 0.1	18	778	940	3.89	< 0.1	563	0.2	< 0.1	< 0.1	20	0.10	0.12	41.5	0.09
E886154	< 0.005	220	4.8	0.20	3.50	2.48	< 0.01	3.44	< 0.1	62	748	503	2.38	0.2	208	0.4	0.2	0.1	< 10	< 0.05	0.09	14.3	0.30
E886155	< 0.005	140	1.8	0.08	3.37	0.79	0.01	5.29	< 0.1	29	218	626	1.68	0.2	122	0.3	0.2	0.2	30	< 0.05	< 0.05	4.5	0.37
E886156	0.013	< 20	5.7	0.03	9.82	1.00	< 0.01	10.4	0.3	35	497	1830	4.94	0.1	528	0.5	0.1	0.2	30	< 0.05	< 0.05	46.9	0.57
[redacted]																							
E886158	< 0.005	30	2.6	0.02	6.00	< 0.01	< 0.01	1.89	0.1	17	287	639	2.72	< 0.1	216	0.2	< 0.1	< 0.1	20	0.19	0.05	15.8	0.06
E886159	0.034	< 20	9.7	0.01	11.6	1.84	< 0.01	5.67	0.2	55	1440	1330	5.90	0.2	975	0.3	< 0.1	0.2	10	4.21	0.10	61.3	0.27
E886160	< 0.005	< 20	5.6	0.04	0.03	0.23	0.08	0.02	< 0.1	3	11	57	0.50	0.5	2.6	0.2	< 0.1	< 0.1	50	< 0.05	0.20	0.6	< 0.05
E886161	0.008	< 20	0.9	0.02	3.16	0.01	< 0.01	0.91	< 0.1	10	143	400	1.87	< 0.1	105	< 0.1	< 0.1	< 0.1	50	0.18	< 0.05	8.3	< 0.05
E886162	0.015	< 20	11.9	0.01	14.4	1.79	< 0.01	6.70	0.1	50	1600	1390	5.64	0.2	1430	0.3	0.2	< 0.1	30	0.05	0.10	81.9	0.15
GXR-4 Meas		< 20	11.4	0.56	1.81	6.79	4.34	1.01	0.3	93	56	160	3.31	1.3	40.6		2.0		< 10	3.73	2.39	15.0	1.39
GXR-4 Cert		4.50	11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	42.0		1.90		110	4.00	2.80	14.6	1.63
SDC-1 Meas		< 20	38.2	1.56	1.01	8.79	2.06	1.06		35	56	884	4.98	1.0	35.4	3.6	3.0	1.3	20		3.58	18.0	1.47
SDC-1 Cert		13.00	34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	38.0	4.10	3.00	1.50	200.00		4.00	18.0	1.70
GXR-6 Meas		< 20	35.9	0.10	0.57	> 10.0	1.91	0.16	0.1	192	79	1060	5.58	2.9	23.1		0.9		< 10	0.35	3.77	13.3	0.61
GXR-6 Cert		9.80	32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	27.0		1.40		68.0	1.30	4.20	13.8	0.760
OREAS 97 (4 Acid) Meas																				20.5		67.9	
OREAS 97 (4 Acid) Cert																				19.6		62.9	
OREAS 98 (4 Acid) Meas																				46.8		124	
OREAS 98 (4 Acid) Cert																				45.1		121	
DNC-1a Meas			5.0	1.45				7.92		149	148		6.68		252							54.7	0.55
DNC-1a Cert			5.2	1.40				8.21		148	270		6.97		247							57	0.59
DNC-1a Meas			5.1	1.45				8.56		159	150		7.21		266							56.9	0.52
DNC-1a Cert			5.2	1.40				8.21		148	270		6.97		247							57	0.59
SBC-1 Meas			173						0.4	215	98			3.4	78.6	3.4	3.3	1.2			7.26	21.0	1.79
SBC-1 Cert			163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40			8.2	22.7	1.98
SBC-1 Meas			181						0.4	224	105			3.4	84.0	3.4	3.3	1.2			7.02	22.5	1.77
SBC-1 Cert			163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40			8.2	22.7	1.98
OREAS 45d (4-Acid) Meas			22.6	0.10	0.24	8.64	0.44	0.19		154	548	511	15.0	2.7	231	1.4	0.7	0.4			3.37	30.6	0.62
OREAS 45d (4-Acid) Cert			21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830	231.0	1.38	0.79	0.46			3.910	29.50	0.57
OREAS 220 (Fire Assay) Meas	0.841																						
OREAS 220 (Fire Assay) Cert	0.866																						
OREAS 96 (4 Acid) Meas																				11.3		51.0	
OREAS 96 (4 Acid) Cert																				11.5		49.9	

	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
DESCRIPTION	g/mt	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
OREAS 621 (4 Acid) Meas			15.4	1.39	0.39	7.21	2.27	2.06	311	35	38	544	3.92	4.6	28.6		2.0			68.1	3.01	30.1	
OREAS 621 (4 Acid) Cert			14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41	26.2		1.69			69.0	3.28	29.3	
OREAS 209 (Fire Assay) Meas	1.58																						
OREAS 209 (Fire Assay) Cert	1.58																						
E886152 Orig	0.005																						
E886152 Dup	< 0.005																						
E886157 Orig		< 20	< 0.5	< 0.01	1.16	0.21	0.01	0.19	26.6	11	20	> 10000	12.1	< 0.1	72.4	0.8	0.2	0.2	20	64.4	0.06	11.9	0.24
E886157 Dup		< 20	< 0.5	< 0.01	1.07	0.19	0.01	0.15	26.1	10	15	> 10000	11.4	< 0.1	68.9	0.7	0.2	0.2	< 10	60.5	0.06	11.3	0.28
Method Blank		< 20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	3	2	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	20	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		< 20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	4	1	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 10	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		< 20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	2	1	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	20	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank	< 0.005																						
Method Blank	< 0.005																						

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E886152	< 0.02	< 0.1	33.8	1.9	16.1	0.5	2.2	4	< 0.1	0.26	< 0.1	< 1	1.5	< 0.1	8	0.7	1.7	0.2	1.1	0.2	0.3	< 0.1	0.4
E886153	< 0.02	0.3	31.5	1.3	346	0.4	1.7	2	< 0.1	0.29	< 0.1	< 1	2.1	< 0.1	9	0.4	0.9	0.1	0.6	0.1	0.2	< 0.1	0.3
E886154	0.03	< 0.1	30.8	4.9	41.8	0.4	3.2	10	< 0.1	0.43	< 0.1	< 1	1.7	< 0.1	3	1.5	3.7	0.5	2.3	1.0	0.9	0.1	0.8
E886155	0.03	< 0.1	11.7	1.7	9.5	0.5	3.2	7	< 0.1	0.24	< 0.1	< 1	1.5	< 0.1	9	0.9	2.7	0.4	1.9	0.9	0.6	< 0.1	0.7
E886156	0.08	0.2	34.2	2.1	343	0.3	3.8	5	< 0.1	0.31	< 0.1	< 1	2.7	< 0.1	4	1.3	3.2	0.4	2.1	0.6	0.8	0.1	0.7
E886157	40.3	0.2	3580	1.0	489	0.6	9.6	4	< 0.1	0.24	0.3	2	56.5	0.1	7	1.0	1.4	0.1	0.7	0.2	0.5	0.1	0.9
E886158	0.08	< 0.1	19.5	0.5	124	< 0.2	1.1	< 1	< 0.1	0.33	< 0.1	< 1	1.2	< 0.1	3	0.2	0.6	< 0.1	0.4	0.1	0.3	< 0.1	0.2
E886159	0.08	0.2	59.2	3.2	255	0.3	3.4	7	< 0.1	0.19	< 0.1	< 1	14.8	< 0.1	11	1.4	2.7	0.4	2.2	0.3	0.6	0.1	0.6
E886160	0.03	< 0.1	3.8	0.8	0.4	3.0	1.7	17	< 0.1	0.36	< 0.1	< 1	0.2	< 0.1	31	2.0	3.7	0.4	1.7	0.3	0.3	< 0.1	0.2
E886161	< 0.02	< 0.1	11.7	0.3	37.0	0.2	0.7	< 1	< 0.1	0.19	< 0.1	< 1	0.5	< 0.1	7	0.2	0.5	< 0.1	0.3	< 0.1	< 0.1	< 0.1	0.1
E886162	0.05	0.4	82.8	3.2	490	0.4	2.5	7	< 0.1	0.47	< 0.1	< 1	4.1	< 0.1	8	0.8	1.6	0.2	1.1	0.3	0.4	< 0.1	0.4
GXR-4 Meas	18.5	6.8	76.5	18.7	101	139	13.3	41	9.6	331	0.2	8	4.7	1.0	238	54.4	105		41.3	6.4	4.9	0.5	2.8
GXR-4 Cert	19.0	5.60	73.0	20.0	98.0	160	14.0	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
SDC-1 Meas			105	23.5	< 0.1	82.3		37	0.1			< 1	< 0.1		613	37.5	83.8		39.7	6.5	6.7	1.0	6.4
SDC-1 Cert			103.00	21.00	0.220	127.00		290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
GXR-6 Meas	0.18	1.3	121	32.0	305	66.4	11.3	93	4.9	1.98	< 0.1	1	2.4	< 0.1	1170	11.5	30.6		12.1	2.0	2.3	0.4	2.4
GXR-6 Cert	0.290	0.940	118	35.0	330	90.0	14.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80
OREAS 97 (4 Acid) Meas	40.3	80.9	630									101	8.1										
OREAS 97 (4 Acid) Cert	40.1	71.4	646									95.7	9.23										
OREAS 98 (4 Acid) Meas	94.5	192	1320									> 200	9.9										
OREAS 98 (4	97.2	158	1360									206	20.1										

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Acid) Cert																							
DNC-1a Meas			61.6	12.8		2.7	14.1	34	1.4				1.4		96	3.2			4.7				
DNC-1a Cert			70	15		5	18.0	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas			66.5	13.8		2.9	14.6	35	1.4				0.8		96	3.3			4.6				
DNC-1a Cert			70	15		5	18.0	38.0	3				0.96		118	3.6			5.20				
SBC-1 Meas	0.67		175	25.7	21.3	118	28.6	114	14.3	2.00		3	1.0		692	45.4	95.9	11.7	46.1	8.8	8.1	1.1	6.3
SBC-1 Cert	0.70		186	27.0	25.7	147	36.5	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
SBC-1 Meas	0.64		197	28.1	23.3	114	29.3	113	14.4	2.50		3	1.0		727	46.1	96.5	11.4	45.7	7.8	8.0	1.1	6.4
SBC-1 Cert	0.70		186	27.0	25.7	147	36.5	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
OREAS 45d (4-Acid) Meas	0.31		43.2	22.1	8.3	36.8	10.5	99	0.7	0.51	0.1	< 1	< 0.1		172	15.4	33.0	3.5	13.6	2.6	2.6	0.4	2.4
OREAS 45d (4-Acid) Cert	0.31		45.7	21.20	13.8	42.1	9.53	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 220 (Fire Assay) Meas																							
OREAS 220 (Fire Assay) Cert																							
OREAS 96 (4 Acid) Meas	26.4	48.7	424									64	5.3										
OREAS 96 (4 Acid) Cert	26.3	40.7	457									65.6	5.09										
OREAS 621 (4 Acid) Meas	3.89	4.5	> 10000	25.2	64.9	72.0	12.4	171	9.4	13.1	2.0	5	23.9			17.8	43.2					0.5	
OREAS 621 (4 Acid) Cert	3.93	5.64	52200	24.6	77.0	84.0	11.1	168	8.61	13.6	1.83	5.25	139			21.6	46.6					0.460	
OREAS 209 (Fire Assay) Meas																							
OREAS 209 (Fire Assay) Cert																							
E886152 Orig																							
E886152 Dup																							
E886157 Orig	40.3	0.2	3580	1.0	489	0.6	9.6	4	< 0.1	0.24	0.3	2	56.5	0.1	7	1.0	1.4	0.1	0.7	0.2	0.5	0.1	0.9
E886157 Dup	38.4	0.3	3360	0.9	474	0.6	8.7	4	< 0.1	0.23	0.2	2	54.1	< 0.1	8	0.9	1.4	0.1	0.6	0.2	0.6	0.1	0.8
Method Blank	< 0.02	0.1	0.9	0.2	< 0.1	< 0.2	< 0.1	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.02	0.2	< 0.2	0.2	< 0.1	< 0.2	< 0.1	< 1	< 0.1	0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.02	0.2	0.2	0.2	< 0.1	< 0.2	< 0.1	< 1	< 0.1	0.07	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E886152	64.5	< 0.1	< 0.1	0.2	< 0.1	< 0.1	127	0.2	< 0.001	< 0.05	2.6	0.1	< 0.1
E886153	15.5	< 0.1	< 0.1	0.2	< 0.1	< 0.1	89.2	0.2	< 0.001	< 0.05	6.3	< 0.1	< 0.1
E886154	4.1	< 0.1	< 0.1	0.4	< 0.1	< 0.1	159	6.8	< 0.001	0.07	1.8	0.4	0.2
E886155	3.4	0.2	< 0.1	0.3	< 0.1	< 0.1	201	1.2	< 0.001	< 0.05	1.9	0.2	0.1

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
E886156	7.1	< 0.1	< 0.1	0.4	< 0.1	< 0.1	375	1.7	< 0.001	< 0.05	2.4	0.1	< 0.1
E886157	150	< 0.1	0.1	0.8	0.1	< 0.1	1.3	0.6	< 0.001	< 0.05	1330	0.1	0.1
E886158	8.8	< 0.1	< 0.1	0.2	< 0.1	< 0.1	65.7	0.2	< 0.001	< 0.05	6.7	< 0.1	< 0.1
E886159	110	< 0.1	< 0.1	0.4	< 0.1	< 0.1	163	0.3	< 0.001	< 0.05	3.0	0.2	< 0.1
E886160	5.6	< 0.1	< 0.1	0.2	< 0.1	< 0.1	3.5	< 0.1	< 0.001	0.15	2.1	1.0	0.4
E886161	16.6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	32.3	< 0.1	< 0.001	< 0.05	3.7	< 0.1	< 0.1
E886162	16.0	< 0.1	< 0.1	0.3	< 0.1	< 0.1	142	0.5	< 0.001	< 0.05	3.1	0.1	< 0.1
GXR-4 Meas	6800		0.2	1.1	0.2	0.6	226	36.0		3.49	45.4	21.2	5.6
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	221	30.8		3.20	52.0	22.5	6.20
SDC-1 Meas	27.3		0.5	3.4		< 0.1	181	< 0.1		0.68	21.8	11.9	2.7
SDC-1 Cert	30.000		0.65	4.00		1.20	180.00	0.80		0.70	25.00	12.00	3.10
GXR-6 Meas	60.6			1.7	0.3	0.3	34.0	1.1		2.30	90.1	4.9	1.4
GXR-6 Cert	66.0			2.40	0.330	0.485	35.0	1.90		2.20	101	5.30	1.54
OREAS 97 (4 Acid) Meas	> 10000										130		
OREAS 97 (4 Acid) Cert	63100.00										147		
OREAS 98 (4 Acid) Meas	> 10000										307		
OREAS 98 (4 Acid) Cert	148000.0										345		
DNC-1a Meas	84.8			1.8			139				5.3		
DNC-1a Cert	100			2.0			144				6.3		
DNC-1a Meas	90.9			1.9			139				5.2		
DNC-1a Cert	100			2.0			144				6.3		
SBC-1 Meas	25.4		0.5	3.4	0.5	1.1	174	1.8		0.94	31.0	15.1	5.5
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	178.0	1.60		0.89	35.0	15.8	5.76
SBC-1 Meas	25.4		0.5	3.4	0.5	1.0	178	1.5		0.93	30.8	15.8	5.4
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	178.0	1.60		0.89	35.0	15.8	5.76
OREAS 45d (4-Acid) Meas	367			1.5	0.2	< 0.1	31.8	< 0.1		0.26	18.6	14.8	2.6
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	31.30	1.62		0.27	21.8	14.5	2.63
OREAS 220 (Fire Assay) Meas													
OREAS 220 (Fire Assay) Cert													
OREAS 96 (4 Acid) Meas	> 10000										88.1		
OREAS 96 (4 Acid) Cert	39300										101		
OREAS 621 (4 Acid) Meas	3700			1.1	0.2		67.6	2.3		2.24	> 5000	5.2	2.8
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		91.0	2.35		1.96	13600	7.48	2.83
OREAS 209 (Fire													

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SAMPLE	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Assay) Meas													
OREAS 209 (Fire Assay) Cert													
E886152 Orig													
E886152 Dup													
E886157 Orig	150	< 0.1	0.1	0.8	0.1	< 0.1	1.3	0.6	< 0.001	< 0.05	1330	0.1	0.1
E886157 Dup	139	< 0.1	0.1	0.7	0.1	< 0.1	1.2	1.1	< 0.001	0.05	1280	0.1	0.1
Method Blank	< 0.2	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	1.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank													
Method Blank													

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Finalized Date: 25- SEP- 2018
Account: OPB

CERTIFICATE VA18178522

Project: Vegetation Sampling

This report is for 54 Vegetation samples submitted to our lab in Vancouver, BC, Canada on 23- JUL- 2018.

