BRITISH COLUMBIA
The Best Place on Earth

Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: SOIL

TOTAL COST: $ 76,521.73

AUTHOR(S): TOM DYAKOWSKI, JOHN OSTLER

SIGNATURE(S): TDyk John Ostler

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): N.A.

YEAR OF WORK: 2017

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): EVENT 5676251 DEC. 2, 2017

PROPERTY NAME: MELBA

CLAIM NAME(S) (on which the work was done): (no name)(512061), (no name)(513923), (no name)(513944), MELBA 1 (1014767)

COMMODITIES SOUGHT: COPPER, GOLD

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 092INE090

MINING DIVISION: KAMLOOPS

NTS/BCGS: 92 I/9+I/10, 092I 048+058

LATITUDE: 50 ° 30 ' 24 " LONGITUDE: 120 ° 31 ' 42 " (at centre of work)

OWNER(S):
1) GRANT F. CROOKER
2) CHRISTOPHER I. DYAKOWSKI

MAILING ADDRESS:
BOX 404,
BOX 404, UPPER BENCH ROAD
KEREMEOS, BRITISH COLUMBIA, V0X 1N0

3750 WEST 49TH AVENUE
VANCOUVER, BRITISH COLUMBIA, V6N 3T8

OPERATOR(S) [who paid for the work]:
1) ESSEX MINERALS INC.
2)

MAILING ADDRESS:
3750 WEST 49TH AVENUE
VANCOUVER, BRITISH COLUMBIA, V6N 3T8

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
TRIASSIC-AGE PORPHYRY COPPER AND CRETACEOUS-AGE MESOTHERMAL VEINS IN QUESNEL TERRANE MAFIC VOLCANIC AND INTRUSIVE ROCKS OF THE NICOLA GROUP.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: A.R.'s 4059, 7244, 22622, 25001, 25731, 26417, 26775, 30636, 33638, 34879, EMPR BULL 77, GSC MEM 249, OF 165, 780, 2490; GSC MAPS 88LA, 887A, 9-1963, 1394A, 42-1989

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TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)		(no name) (512061) (no name) (513944) (no name) (513923) MELBA 1 (1014767)	
Soil	785 soils, 36-ELEMENT ICP, 702 ha		$61,598.99
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL	702 ha.	(no name) (512061) (no name) (513944)	
Sampling/assaying	785 SOILS, 36-ELEMENT ICP	(no name) (513923) MELBA 1 (1014767)	$13,440.74
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail	26 km via ATV	ON ALL CLAIMS OF THE PROPERTY	$1482.00
Trench (metres)			
Underground dev. (metres)			
Other			
TOTAL COST:			$76,521.73

(no name) (512061) (no name) (513944) MELBA 3 (1014799)
(no name) (513923) MELBA 1 (1014767) MELBA 4 (1014800)
(no name) (513942) MELBA 2 (1014768)

MAX INVESTMENTS INC. and CASSIAR EAST YUKON EXPEDITING LTD.

SOIL SURVEY ON THE MELBA PROPERTY

Map-staked Claims:

Claim Name	Area	Record Number	Claim Name	Area	Record Number
(no name)	369.91 ha (913.68 A)	512061	MELBA 1	554.84 ha (1,370.45 A)	1014767
(no name)	493.21 ha (1,218.23 A)	513923	MELBA 2	739.80 ha (1,827.31 A)	1014768
(no name)	493.00 ha (1,217.71 A)	513942	MELBA 3	575.52 ha (1,421.53 A)	1014799
(no name)	575.48 ha (1,421.44 A)	513944	MELBA 4	164.39 ha (406.04 A)	1014800
			Total Property Area	3,966.15 ha (9,796.39 A)	

NOTE: UNDERLINE indicates claims on which work was conducted during the current program.

Location:
Kamloops Mining Division
N.T.S.: 92 I/9 + I/10 B.C.: 092I 048 + 058
50° 30' 24"N., 120° 31' 42" W.
U.T.M.: Zone 10N, 5,597,900 N., 674,900 E.

Owners and Optionors

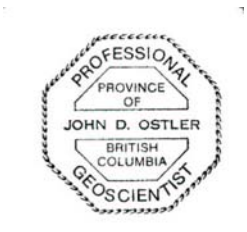
Grant F. Crooker
Box 404, 2522 Upper Bench Road
Keremeos, British Columbia, V0X 1N0

Christopher Dyakowski
3750 West 49th Avenue
Vancouver, British Columbia, V6N 3T8

Optionee:
Essex Minerals Inc.
3750 West 49th Avenue
Vancouver, British Columbia, V6N 3T8

By:
Tom Dyakowski, B.Sc., Consulting Geologist
3750 West 49th Avenue, Vancouver,
British Columbia,V6N 3T8
and
John Ostler; M.Sc., P.Geo., Consulting Geologist
1015 Clyde Avenue
West Vancouver, British Columbia, V7T 1E3

October 17, 2017



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APPENDICES

SOIL SURVEY ON THE MELBA PROPERTY

SUMMARY

The Melba property occupies an area of subdued topography on the Thompson Plateau near Lac La Jeune in south-central British Columbia. The property is on N.T.S. map 92 I/9 and I/10 and on B.C. maps 092I 048 and 058. It comprises 8 map-staked claims covering 3,966.15 hectares (9,796.39 acres) in the Kamloops Mining Division and in the Kamloops Land District.

Surface rights do not directly affect the property. The Lac La Jeune cross-country ski lodge is located 1.5 km (0.9 mi) south of the property and several private lots exist on the lake shore. There are private lots on Walloper Lake, located 500 m (1,640 ft) southwest of the property. Areas around Stake Lake and McConnell Lake are designated as protected areas and are not available for claim location. There are no aboriginal homelands on or adjoining the property. There is no plant or equipment, inventory, mine or mill structure of any value on these claims.

Much of the property has been clear-cut and is accessible by truck along new roads. The rest of the area is covered with a forest of pine, spruce, fir, aspen, and cottonwood. The main target on the Melba property is a large-tonnage, low-grade deposit that would be mined in an open pit; thus, timber supply is irrelevant to this property. The property area is remote from any power grid sufficient to support a mining operation.

Terrain in most of the claim-area is subdued and rock exposure is sparse. Soil profiles on most of the Ultimate property are sufficiently well-developed for traditional total metal ion soil geochemical surveys to be successful in identifying areas of anomalous metal concentrations.

The Melba property area experiences very cold winters and hot, dry summers. Winter snow falls by November and stays on the ground until the end of May. In a normal year, field work can be conducted from June until the end of October. Adequate fresh water for a mining operation could be pumped up from local rivers and creeks.

British Columbia Highway 5 transects the southern part of the Melba property area. The property can be accessed from Highway 5 from the Lac La Jeune - Logan Lake exit. The whole property area is accessible by a series of logging roads.

The current (2017) exploration program was a total metal ion (traditional) soil geochemical survey conducted over grid that covered 702 hectares (1,734 acres) on the no name (512061), (513923), and (513944) claims, and the MELBA 1 (1014767) claim. The soil grid comprised ten lines spaced 200 m (656.2 ft) apart for a total of 39.3 km (24 mi) of line. Lines were laid out along east-west U.T.M. grid lines. Samples were taken at 50-m (164-ft) intervals along each line over the whole grid area. Fill-in samples were taken in four small areas. A total of 785 soil samples were taken. A total of 97.75 person-days X 8 = 133.125 person-hours were spent exploring the property during the current (2017) work program. The value of the program was $76,521.73 + $3,826.09 G.S.T. + $80,347.82.

The results of the current (2017) soil survey confirm the existence of two sets of structures that contributed metal to rocks in the 2017 soil grid area in the western part of the Melba property.

The early structures are generally northerly trending and curve to the northwest and southwest in the eastern part of the grid area. They are less well-defined in the western part of the grid area where overburden is thicker. Soil results indicate that the early structures are responsible for the introduction of most of the anomalous copper in the survey area. Also, fluids coursing upward along the early structures may have caused leaching of a significant amount of zinc in the mafic intrusive rocks in the grid area.

The early structures coincide with the deep north-southerly trending structures that were identified by the 2013 Essex airborne magnetic and radiometric surveys. Those structures are interpreted to have evolved during or shortly after the emplacement of the mafic intrusion in the 2017 grid area during the Late Triassic Period when the Quesnel Terrane was developing as an island arc. Elevated copper associated with the early structures indicates that they may be related to the local development of alkalic porphyry copper-gold style mineralization.

The late structures form a classic “shatter” pattern which one would expect to see in the root zone of a manto system. They trend at 032-212° and at 320-140° and appear to form a conjugate shear set. From that orientation, it can be estimated that the greatest compressive stress was pressing in from 356° and 176°. The least compressive stress was roughly east-west and the medial compressive stress was nearly vertical.

The conjugate pattern of the late structures is best developed in the west-central part of the 2017 grid area. The late structures contain most of the elevated gold in the survey area. Whatever gold may have been introduced to the rocks in the 2017 survey area by the early structures has been masked by that associated by the late ones. There is only a moderate amount of overlap of the early and late structures and any such overlap seems to have been coincidental. The early structures were sealed and did not form significant conduits for the late structures.

The quartz-feldspar porphyry associated with mineralization along the late fractures tends to give them a calc-alkalic affinity, which further separates them from the early structures. The late structures are interpreted to have evolved during the Columbian Orogeny during the Late Cretaceous Period to the Palaeocene stage during development of the Shuswap Metamorphic Complex.

There are two very different exploration targets in the western part of the Melba property: a Late Triassic-age alkalic porphyry copper-gold deposit, and Cretaceous to Palaeocene-age gold-bearing veins. The porphyry target has by far the greatest economic potential.

The authors recommend that an extensive 3-dimensional induced polarization survey be conducted over the Melba property west of the Clapperton fault.

SOIL SURVEY ON THE MELBA PROPERTY

1.0 INTRODUCTION

1.1 Terms of Reference, Timing, and Location of Work

Essex Minerals Inc. commissioned Max Investments Inc. to conduct a program of soil geochemical survey on the Melba property. The survey was conducted by Tom Dyakowski, B.Sc., an author of this report. Essex contracted with Cassiar East Yukon Expediting Ltd. to participate in data analysis and reporting of the current (2017) soil survey. John Ostler; M.Sc., P.Geo., an author of this report, conducted that work for Cassiar East Yukon.

Total metal ion (traditional) soil geochemical survey was conducted over grid that covered 702 hectares (1,734 acres) on the no name (512061), (513923), and 513944) claims, and the MELBA 1 (1014767) claim (Figures 8 to 10). Field work was conducted at the following times:

May 3, 2017:	property access investigation by C. Dyakowski and J. Ostler
May 22 to June 3, 2017	soil survey: C., T., and N., Dyakowski and Rod Smuland
August 10 to 16, 2017	soil survey: C., T., and N., Dyakowski
July 26 and 27, 2017:	property examination and investigation of areas of high soil-gold concentrations by T. and C. Dyakowski, and J. Ostler
May 4 to October 17, 2017:	research and production of this assessment report (intermittent)

A total of 97.75 person-days X 8 = 133.125 person-hours were spent exploring the property during the current (2017) work program.