The following have access to data associated with this certificate:

THOMAS BISSIG	COLIN DUNN	NIC GUEST
STEPHEN MILLER	DAVID MURRAY	MATT ZAGO

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
LOG- 24	Pulp Login - Rcd w/o Barcode
BAG- 01	Bulk Master for Storage
DRY- 22	Drying - Maximum Temp 60C
LOG- 22	Sample login - Rcd w/o BarCode
VEG- ASH01	Controlled Ignition - Veg Samp. @ 475C

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME- VEG41a	Super Trace - Ashed Vegetation Samples

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Comments: **Corrected certificate for VEG- ASH01 on samples E885651L to E885675T**

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Finalized Date: 25- SEP- 2018
Account: OPB

Project: Vegetation Sampling

CERTIFICATE OF ANALYSIS VA18178522

Sample Description	Method	VEG- ASH01	VEG- ASH01	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a
	Analyte	WT. SAMP	WT. ASH	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	g	g	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.01	0.01	0.0002	0.001	0.01	0.01	1	0.1	0.01	0.001	0.01	0.001	0.003	0.002	0.01
E885651L		26.9	0.76	0.0185	0.080	0.20	1.93	698	1005	0.05	0.064	19.30	0.334	1.795	1.225	4.15
E885651C- L				0.0074	0.042	3.02	4.60	355	107.0	0.54	0.116	18.30	0.261	31.5	18.75	165.5
E885652L		36.0	0.89	0.0117	0.071	0.19	1.92	810	484	0.04	0.066	18.35	0.296	1.805	1.675	3.54
E885653L		32.8	0.97	0.0083	0.131	0.26	2.14	594	260	0.05	0.064	20.8	0.380	2.35	1.105	4.29
E885654L		19.20	0.72	0.0156	0.121	0.25	2.80	398	317	0.06	0.081	18.20	0.587	3.53	2.42	5.52
E885655L		24.8	0.80	0.0043	0.081	0.25	3.77	578	405	0.03	0.060	19.25	0.409	2.06	1.285	3.33
E885656L		14.80	0.59	0.0170	0.106	0.20	2.71	506	262	0.06	0.072	16.30	0.450	1.945	1.195	4.06
E885657L		18.05	0.70	0.0047	0.070	0.24	1.04	557	301	0.03	0.048	20.1	0.267	1.545	0.971	3.31
E885658L		21.5	0.65	0.0114	0.090	0.23	2.28	560	255	0.05	0.070	18.95	0.430	2.77	1.645	3.53
E885659L		14.55	0.50	0.0125	0.092	0.29	3.05	538	304	0.06	0.092	19.60	0.417	2.98	3.27	4.10
E885660L		11.55	0.34	0.0098	0.119	0.17	2.31	537	275	0.05	0.102	19.95	1.570	2.66	2.16	5.74
E885661L		9.05	0.31	0.0100	0.081	0.16	1.66	588	258	0.03	0.061	17.10	0.789	1.885	1.500	3.07
E885662L		12.10	0.37	0.0049	0.054	0.12	1.33	786	260	0.03	0.055	16.15	0.847	1.805	1.010	2.81
E885663L		13.65	0.50	0.0311	0.049	0.14	1.48	798	252	0.05	0.057	16.05	1.705	1.950	1.725	4.90
E885664L		17.45	0.58	0.0047	0.061	0.17	2.04	675	350	0.05	0.056	19.05	0.634	2.34	1.595	3.36
E885665L		19.80	0.64	0.0065	0.097	0.22	2.60	569	290	0.04	0.068	18.55	0.430	2.12	1.150	3.14
E885666L		19.80	0.62	0.0032	0.043	0.17	1.23	515	331	0.03	0.048	19.25	0.183	1.595	1.235	2.92
E885667L		21.0	0.67	0.0095	0.086	0.24	1.70	585	299	0.06	0.069	17.60	0.497	2.38	1.440	2.84
E885668L		20.3	0.56	0.0042	0.052	0.20	1.18	481	332	0.03	0.050	18.35	0.217	1.520	0.745	2.62
E885669L		20.0	0.57	0.0085	0.064	0.21	1.08	465	286	0.02	0.059	16.70	0.251	1.575	0.726	3.52
E885670L		24.7	0.81	0.0040	0.051	0.28	1.19	506	333	0.04	0.046	19.90	0.227	1.640	0.972	3.39
E885670C- L				0.0046	0.038	2.95	4.44	359	109.5	0.48	0.107	18.00	0.281	29.9	18.05	150.0
E885671L		20.6	0.77	0.0050	0.022	0.18	0.69	475	399	0.02	0.026	18.85	0.138	0.909	0.735	1.39
E885672L		27.1	0.89	0.0017	0.043	0.25	0.92	399	447	0.03	0.039	17.75	0.314	1.660	1.175	1.87
E885673L		18.75	0.68	0.0133	0.041	0.20	0.94	376	343	0.03	0.035	18.70	0.203	1.020	0.779	1.55
E885674L		20.0	0.55	0.0043	0.032	0.18	0.86	550	281	0.02	0.029	16.80	0.132	0.917	0.681	1.42
E885675L		17.75	0.62	0.0021	0.046	0.25	1.11	585	802	0.03	0.044	19.75	0.315	1.605	0.892	3.20
E885651T		25.1	0.30	0.0154	0.155	0.26	3.40	621	418	0.07	0.116	19.30	0.477	4.09	2.36	5.65
E885651C- T				0.0041	0.039	2.95	4.32	350	108.0	0.53	0.106	17.65	0.268	29.3	17.55	157.5
E885652T		29.6	0.41	0.0127	0.131	0.22	1.86	682	368	0.06	0.083	18.60	0.499	3.07	2.65	3.57
E885653T		24.6	0.36	0.0089	0.162	0.29	2.14	610	377	0.08	0.099	22.7	0.568	4.11	1.875	5.62
E885654T		32.5	0.42	0.0137	0.194	0.28	2.80	593	293	0.10	0.105	16.70	1.460	9.46	6.59	5.97
E885655T		28.6	0.28	0.0072	0.148	0.26	1.68	540	341	0.07	0.073	17.15	0.617	3.37	1.940	3.46
E885656T		28.1	0.37	0.0184	0.139	0.26	1.42	547	335	0.07	0.069	15.25	0.917	3.09	2.17	3.74
E885657T		27.4	0.41	0.0046	0.138	0.31	1.71	450	282	0.05	0.065	17.50	0.843	3.21	2.06	5.20
E885658T		26.9	0.36	0.0101	0.215	0.31	1.83	497	320	0.08	0.091	19.40	0.671	4.14	2.08	4.12
E885659T		28.7	0.35	0.0048	0.257	0.30	1.58	589	423	0.07	0.084	18.65	1.270	5.42	2.73	4.28
E885660T		34.0	0.42	0.0064	0.109	0.34	3.45	687	357	0.10	0.099	20.2	0.929	4.73	8.49	3.84
E885661T		31.5	0.31	0.0063	0.154	0.28	2.43	718	252	0.09	0.135	20.3	3.29	5.09	5.16	4.82
E885662T		33.6	0.46	0.0058	0.164	0.23	1.38	619	237	0.07	0.069	16.70	1.435	3.65	2.90	3.55

Comments: **Corrected certificate for VEG- ASH01 on samples E885651L to E885675T**

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

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Project: Vegetation Sampling

CERTIFICATE OF ANALYSIS VA18178522

Sample Description	Method Analyte Units LOD	ME- VEG41a Cs ppm 0.005	ME- VEG41a Cu ppm 0.01	ME- VEG41a Fe ppm 1	ME- VEG41a Ga ppm 0.004	ME- VEG41a Ge ppm 0.005	ME- VEG41a Hf ppm 0.002	ME- VEG41a Hg ppm 0.001	ME- VEG41a In ppm 0.005	ME- VEG41a K % 0.01	ME- VEG41a La ppm 0.002	ME- VEG41a Li ppm 0.1	ME- VEG41a Mg % 0.001	ME- VEG41a Mn ppm 0.1	ME- VEG41a Mo ppm 0.01	ME- VEG41a Na % 0.001
E885651L		3.35	161.0	1900	0.304	0.005	0.008	0.002	0.008	>10.0	0.992	0.9	3.60	18250	1.14	0.101
E885651C- L		1.225	77.8	28000	6.96	0.070	0.283	0.003	0.026	1.28	15.00	12.3	1.990	1115	0.89	0.596
E885652L		8.26	195.5	2200	0.327	<0.005	0.009	0.003	0.011	>10.0	0.952	1.4	3.72	23200	1.63	0.114
E885653L		8.68	147.0	2300	0.406	0.010	0.006	0.001	0.010	>10.0	1.265	1.5	3.96	18200	2.21	0.082
E885654L		6.66	159.0	2600	0.443	0.009	0.007	0.005	<0.005	>10.0	2.41	1.5	4.59	19750	1.97	0.130
E885655L		4.81	128.5	2100	0.371	0.006	0.005	0.002	<0.005	>10.0	1.105	1.1	4.07	24500	2.20	0.067
E885656L		7.49	165.5	2600	0.361	0.006	0.004	0.004	<0.005	>10.0	1.030	1.3	3.60	33500	2.29	0.113
E885657L		3.45	131.5	1900	0.375	0.008	0.011	0.001	0.013	>10.0	0.801	0.5	2.61	26800	3.36	0.064
E885658L		1.585	147.0	2400	0.439	0.008	0.008	<0.001	0.006	>10.0	1.430	0.9	3.78	23600	1.32	0.063
E885659L		3.61	205	2900	0.464	0.006	0.006	0.003	0.009	>10.0	1.580	1.2	3.68	12050	1.84	0.085
E885660L		3.40	245	2900	0.432	0.008	0.006	0.001	0.005	>10.0	1.355	1.0	4.57	14000	5.24	0.108
E885661L		1.840	208	2100	0.291	0.006	0.012	0.002	<0.005	>10.0	0.949	0.7	3.60	24200	4.79	0.114
E885662L		1.725	174.0	1900	0.272	<0.005	0.017	0.003	0.006	>10.0	0.881	0.7	3.91	9210	2.52	0.072
E885663L		2.36	181.0	2100	0.311	<0.005	0.017	<0.001	0.009	>10.0	0.996	0.8	3.40	11500	5.78	0.083
E885664L		4.39	177.5	2200	0.337	<0.005	0.010	0.002	0.010	>10.0	1.220	0.8	3.74	9330	5.21	0.063
E885665L		12.95	141.5	2100	0.383	0.007	0.013	0.002	0.006	>10.0	1.185	0.8	3.52	31500	3.70	0.042
E885666L		4.98	149.5	1800	0.262	0.005	0.019	0.003	0.005	>10.0	0.861	0.7	4.07	15850	1.05	0.057
E885667L		3.78	173.0	2300	0.368	0.007	0.015	0.002	0.009	>10.0	1.320	0.9	4.00	25500	1.77	0.055
E885668L		5.39	198.0	1800	0.256	<0.005	0.021	0.003	0.007	>10.0	0.803	0.6	2.99	21700	3.63	0.040
E885669L		2.94	157.5	2000	0.293	<0.005	0.020	0.002	0.011	>10.0	0.847	0.6	3.33	29400	3.09	0.041
E885670L		1.465	111.5	1900	0.316	0.009	0.030	0.002	0.014	>10.0	0.879	0.7	3.14	40200	1.47	0.031
E885670C- L		1.205	81.1	23900	6.87	0.057	0.238	<0.001	0.032	1.27	14.45	10.3	1.950	1170	0.94	0.587
E885671L		1.910	98.2	1300	0.191	0.009	0.021	<0.001	0.009	>10.0	0.494	0.4	3.04	32100	1.50	0.025
E885672L		9.75	147.5	1800	0.265	<0.005	0.020	0.003	0.006	>10.0	1.005	0.7	4.25	19300	2.67	0.024
E885673L		8.58	118.0	1500	0.200	0.005	0.022	0.001	<0.005	>10.0	0.535	0.5	3.82	12600	2.69	0.029
E885674L		7.01	133.0	1400	0.190	0.007	0.012	0.003	<0.005	>10.0	0.497	0.5	3.27	17600	1.86	0.028
E885675L		9.05	117.0	1900	0.292	<0.005	0.026	0.001	0.005	>10.0	0.890	0.8	4.40	15150	1.21	0.028
E885651T		3.62	340	3000	0.523	<0.005	0.009	<0.001	0.021	>10.0	2.13	1.4	3.62	47000	1.14	0.169
E885651C- T		1.275	78.4	26300	6.91	0.048	0.240	0.001	0.031	1.28	14.00	11.0	1.930	1160	0.98	0.582
E885652T		6.57	344	2800	0.501	0.007	0.015	0.002	0.008	>10.0	1.575	1.4	4.05	>50000	1.18	0.146
E885653T		9.33	233	3300	0.627	0.007	0.019	0.003	0.009	>10.0	2.09	1.8	3.76	>50000	1.52	0.104
E885654T		7.39	351	3200	0.546	0.007	0.005	0.001	0.006	>10.0	7.36	1.9	4.19	46000	4.65	0.202
E885655T		3.41	266	2600	0.514	0.007	0.008	0.002	0.019	>10.0	1.775	1.4	3.81	45800	1.76	0.126
E885656T		6.56	265	2500	0.490	0.008	0.008	0.003	0.008	>10.0	1.540	1.8	3.25	>50000	2.73	0.119
E885657T		3.11	248	2900	0.693	0.014	0.011	0.003	0.016	>10.0	1.690	1.7	2.37	>50000	3.55	0.139
E885658T		11.50	227	2900	0.669	0.016	0.006	0.001	<0.005	>10.0	2.23	1.9	3.23	>50000	3.54	0.103
E885659T		1.665	302	3400	0.671	0.012	0.008	0.003	0.007	>10.0	2.63	1.9	4.03	31800	2.55	0.077
E885660T		3.13	313	3800	0.694	0.011	0.011	0.001	0.005	>10.0	2.42	2.2	4.19	35700	2.71	0.106
E885661T		3.29	410	4100	0.742	0.012	0.011	0.001	0.011	>10.0	2.23	2.2	4.11	32700	21.5	0.154
E885662T		1.840	280	2800	0.515	0.010	0.009	0.001	<0.005	>10.0	1.580	2.0	3.32	41100	14.55	0.093

Comments: **Corrected certificate for VEG- ASH01 on samples E885651L to E885675T**

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

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Finalized Date: 25- SEP- 2018
Account: OPB

Project: Vegetation Sampling

CERTIFICATE OF ANALYSIS VA18178522

Sample Description	Method	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a
	Analyte	Nb	Ni	P	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.002	0.04	0.001	0.01	0.001	0.002	0.01	0.001	0.01	0.01	0.01	0.005	0.01	0.02	0.001
E885651L		0.117	40.1	4.41	8.56	<0.001	<0.002	750	0.004	1.35	1.03	0.86	0.290	0.54	224	<0.001
E885651C- L		0.062	144.0	0.253	8.36	0.002	0.003	20.0	0.001	0.46	0.23	10.90	0.458	0.85	1060	<0.001
E885652L		0.124	35.2	>5.0	6.67	0.002	<0.002	860	0.004	1.48	1.25	1.02	0.276	0.46	224	<0.001
E885653L		0.168	37.3	4.41	5.25	0.001	<0.002	680	0.006	1.66	1.02	1.15	0.447	0.39	330	0.005
E885654L		0.162	37.0	4.94	6.00	0.002	<0.002	1430	0.008	1.63	2.12	1.20	0.495	0.58	544	0.005
E885655L		0.158	34.7	3.79	4.94	0.001	<0.002	1210	0.004	1.20	1.45	1.12	0.701	0.41	506	<0.001
E885656L		0.178	17.25	>5.0	4.69	0.001	<0.002	1440	<0.001	1.72	2.12	1.21	0.650	0.55	350	<0.001
E885657L		0.156	26.8	3.82	4.61	<0.001	<0.002	920	0.002	1.62	1.46	0.93	0.618	0.24	310	<0.001
E885658L		0.177	25.1	4.17	7.71	0.001	<0.002	730	0.002	2.01	1.34	1.08	0.673	0.47	330	0.005
E885659L		0.205	50.0	4.57	8.41	0.001	<0.002	940	0.004	1.94	2.40	1.09	0.595	0.69	362	0.005
E885660L		0.196	12.45	>5.0	9.31	<0.001	<0.002	660	0.002	2.35	1.95	1.04	0.606	0.51	288	<0.001
E885661L		0.159	11.35	>5.0	5.93	0.001	<0.002	800	0.002	2.27	2.17	0.89	0.573	0.31	177.0	0.005
E885662L		0.169	6.92	4.40	5.10	0.001	0.002	378	0.003	2.45	1.93	0.86	0.461	0.34	232	<0.001
E885663L		0.160	9.64	4.10	6.27	0.001	<0.002	560	0.003	2.42	1.42	0.82	0.363	0.30	253	<0.001
E885664L		0.144	14.00	4.32	6.17	0.002	<0.002	680	0.001	1.61	1.81	0.81	0.296	0.35	299	<0.001
E885665L		0.150	15.60	4.27	5.38	<0.001	<0.002	1370	0.003	1.71	1.45	0.91	0.473	0.47	304	<0.001
E885666L		0.131	30.9	4.22	5.97	<0.001	<0.002	920	0.003	1.58	0.95	0.71	0.412	0.23	193.0	<0.001
E885667L		0.145	31.9	4.76	6.89	<0.001	<0.002	1070	0.002	1.85	1.20	0.99	0.577	0.38	437	<0.001
E885668L		0.101	20.8	4.65	4.87	<0.001	0.002	1640	0.002	1.60	1.16	0.89	0.436	0.32	246	<0.001
E885669L		0.152	15.25	4.77	4.68	0.001	<0.002	1210	0.002	2.08	1.13	0.67	0.456	0.32	230	<0.001
E885670L		0.120	41.9	3.80	3.29	<0.001	<0.002	890	0.003	1.75	0.67	0.85	0.937	0.23	490	<0.001
E885670C- L		0.071	139.5	0.261	8.18	0.001	0.005	20.3	0.002	0.49	0.21	11.40	0.447	0.73	1130	<0.001
E885671L		0.064	47.6	3.30	2.20	<0.001	<0.002	1090	0.002	1.49	0.53	0.55	1.045	0.16	460	<0.001
E885672L		0.102	32.6	4.11	4.06	<0.001	<0.002	1700	0.004	1.58	0.74	0.77	0.396	0.22	366	<0.001
E885673L		0.085	40.0	4.24	3.44	<0.001	<0.002	1740	0.002	1.66	0.67	0.66	0.344	0.20	496	<0.001
E885674L		0.081	33.9	4.36	2.53	<0.001	<0.002	1340	0.002	2.01	0.67	0.78	0.733	0.14	439	<0.001
E885675L		0.138	20.7	3.52	4.93	<0.001	<0.002	1370	0.005	1.49	0.91	0.90	0.385	0.20	345	<0.001
E885651T		0.174	41.1	4.42	16.25	0.002	<0.002	530	0.001	1.29	1.92	0.75	0.410	0.87	414	<0.001
E885651C- T		0.067	140.5	0.255	8.37	<0.001	0.003	19.35	<0.001	0.48	0.24	11.30	0.478	0.80	1100	<0.001
E885652T		0.144	34.9	4.79	9.22	<0.001	<0.002	530	0.001	1.48	1.02	0.60	0.333	0.49	419	<0.001
E885653T		0.187	41.4	4.06	10.90	<0.001	0.002	440	0.001	1.38	1.03	0.78	0.491	0.54	594	<0.001
E885654T		0.151	60.2	>5.0	13.85	<0.001	<0.002	1230	0.001	1.62	1.87	0.65	0.510	0.61	914	<0.001
E885655T		0.145	40.0	4.38	12.05	<0.001	<0.002	960	0.001	1.72	1.34	0.77	1.155	0.31	773	<0.001
E885656T		0.139	27.2	>5.0	8.25	0.001	<0.002	1020	<0.001	1.70	1.21	0.79	0.874	0.40	561	<0.001
E885657T		0.176	40.5	4.73	8.02	<0.001	<0.002	780	<0.001	1.65	1.55	0.79	0.926	0.32	441	<0.001
E885658T		0.150	20.1	4.11	12.70	<0.001	<0.002	920	<0.001	1.58	1.28	0.88	0.880	0.68	527	<0.001
E885659T		0.199	27.4	>5.0	14.85	<0.001	<0.002	670	<0.001	1.58	0.84	0.93	0.954	0.47	527	<0.001
E885660T		0.197	57.3	4.46	14.35	0.002	<0.002	680	0.002	1.66	1.16	0.95	0.756	0.57	540	<0.001
E885661T		0.192	17.80	>5.0	20.7	<0.001	<0.002	480	<0.001	2.25	1.88	0.92	0.998	0.61	504	<0.001
E885662T		0.158	13.80	4.97	12.60	<0.001	<0.002	740	0.001	2.18	0.97	0.74	0.722	0.34	299	<0.001