1.2 Property Ownership, Description, and Location

The Melba property occupies an area of subdued topography on the Thompson Plateau near Lac La Jeune in south-central British Columbia. The property is on N.T.S. map 92 I/9 and I/10 and on B.C. maps 092I 048 and 058. It comprises 8 map-staked claims covering 3,966.15 hectares (9,796.39 acres), in the Kamloops Mining Division, and in the Kamloops Land District. Claim tenures are as follow:

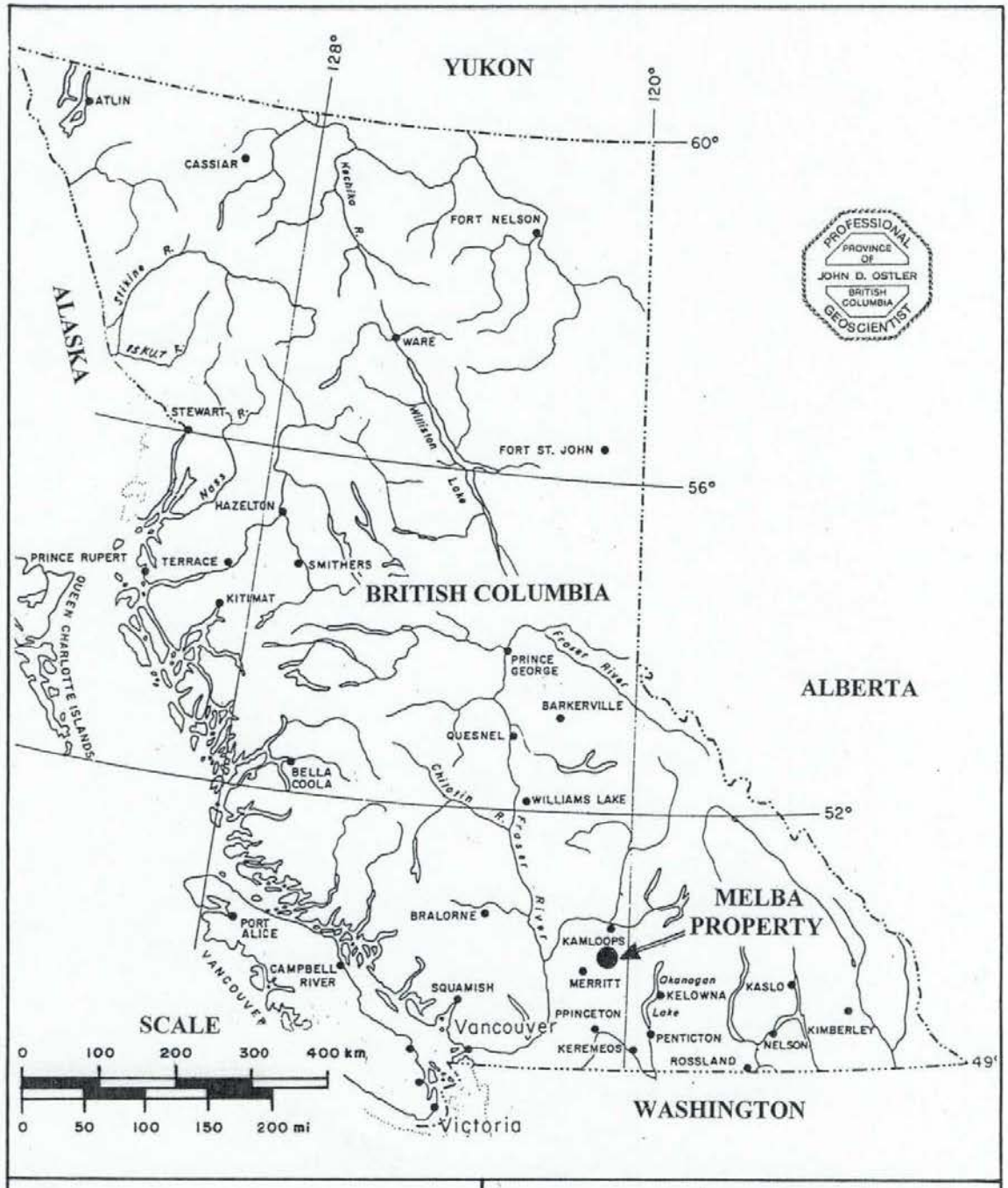
Table 1
Map-staked Claims

Claim Name	Record No.	Area: hectares (Acres)	Record Date	Expiry Date prior to current work	Owner
(no name)	512061	369.91 (913.68)	May 4, 2005	Nov 15, 2018	Grant Crooker
(no name)	513923	493.21 (1,218.23)	June 4, 2005	Nov 15, 2018	Grant Crooker
(no name)	513924	493.00 (1,217.71)	June 5, 2005	Nov 15, 2018	Grant Crooker
(no name)	513944	575.48 (1,421.44)	June 5, 2005	Nov 15, 2018	Grant Crooker
MELBA 1	1014767	554.84 (1,370.45)	Nov. 25, 2012	Nov 25, 2018	Christopher Dyakowski
MELBA 2	1014768	739.80 (1,827.31)	Nov. 25, 2012	Nov 25, 2018	Christopher Dyakowski
MELBA 3	1014799	575.52 (1,421.53)	Nov. 26, 2012	Nov 26, 2018	Christopher Dyakowski
MELBA 4	1014800	164.39 (406.04)	Nov. 26, 2012	Nov 26, 2018	Christopher Dyakowski
Total Property area		3,966.15 (9,796.39)			

The locations of the center of the current (2017) work and significant exploration areas within the property-area, are as follow (Figure 2):

Table 2
Locations of Significant Areas on the Melba Property

Center of Entity	U.T.M. Co-ordinates	Longitude and Latitude
centre of current (2017) work (no name) (513923)	5,597,900 N., 674,900 E.	50° 30' 24" N., 120° 31' 42" W.
Centre of propylitic alteration and circular magnetic feature defined by the 2013 airborne survey (no name) 513923	5,597,587 N. 674,276 E.	50° 30' 18" N., 120° 32' 32" W.
Melba showing (no name) (512061) MINFILE No. 092INE090	5,598,005 N., 675,660 E.	50° 30' 27" N., 120° 31' 21" W.
Tent showing (no name) (512061) MINFILE No. 092INE090	5,597,690 N. 675,650 E.	50° 30' 21" N., 120° 31' 21" W.
ML4 occurrence (no name) (513923)	5,598,004 N. 675,269 E.	50° 30' 28" N., 120° 31' 37" W.
Vein showing (no name) (512061) MINFILE No. 092INE090	5,597,890 N. 675,490 E	50° 30' 24" N., 120° 31' 30" W.
Approximate centre of Cretaceous-age shattering, shear and gold-bearing vein development (no name) (513923)	5,597,800 N., 674,000 E.	50° 30' 37" N., 120° 32' 45" W.
Galena showing (no name) (512061) MINFILE No. 092INE090	5,597,690 N. 676,350 E.	50° 30' 26" N., 120° 30' 46" W.



N.

Figure 1

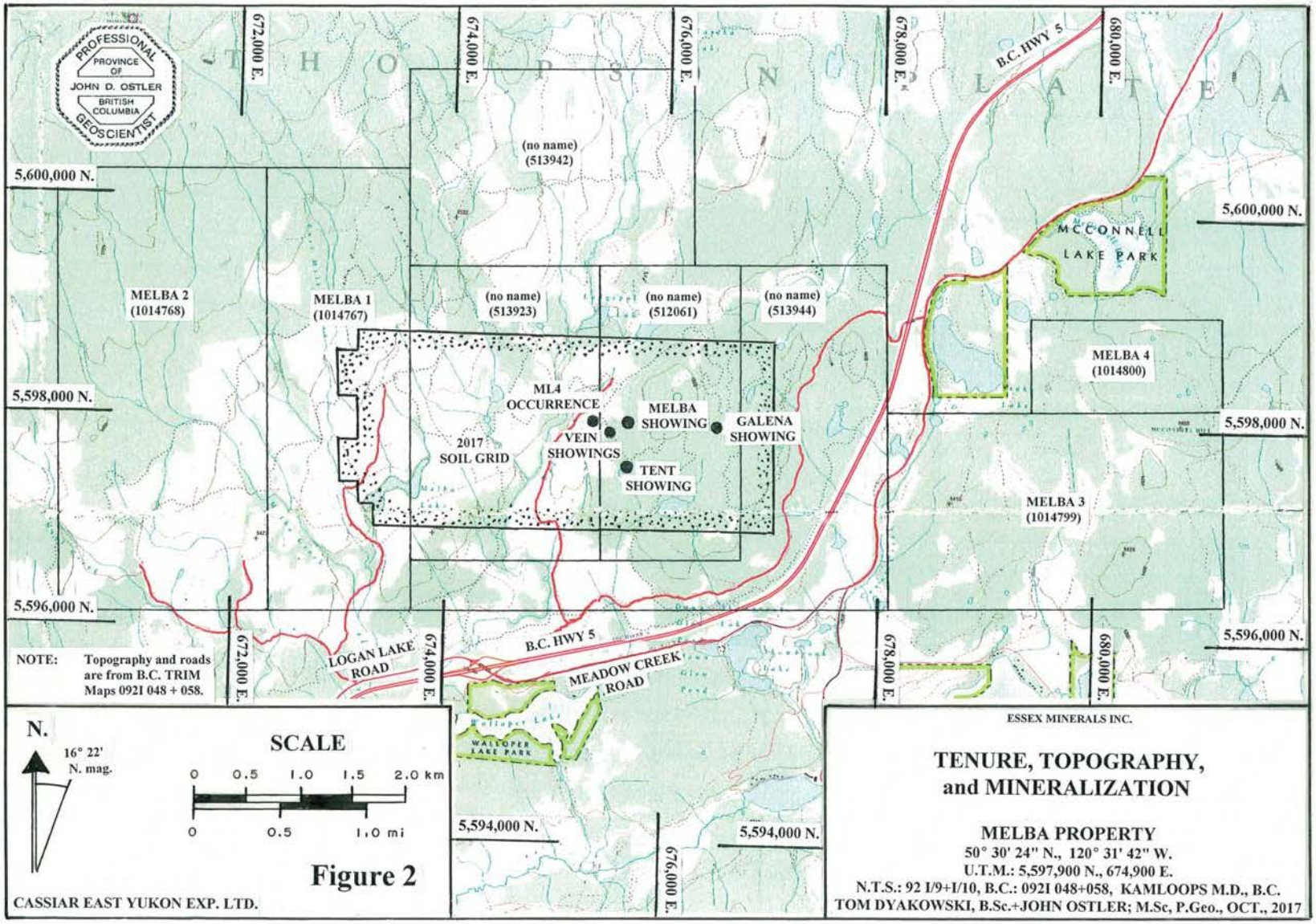
CASSIAR EAST YUKON EXP. LTD.