Comments: **Corrected certificate for VEG- ASH01 on samples E885651L to E885675T**

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

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Finalized Date: 25- SEP- 2018
Account: OPB

Project: Vegetation Sampling

CERTIFICATE OF ANALYSIS VA18178522

Sample Description	Method	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a
	Analyte	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.002	0.001	0.002	0.005	0.05	0.01	0.003	0.1	0.02
E885651L		0.11	0.181	0.006	0.031	0.062	3.27	0.37	0.495	754	0.41
E885651C- L		<0.02	4.15	0.028	0.140	0.644	62.1	0.08	11.35	199.5	9.32
E885652L		<0.02	0.193	0.006	0.040	0.065	3.11	0.33	0.629	853	0.36
E885653L		<0.02	0.232	0.007	0.067	0.084	4.10	0.62	0.744	780	0.16
E885654L		<0.02	0.244	0.010	0.017	0.096	4.33	0.49	1.370	896	0.22
E885655L		<0.02	0.221	0.008	0.040	0.075	3.71	0.24	0.854	805	0.19
E885656L		<0.02	0.192	0.010	0.014	0.353	3.68	0.42	0.880	1070	0.18
E885657L		0.07	0.200	0.008	0.019	0.069	3.47	0.31	1.600	744	0.52
E885658L		<0.02	0.276	0.009	0.022	0.115	4.31	0.36	1.040	1055	0.41
E885659L		0.13	0.378	0.009	0.014	0.144	4.75	0.29	1.285	909	0.31
E885660L		<0.02	0.308	0.008	0.023	0.109	4.73	0.24	1.015	713	0.44
E885661L		0.06	0.180	0.008	0.009	0.078	2.81	0.18	0.642	1000	0.55
E885662L		<0.02	0.202	0.007	0.015	0.077	3.07	0.18	0.693	1585	0.75
E885663L		<0.02	0.216	0.006	0.025	0.081	3.45	0.17	0.754	636	0.72
E885664L		<0.02	0.256	0.006	0.018	0.098	3.72	0.27	0.859	966	0.47
E885665L		0.06	0.249	0.009	0.028	0.091	3.45	0.31	0.809	843	0.62
E885666L		<0.02	0.186	0.004	0.020	0.065	2.58	0.14	0.583	817	0.79
E885667L		<0.02	0.212	0.006	0.039	0.083	3.65	0.16	0.759	1075	0.65
E885668L		<0.02	0.155	0.004	0.087	0.060	2.39	0.18	0.626	962	0.78
E885669L		<0.02	0.159	0.007	0.045	0.066	2.68	0.19	0.523	907	0.83
E885670L		<0.02	0.182	0.005	0.046	0.061	2.98	0.10	0.577	744	0.95
E885670C- L		<0.02	4.07	0.023	0.140	0.634	53.7	0.10	11.60	207	10.20
E885671L		<0.02	0.119	0.002	0.029	0.033	1.43	0.10	0.317	754	0.92
E885672L		<0.02	0.176	0.004	0.041	0.050	2.41	0.10	0.575	719	1.03
E885673L		<0.02	0.138	0.003	0.052	0.043	1.82	0.09	0.324	685	0.97
E885674L		<0.02	0.122	0.003	0.023	0.040	1.73	0.09	0.377	654	0.92
E885675L		<0.02	0.212	0.005	0.121	0.065	2.86	0.13	0.748	719	1.20
E885651T		<0.02	0.350	0.006	0.357	0.138	5.25	0.44	1.285	1395	0.32
E885651C- T		<0.02	4.07	0.024	0.145	0.629	53.4	0.11	11.30	210	9.43
E885652T		<0.02	0.298	0.005	0.256	0.114	4.18	0.30	1.115	1550	0.58
E885653T		<0.02	0.364	0.007	0.412	0.138	5.88	0.52	1.520	1605	0.70
E885654T		<0.02	0.256	0.006	1.570	0.124	5.01	0.55	1.985	1470	0.20
E885655T		<0.02	0.260	0.006	0.041	0.118	4.78	0.21	1.285	1140	0.44
E885656T		<0.02	0.246	0.007	0.016	0.345	4.22	0.29	1.260	1525	0.35
E885657T		<0.02	0.352	0.009	0.045	0.108	5.83	0.31	1.360	1070	0.36
E885658T		<0.02	0.349	0.008	0.057	0.144	5.43	0.25	1.350	1590	0.32
E885659T		<0.02	0.401	0.007	0.024	0.159	5.88	0.22	1.735	1655	0.36
E885660T		<0.02	0.428	0.008	0.033	0.182	6.25	0.29	1.770	1075	0.49
E885661T		<0.02	0.401	0.007	0.055	0.193	7.19	0.34	2.08	1085	0.42
E885662T		<0.02	0.217	0.006	0.023	0.135	4.51	0.22	1.325	1295	0.38

Comments: **Corrected certificate for VEG- ASH01 on samples E885651L to E885675T**

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

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Finalized Date: 25- SEP- 2018
Account: OPB

Project: Vegetation Sampling

CERTIFICATE OF ANALYSIS VA18178522

Sample Description	Method	VEG- ASH01	VEG- ASH01	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a
	Analyte	WT. SAMP	WT. ASH	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	g	g	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.01	0.01	0.0002	0.001	0.01	0.01	1	0.1	0.01	0.001	0.01	0.001	0.003	0.002	0.01
E885663T		38.9	0.45	0.0232	0.092	0.25	1.41	751	294	0.09	0.091	20.7	1.560	4.15	2.82	3.31
E885664T		29.9	0.34	0.0101	0.082	0.19	1.56	746	264	0.09	0.076	19.60	2.48	3.37	2.11	2.93
E885665T		29.0	0.33	0.0113	0.149	0.28	4.78	694	250	0.09	0.118	20.9	6.09	4.83	4.12	5.47
E885666T		26.0	0.38	0.0037	0.104	0.22	1.32	538	298	0.06	0.066	18.65	0.661	2.82	2.31	4.20
E885667T		35.9	0.43	0.0035	0.178	0.29	1.66	652	296	0.07	0.075	16.80	1.035	3.03	2.84	3.66
E885668T		35.0	0.42	0.0093	0.193	0.28	1.56	566	401	0.07	0.077	19.45	0.726	3.28	1.720	3.61
E885669T		32.1	0.35	0.0052	0.185	0.28	1.43	546	346	0.04	0.066	15.90	0.797	2.54	1.520	3.88
E885670T		28.7	0.29	0.0081	0.271	0.47	2.43	635	346	0.16	0.135	17.35	1.515	6.85	3.40	5.89
E885670C- T				0.0062	0.039	3.02	4.35	354	108.0	0.54	0.107	17.85	0.267	28.0	18.85	164.5
E885671T		28.7	0.33	0.0119	0.130	0.28	1.93	508	447	0.09	0.076	18.95	0.873	3.96	2.43	4.22
E885672T		30.6	0.40	0.0041	0.100	0.23	1.30	529	458	0.06	0.060	17.70	0.696	2.85	2.47	3.15
E885673T		32.7	0.39	0.0026	0.128	0.21	1.03	508	605	0.07	0.054	17.70	0.656	2.13	1.710	2.29
E885674T		31.2	0.34	0.0036	0.106	0.17	1.21	511	570	0.05	0.045	14.75	0.569	1.655	1.475	2.74
E885675T		30.5	0.40	0.0039	0.102	0.24	1.02	561	389	0.07	0.062	17.85	0.805	2.46	1.735	2.92

Comments: **Corrected certificate for VEG- ASH01 on samples E885651L to E885675T**

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

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Finalized Date: 25- SEP- 2018
Account: OPB

Project: Vegetation Sampling

CERTIFICATE OF ANALYSIS VA18178522

Sample Description	Method	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	0.005	0.01	1	0.004	0.005	0.002	0.001	0.005	0.01	0.002	0.1	0.001	0.1	0.01	0.001
E885663T		5.94	285	2800	0.556	0.011	0.010	0.001	0.008	>10.0	1.970	1.4	4.52	21900	12.35	0.091
E885664T		1.125	296	2400	0.468	0.009	0.012	0.003	0.012	>10.0	1.570	1.4	3.85	29300	5.09	0.100
E885665T		1.875	309	3400	0.666	0.012	0.012	0.003	0.009	>10.0	2.35	1.9	3.70	28000	16.65	0.130
E885666T		4.49	281	2300	0.462	0.010	0.011	0.002	0.007	>10.0	1.410	1.0	4.08	44000	1.33	0.082
E885667T		2.67	317	2700	0.511	0.007	0.008	<0.001	0.006	>10.0	1.485	1.5	3.77	>50000	2.63	0.091
E885668T		4.91	438	2500	0.492	0.007	0.006	0.003	0.013	>10.0	1.695	1.2	2.99	44800	4.07	0.087
E885669T		2.65	257	2500	0.417	0.007	0.007	0.001	0.008	>10.0	1.295	1.0	2.92	>50000	3.23	0.074
E885670T		2.02	208	4300	0.890	0.011	0.012	<0.001	0.016	>10.0	3.66	2.4	3.98	>50000	1.16	0.113
E885670C- T		1.145	80.8	25900	6.34	0.054	0.257	<0.001	0.020	1.28	14.15	12.7	1.950	1150	0.88	0.588
E885671T		2.23	216	2500	0.531	0.013	0.012	0.002	0.010	>10.0	2.15	1.8	3.83	>50000	0.98	0.087
E885672T		10.25	273	2700	0.386	0.005	0.014	<0.001	<0.005	>10.0	1.580	1.4	3.62	39400	1.93	0.076
E885673T		7.25	231	1900	0.337	<0.005	0.020	<0.001	0.014	>10.0	1.210	0.9	3.57	34800	2.80	0.054
E885674T		4.05	250	1700	0.270	0.005	0.018	<0.001	<0.005	>10.0	0.945	0.8	3.84	35500	1.29	0.053
E885675T		6.71	264	2100	0.374	0.006	0.010	0.003	0.007	>10.0	1.270	1.1	3.77	48900	1.79	0.090

Comments: **Corrected certificate for VEG- ASH01 on samples E885651L to E885675T**

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

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Finalized Date: 25- SEP- 2018
Account: OPB

Project: Vegetation Sampling

CERTIFICATE OF ANALYSIS VA18178522

Sample Description	Method	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a
	Analyte	Nb	Ni	P	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.002	0.04	0.001	0.01	0.001	0.002	0.01	0.001	0.01	0.01	0.01	0.005	0.01	0.02	0.001
E885663T		0.174	19.45	4.82	14.60	0.001	<0.002	560	0.001	1.88	1.13	0.78	0.795	0.39	504	<0.001
E885664T		0.146	10.45	4.73	12.55	<0.001	<0.002	240	<0.001	2.04	1.31	0.67	0.987	0.37	465	<0.001
E885665T		0.181	14.50	3.93	33.1	0.001	<0.002	333	<0.001	2.09	1.61	0.84	0.894	0.62	491	<0.001
E885666T		0.126	42.8	4.66	9.68	<0.001	<0.002	700	<0.001	1.55	0.67	0.66	0.833	0.37	299	<0.001
E885667T		0.175	54.4	>5.0	12.90	<0.001	<0.002	880	<0.001	1.91	1.09	0.89	0.740	0.36	591	<0.001
E885668T		0.151	30.6	4.90	13.30	<0.001	<0.002	1140	0.001	1.20	0.92	0.90	0.719	0.46	371	<0.001
E885669T		0.129	25.4	>5.0	11.55	<0.001	<0.002	950	<0.001	1.43	0.83	0.75	0.543	0.36	364	<0.001
E885670T		0.224	63.4	4.67	24.2	<0.001	<0.002	650	<0.001	1.57	1.37	1.33	1.435	0.54	724	<0.001
E885670C- T		0.056	144.0	0.264	8.07	0.001	0.004	19.85	0.001	0.46	0.19	11.00	0.432	0.82	1060	<0.001
E885671T		0.141	49.4	4.51	13.00	<0.001	0.002	870	<0.001	1.20	0.90	0.81	0.995	0.34	722	<0.001
E885672T		0.127	37.3	>5.0	7.04	<0.001	<0.002	1660	<0.001	1.10	0.82	0.68	0.399	0.35	560	<0.001
E885673T		0.113	53.4	>5.0	8.79	<0.001	<0.002	1580	<0.001	0.91	0.45	0.62	0.311	0.29	756	<0.001
E885674T		0.077	33.5	4.75	7.55	<0.001	<0.002	850	<0.001	0.87	0.57	0.53	0.436	0.19	589	<0.001
E885675T		0.107	32.9	>5.0	7.42	<0.001	<0.002	1150	<0.001	1.45	1.50	0.70	0.595	0.28	510	<0.001

Comments: **Corrected certificate for VEG- ASH01 on samples E885651L to E885675T**

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

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Project: Vegetation Sampling

CERTIFICATE OF ANALYSIS VA18178522

Sample Description	Method Analyte Units LOD	ME- VEG41a Te ppm 0.02	ME- VEG41a Th ppm 0.002	ME- VEG41a Ti % 0.001	ME- VEG41a Tl ppm 0.002	ME- VEG41a U ppm 0.005	ME- VEG41a V ppm 0.05	ME- VEG41a W ppm 0.01	ME- VEG41a Y ppm 0.003	ME- VEG41a Zn ppm 0.1	ME- VEG41a Zr ppm 0.02
E885663T		<0.02	0.337	0.006	0.038	0.145	5.57	0.22	1.735	1490	0.36
E885664T		<0.02	0.270	0.005	0.040	0.126	4.56	0.14	1.410	3080	0.52
E885665T		<0.02	0.404	0.006	0.112	0.202	5.92	0.55	1.790	1700	0.48
E885666T		<0.02	0.276	0.005	0.017	0.110	4.74	0.17	1.390	1345	0.31
E885667T		<0.02	0.234	0.006	0.018	0.143	5.78	0.19	1.320	1460	0.37
E885668T		<0.02	0.257	0.005	0.062	0.115	5.67	0.25	1.345	1465	0.32
E885669T		<0.02	0.198	0.005	0.040	0.096	4.33	0.19	0.954	1300	0.38
E885670T		<0.02	0.447	0.010	0.042	0.210	9.75	0.24	2.49	1565	0.40
E885670C- T		<0.02	3.99	0.026	0.133	0.643	63.3	0.11	11.70	202	9.49
E885671T		<0.02	0.298	0.005	0.070	0.123	5.20	0.20	1.515	984	0.42
E885672T		<0.02	0.218	0.005	0.040	0.102	4.31	0.13	0.963	1030	0.35
E885673T		<0.02	0.178	0.004	0.051	0.082	3.76	0.13	0.818	1120	0.69
E885674T		<0.02	0.158	0.003	0.055	0.054	2.83	0.09	0.700	978	0.66
E885675T		<0.02	0.201	0.004	0.061	0.102	4.23	0.13	1.165	1170	0.48

Comments: **Corrected certificate for VEG- ASH01 on samples E885651L to E885675T**

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

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Project: Vegetation Sampling

CERTIFICATE OF ANALYSIS VA18178522

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
BAG- 01	DRY- 22	LOG- 22	LOG- 24
ME- VEG41a	VEG- ASH01		

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Finalized Date: 24- SEP- 2018
Account: OPB

CERTIFICATE VA18200592

Project: Vegetation sampling

This report is for 110 Vegetation samples submitted to our lab in Vancouver, BC, Canada on 23- JUL- 2018.