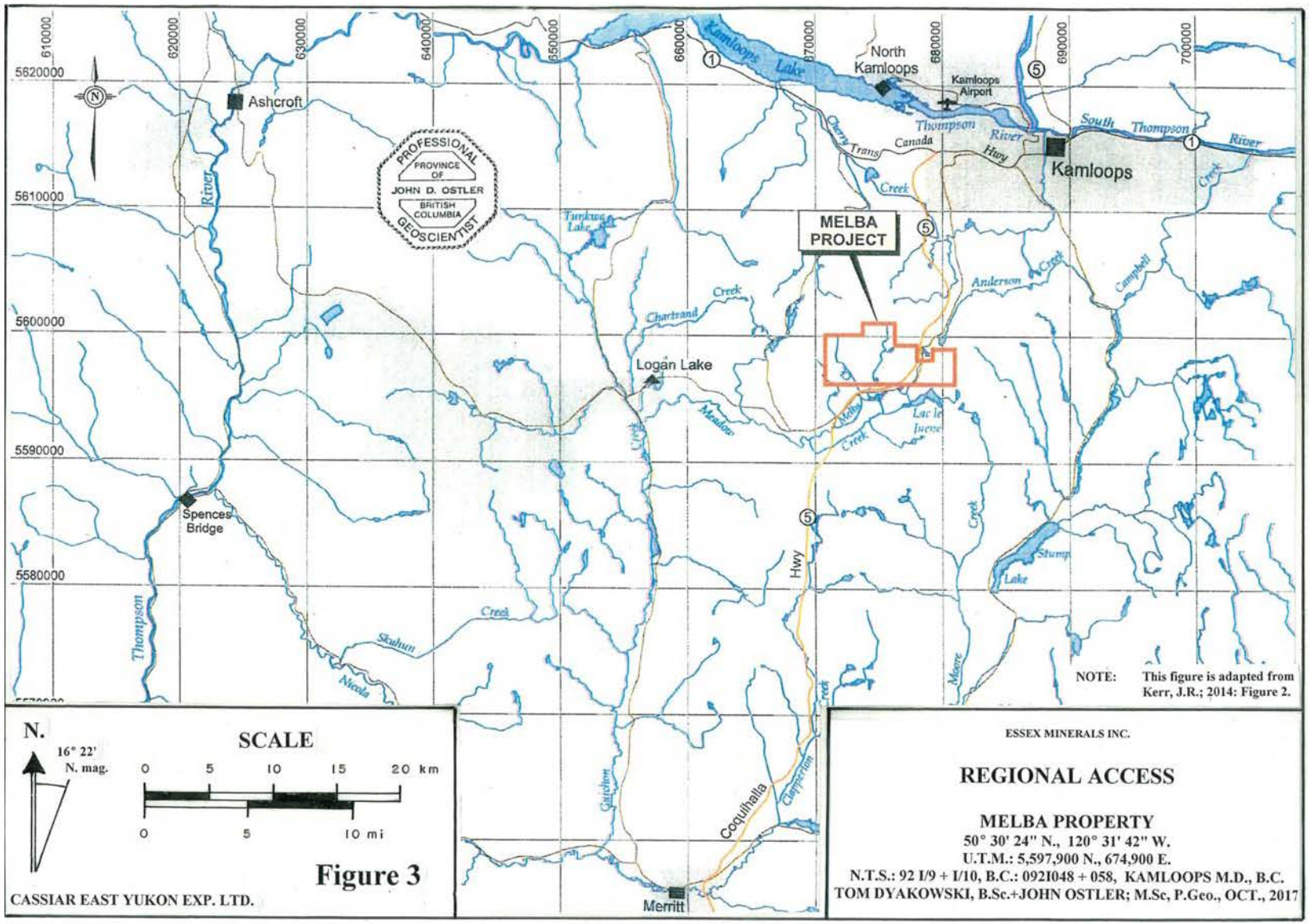
ESSEX MINERALS INC.

GENERAL LOCATION

MELBA PROPERTY

50° 30' 24" N., 120° 31' 42" W.
U.T.M.: 5,597,900 N., 674,900 E.
N.T.S.: 92 I/9 + I/10, B.C.: 092I048 + 058, KAMLOOPS M.D., B.C.
TOM DYAKOWSKI, B.Sc.+JOHN OSTLER; M.Sc, P.Geo., OCT., 2017


PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
JOHN D. OSTLER
672,000 E.
674,000 E.
676,000 E.
678,000 E.
680,000 E.
5,600,000 N.
5,598,000 N.
5,596,000 N.
5,594,000 N.
(no name) (513942)
MELBA 2 (1014768)
MELBA 1 (1014767)
(no name) (513923)
(no name) (512061)
(no name) (513944)
ML4 OCCURRENCE
MELBA SHOWING
GALENA SHOWING
VEIN SHOWINGS
2017 SOIL GRID
TENT SHOWING
MELBA 4 (1014800)
MELBA 3 (1014799)
MCCONNELL LAKE PARK
B.C. HWY 5
LOGAN LAKE ROAD
MEADOW CREEK ROAD
WALLOPER LAKE PARK
NOTE: Topography and roads are from B.C. TRIM Maps 0921 048 + 058.
N.
16° 22' N. mag.
SCALE
0 0.5 1.0 1.5 2.0 km
0 0.5 1.0 mi
Figure 2
CASSIAR EAST YUKON EXP. LTD.
ESSEX MINERALS INC.
TENURE, TOPOGRAPHY, and MINERALIZATION
MELBA PROPERTY
50° 30' 24" N., 120° 31' 42" W.
U.T.M.: 5,597,900 N., 674,900 E.
N.T.S.: 92 I/9+I/10, B.C.: 092I 048+058, KAMLOOPS M.D., B.C.
TOM DYAKOWSKI, B.Sc.+JOHN OSTLER; M.Sc, P.Geo., OCT., 2017


610000
620000
630000
640000
650000
660000
670000
680000
690000
700000
5620000
5610000
5600000
5590000
5580000
Ashcroft
Kamloops Lake
North Kamloops
Kamloops Airport
Thompson River
South Thompson River
Kamloops
Trans Canada Hwy
Thompson River
Turtuga Lake
MELBA PROJECT
Chartrand Creek
Logan Lake
Anderson Creek
Campbell Creek
Meadow Creek
Lac le Jeune
Spences Bridge
Hwy 5
Stump Lake
Thompson
Skuhun Creek
Nicola
Moore Creek
Guichon Creek
Coquihalla
Clapperton Creek
Merritt
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
JOHN D. OSTLER
GEOSCIENTIST
N.
16° 22'
N. mag.
SCALE
0 5 10 15 20 km
0 5 10 mi
Figure 3
CASSIAR EAST YUKON EXP. LTD.
NOTE: This figure is adapted from Kerr, J.R.; 2014: Figure 2.
ESSEX MINERALS INC.
REGIONAL ACCESS
MELBA PROPERTY
50° 30' 24" N., 120° 31' 42" W.
U.T.M.: 5,597,900 N., 674,900 E.
N.T.S.: 92 I/9 + I/10, B.C.: 092I048 + 058, KAMLOOPS M.D., B.C.
TOM DYAKOWSKI, B.Sc.+JOHN OSTLER; M.Sc, P.Geo., OCT., 2017

There is no aboriginal reserve or homeland on or adjacent with the property.

John Kerr discussed the influence of private land on the Melba property as follows:

> Surface rights do not directly affect the property. The Lac La Jeune cross-country ski lodge is located 1.5 km (0.9 mi) south of the property, and several private lots exist on the lake shore. There are private lots on Walloper Lake, located 500 m (1,640 ft) southwest of the property. Areas around Stake Lake and McConnell Lake are designated as protected areas and are not available for claim location.
>
> Kerr, J.R.; 2014: p. 2.

1.3 Accessibility, Climate, Local Resources, Infrastructure, and Physiography

Elevations of the Melba property range from 1,540 m (5,052 ft) near the microwave tower atop the low hill in the central part of the (no name) (512061) claim, down to 1,298 m (4,258.5 ft) where the southern boundary of the (no name) (513944) claim crosses Cowan Creek near Lac La Jeune.

Adequate fresh water for a mining operation would have to be developed from local creeks and lakes near the property.

The Melba property hosts a second-growth forest comprised mostly of pine, spruce, fir, aspen, and cottonwood trees which is in various states of growth. Most of the property area has been clear cut recently. The main target on the Melba property is a large-tonnage, low-grade deposit that would be mined in an open pit; thus, timber supply is irrelevant to this property.

Terrain in the claim-area is subdued and rock exposure is sparse. Till cover on the Melba property is thin and soil profiles are sufficiently well-developed for traditional, total metal ion soil geochemical surveys to be successful in identifying areas of anomalous metal concentrations.

The Lac La Jeune area experiences cold, moderately dry winters and hot, dry summers. Winter snow falls in the property area by November and stays on the ground until April. During a normal year, ground field work can be conducted from May until November.

Road access instructions are as follow (Figures 2 and 3):

Proceed along B.C. Highway 5 (the Coquahalla highway) to the Logan Lake-Lac La Jeune interchange which is located between Kamloops and Merritt (Figure 3). To access the eastern part of the Melba property turn off from Highway 5 southeastward onto Meadow Creek Road. Proceed along Meadow Creek Road for

4.8 km (2.9 mi) to near a small lake. At the lake turn left onto the road that goes beneath the highway. Follow that road for 0.8 km (0.5 mi) up the hill to an intersection at the hill top. Turn left onto the forestry road at the intersection and follow it onto the eastern part of the Melba property.

To access the western part of the Melba property, turn off from Highway 5 northwestward onto the road to Logan Lake and proceed along it for about 1.25 km (0.76 mi). There, turn right (northward) onto the forestry road. A system of logging roads that assess the western part of the property area emanate from that road.

Power is being generated for the small community of Lac La Jeune located just south of the Melba property. However, insufficient power is available there to service a mine. Either power would have to be generated at a mine site or it could be transmitted into the property area from a remote location.

The city of Kamloops, located on B.C. Highways 1 and 5 about 35 km (21.3 mi) northeast of the property, is the nearest regional service and supply centre. Kamloops has services necessary to support a mining operation (Figure 3).

2.0 HISTORY

In his Technical Report on the Melba property for Essex Minerals Inc., J.R. Kerr (2014) described the previous exploration on the property as follows:

> Extensive mineral exploration has been carried out in the Kamloops-Ashcroft-Merritt area over the past 100 years. The first recorded exploration on the Melba property was in the early 1970s. However, several old hand dug pits have been found on the property indicating prospecting in earlier years.
>
> **1970-1971:** Canadian Johns-Mannville Company, Limited carried out an exploration program on the eastern portion of the property. This work program consisted of grid preparation, electromagnetic and magnetic geophysical surveying, eight line miles of induced polarization surveying, collection of 1,084 soil and 98 twig samples (ash) and two diamond drill holes, totaling 458 meters. The objective of the drilling was to test molybdenum soil and biogeochemical anomalies. The drill results indicated only anomalous contents of molybdenum.
>
> **1976-1978:** Cominco Ltd. carried out extensive work programs on the claim area. The area was staked to explore a previously unrecognized alkaline stock, similar to the Iron Mask batholith. A sulphide zone, consisting of mainly pyrite, with traces of chalcopyrite, was discovered in an area of extensive overburden. Cominco's programs consisted of a 71 kilometer (43.3 mi) magnetic survey, geological mapping, prospecting and induced polarization surveying, delineating eight chargeability anomalies.

1987-1994: Afton Operating Company staked the ground in 1987 and completed exploration consisting of soil geochemical surveying, percussion drilling, consisting of twelve holes totaling 840 meters (2,756 ft) and diamond drilling, consisting of three holes totaling 384 meters (1,260 ft). The objective of the drilling was to test potential porphyry copper targets. Results indicated anomalous to threshold values of copper, similar in nature to Afton style mineralization.

1995-2001: The area was staked by Grant F. Crooker in 1995. Walloper Gold Resources Corporation optioned the property in 1996. The company conducted geological, geochemical, and geophysical (magnetic and EM) surveys over the entire property. In 2001, seven trenches were excavated, collecting 217 rock chip samples and 11 diamond drill holes totaling 484.6 meters (1,590 ft) were drilled on the Melba and Tent showings. Samples indicated anomalous values of copper, silver and gold, however alteration and pyrite mineralization are described as strong and widespread.

2008-2010: HTI Venture Corp. optioned the property in 2008, and completed 8 diamond drill holes, totaling 780.7 meters (2,561 ft) on the Melba and Tent showings later in the same year. Samples indicated anomalous gold, silver and copper values.

2013-2014: Essex Minerals Inc. completed a 702 km (428,2 mi) airborne geophysical survey in January 2013 and a 10 km (6.1 mi) ground geophysical survey in March, 2014.