The following have access to data associated with this certificate:

THOMAS BISSIG	COLIN DUNN	NIC GUEST
STEPHEN MILLER	DAVID MURRAY	MATT ZAGO

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 24	Pulp Login - Rcd w/o Barcode
VEG- ASH01	Controlled Ignition - Veg Samp. @ 475C
DRY- 22	Drying - Maximum Temp 60C
LOG- 22	Sample login - Rcd w/o BarCode
BAG- 01	Bulk Master for Storage

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME- VEG41a	Super Trace - Ashed Vegetation Samples

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Comments: **Corrected certificate for VEG- ASH01 on samples E885718 to E885729**

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Finalized Date: 24- SEP- 2018
Account: OPB

Project: Vegetation sampling

CERTIFICATE OF ANALYSIS VA18200592

Sample Description	Method	VEG- ASH01	VEG- ASH01	WEI- 21	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a
	Analyte	WT. SAMP	WT. ASH	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co
	Units	g	g	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.01	0.02	0.0002	0.001	0.01	0.01	1	0.1	0.01	0.001	0.01	0.001	0.003	0.002
E885676		31.3	0.39		0.0064	0.113	0.28	1.64	500	507	0.07	0.074	19.70	1.155	4.29	5.42
E885677		19.75	0.27		0.0057	0.168	0.24	1.71	544	359	0.07	0.068	19.70	0.703	2.73	4.05
E885678		25.6	0.27		0.0175	0.147	0.39	1.77	708	361	0.09	0.107	22.1	0.780	4.58	8.97
E885679		23.9	0.32		0.0067	0.139	0.29	2.02	642	318	0.08	0.079	22.7	1.100	3.60	9.30
E885680		19.65	0.35		0.0060	0.103	0.16	1.87	508	313	0.05	0.078	21.0	0.778	1.925	1.365
E885681		30.8	0.40		0.0079	0.107	0.28	1.71	664	324	0.08	0.081	21.7	0.700	3.45	19.15
E885682		39.9	0.51		0.0046	0.126	0.20	1.76	536	366	0.04	0.056	20.6	0.632	2.48	7.27
E885683		30.5	0.35		0.0038	0.133	0.23	1.56	637	244	0.07	0.082	19.55	8.12	3.55	11.65
E885684		31.4	0.49		0.0034	0.065	0.10	1.48	558	380	0.02	0.036	21.2	0.404	1.745	0.705
E885685		35.3	0.55		0.0030	0.058	0.19	1.11	690	533	0.08	0.068	21.9	0.624	3.23	1.130
E885686		44.7	0.56		0.0029	0.110	0.31	1.45	654	407	0.08	0.107	19.05	0.589	4.33	1.630
E885687		21.0	0.29		0.0068	0.075	0.17	1.04	565	382	0.07	0.061	20.6	0.666	2.81	1.230
E885688		26.5	0.39		0.0022	0.071	0.12	1.01	552	354	0.03	0.048	19.05	0.494	1.940	0.721
E885689		31.6	0.34		0.0074	0.097	0.17	2.25	719	281	0.07	0.135	20.6	6.77	3.49	2.99
E885689C					0.0052	0.039	2.90	3.74	338	104.0	0.52	0.106	17.45	0.283	28.4	17.50
E885690		54.3	0.59		0.0062	0.116	0.17	1.68	703	264	0.05	0.083	19.55	2.49	3.45	2.31
E885691		32.8	0.33		0.0073	0.133	0.25	1.56	643	288	0.04	0.185	19.05	1.260	3.50	5.37
E885692		28.7	0.40		0.0062	0.143	0.27	2.15	528	409	0.06	0.090	15.65	0.982	3.42	3.01
E885693		37.7	0.56		0.0040	0.178	0.14	1.26	564	233	0.06	0.114	24.8	10.80	2.54	2.05
E885694		32.2	0.31		0.0089	0.108	0.23	1.84	700	302	0.05	0.095	20.9	1.535	3.33	1.895
E885695		58.6	0.50		0.0112	0.142	0.30	2.36	764	392	0.06	0.094	20.4	0.717	3.92	6.70
E885696		29.7	0.39		0.0038	0.146	0.26	1.37	597	295	0.06	0.117	20.5	1.240	3.27	5.36
E885697		34.5	0.39		0.0087	0.074	0.36	1.43	626	323	0.11	0.094	18.40	0.981	3.94	8.41
E885698		20.7	0.32		0.0098	0.201	0.47	1.54	463	335	0.08	0.091	20.0	1.895	3.99	2.37
E885699		26.6	0.38		0.0065	0.116	0.24	1.35	498	390	0.04	0.091	15.90	0.614	2.96	1.895
E885700		35.8	0.47		0.0381	0.123	0.27	1.80	492	511	0.05	0.108	19.65	0.751	3.14	1.610
E885704		25.4	0.27		0.0254	0.150	0.14	3.43	607	272	0.05	0.073	19.20	2.40	2.15	3.26
E885705		27.7	0.46		0.0058	0.139	0.14	1.76	555	311	0.04	0.062	23.0	11.45	2.27	7.32
E885706		20.3	0.28		0.0230	0.143	0.27	2.71	540	359	0.09	0.111	21.8	1.040	3.84	7.79
E885707		26.2	0.32		0.0208	0.128	0.15	3.09	561	337	0.06	0.106	20.8	2.89	2.68	3.71
E885708		38.4	0.46		0.0062	0.122	0.21	1.96	642	370	0.06	0.070	18.80	1.675	3.29	1.735
E885709		32.1	0.36		0.0073	0.065	0.26	2.53	698	317	0.06	0.092	19.20	1.230	3.81	1.995
E885710		31.5	0.33		0.0130	0.086	0.16	2.50	631	299	0.05	0.060	17.60	0.915	2.54	1.825
E885711		27.5	0.25		0.0086	0.099	0.28	2.59	667	259	0.08	0.095	19.55	2.04	4.71	2.91
E885712		28.9	0.56		0.0106	0.517	0.10	2.06	415	593	0.04	0.051	27.4	4.61	2.08	2.15
E885712C					0.0047	0.035	2.95	4.75	367	108.5	0.51	0.106	17.95	0.271	29.0	17.95
E885713		31.0	0.45		0.0044	0.142	0.19	3.91	541	288	0.08	0.182	24.9	8.63	4.33	3.28
E885714		34.7	0.43		0.0163	0.089	0.16	3.11	598	344	0.05	0.084	16.70	1.380	2.83	4.10
E885715		31.5	0.42		0.0188	0.099	0.21	1.81	599	344	0.05	0.077	20.7	1.600	2.61	1.830
E885716		29.1	0.41		0.0102	0.106	0.22	2.99	733	386	0.07	0.098	21.0	1.050	3.90	1.485

Comments: **Corrected certificate for VEG- ASH01 on samples E885718 to E885729**

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

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Finalized Date: 24- SEP- 2018
Account: OPB

Project: Vegetation sampling

CERTIFICATE OF ANALYSIS VA18200592

Sample Description	Method	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a
	Analyte	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.01	0.005	0.01	1	0.004	0.005	0.002	0.001	0.005	0.01	0.002	0.1	0.001	0.1	0.01
E885676		4.47	1.560	296	3600	0.624	0.009	0.009	<0.001	<0.005	>10.0	2.45	1.6	2.40	47500	2.96
E885677		4.56	4.28	275	2500	0.437	0.008	0.014	<0.001	0.005	>10.0	1.420	1.1	3.59	26700	2.33
E885678		6.46	10.90	376	3700	0.608	0.009	0.012	0.003	<0.005	>10.0	2.40	2.2	5.13	29000	1.55
E885679		9.27	7.09	327	2900	0.488	0.009	0.017	<0.001	<0.005	>10.0	1.900	2.0	3.43	33500	1.43
E885680		3.99	9.70	284	1800	0.317	<0.005	0.025	<0.001	0.011	>10.0	1.010	0.9	3.38	19550	0.53
E885681		6.00	9.51	334	2900	0.504	0.008	0.008	0.002	<0.005	>10.0	1.800	1.7	4.40	21600	2.13
E885682		3.38	6.82	397	2400	0.355	0.006	0.015	<0.001	<0.005	>10.0	1.350	1.0	4.17	26800	2.05
E885683		5.47	8.69	336	2700	0.512	0.012	0.012	<0.001	0.009	>10.0	1.700	1.7	3.87	31600	1.97
E885684		2.58	1.380	192.0	1500	0.247	<0.005	0.016	<0.001	0.006	>10.0	0.907	1.1	3.67	21600	5.72
E885685		3.85	1.375	275	2500	0.464	<0.005	0.016	0.002	0.005	>10.0	1.690	1.3	3.25	30100	6.85
E885686		4.12	4.85	385	3100	0.644	<0.005	0.009	<0.001	0.007	>10.0	2.23	1.5	3.87	>50000	1.19
E885687		2.94	3.22	269	2300	0.406	0.005	0.012	0.001	<0.005	>10.0	1.450	1.5	3.57	30800	7.66
E885688		2.74	2.25	267	1700	0.297	<0.005	0.016	<0.001	<0.005	>10.0	1.015	0.8	3.02	>50000	2.15
E885689		147.0	2.30	326	2400	0.436	0.005	0.021	<0.001	<0.005	>10.0	1.745	2.1	3.59	30200	6.78
E885689C		148.5	1.075	78.7	24000	6.21	0.050	0.271	0.001	0.028	1.23	14.35	12.2	1.870	1090	0.85
E885690		3.69	1.435	288	2600	0.404	0.007	0.023	0.001	<0.005	>10.0	1.665	1.8	3.38	>50000	3.32
E885691		134.5	6.39	319	2700	0.408	<0.005	0.014	0.001	<0.005	>10.0	1.770	1.5	4.35	23900	4.36
E885692		4.97	1.755	283	2500	0.472	0.009	0.008	<0.001	<0.005	>10.0	1.835	1.8	3.71	>50000	6.15
E885693		3.79	3.99	276	2200	0.343	0.006	0.030	0.001	0.010	8.09	1.240	3.0	3.33	13000	27.6
E885694		4.26	2.61	264	2800	0.481	0.009	0.021	0.002	0.007	>10.0	1.610	1.2	4.36	37600	8.24
E885695		3.84	11.50	286	3700	0.544	<0.005	0.008	<0.001	0.011	>10.0	1.985	3.1	4.60	38800	4.73
E885696		4.51	11.40	337	2800	0.444	0.010	0.016	<0.001	0.007	>10.0	1.630	1.9	4.22	39000	1.98
E885697		3.62	9.69	348	3400	0.584	0.008	0.014	0.001	0.006	>10.0	2.01	1.8	4.67	36600	2.01
E885698		3.50	4.49	277	3000	0.508	0.013	0.007	0.001	0.006	>10.0	2.29	1.5	2.68	>50000	1.97
E885699		2.99	7.25	253	2200	0.419	0.006	0.010	0.001	0.005	>10.0	1.680	1.4	3.57	45500	2.14
E885700		169.0	11.05	239	2400	0.429	0.008	0.018	0.003	<0.005	>10.0	1.675	1.8	3.77	39200	1.42
E885704		5.69	2.61	291	2700	0.370	0.008	0.014	0.001	<0.005	>10.0	1.125	1.6	2.84	21200	9.99
E885705		4.29	4.24	293	2300	0.322	0.006	0.033	0.003	<0.005	>10.0	1.195	0.9	3.05	20100	1.36
E885706		6.95	20.9	351	3000	0.530	0.012	0.016	0.004	0.005	>10.0	2.03	1.7	4.14	43200	1.88
E885707		5.92	3.44	315	2500	0.376	0.006	0.021	<0.001	0.011	>10.0	1.420	1.2	2.80	21400	1.74
E885708		4.15	4.74	354	2600	0.515	0.009	0.021	<0.001	<0.005	>10.0	1.740	1.3	3.43	44700	1.21
E885709		4.44	7.30	291	3200	0.552	0.012	0.035	0.002	0.008	>10.0	1.910	1.5	3.30	42200	1.08
E885710		4.06	14.70	358	2300	0.348	0.005	0.030	<0.001	0.012	>10.0	1.250	1.9	3.03	30100	4.80
E885711		4.17	16.95	365	3600	0.648	0.009	0.026	0.002	0.007	>10.0	2.34	2.2	3.47	32700	3.08
E885712		2.26	3.38	221	1500	0.258	0.007	0.040	0.002	<0.005	8.28	1.225	1.0	1.920	10050	3.76
E885712C		154.0	1.145	79.5	24700	6.75	0.053	0.319	0.001	0.026	1.27	14.55	10.8	1.940	1150	0.93
E885713		3.31	6.86	249	2800	0.503	0.008	0.053	0.002	0.009	7.59	2.28	1.4	2.25	18550	3.91
E885714		3.77	9.11	303	2500	0.401	<0.005	0.018	0.003	<0.005	>10.0	1.455	1.7	3.74	36200	18.80
E885715		5.15	2.55	292	2200	0.447	0.006	0.032	0.002	0.007	>10.0	1.360	1.8	3.70	24100	3.51
E885716		3.33	2.27	294	2900	0.565	0.006	0.038	0.001	0.009	>10.0	1.990	1.6	3.47	34500	4.57

Comments: **Corrected certificate for VEG- ASH01 on samples E885718 to E885729**

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

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Finalized Date: 24- SEP- 2018
Account: OPB

Project: Vegetation sampling

CERTIFICATE OF ANALYSIS VA18200592

Sample Description	Method	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a
	Analyte	Na	Nb	Ni	P	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se	Sn	Sr
	Units	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	0.001	0.002	0.04	0.001	0.01	0.001	0.002	0.01	0.001	0.01	0.01	0.01	0.005	0.01	0.02
E885676		0.064	0.165	84.6	4.17	9.51	<0.001	<0.002	770	<0.001	1.13	0.61	0.87	1.010	0.35	627
E885677		0.060	0.138	57.4	>5.0	8.20	<0.001	<0.002	790	<0.001	1.40	1.05	0.69	0.523	0.35	409
E885678		0.078	0.166	57.5	4.27	13.95	<0.001	<0.002	510	<0.001	1.36	1.56	0.94	0.632	0.48	476
E885679		0.093	0.152	133.5	4.71	9.99	<0.001	<0.002	404	<0.001	1.58	1.63	0.76	1.275	0.41	365
E885680		0.071	0.107	17.10	4.52	7.11	<0.001	<0.002	550	<0.001	1.68	0.97	0.59	0.544	0.26	267
E885681		0.072	0.149	73.4	4.95	10.10	<0.001	<0.002	550	<0.001	1.51	1.52	0.86	0.503	0.46	655
E885682		0.057	0.109	24.9	4.48	6.30	<0.001	<0.002	690	<0.001	1.20	1.23	0.69	0.353	0.35	221
E885683		0.081	0.133	35.1	4.71	10.75	<0.001	<0.002	439	<0.001	2.27	1.12	0.90	0.786	0.41	331
E885684		0.055	0.083	3.15	3.37	4.63	<0.001	<0.002	298	<0.001	1.08	0.70	0.58	0.369	0.19	762
E885685		0.046	0.152	4.44	3.80	9.04	<0.001	<0.002	279	<0.001	1.00	0.65	0.85	0.279	0.34	767
E885686		0.066	0.156	19.65	4.51	11.05	<0.001	<0.002	421	<0.001	1.15	0.89	0.95	0.307	0.43	298
E885687		0.053	0.112	7.45	3.85	10.65	<0.001	<0.002	280	<0.001	1.11	0.62	0.71	0.338	0.34	567
E885688		0.059	0.082	5.16	4.32	5.59	<0.001	<0.002	276	<0.001	1.26	0.56	0.59	0.405	0.19	279
E885689		0.088	0.156	10.65	4.53	10.55	<0.001	<0.002	323	<0.001	1.73	1.13	0.80	0.482	0.41	484
E885689C		0.565	0.058	134.5	0.258	7.77	<0.001	0.003	19.55	<0.001	0.45	0.19	10.70	0.398	0.80	1040
E885690		0.069	0.122	8.45	4.19	11.70	0.001	0.002	244	<0.001	1.92	1.23	0.68	0.291	0.48	312
E885691		0.073	0.137	44.2	5.00	13.25	<0.001	<0.002	840	<0.001	1.78	1.25	0.71	0.377	0.54	446
E885692		0.069	0.134	48.7	>5.0	12.15	<0.001	<0.002	700	<0.001	1.37	1.08	0.76	0.665	0.45	300
E885693		0.122	0.108	8.39	3.90	10.15	<0.001	<0.002	403	<0.001	1.80	1.69	0.61	0.494	0.32	466
E885694		0.097	0.165	13.35	4.63	11.80	<0.001	<0.002	421	<0.001	1.71	2.32	0.67	0.444	0.44	297
E885695		0.119	0.150	24.3	4.91	13.55	<0.001	0.002	680	<0.001	1.31	1.49	0.81	0.372	0.82	483
E885696		0.062	0.125	44.4	>5.0	9.20	<0.001	0.002	940	0.002	1.79	1.10	0.73	0.684	0.39	372
E885697		0.073	0.178	66.3	4.92	13.85	<0.001	<0.002	1120	<0.001	1.74	1.33	0.80	0.605	0.46	651
E885698		0.084	0.156	39.2	4.53	10.05	<0.001	<0.002	660	<0.001	1.23	1.96	0.72	0.846	0.41	502
E885699		0.052	0.131	31.9	>5.0	6.99	<0.001	<0.002	1470	<0.001	1.21	0.85	0.63	0.516	0.33	571
E885700		0.050	0.120	24.1	4.39	10.15	<0.001	<0.002	1210	<0.001	0.99	0.87	0.62	0.388	0.35	540
E885704		0.129	0.127	10.95	>5.0	7.17	0.001	0.002	421	<0.001	1.97	1.56	0.58	0.447	0.80	394
E885705		0.058	0.107	23.5	3.65	7.39	<0.001	0.003	437	<0.001	1.72	0.80	0.55	0.510	0.36	386
E885706		0.074	0.148	87.5	3.97	12.90	0.001	0.002	500	<0.001	1.36	0.98	0.75	0.833	0.49	508
E885707		0.105	0.120	14.40	>5.0	9.51	<0.001	<0.002	377	<0.001	1.71	1.78	0.58	0.400	0.64	251
E885708		0.083	0.156	10.70	4.02	10.00	0.002	0.003	530	<0.001	1.52	1.05	0.71	0.426	0.42	191.5
E885709		0.098	0.157	13.60	4.47	11.90	0.001	<0.002	460	<0.001	1.87	1.60	0.74	0.615	0.41	284
E885710		0.116	0.105	10.00	4.87	8.86	0.001	0.003	600	<0.001	1.95	1.49	0.62	0.447	0.36	330
E885711		0.118	0.183	14.45	4.82	14.10	<0.001	<0.002	470	<0.001	2.08	1.50	0.82	0.709	0.52	417
E885712		0.075	0.086	6.12	2.71	7.25	<0.001	0.004	385	<0.001	1.36	1.01	0.52	0.418	0.33	340
E885712C		0.582	0.062	139.5	0.255	8.37	0.002	0.003	19.80	<0.001	0.48	0.23	11.20	0.495	0.79	1120
E885713		0.115	0.158	11.95	4.12	14.05	<0.001	0.002	355	<0.001	1.66	2.49	0.65	0.656	0.49	373
E885714		0.115	0.117	17.15	4.86	9.62	<0.001	<0.002	900	<0.001	1.53	2.06	0.60	0.454	0.42	381
E885715		0.047	0.113	4.92	3.61	9.23	<0.001	<0.002	377	<0.001	1.52	0.92	0.58	0.286	0.37	526
E885716		0.081	0.172	9.10	4.57	13.80	<0.001	0.002	385	<0.001	1.53	1.33	0.72	0.572	0.43	395

Comments: **Corrected certificate for VEG- ASH01 on samples E885718 to E885729**

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

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Project: Vegetation sampling

CERTIFICATE OF ANALYSIS VA18200592

Sample Description	Method	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a
	Analyte	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.001	0.02	0.002	0.001	0.002	0.005	0.05	0.01	0.003	0.1	0.02
E885676		<0.001	<0.02	0.370	0.006	0.038	0.148	6.66	0.36	1.635	1220	0.43
E885677		<0.001	<0.02	0.251	0.005	0.012	0.108	4.77	0.41	1.100	882	0.50
E885678		<0.001	<0.02	0.394	0.007	0.039	0.171	7.12	0.39	1.935	1235	0.48
E885679		<0.001	<0.02	0.273	0.005	0.043	0.119	6.01	0.36	1.520	1470	0.62
E885680		<0.001	<0.02	0.189	0.004	0.007	0.073	3.72	0.22	0.726	1465	0.90
E885681		<0.001	<0.02	0.311	0.006	0.027	0.122	6.05	0.42	1.465	1005	0.43
E885682		<0.001	<0.02	0.192	0.005	0.016	0.085	4.51	0.45	0.968	1025	0.60
E885683		<0.001	<0.02	0.277	0.006	0.031	0.135	5.81	0.37	1.655	1315	0.58
E885684		<0.001	<0.02	0.181	0.003	0.007	0.061	2.63	0.14	0.708	2070	0.83
E885685		<0.001	<0.02	0.312	0.005	0.030	0.119	5.32	0.22	1.240	2080	0.56
E885686		<0.001	<0.02	0.344	0.007	0.125	0.145	6.64	0.24	1.520	1630	0.23
E885687		<0.001	<0.02	0.290	0.004	0.026	0.108	4.48	0.18	1.085	1425	0.52
E885688		<0.001	<0.02	0.178	0.004	0.011	0.074	3.18	0.13	0.799	1235	0.62
E885689		<0.001	0.06	0.288	0.005	0.052	0.122	5.21	0.30	1.475	830	0.64
E885689C		<0.001	<0.02	3.82	0.024	0.134	0.623	57.4	0.12	11.20	195.0	8.86
E885690		<0.001	<0.02	0.236	0.004	0.300	0.109	4.45	0.34	1.470	1365	0.81
E885691		<0.001	<0.02	0.294	0.005	0.146	0.123	4.85	0.32	1.280	1220	0.60
E885692		<0.001	<0.02	0.283	0.005	0.123	0.118	5.01	0.30	1.180	1045	0.32
E885693		<0.001	<0.02	0.215	0.004	0.189	0.102	4.48	0.22	1.070	1675	1.27
E885694		<0.001	<0.02	0.252	0.005	0.181	0.111	5.22	0.43	1.430	1690	0.44
E885695		<0.001	<0.02	0.304	0.006	0.165	0.145	5.74	0.31	1.395	1005	0.29
E885696		<0.001	<0.02	0.272	0.005	0.076	0.113	5.01	0.21	1.345	1265	0.61
E885697		<0.001	0.07	0.305	0.006	0.230	0.149	6.42	0.24	1.490	721	0.53
E885698		<0.001	<0.02	0.286	0.005	0.528	0.125	5.26	0.23	1.300	1325	0.30
E885699		<0.001	<0.02	0.258	0.005	0.190	0.098	4.14	0.21	0.987	1185	0.26
E885700		<0.001	<0.02	0.269	0.005	0.567	0.115	4.56	0.16	1.140	1075	0.54
E885704		<0.001	<0.02	0.239	0.005	0.057	0.098	4.36	0.88	0.941	1690	0.38
E885705		<0.001	<0.02	0.202	0.004	0.063	0.098	3.75	0.47	0.975	2550	1.28
E885706		<0.001	0.08	0.288	0.005	0.370	0.128	5.82	0.52	1.575	1280	0.71
E885707		<0.001	<0.02	0.287	0.004	0.258	0.099	4.30	0.39	1.175	1805	0.60
E885708		<0.001	<0.02	0.323	0.005	0.209	0.122	5.24	0.36	1.335	1245	0.90
E885709		<0.001	0.09	0.299	0.005	0.720	0.147	5.78	0.29	1.525	1705	1.17
E885710		<0.001	<0.02	0.226	0.004	0.674	0.097	3.64	0.27	1.140	1335	0.80
E885711		<0.001	<0.02	0.399	0.006	0.837	0.175	6.62	0.39	1.995	1205	1.09
E885712		<0.001	<0.02	0.197	0.003	0.101	0.085	3.32	0.25	0.877	1725	1.61
E885712C		<0.001	<0.02	3.93	0.024	0.134	0.626	57.6	0.10	11.35	208	10.15
E885713		<0.001	<0.02	0.334	0.005	0.385	0.160	5.52	0.27	1.695	1790	2.15
E885714		<0.001	0.09	0.270	0.004	0.282	0.116	4.71	0.34	1.210	1130	0.64
E885715		<0.001	<0.02	0.261	0.004	0.113	0.101	4.30	0.46	1.105	1140	1.21
E885716		<0.001	<0.02	0.360	0.006	0.198	0.123	5.52	0.22	1.560	1555	1.57

Comments: **Corrected certificate for VEG- ASH01 on samples E885718 to E885729**

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

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Project: Vegetation sampling

CERTIFICATE OF ANALYSIS VA18200592

Sample Description	Method Analyte Units LOD	VEG- ASH01 WT. SAMP g 0.01	VEG- ASH01 WT. ASH g 0.01	WEI- 21 Recvd Wt. kg 0.02	ME- VEG41a Au ppm 0.0002	ME- VEG41a Ag ppm 0.001	ME- VEG41a Al % 0.01	ME- VEG41a As ppm 0.01	ME- VEG41a B ppm 1	ME- VEG41a Ba ppm 0.1	ME- VEG41a Be ppm 0.01	ME- VEG41a Bi ppm 0.001	ME- VEG41a Ca % 0.01	ME- VEG41a Cd ppm 0.001	ME- VEG41a Ce ppm 0.003	ME- VEG41a Co ppm 0.002
E885717		31.0	0.34		0.0052	0.089	0.20	1.77	639	229	0.07	0.062	15.10	1.615	3.02	6.68
E885718		19.80	0.18		0.0072	0.174	0.26	2.36	573	263	0.07	0.078	14.65	1.620	3.42	6.75
E885719		23.6	0.26		0.0048	0.200	0.39	1.68	613	282	0.07	0.091	17.55	1.145	4.43	1.305
E885720		24.1	0.17		0.0041	0.138	0.26	1.84	612	344	0.05	0.072	18.30	0.904	3.59	1.195
E885721		23.4	0.19		0.0075	0.130	0.31	1.80	646	287	0.07	0.092	20.3	0.752	4.70	1.885
E885722		31.9	0.31		0.0072	0.081	0.33	2.12	638	359	0.06	0.088	19.00	0.642	3.97	1.155
E885723		24.7	0.23		0.0517	0.286	0.51	2.29	613	422	0.08	0.132	17.80	1.200	4.88	1.360
E885724		32.0	0.38		0.0075	0.151	0.31	2.01	592	432	0.09	0.085	20.7	0.834	4.38	1.965
E885725		29.5	0.37		0.0033	0.231	0.22	1.56	563	380	0.09	0.083	19.95	1.145	4.08	1.205
E885726		31.6	0.38		0.0078	0.146	0.20	1.70	622	330	0.07	0.067	17.75	1.090	2.76	3.12
E885727		30.2	0.28		0.0050	0.158	0.30	2.11	611	456	0.09	0.101	18.00	0.794	4.94	1.165
E885728		20.9	0.26		0.0066	0.119	0.18	0.90	452	424	0.03	0.049	16.50	0.594	1.860	1.075
E885729		25.7	0.34		0.0041	0.136	0.21	2.91	516	292	0.06	0.069	16.10	1.280	2.71	4.87
E885730		28.2	0.36		0.0071	0.263	0.29	1.80	600	276	0.10	0.078	18.65	1.525	3.70	4.23
E885731		32.9	0.41		0.0037	0.133	0.29	1.90	675	352	0.06	0.085	21.6	1.115	3.93	1.255
E885731C					0.0047	0.037	2.86	3.63	350	105.0	0.57	0.095	17.10	0.252	28.6	16.60
E885732		32.8	0.40		0.0040	0.106	0.20	1.47	707	449	0.06	0.073	19.35	0.656	3.47	1.180
E885733		34.0	0.56		0.0027	0.118	0.14	1.63	587	345	0.04	0.050	16.95	0.616	1.975	0.794
E885734		34.8	0.43		0.0046	0.148	0.26	1.67	624	359	0.08	0.087	18.00	0.687	4.06	1.460
E885735		24.9	0.39		0.0034	0.065	0.22	1.29	547	500	0.06	0.062	18.80	0.446	2.99	0.913
E885736		33.3	0.40		0.0040	0.092	0.26	1.85	562	488	0.08	0.082	19.00	0.530	3.72	1.065
E885737		31.5	0.52		0.0140	0.096	0.26	1.48	607	467	0.06	0.098	19.60	0.531	3.63	1.235
E885738		37.6	0.55		0.0025	0.077	0.29	1.60	619	365	0.05	0.081	20.4	0.526	3.43	1.880
E885739		23.7	0.38		0.0076	0.106	0.23	1.51	518	403	0.08	0.090	20.5	0.466	3.30	1.640
E885740		34.6	0.33		0.0043	0.150	0.36	2.25	735	257	0.11	0.112	20.2	1.170	4.85	24.9
E885741		38.3	0.35		0.0085	0.144	0.30	2.35	769	273	0.11	0.119	19.80	2.08	5.45	4.17
E885742		27.7	0.36		0.0039	0.107	0.16	1.92	577	433	0.05	0.080	18.95	0.503	2.71	1.105
E885743		43.0	0.54		0.0022	0.081	0.15	1.62	578	322	0.05	0.072	22.5	2.02	2.93	1.750
E885744		30.6	0.36		0.0035	0.110	0.20	3.89	678	295	0.08	0.252	20.2	1.020	4.06	3.23
E885745		34.8	0.44		0.0023	0.101	0.20	1.37	632	350	0.07	0.084	22.4	0.841	3.40	1.510
E885746				Listed, NR												
E885747				Listed, NR												
E885748		54.9	0.85		0.0083	0.266	0.20	1.16	528	512	0.04	0.061	18.75	0.575	3.34	2.14
E885749		43.9	0.50		0.0189	0.188	0.24	2.09	604	304	0.07	0.077	21.0	0.652	3.98	4.47
E885750		35.3	0.47		0.0075	0.291	0.20	3.33	579	339	0.08	0.087	24.9	2.99	4.01	5.34
E885750C					0.0049	0.042	2.96	4.70	351	103.0	0.52	0.111	17.45	0.241	29.0	17.75
E885801		38.9	0.52		0.0087	0.137	0.23	1.76	507	580	0.03	0.066	18.00	0.672	2.55	1.660
E885802		44.3	0.42		0.0038	0.108	0.31	1.71	636	502	0.04	0.096	17.20	0.876	2.86	2.90
E885803		47.0	0.51		0.0080	0.104	0.27	1.68	530	323	0.07	0.077	17.55	1.015	5.82	5.21
E885804		44.7	0.45		0.0044	0.188	0.34	1.83	690	344	0.09	0.086	20.8	0.859	4.05	6.41

Comments: **Corrected certificate for VEG- ASH01 on samples E885718 to E885729**

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

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Finalized Date: 24- SEP- 2018
Account: OPB

Project: Vegetation sampling

CERTIFICATE OF ANALYSIS VA18200592

Sample Description	Method	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a
	Analyte	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.01	0.005	0.01	1	0.004	0.005	0.002	0.001	0.005	0.01	0.002	0.1	0.001	0.1	0.01
E885717		3.01	1.880	304	2900	0.438	0.008	0.033	0.001	0.005	>10.0	1.315	1.5	3.46	27100	11.65
E885718		3.59	11.60	332	2800	0.554	0.010	0.021	0.001	0.022	>10.0	1.680	2.5	4.00	48600	2.78
E885719		3.40	5.17	317	3000	0.666	0.015	0.012	0.001	<0.005	>10.0	2.25	1.8	4.31	>50000	0.74
E885720		2.84	9.89	264	2400	0.524	0.011	0.029	0.002	0.006	>10.0	1.870	2.1	3.78	>50000	0.73
E885721		3.29	9.72	237	3300	0.658	0.012	0.022	0.003	0.010	>10.0	2.35	1.6	4.03	>50000	0.64
E885722		2.97	7.32	206	2800	0.540	0.009	0.017	0.001	0.016	>10.0	2.08	1.4	4.47	>50000	0.72
E885723		4.86	5.07	318	3500	0.741	0.010	0.018	0.001	0.011	>10.0	2.56	3.7	3.87	>50000	1.18
E885724		3.23	5.52	361	3100	0.579	0.009	0.021	0.002	0.014	>10.0	2.33	1.8	3.64	41800	1.02
E885725		2.88	1.935	235	2700	0.520	0.008	0.031	0.002	0.027	>10.0	2.11	1.8	3.52	>50000	3.94
E885726		2.79	4.26	309	2300	0.425	0.005	0.014	0.002	0.017	>10.0	1.420	1.3	3.67	46100	1.29
E885727		3.57	2.77	297	3300	0.686	0.012	0.012	0.001	0.010	>10.0	2.52	2.0	3.90	>50000	1.12
E885728		1.97	5.06	234	1600	0.321	0.008	0.029	0.003	0.009	>10.0	1.000	1.0	3.25	>50000	3.10
E885729		2.49	4.33	274	2300	0.353	0.011	0.011	0.001	<0.005	>10.0	1.380	1.5	3.92	26100	5.49
E885730		3.29	5.32	318	3300	0.557	0.011	0.019	0.001	<0.005	>10.0	1.840	1.7	3.14	31200	11.20
E885731		3.50	1.515	276	3100	0.616	0.008	0.016	0.003	0.007	>10.0	2.07	1.5	3.69	25700	1.30
E885731C		150.5	1.145	73.6	23500	6.34	0.053	0.300	0.001	0.033	1.21	14.05	12.1	1.880	1100	0.88
E885732		2.85	1.475	224	2700	0.506	0.011	0.016	0.002	<0.005	>10.0	1.870	1.3	3.82	42300	2.02
E885733		1.90	4.26	261	1900	0.324	<0.005	0.022	<0.001	0.007	>10.0	1.050	0.9	3.88	>50000	4.70
E885734		3.33	5.56	251	3000	0.611	0.008	0.015	0.002	0.007	>10.0	2.10	1.8	4.13	>50000	3.83
E885735		2.57	6.88	246	2300	0.460	0.006	0.028	0.001	0.013	>10.0	1.650	1.4	3.40	>50000	0.64
E885736		2.61	6.86	233	2500	0.491	0.009	0.015	0.001	0.015	>10.0	2.03	1.9	3.40	>50000	0.65
E885737		3.36	7.18	206	2700	0.575	0.009	0.015	<0.001	0.017	>10.0	1.835	1.2	4.03	46500	0.85
E885738		4.17	7.80	263	2900	0.549	0.007	0.018	0.001	0.013	>10.0	1.710	1.2	4.20	47100	0.72
E885739		3.04	10.50	328	2400	0.491	0.011	0.014	0.002	0.007	>10.0	1.730	1.3	3.93	43400	1.42
E885740		4.62	2.66	439	4300	0.724	0.010	0.013	0.005	<0.005	>10.0	2.24	1.9	3.52	31300	5.44
E885741		5.07	3.81	358	3800	0.779	0.014	0.007	<0.001	0.005	>10.0	2.50	2.4	3.56	25200	40.5
E885742		3.30	1.215	254	2200	0.365	<0.005	0.007	<0.001	<0.005	>10.0	1.340	1.0	3.48	16450	13.05
E885743		3.30	3.14	269	2100	0.364	0.006	0.022	<0.001	0.013	>10.0	1.450	2.5	3.60	28900	10.35
E885744		4.07	3.05	250	3000	0.533	0.014	0.015	0.001	<0.005	>10.0	1.930	2.5	3.90	23700	18.00
E885745		3.44	3.10	274	2500	0.472	<0.005	0.005	0.002	0.011	>10.0	1.625	1.3	3.45	37300	2.35
E885746																
E885747																
E885748		3.82	1.425	259	3100	0.460	0.008	0.008	0.003	0.005	>10.0	1.855	1.5	3.81	35800	4.00
E885749		3.64	0.610	385	3600	0.421	0.008	0.015	0.002	0.015	>10.0	2.19	1.5	3.73	31200	6.28
E885750		4.70	3.07	209	2600	0.515	0.007	0.008	0.001	<0.005	>10.0	2.11	3.7	3.35	9600	13.70
E885750C		169.5	1.220	76.0	26000	6.69	0.063	0.281	0.002	0.040	1.23	14.00	11.5	1.940	1070	0.92
E885801		2.40	5.69	255	1900	0.348	0.006	0.021	0.001	0.006	>10.0	1.405	1.4	3.87	>50000	0.87
E885802		2.53	5.86	256	2800	0.422	0.008	0.008	<0.001	0.012	>10.0	1.445	0.9	4.61	>50000	2.56
E885803		2.46	5.56	252	2100	0.417	0.005	0.006	<0.001	0.005	>10.0	4.05	1.1	4.14	39800	1.20
E885804		3.17	4.28	316	2900	0.525	0.008	0.015	0.002	0.008	>10.0	2.12	1.4	4.70	40100	5.13