In total, historical records indicate 33 holes have been drilled on the property, totaling 2,563 meters (8,409 ft), 9 of these holes were percussion (840 m or 2,756 ft) and 24 were diamond drill (1,723 m or 5,653 ft) holes. The nature and size of diamond drill cores obtained from these programs vary in size from NQ (2" or 5.1 cm diam) to HQ (2.5" or 6.35 cm diam). The data is compiled in several referenced assessment reports. 14 of the diamond drill holes were drilled in the vicinity of the Melba showing, 8 were drilled in the vicinity of the Tent showing and 2 were drilled in the extreme eastern portion of the property following up Mo geochemical anomalies. The percussion drill holes tested geochemical targets in the northern and southern areas of the claims, in areas of deep overburden.

Kerr, J.R.; 2014: pp. 4-5.

S.J. Balch interpreted the results of 2013 airborne survey over the Melba property as follows:

... There is a good general correlation between the intrusions in the Nicola volcanics and the higher amplitude TMI (total magnetic intensity measurements) (Figure 4). Correlation between TMI and the Clapperton fault is less clear, however, and may suggest that the intrusion is not fault bounded but is located entirely within the volcanics.

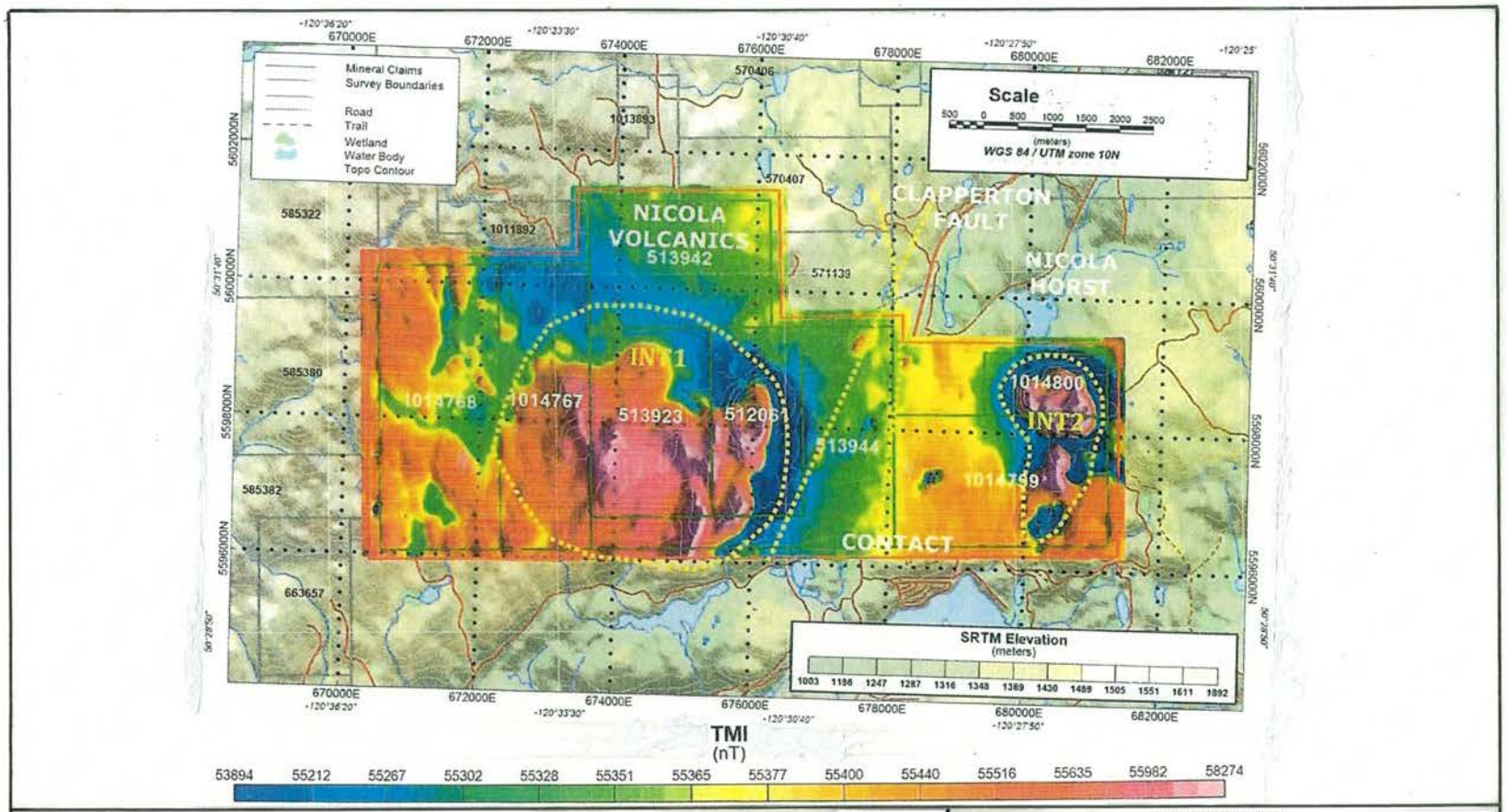
Figure (4) shows a re-interpreted geologic contact map that is based on the TMI ... The Nicola volcanics on the western side of the property are intruded by a feature that is also coincident with most of the surface showings. This intrusion (INT1) is quite large (over 3 km (1.83 mi) in diameter) and has a well-defined eastern margin. The Clapperton fault is also defined as a linear feature (more topographic than magnetic).

The contact between the Nicola volcanics and the Nicola Horst appears almost north-south based on the TMI. Farther to the east (east of the fault and within the Nicola Horst) there is a distinct magnetic feature that is also interpreted as an intrusion (INT2) (Figure 4). This feature is also visible as a topographic high on Google Earth and extends to the south-southwest with less topographic relief.

The main contact between the Nicola volcanics (west) and the Nicola Horst (east) is derived from a subtle change in the background level of the TMI and likely results from a change in bulk susceptibility of the host rocks. This contact is interpreted to be almost north-south.