Comments: **Corrected certificate for VEG- ASH01 on samples E885718 to E885729**

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

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Finalized Date: 24- SEP- 2018
Account: OPB

Project: Vegetation sampling

CERTIFICATE OF ANALYSIS VA18200592

Sample Description	Method	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a
	Analyte	Na	Nb	Ni	P	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se	Sn	Sr
	Units	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	0.001	0.002	0.04	0.001	0.01	0.001	0.002	0.01	0.001	0.01	0.01	0.01	0.005	0.01	0.02
E885717		0.056	0.151	40.1	>5.0	9.98	0.002	<0.002	860	<0.001	2.57	0.89	0.61	0.521	0.35	453
E885718		0.080	0.167	35.6	>5.0	12.15	<0.001	0.003	1250	<0.001	2.73	1.24	0.79	1.270	0.42	426
E885719		0.066	0.131	16.20	4.10	16.20	0.001	0.002	480	<0.001	1.85	0.91	0.86	1.010	0.34	255
E885720		0.070	0.113	12.75	3.48	13.00	<0.001	0.002	431	<0.001	1.60	0.96	0.71	1.000	0.32	293
E885721		0.072	0.145	11.50	3.34	18.35	<0.001	0.002	393	<0.001	1.81	0.77	0.84	1.145	0.41	282
E885722		0.073	0.119	16.25	3.54	11.15	0.001	<0.002	500	<0.001	1.48	0.72	0.73	0.777	0.34	363
E885723		0.074	0.160	20.9	3.98	17.30	<0.001	0.002	322	0.001	1.42	1.56	0.97	1.025	0.46	243
E885724		0.064	0.139	17.90	3.81	15.10	<0.001	0.002	411	0.001	1.35	1.01	0.80	0.762	0.36	294
E885725		0.080	0.142	8.95	3.48	14.35	<0.001	<0.002	315	<0.001	1.57	0.95	0.76	0.904	0.32	604
E885726		0.064	0.116	22.1	4.95	9.97	<0.001	<0.002	470	<0.001	1.59	0.61	0.60	0.768	0.29	329
E885727		0.067	0.161	14.15	3.58	16.35	0.001	0.002	300	<0.001	1.19	0.85	0.87	0.967	0.52	320
E885728		0.050	0.085	15.45	4.07	7.19	<0.001	<0.002	700	<0.001	1.35	0.47	0.46	0.771	0.27	364
E885729		0.129	0.110	58.8	>5.0	12.55	<0.001	0.002	690	<0.001	1.92	1.61	0.59	1.050	0.30	455
E885730		0.076	0.149	25.1	4.43	10.30	0.001	<0.002	850	<0.001	1.97	0.75	0.85	0.952	0.39	441
E885731		0.075	0.164	8.05	3.77	13.10	<0.001	<0.002	220	<0.001	1.41	0.97	0.87	0.574	0.43	327
E885731C		0.559	0.055	132.0	0.246	8.02	<0.001	0.003	17.55	0.001	0.47	0.21	9.56	0.471	0.78	1070
E885732		0.071	0.134	5.89	3.74	12.80	<0.001	<0.002	206	<0.001	1.13	1.02	0.72	0.523	0.38	575
E885733		0.081	0.113	4.81	4.42	10.10	<0.001	<0.002	450	<0.001	1.48	1.02	0.55	0.583	0.25	258
E885734		0.067	0.146	9.88	3.95	14.25	<0.001	0.002	440	<0.001	1.50	0.71	0.80	0.654	0.36	266
E885735		0.055	0.111	7.99	3.49	11.00	<0.001	<0.002	540	<0.001	1.18	0.68	0.64	0.450	0.28	245
E885736		0.066	0.119	7.72	3.43	12.05	<0.001	<0.002	460	<0.001	1.07	1.09	0.70	0.396	0.30	284
E885737		0.058	0.154	12.80	3.84	13.30	0.002	<0.002	480	0.002	1.16	0.82	0.88	0.404	0.37	265
E885738		0.068	0.130	15.00	4.11	11.95	<0.001	<0.002	690	<0.001	1.42	0.75	0.81	0.555	0.32	290
E885739		0.065	0.147	41.0	4.22	9.06	0.001	<0.002	740	0.001	1.32	1.09	0.76	0.850	0.34	420
E885740		0.077	0.191	116.0	>5.0	13.00	0.001	<0.002	810	0.001	2.23	0.96	1.03	0.718	0.50	617
E885741		0.070	0.213	12.40	>5.0	16.50	0.001	<0.002	520	<0.001	1.76	0.84	1.06	0.702	0.59	446
E885742		0.061	0.150	7.80	>5.0	12.50	0.002	<0.002	395	<0.001	1.18	0.64	0.65	0.705	0.31	224
E885743		0.066	0.120	7.11	3.93	9.92	0.002	<0.002	376	<0.001	1.52	0.56	0.65	0.455	0.28	534
E885744		0.074	0.156	5.32	4.28	10.85	0.003	<0.002	430	0.001	1.78	1.39	0.94	0.595	0.43	457
E885745		0.063	0.133	14.20	4.71	9.55	<0.001	0.002	403	<0.001	1.34	0.56	0.74	0.456	0.33	582
E885746																
E885747																
E885748		0.059	0.135	39.1	4.66	7.42	<0.001	0.002	550	<0.001	1.07	0.59	0.83	0.386	0.34	601
E885749		0.077	0.125	182.5	>5.0	8.34	0.004	0.003	376	<0.001	1.67	1.00	0.73	0.537	0.32	597
E885750		0.105	0.144	8.02	4.56	11.95	0.001	<0.002	490	<0.001	1.45	1.15	0.90	0.433	0.48	424
E885750C		0.571	0.060	138.5	0.243	8.21	0.002	0.004	19.55	0.001	0.44	0.23	10.90	0.462	0.80	1010
E885801		0.051	0.097	18.65	4.78	11.80	0.001	<0.002	1470	<0.001	0.95	0.54	0.51	0.360	0.43	681
E885802		0.077	0.136	40.5	>5.0	14.55	0.002	<0.002	1040	0.001	1.05	1.03	0.63	0.317	0.38	927
E885803		0.064	0.129	34.5	>5.0	8.87	<0.001	<0.002	1060	<0.001	1.48	0.75	0.65	0.417	0.30	1015
E885804		0.068	0.147	73.8	4.10	14.55	0.002	<0.002	790	0.005	1.44	1.04	0.77	0.480	0.36	1015

Comments: **Corrected certificate for VEG- ASH01 on samples E885718 to E885729**

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

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Project: Vegetation sampling

CERTIFICATE OF ANALYSIS VA18200592

Sample Description	Method	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a
	Analyte	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.001	0.02	0.002	0.001	0.002	0.005	0.05	0.01	0.003	0.1	0.02
E885717		<0.001	<0.02	0.199	0.004	0.945	0.121	4.81	0.37	1.320	1410	1.44
E885718		<0.001	<0.02	0.253	0.006	0.014	0.144	5.89	0.27	1.335	1340	0.77
E885719		<0.001	<0.02	0.355	0.006	0.016	0.128	6.13	0.20	1.645	1205	0.61
E885720		<0.001	<0.02	0.298	0.005	0.009	0.110	4.58	0.23	1.380	1350	1.14
E885721		<0.001	<0.02	0.376	0.006	0.018	0.137	6.22	0.29	1.795	1245	0.60
E885722		<0.001	0.10	0.322	0.005	0.032	0.123	5.02	0.22	1.565	1495	0.70
E885723		<0.001	0.11	0.400	0.007	0.026	0.154	6.71	0.28	2.73	1250	0.58
E885724		<0.001	<0.02	0.330	0.006	0.032	0.125	5.62	0.20	1.690	1295	0.69
E885725		<0.001	<0.02	0.286	0.005	0.016	0.132	5.09	0.17	1.460	1290	1.48
E885726		<0.001	<0.02	0.241	0.004	0.045	0.096	4.04	0.16	1.025	1280	0.53
E885727		<0.001	<0.02	0.373	0.007	0.043	0.141	6.32	0.26	1.690	1285	0.38
E885728		<0.001	<0.02	0.159	0.003	0.028	0.064	2.84	0.51	1.075	1300	0.88
E885729		<0.001	<0.02	0.210	0.004	0.076	0.108	5.34	0.45	3.29	1050	0.55
E885730		<0.001	<0.02	0.261	0.006	0.013	0.142	6.22	0.42	1.790	1285	0.48
E885731		<0.001	<0.02	0.341	0.006	0.015	0.133	6.14	0.26	1.690	2050	0.52
E885731C		<0.001	0.09	3.79	0.022	0.136	0.603	49.8	0.09	10.60	195.5	9.34
E885732		<0.001	<0.02	0.305	0.006	0.041	0.115	4.83	0.32	1.350	1840	0.52
E885733		<0.001	<0.02	0.180	0.004	0.013	0.073	2.84	0.21	0.765	1200	0.71
E885734		<0.001	<0.02	0.365	0.006	0.045	0.140	5.43	0.36	1.595	1235	0.61
E885735		<0.001	<0.02	0.262	0.005	0.035	0.094	3.89	0.24	1.050	851	0.79
E885736		<0.001	<0.02	0.307	0.005	0.032	0.110	4.57	0.26	1.460	1065	0.62
E885737		<0.001	<0.02	0.321	0.006	0.044	0.113	5.77	0.26	1.365	973	0.52
E885738		<0.001	<0.02	0.275	0.005	0.025	0.108	5.64	0.24	1.280	1095	0.56
E885739		<0.001	<0.02	0.287	0.005	0.022	0.106	5.45	0.18	1.335	1200	0.65
E885740		<0.001	<0.02	0.318	0.007	0.060	0.168	7.99	0.29	2.28	436	0.41
E885741		<0.001	<0.02	0.420	0.008	0.025	0.198	9.22	0.35	2.53	887	0.29
E885742		<0.001	<0.02	0.225	0.004	0.014	0.098	4.35	0.29	1.150	1325	0.32
E885743		<0.001	<0.02	0.239	0.004	0.024	0.108	4.21	0.24	1.445	2080	0.77
E885744		<0.001	<0.02	0.329	0.005	0.023	0.149	6.65	0.35	2.09	1425	0.41
E885745		<0.001	<0.02	0.253	0.005	0.047	0.108	5.33	0.19	1.615	1380	0.24
E885746												
E885747												
E885748		<0.001	<0.02	0.252	0.005	0.019	0.107	5.04	0.61	1.155	1635	0.37
E885749		<0.001	<0.02	0.263	0.005	0.027	0.108	4.47	0.70	1.260	872	0.53
E885750		<0.001	<0.02	0.384	0.005	0.061	0.149	6.71	0.63	1.635	1350	0.53
E885750C		<0.001	<0.02	3.95	0.024	0.143	0.624	60.9	0.11	11.15	192.5	9.61
E885801		<0.001	<0.02	0.196	0.003	0.254	0.081	3.65	0.14	0.815	1165	0.69
E885802		<0.001	<0.02	0.207	0.004	0.709	0.106	4.69	0.19	1.095	1230	0.26
E885803		<0.001	<0.02	0.212	0.004	0.091	0.109	4.73	0.16	1.765	1035	0.25
E885804		<0.001	<0.02	0.258	0.005	0.302	0.128	5.51	0.40	1.600	855	0.50

Comments: **Corrected certificate for VEG- ASH01 on samples E885718 to E885729**

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

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Project: Vegetation sampling

CERTIFICATE OF ANALYSIS VA18200592

Sample Description	Method Analyte Units LOD	VEG- ASH01 WT. SAMP g 0.01	VEG- ASH01 WT. ASH g 0.01	WEI- 21 Recvd Wt. kg 0.02	ME- VEG41a Au ppm 0.0002	ME- VEG41a Ag ppm 0.001	ME- VEG41a Al % 0.01	ME- VEG41a As ppm 0.01	ME- VEG41a B ppm 1	ME- VEG41a Ba ppm 0.1	ME- VEG41a Be ppm 0.01	ME- VEG41a Bi ppm 0.001	ME- VEG41a Ca % 0.01	ME- VEG41a Cd ppm 0.001	ME- VEG41a Ce ppm 0.003	ME- VEG41a Co ppm 0.002
E885805		31.4	0.45		0.0017	0.154	0.17	1.50	459	456	0.03	0.049	18.80	1.175	1.815	1.970
E885806		30.0	0.35		0.0043	0.135	0.27	2.09	529	640	0.07	0.081	16.75	0.880	3.58	1.655
E885807		32.3	0.34		0.0031	0.228	0.29	2.56	496	429	0.10	0.093	17.20	0.867	4.00	2.79
E885808		31.3	0.32		0.0051	0.251	0.41	2.69	624	284	0.13	0.120	18.15	2.52	4.19	8.48
E885809		30.1	0.32		0.0030	0.115	0.31	2.05	641	368	0.11	0.116	19.45	0.858	4.82	5.77
E885810		42.7	0.40		0.0038	0.287	0.31	1.08	653	331	0.08	0.120	16.95	1.120	4.86	3.10
E885811		20.1	0.29		0.0102	0.147	0.20	1.71	549	339	0.09	0.090	20.4	5.31	3.70	5.44
E885812		35.4	0.37		0.0032	0.189	0.22	1.71	698	374	0.07	0.088	21.5	4.09	3.80	3.34
E885813		34.0	0.42		0.0017	0.117	0.30	1.33	542	372	0.08	0.096	19.10	1.200	3.57	6.43
E885814		27.9	0.32		0.0073	0.084	0.24	1.97	499	414	0.06	0.091	19.05	0.448	3.35	4.11
E885815		29.1	0.34		0.0088	0.171	0.27	2.69	556	445	0.11	0.111	19.20	0.578	4.76	2.26
E885816		30.5	0.32		0.0086	0.214	0.33	2.56	598	427	0.11	0.129	20.3	0.602	5.27	2.03
E885817		33.2	0.36		0.0093	0.182	0.24	1.99	614	346	0.07	0.082	18.50	0.425	3.41	2.40
E885818		35.7	0.42		0.0060	0.179	0.19	2.01	576	403	0.07	0.078	20.9	0.440	3.15	2.21
E885819		30.6	0.32		0.0049	0.153	0.30	2.63	642	386	0.07	0.119	19.05	1.365	4.25	8.17
E885819C					0.0068	0.041	2.95	4.19	354	104.5	0.49	0.123	18.10	0.239	29.9	17.05
E885820		32.0	0.37		0.0047	0.146	0.26	2.18	547	493	0.07	0.105	23.7	0.599	4.30	3.38
E885821		44.1	0.51		0.0037	0.188	0.20	1.56	656	361	0.06	0.079	20.6	0.362	3.03	2.44
E885822		39.7	0.43		0.0029	0.147	0.22	1.36	656	447	0.06	0.084	18.50	0.519	3.61	2.41
E885823		32.5	0.35		0.0166	0.096	0.25	1.96	534	409	0.06	0.100	15.80	0.602	3.52	4.03
E885824		36.6	0.38		0.0169	0.094	0.20	1.52	513	484	0.09	0.070	19.50	0.692	2.83	3.27
E885825		26.7	0.37		0.0101	0.103	0.18	1.84	467	436	0.10	0.058	22.3	5.41	2.59	24.3
E885826		28.9	0.41		0.0037	0.105	0.20	2.01	506	414	0.05	0.078	20.0	0.724	3.19	22.3
E885827		28.1	0.37		0.0034	0.107	0.22	1.51	568	334	0.07	0.064	15.35	0.468	2.49	4.15
E885828		28.5	0.32		0.0053	0.241	0.24	2.12	505	395	0.08	0.089	18.90	0.755	3.68	5.55
E885829		30.7	0.29		0.0081	0.162	0.29	2.48	575	262	0.08	0.101	16.00	1.065	3.47	4.85
E885830		34.9	0.39		0.0039	0.150	0.40	1.35	632	305	0.13	0.103	18.35	0.786	5.14	18.20
E885831		27.4	0.38		0.0031	0.123	0.28	1.68	476	290	0.05	0.077	16.75	0.608	3.51	2.57
E885832		34.5	0.40		0.0041	0.086	0.21	1.69	520	347	0.09	0.082	21.9	0.580	3.00	3.62
E885832C					0.0056	0.029	2.99	3.95	344	105.0	0.52	0.117	17.70	0.268	30.0	18.35

Comments: **Corrected certificate for VEG- ASH01 on samples E885718 to E885729**

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

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Finalized Date: 24- SEP- 2018
Account: OPB

Project: Vegetation sampling

CERTIFICATE OF ANALYSIS VA18200592

Sample Description	Method	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a
	Analyte	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.01	0.005	0.01	1	0.004	0.005	0.002	0.001	0.005	0.01	0.002	0.1	0.001	0.1	0.01
E885805		2.22	2.94	367	1500	0.259	<0.005	0.016	<0.001	<0.005	>10.0	0.963	0.7	3.78	41700	1.17
E885806		3.53	5.85	283	2500	0.499	0.007	0.010	0.002	<0.005	>10.0	1.810	1.4	3.11	>50000	0.88
E885807		3.46	10.05	252	2400	0.420	0.006	0.007	0.003	0.009	>10.0	2.09	1.4	3.72	42100	1.19
E885808		4.82	18.30	308	3300	0.598	0.010	0.008	<0.001	0.006	>10.0	1.955	3.0	3.69	38500	1.39
E885809		4.06	5.61	303	3200	0.556	0.007	0.004	0.005	<0.005	>10.0	2.48	1.9	4.59	22300	2.12
E885810		3.35	5.65	276	3300	0.553	0.009	0.006	0.001	0.013	>10.0	2.31	2.1	3.97	>50000	1.39
E885811		3.28	5.25	267	2500	0.463	0.009	0.005	<0.001	0.007	>10.0	1.860	1.7	4.22	34600	16.65
E885812		3.43	3.36	246	2900	0.500	0.008	0.016	0.002	0.010	>10.0	1.890	1.7	4.21	35700	47.4
E885813		3.48	8.50	320	2900	0.483	0.008	0.010	0.003	<0.005	>10.0	1.805	2.3	4.30	>50000	0.86
E885814		4.04	13.00	239	2600	0.456	0.005	0.011	0.002	<0.005	>10.0	1.670	1.6	3.72	47300	1.59
E885815		4.33	14.65	270	3100	0.592	0.007	0.002	<0.001	0.005	>10.0	2.43	2.3	4.04	>50000	0.75
E885816		5.23	11.80	314	3600	0.702	0.012	0.010	<0.001	<0.005	>10.0	2.60	2.2	3.94	>50000	0.97
E885817		3.57	9.35	308	2700	0.442	0.007	0.004	0.002	<0.005	>10.0	1.720	1.5	4.27	>50000	0.97
E885818		3.69	7.48	270	2700	0.435	0.009	0.010	0.001	0.006	>10.0	1.645	1.5	4.28	>50000	2.15
E885819		3.89	7.89	304	3200	0.552	0.009	0.002	0.003	<0.005	>10.0	2.08	2.1	5.33	48300	0.91
E885819C		156.5	1.150	75.9	24800	6.80	0.044	0.301	0.001	0.026	1.24	14.35	11.7	1.940	1110	0.91
E885820		3.86	11.10	352	3000	0.553	0.009	0.025	<0.001	0.006	9.31	2.17	1.4	4.96	42600	0.98
E885821		3.30	6.74	267	2900	0.432	0.009	0.010	0.001	0.008	>10.0	1.490	1.5	4.62	>50000	2.06
E885822		3.01	7.66	268	3300	0.471	<0.005	0.019	<0.001	0.013	>10.0	1.775	1.7	3.98	>50000	6.44
E885823		4.35	23.5	358	3000	0.556	0.011	0.014	0.002	0.005	>10.0	1.635	2.2	3.57	>50000	1.42
E885824		3.23	5.40	363	2200	0.384	0.006	0.039	<0.001	<0.005	>10.0	1.435	1.6	3.50	34800	0.74
E885825		3.18	14.70	423	2400	0.381	<0.005	0.050	0.001	0.007	9.61	1.320	4.1	3.40	44400	0.82
E885826		3.31	8.94	459	2400	0.409	0.006	0.020	<0.001	0.009	>10.0	1.595	2.4	3.57	46000	0.72
E885827		3.31	2.59	401	2600	0.366	0.009	0.020	<0.001	<0.005	>10.0	1.135	1.2	3.90	48000	1.39
E885828		5.51	10.60	239	3200	0.507	0.010	0.028	0.001	0.010	>10.0	1.705	1.6	3.89	47300	1.26
E885829		5.90	2.55	252	3800	0.445	0.015	0.023	<0.001	<0.005	>10.0	1.450	1.8	3.07	>50000	3.80
E885830		5.02	3.39	270	3700	0.686	0.015	0.012	<0.001	0.010	>10.0	2.41	3.0	4.04	>50000	0.87
E885831		3.47	18.45	272	2500	0.478	<0.005	0.013	<0.001	0.014	>10.0	1.550	2.1	4.73	>50000	1.01
E885832		2.87	9.91	393	2200	0.376	<0.005	0.038	<0.001	<0.005	>10.0	1.425	1.8	3.05	49600	0.97
E885832C		171.5	1.215	78.4	25300	6.21	0.039	0.315	<0.001	0.020	1.24	13.70	13.3	1.910	1100	0.84

Comments: **Corrected certificate for VEG- ASH01 on samples E885718 to E885729**

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

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Finalized Date: 24- SEP- 2018
Account: OPB

Project: Vegetation sampling

CERTIFICATE OF ANALYSIS VA18200592

Sample Description	Method	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a
	Analyte	Na	Nb	Ni	P	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se	Sn	Sr
	Units	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	0.001	0.002	0.04	0.001	0.01	0.001	0.002	0.01	0.001	0.01	0.01	0.01	0.005	0.01	0.02
E885805		0.083	0.083	23.4	4.75	5.90	0.003	<0.002	840	<0.001	1.06	1.04	0.45	0.382	0.24	508
E885806		0.079	0.122	66.6	4.37	11.20	0.003	<0.002	1260	0.001	0.95	1.00	0.69	0.541	0.36	557
E885807		0.063	0.111	85.8	>5.0	16.30	0.002	<0.002	1670	<0.001	1.10	0.80	0.64	0.491	0.38	828
E885808		0.141	0.147	163.5	>5.0	22.0	0.002	<0.002	1640	<0.001	1.75	1.14	0.78	1.010	0.45	1100
E885809		0.074	0.159	67.6	4.78	16.55	0.003	<0.002	1290	0.001	1.38	0.98	0.79	0.639	0.48	1330
E885810		0.074	0.129	30.3	>5.0	18.20	0.001	<0.002	1090	<0.001	1.47	0.78	0.75	0.510	0.46	753
E885811		0.343	0.157	12.00	4.08	15.95	0.001	<0.002	610	0.001	1.53	1.38	0.73	0.709	0.42	465
E885812		0.173	0.143	14.40	3.90	12.45	<0.001	<0.002	500	<0.001	1.53	1.53	0.71	0.530	0.42	430
E885813		0.095	0.113	138.0	>5.0	12.80	0.002	<0.002	730	<0.001	1.38	0.63	0.70	0.633	0.39	270
E885814		0.122	0.124	43.8	4.44	9.94	<0.001	<0.002	780	<0.001	1.12	0.87	0.68	0.271	0.42	280
E885815		0.092	0.142	39.2	4.31	12.70	0.001	<0.002	750	0.001	1.09	1.28	0.82	0.437	0.55	251
E885816		0.096	0.148	36.6	4.13	18.00	0.001	<0.002	500	0.001	1.17	1.40	0.96	0.621	0.56	216
E885817		0.053	0.140	33.5	4.74	11.15	0.002	<0.002	650	0.001	1.34	0.92	0.68	0.345	0.44	296
E885818		0.054	0.111	13.45	4.05	10.35	0.001	<0.002	540	<0.001	1.03	0.76	0.68	0.271	0.54	328
E885819		0.080	0.149	85.3	4.25	12.90	0.001	<0.002	590	0.001	1.15	0.73	0.76	0.458	0.43	304
E885819C		0.578	0.063	134.0	0.250	8.07	0.004	0.004	19.00	0.001	0.45	0.19	10.25	0.467	0.89	1040
E885820		0.077	0.131	76.1	3.54	13.65	<0.001	<0.002	490	0.001	1.09	1.47	0.71	0.548	0.39	417
E885821		0.068	0.105	19.95	4.21	8.41	0.001	<0.002	470	0.001	1.23	1.22	0.62	0.376	0.35	365
E885822		0.047	0.131	16.55	3.64	10.85	0.003	<0.002	490	<0.001	1.13	0.79	0.62	0.359	0.41	308
E885823		0.072	0.117	46.5	>5.0	11.90	<0.001	<0.002	950	<0.001	1.51	1.44	0.85	0.539	0.32	300
E885824		0.057	0.085	85.0	4.71	9.24	<0.001	<0.002	540	<0.001	1.29	0.74	0.69	0.717	0.32	439
E885825		0.140	0.090	93.7	3.91	7.95	<0.001	<0.002	680	<0.001	1.44	1.18	0.65	0.685	0.28	344
E885826		0.066	0.110	148.5	4.68	9.91	<0.001	<0.002	680	<0.001	1.32	0.96	0.69	0.525	0.34	302
E885827		0.049	0.073	62.0	>5.0	8.42	<0.001	<0.002	720	0.001	1.87	0.68	0.65	0.635	0.29	329
E885828		0.048	0.125	100.5	4.28	10.85	<0.001	<0.002	960	<0.001	1.41	0.63	0.74	0.693	0.36	398
E885829		0.086	0.131	126.5	>5.0	10.35	<0.001	<0.002	890	<0.001	1.95	0.93	0.72	1.330	0.40	298
E885830		0.069	0.172	344	4.90	18.15	<0.001	<0.002	1000	0.001	1.78	0.69	1.20	1.585	0.57	459
E885831		0.062	0.110	44.9	4.52	10.65	<0.001	<0.002	950	<0.001	1.60	0.70	0.84	0.967	0.37	254
E885832		0.056	0.101	56.2	3.89	10.20	<0.001	<0.002	590	<0.001	1.61	0.55	0.66	0.661	0.35	312
E885832C		0.570	0.050	139.5	0.252	8.27	<0.001	<0.002	21.1	<0.001	0.45	0.12	12.25	0.299	0.75	1050

Comments: **Corrected certificate for VEG- ASH01 on samples E885718 to E885729**

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

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Finalized Date: 24- SEP- 2018
Account: OPB

Project: Vegetation sampling

CERTIFICATE OF ANALYSIS VA18200592

Sample Description	Method	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a	ME- VEG41a
	Analyte	Ta	Te	Th	Tl	Tl	U	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.001	0.02	0.002	0.001	0.002	0.005	0.05	0.01	0.003	0.1	0.02
E885805		<0.001	<0.02	0.155	0.003	0.261	0.066	2.80	0.14	0.745	1310	0.56
E885806		<0.001	<0.02	0.265	0.005	0.453	0.109	4.73	0.16	1.330	1170	0.47
E885807		<0.001	<0.02	0.228	0.004	0.098	0.111	4.44	0.21	1.315	900	0.16
E885808		<0.001	<0.02	0.290	0.005	0.304	0.166	7.09	0.21	1.630	1385	0.27
E885809		<0.001	<0.02	0.322	0.005	0.090	0.147	6.06	0.31	1.785	829	0.17
E885810		<0.001	<0.02	0.294	0.005	0.889	0.156	5.64	0.20	1.630	1285	0.26
E885811		<0.001	<0.02	0.293	0.005	0.038	0.120	5.73	0.44	1.485	1520	0.33
E885812		<0.001	<0.02	0.309	0.005	0.240	0.123	5.65	0.40	1.415	2120	0.39
E885813		<0.001	<0.02	0.259	0.005	0.304	0.112	5.13	0.14	1.260	1390	0.35
E885814		<0.001	<0.02	0.263	0.006	0.274	0.093	5.26	0.26	1.245	1475	0.29
E885815		<0.001	<0.02	0.367	0.006	0.122	0.143	6.26	0.40	1.740	1565	0.15
E885816		<0.001	<0.02	0.417	0.008	0.138	0.150	7.20	0.32	1.620	1800	0.22
E885817		<0.001	<0.02	0.260	0.005	0.244	0.112	4.85	0.39	1.145	1665	0.17
E885818		<0.001	<0.02	0.246	0.005	0.471	0.105	4.56	0.21	1.190	1240	0.43
E885819		<0.001	<0.02	0.290	0.006	0.306	0.140	6.37	0.25	1.655	1230	0.27
E885819C		<0.001	0.12	3.89	0.024	0.134	0.619	56.0	0.09	10.55	193.5	9.43
E885820		<0.001	<0.02	0.323	0.005	0.227	0.112	5.11	0.20	1.415	1240	0.75
E885821		<0.001	<0.02	0.227	0.004	0.537	0.088	3.99	0.16	1.145	1460	0.30
E885822		<0.001	<0.02	0.246	0.005	1.755	0.103	4.97	0.28	1.200	1735	0.81
E885823		<0.001	<0.02	0.287	0.005	1.040	0.106	5.36	0.22	1.645	1285	0.39
E885824		<0.001	<0.02	0.223	0.004	0.378	0.088	3.83	0.23	1.055	1035	0.97
E885825		<0.001	<0.02	0.247	0.004	0.459	0.082	4.74	0.23	1.050	1095	1.41
E885826		<0.001	<0.02	0.269	0.004	0.359	0.093	5.55	0.28	1.180	977	0.98
E885827		<0.001	<0.02	0.180	0.004	0.386	0.077	3.46	0.28	0.869	1015	0.68
E885828		<0.001	<0.02	0.259	0.006	0.124	0.093	4.86	0.19	1.380	889	0.88
E885829		<0.001	<0.02	0.200	0.005	0.183	0.114	4.77	0.23	1.520	1055	0.64
E885830		<0.001	<0.02	0.294	0.007	0.041	0.146	7.87	0.19	1.775	978	0.48
E885831		<0.001	<0.02	0.263	0.005	0.132	0.115	4.51	0.21	1.195	1290	0.37
E885832		<0.001	<0.02	0.230	0.004	0.027	0.096	3.85	0.12	1.205	1265	0.93
E885832C		<0.001	0.21	3.90	0.024	0.136	0.602	58.3	0.09	11.05	199.5	9.79

Comments: **Corrected certificate for VEG- ASH01 on samples E885718 to E885729**

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

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

To: GOLDCORP INC - MUSSELWHITE
MUSSELWHITE MINE
PO BOX 7500
THUNDER BAY ON P7B 6S8

Project: Vegetation sampling

CERTIFICATE OF ANALYSIS VA18200592

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

BAG- 01	DRY- 22	LOG- 22	LOG- 24
ME- VEG41a	VEG- ASH01	WEI- 21	

Appendix XI – Invoices and Receipts

Activation Laboratories Ltd.
ALS Canada Ltd.
InReach Inc.
Wisk Air Helicopters
Colin Dunn Consulting
Canadian Tire
Deakin Industries
Services Exploratoin

Appendix XII – Full table claims in the North Caribou Greenstone Belt group

Tenure Number	Claim Type	Claim Status	Date Issued	Date Due	HOLDER
503688	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503689	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503690	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503691	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503692	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503693	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503694	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503695	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503696	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503697	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503698	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503699	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503700	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503701	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503702	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503703	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503704	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503705	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503706	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503707	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503708	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503709	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503710	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503711	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503712	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503713	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
503714	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505136	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505137	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505138	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505139	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505140	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505141	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505142	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505143	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505144	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505145	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505146	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505147	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505148	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505149	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505150	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505151	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505152	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505153	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505154	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505155	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505156	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505157	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505158	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505159	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505160	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505161	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505162	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505163	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505164	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505165	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505166	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505167	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505168	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505169	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505170	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505171	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505544	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505545	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505546	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505547	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505548	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505549	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505550	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505551	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505552	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

505553	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505554	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505555	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505556	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505557	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505558	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505559	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505560	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505561	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505562	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505563	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505564	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505565	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505566	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505567	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505568	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505569	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505570	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505571	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505572	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505573	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505574	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505575	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505576	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505577	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505578	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505579	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505580	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505581	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505582	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505583	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505584	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505585	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505586	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505745	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505746	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505747	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505748	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505749	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505750	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505751	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505752	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505753	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505754	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505755	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505756	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505757	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505758	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505759	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505760	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505761	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505762	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505763	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505764	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505765	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505766	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505767	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505768	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505769	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505770	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505771	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505772	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505773	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505774	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505775	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505776	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505777	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505778	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505779	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505780	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505781	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505782	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505783	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505784	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505830	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

505831	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505832	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505833	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505834	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505835	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505836	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505837	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505838	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505839	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505840	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505841	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505842	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505843	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505844	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505845	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505846	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505847	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505848	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505849	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
505850	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506097	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506098	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506099	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506100	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506101	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506102	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506103	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506104	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506105	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506106	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506107	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506108	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506109	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506110	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506111	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506112	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506113	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506114	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506115	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506116	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506117	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506118	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506119	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506120	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506121	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506122	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506123	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506124	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506125	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506126	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506127	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506153	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506154	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506155	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506156	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506157	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506158	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506159	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506160	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506161	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506162	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506163	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506164	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506165	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506166	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506167	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506168	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506169	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506170	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506171	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506172	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506173	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506174	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506175	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506176	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

506177	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506178	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506179	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506180	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506181	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506182	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506183	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506184	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506185	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506186	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506187	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506188	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506189	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506190	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506191	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506192	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506193	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506194	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506195	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506196	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506197	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506198	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506199	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506200	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506201	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506329	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506330	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506331	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506332	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506333	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506334	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506335	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506336	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506337	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506338	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506339	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506340	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506341	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506342	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506343	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506344	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506345	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506346	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506347	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506348	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506349	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506350	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506351	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506352	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506353	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506354	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506355	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506356	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506357	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506358	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506359	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506360	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506361	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506362	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506363	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506364	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506365	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506366	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506367	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506368	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506369	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506370	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506371	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506372	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506373	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506374	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506508	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506509	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506510	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506511	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

506512	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506513	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506514	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506515	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506516	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506517	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506518	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506519	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506520	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506521	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506522	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506523	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506524	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506525	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506526	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506527	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506528	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506529	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506530	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506531	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506532	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506533	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506534	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506535	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506536	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506537	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506538	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506539	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506540	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506541	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506542	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506543	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506544	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506545	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506546	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506547	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506548	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506549	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506550	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506612	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506613	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506614	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506615	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506616	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506617	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506618	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506619	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506620	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506621	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506622	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506623	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506624	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506625	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506626	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506627	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506628	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506629	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506630	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506631	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506632	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506633	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506634	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506635	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506636	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506637	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506638	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506639	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506640	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506641	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506642	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506643	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506644	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506645	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506646	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506647	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

506648	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506649	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506650	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506651	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506692	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506693	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506694	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506695	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506696	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506697	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506698	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506699	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506700	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506701	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506702	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506703	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506704	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506705	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506706	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506707	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506708	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506709	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506710	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506711	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506712	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506713	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506714	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506715	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506716	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506717	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506718	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506719	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506720	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506721	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506722	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506723	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506724	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506725	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506726	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506727	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506728	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506729	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506730	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506731	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506732	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506733	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506734	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506735	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506736	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506737	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506738	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506739	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506793	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506794	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506795	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506796	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506797	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506798	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506799	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506800	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506801	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506802	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506803	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506804	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506805	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506806	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506807	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506808	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506809	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506810	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506811	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506812	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506813	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506814	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506815	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

506816	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506817	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506818	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506819	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506820	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506821	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506822	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506823	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506824	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506825	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506826	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506827	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506828	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506829	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506830	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506831	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506832	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506833	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506834	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506835	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506836	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506837	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506838	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506839	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506840	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506841	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506842	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506939	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506940	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506941	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506942	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506943	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506944	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506945	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506946	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506947	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506948	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506949	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506950	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506951	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506952	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506953	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506954	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506955	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506956	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506957	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506958	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506959	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506960	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506961	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506962	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506963	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506964	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506965	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506966	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506967	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506968	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506969	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506970	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506971	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506972	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506973	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506974	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506975	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506976	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506977	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506978	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
506979	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507029	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507030	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507031	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507032	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507033	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507034	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507035	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

507036	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507037	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507038	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507039	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507040	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507041	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507042	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507043	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507044	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507045	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507046	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507047	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507048	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507049	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507050	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507051	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507052	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507053	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507054	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507055	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507056	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507057	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507058	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507059	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507060	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507061	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507062	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507063	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507064	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507065	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507066	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507067	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507068	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507069	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507070	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507071	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507072	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507089	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507090	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507091	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507092	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507093	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507094	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507095	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507096	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507097	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507098	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507099	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507100	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507101	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507102	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507103	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507104	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507105	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507106	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507107	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507108	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507109	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507110	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507111	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507112	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507113	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507114	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507115	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507116	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507117	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507118	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507119	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507120	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507121	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507122	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507123	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507124	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507131	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507132	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

507133	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507134	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507135	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507136	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507137	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507138	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507139	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507140	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507141	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507142	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507143	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507144	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507145	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507146	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507147	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507148	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507149	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507150	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507151	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507152	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507153	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507154	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507155	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507156	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507157	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507158	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507159	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507160	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507161	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507162	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507163	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507164	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507165	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507166	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507167	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507168	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507169	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507170	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507171	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507172	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507173	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507174	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507175	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507176	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507177	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507178	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507179	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507180	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507237	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507238	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507239	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507240	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507241	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507242	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507243	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507244	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507245	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507246	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507247	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507248	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507249	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507250	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507251	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507252	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507253	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507254	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507255	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507256	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507257	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507258	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507259	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507260	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507261	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507262	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507263	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

507264	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507265	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507266	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507267	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507268	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507269	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507270	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507271	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507272	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507273	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507274	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507275	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507276	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507277	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507278	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507279	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507280	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507281	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507282	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507283	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507284	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507285	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507286	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507369	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507370	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507371	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507372	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507373	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507374	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507375	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507376	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507377	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507378	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507379	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507380	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507381	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507382	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507383	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507384	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507385	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507386	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507387	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507388	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507389	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507390	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507391	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507392	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507393	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507394	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507395	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507396	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507397	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507398	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507399	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507400	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507401	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507402	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507403	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507404	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507405	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507406	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507407	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507408	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507409	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507410	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507411	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507412	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507413	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507414	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507415	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507416	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507417	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507418	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507443	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507444	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

507445	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507446	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507447	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507448	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507449	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507450	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507451	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507452	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507453	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507454	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507455	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507456	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507457	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507458	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507459	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507460	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507461	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507462	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507463	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507464	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507465	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507466	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507467	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507468	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507469	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507470	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507471	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507472	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507473	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507474	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507475	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507476	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507485	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507486	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507487	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507488	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507489	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507490	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507491	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507492	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507493	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507494	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507495	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507496	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507497	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507498	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507499	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507500	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507501	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507502	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507503	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507504	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507505	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507506	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507507	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507508	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507509	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507510	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507511	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507512	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507513	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507514	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507515	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507516	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507517	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507518	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507519	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507520	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507521	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507522	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507523	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507524	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507525	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507526	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507527	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

507528	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507529	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507530	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507531	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507532	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507533	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507534	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507535	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507536	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507537	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507538	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507539	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507540	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507541	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507542	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507543	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507544	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507545	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507546	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507547	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507548	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507549	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507550	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507551	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507552	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507553	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507554	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507555	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507556	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507557	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507558	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507559	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507560	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507561	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507562	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507563	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507564	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507565	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507566	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507567	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507568	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507569	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507570	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507571	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507572	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507573	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507574	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507575	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507576	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507577	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507578	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507579	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507580	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507581	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507582	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507583	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507584	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507630	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507631	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507632	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507633	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507634	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507635	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507636	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507637	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507638	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507639	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507640	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507641	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507642	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507643	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507644	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507645	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507646	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507647	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

507648	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507649	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507650	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507651	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507652	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507653	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507654	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507655	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507656	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507657	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507658	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507659	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507660	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507661	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507662	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507663	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507664	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507665	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507666	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507667	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507668	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507669	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507670	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507671	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507672	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507673	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507674	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507675	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507676	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507677	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507678	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507679	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507763	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507764	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507765	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507766	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507767	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507768	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507769	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507770	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507771	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507772	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507773	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507774	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507775	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507776	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507777	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507778	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507779	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507780	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507781	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507782	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507783	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507784	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507785	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507786	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507787	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507788	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507789	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507790	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507791	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507792	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507793	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507794	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507795	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507796	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507797	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507798	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507799	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507800	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507801	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507802	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507803	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507804	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507805	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

507806	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507807	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507808	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507809	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507810	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507811	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507812	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507947	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507948	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507949	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507950	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507951	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507952	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507953	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507954	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507955	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507956	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507957	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507958	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507959	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507960	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507961	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507962	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507963	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507964	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507965	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507966	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507967	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507968	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507969	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507970	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507971	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507972	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507973	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507974	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507975	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
507976	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508027	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508028	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508029	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508030	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508031	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508032	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508033	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508034	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508035	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508036	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508037	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508038	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508039	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508040	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508041	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508042	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508043	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508044	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508045	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508046	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508047	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508048	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508049	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508050	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508051	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508052	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508053	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508054	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508055	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508056	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508057	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508058	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508059	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508060	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508061	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508062	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508063	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508064	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

508065	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508066	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508067	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508068	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508069	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508070	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508071	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508093	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508094	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508095	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508096	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508097	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508098	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508099	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508100	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508101	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508102	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508103	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508104	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508105	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508106	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508107	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508108	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508109	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508110	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508111	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508112	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508113	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508114	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508115	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508116	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508117	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508118	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508119	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508120	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508121	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508122	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508123	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508124	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508125	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508126	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508127	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508128	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508129	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508130	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508131	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508132	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508133	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508134	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508135	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508136	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508137	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508138	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508139	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508140	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508141	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508142	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508144	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508145	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508146	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508147	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508148	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508149	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508150	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508151	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508152	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508153	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508154	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508155	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508156	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508157	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508158	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508159	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508160	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508161	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

508162	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508163	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508164	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508165	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508166	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508167	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508168	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508169	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508170	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508171	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508172	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508173	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508174	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508175	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508176	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508177	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508178	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508179	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508180	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508181	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508182	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508183	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508184	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508185	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508186	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508187	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508188	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508189	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508190	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508191	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508192	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508193	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508194	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508195	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508196	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508197	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508198	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508199	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508200	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508201	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508202	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508203	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508204	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508205	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508206	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508207	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508208	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508209	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508210	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508211	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508212	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508213	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508214	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508215	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508216	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508217	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508218	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508219	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508220	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508221	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508222	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508223	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508224	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508225	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508226	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508227	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508228	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508229	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508230	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508231	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508232	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508233	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508234	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508235	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508236	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

508237	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508238	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508239	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508240	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508302	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508303	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508304	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508305	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508306	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508307	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508308	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508309	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508310	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508311	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508312	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508313	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508314	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508315	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508316	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508317	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508318	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508319	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508320	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508321	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508322	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508323	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508324	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508325	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508326	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508327	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508328	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508329	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508505	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508506	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508507	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508508	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508509	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508510	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508511	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508512	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508513	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508514	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508515	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508516	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508517	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508518	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508519	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508520	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508521	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508522	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508523	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508524	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508525	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508526	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508527	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508528	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508529	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508530	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508531	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508532	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508533	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508534	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508535	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508536	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508537	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508538	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508539	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508540	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508541	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508542	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508543	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508544	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508545	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508546	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508547	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

508548	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508549	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508550	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508551	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508552	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508553	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508554	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508555	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508556	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508557	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508558	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508559	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508560	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508561	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508562	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508563	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508564	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508565	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508566	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508567	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508568	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508569	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508570	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508571	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508572	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508573	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508574	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508575	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508576	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508577	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508578	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508579	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508580	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508581	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508582	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508583	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508584	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508886	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508887	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508888	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508889	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508890	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508891	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508892	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508893	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508894	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508895	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508896	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508897	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508898	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508899	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508900	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508901	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508902	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508903	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508904	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508905	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508906	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508907	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508908	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508909	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508910	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508911	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508912	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508913	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508914	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508915	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508916	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508917	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508918	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508919	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508920	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508921	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508922	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508923	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

508924	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508925	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508926	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508927	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508985	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508986	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508987	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508988	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508989	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508990	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508991	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508992	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508993	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508994	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508995	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508996	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508997	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508998	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
508999	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509000	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509001	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509002	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509003	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509004	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509005	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509006	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509007	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509008	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509009	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509010	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509011	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509012	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509013	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509014	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509015	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509016	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509017	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509018	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509019	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509020	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509021	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509022	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509023	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509024	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509057	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509058	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509059	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509060	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509061	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509062	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509063	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509064	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509065	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509066	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509067	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509068	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509069	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509070	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509071	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509072	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509073	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509074	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509075	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509076	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509077	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509078	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509079	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509080	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509081	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509082	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509083	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509084	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509085	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509086	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509087	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

509088	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509089	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509090	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509091	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509092	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509093	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509094	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509217	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509218	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509219	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509220	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509221	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509222	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509223	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509224	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509225	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509226	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509227	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509228	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509229	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509230	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509231	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509232	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509233	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509234	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509235	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509236	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509237	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509238	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509239	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509240	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509241	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509242	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509243	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509244	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509245	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509246	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509247	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509248	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509249	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509250	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509251	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509252	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509253	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509254	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509255	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509256	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509257	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509258	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509259	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509260	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509261	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509262	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509263	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509264	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509265	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509266	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509299	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509300	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509301	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509302	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509303	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509304	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509305	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509306	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509307	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509308	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509309	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509310	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509311	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509312	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509313	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509314	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509315	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509316	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

509329	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509330	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509331	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509332	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509333	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509334	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509335	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509336	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509337	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509338	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509339	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509340	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509341	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509342	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509343	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509344	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509345	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509346	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509347	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509348	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509349	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509350	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509351	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509352	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509353	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509354	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509355	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509356	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509357	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509358	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509359	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509360	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509361	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509362	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509363	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509364	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509365	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509366	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509367	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509368	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509369	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509370	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509371	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509372	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509373	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509374	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509375	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509376	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509377	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509378	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509439	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509440	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509441	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509442	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509443	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509444	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509445	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509446	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509447	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509448	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509449	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509450	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509451	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509452	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509453	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509454	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509455	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509456	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509457	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509458	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509459	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509460	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509461	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509462	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509463	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

509464	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509465	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509466	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509467	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509468	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509469	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509470	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509471	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509472	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509473	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509474	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509475	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509476	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509477	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509478	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509479	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509480	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509481	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509482	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509483	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509484	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509485	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509486	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509487	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509488	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509521	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509522	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509523	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509524	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509525	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509526	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509527	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509528	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509529	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509530	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509531	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509532	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509533	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509534	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509535	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509536	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509537	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509538	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509539	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509540	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509541	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509542	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509543	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509544	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509545	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509546	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509547	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509548	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509549	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509550	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509551	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509552	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509553	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509554	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509555	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509556	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509557	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509558	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509559	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509560	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509561	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509562	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509563	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509564	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509565	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509566	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509567	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509568	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509569	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509570	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

509639	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509640	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509641	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509642	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509643	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509644	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509645	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509646	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509647	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509648	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509649	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509650	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509651	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509652	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509653	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509654	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509655	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509656	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509657	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509658	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509659	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509660	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509661	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509662	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509663	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509664	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509665	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509666	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509667	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509668	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509669	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509670	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509671	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509672	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509673	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509674	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509675	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509676	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509677	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509678	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509679	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509680	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509681	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509682	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509683	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509684	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509685	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509686	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509687	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509688	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509689	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509690	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509691	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509692	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509693	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509694	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509695	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509696	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509697	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509698	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509699	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509700	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509701	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509702	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509703	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509704	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509705	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509706	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509707	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509708	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509709	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509710	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509711	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509712	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509713	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

509714	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509715	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509716	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509717	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509718	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509719	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509720	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509721	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509722	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509723	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509724	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509725	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509726	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509727	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509728	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509729	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509730	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509731	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509732	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509733	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509734	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509735	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509736	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509751	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509752	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509753	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509754	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509755	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509756	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509803	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509804	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509805	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509806	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509807	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509808	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509809	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509810	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509811	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509812	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509813	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509814	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509815	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509816	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509817	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509818	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509819	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509820	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509821	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509822	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509823	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509824	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509825	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509826	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509827	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509828	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509829	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509830	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509831	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509832	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509833	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509834	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509835	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509836	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509837	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509838	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509839	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509840	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509841	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509842	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509921	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509922	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509923	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509924	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509925	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509926	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

509927	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509928	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509929	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509930	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509931	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509932	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509933	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509934	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509935	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509936	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509937	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509938	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
509939	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510007	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510008	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510009	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510010	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510011	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510012	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510013	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510014	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510015	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510016	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510017	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510018	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510019	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510020	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510025	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510026	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510027	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510028	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510029	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510030	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510031	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510032	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510033	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510034	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510035	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510036	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510037	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510038	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510039	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510040	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510041	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510042	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510128	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510129	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510130	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510131	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510132	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510133	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510134	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510135	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510136	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510137	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510138	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510139	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510140	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510141	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510142	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510143	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510144	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510145	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510146	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510147	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510148	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510149	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510150	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510151	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510169	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510170	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510171	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510172	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510173	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510174	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

510175	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510176	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510177	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510178	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510179	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510180	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510181	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510182	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510183	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510184	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510185	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510186	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510187	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510188	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510189	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510190	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510191	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510192	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510193	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510194	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510195	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510196	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510197	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510198	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510217	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510218	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510219	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510220	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510221	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510222	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510223	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510224	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510225	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510226	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510227	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510228	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510229	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510230	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510231	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510232	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510233	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510234	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510235	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510236	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510353	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510354	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510355	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510356	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510357	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510380	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510381	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510382	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510383	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510384	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510394	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510395	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510396	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510397	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510398	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510399	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510400	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510401	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510402	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510403	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510404	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510405	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510406	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510407	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510408	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510409	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510410	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510411	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510412	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510413	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510414	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.

510415	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510416	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510417	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510418	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510419	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510420	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510421	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510422	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510423	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510424	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510425	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510426	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510427	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510444	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510445	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510446	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510447	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.
510448	Single Cell Mining Claim	Active	2018-04-10	2020-04-10	GOLDCORP CANADA LTD.