> The intrusion within the Nicola Horst (INT2) (Figure 4) is derived from the outline of the ASIG (shaded image of the computed vertical magnetic gradient) ... and is confirmed from a Google Earth image (and the topographic contours) that reveal the feature as an outline of higher elevation.
>
> The main surface showings are located within the Nicola volcanics (and intrusions) and appear to cross-cut the main intrusion (INT1) along magnetic linear features generally in areas of lower relative elevation ...
>
> The main showings are defined with a north-south (186° to 206°) strike and sub-vertical to steep dip (78°) to the east. The in-line magnetic gradient (ILMG Figure 5) has its maximum sensitivity to north-south structures (based on the east-west flight direction). From the ILMG image a number of north-south features appear to intersect the INT1 intrusion (see Figure 4).
> ...
>
> Farther to the east and within the Nicola Horst the INT2 intrusion also shows prominent north-south magnetic linear features ...
>
> The total count radiometrics ... is anomalous from the Clapperton fault where a natural break in the ASIG also occurs (Figure 5). Elevated radiometric counts extent to the east and end at the Nicola Horst intrusion INT2. This combination defines the INT1 and INT2 intrusions as low count in the radiometrics and high magnetic response. There are also a number of northeast trending radiometric lows which are topographic effects caused by water (which has a shielding effect on the radiometrics count) ...
>
> Balch, S.J.; 2013: pp. 22-23.

The results of the 2013 airborne survey were too coarse for S.J. Balch (previous) to be able to distinguish between Triassic to Jurassic-age curvilinear features visible in the two intrusions (Figure 4) and Cretaceous to Palaeocene northeasterly trending fault structures visible as radiometric lows (Figure 5) (Table 3).



N.

16° 22'
N. mag.

CASSIAR EAST YUKON EXP. LTD.

NOTE:
This figure is adapted from
Balch, 2013: Figure 15.

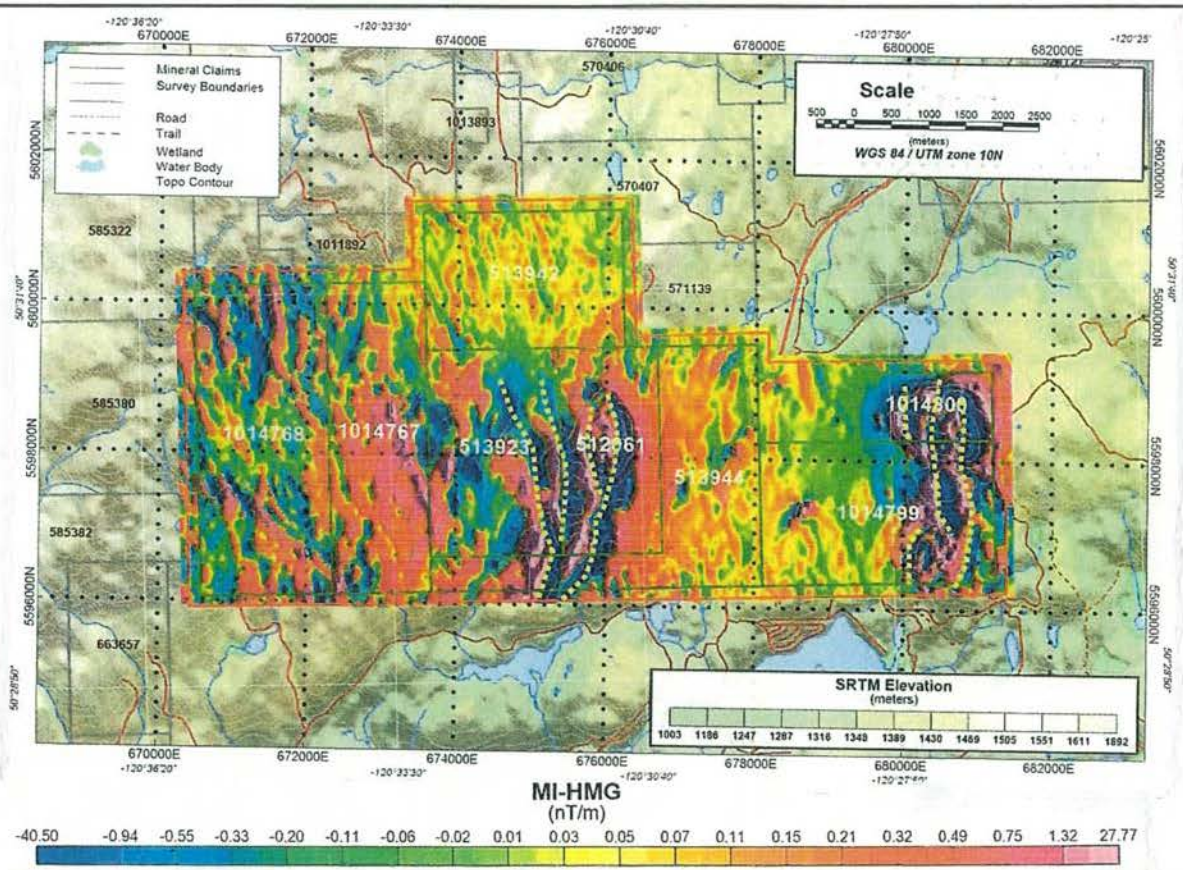
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
JOHN D. OSTLER
GEOSCIENTIST

Figure 4

ESSEX MINERALS INC.

2013 ESSEX AIRBORNE SURVEY: TOTAL MAGNETIC INTENSITY

MELBA PROPERTY
50° 30' 24" N., 120° 31' 42" W.
U.T.M.: 5,597,900 N., 674,900 E.
N.T.S.: 92 I/9+I/10, B.C.: 092I 048+058, KAMLOOPS M.D., B.C.
TOM DYAKOWSKI, B.Sc.+JOHN OSTLER; M.Sc, P.Geo., OCT., 2017



N.

16° 22'
N. mag.

CASSIAR EAST YUKON EXP. LTD.

NOTE:
This figure is adapted from
Balch, 2013: Figure 20.

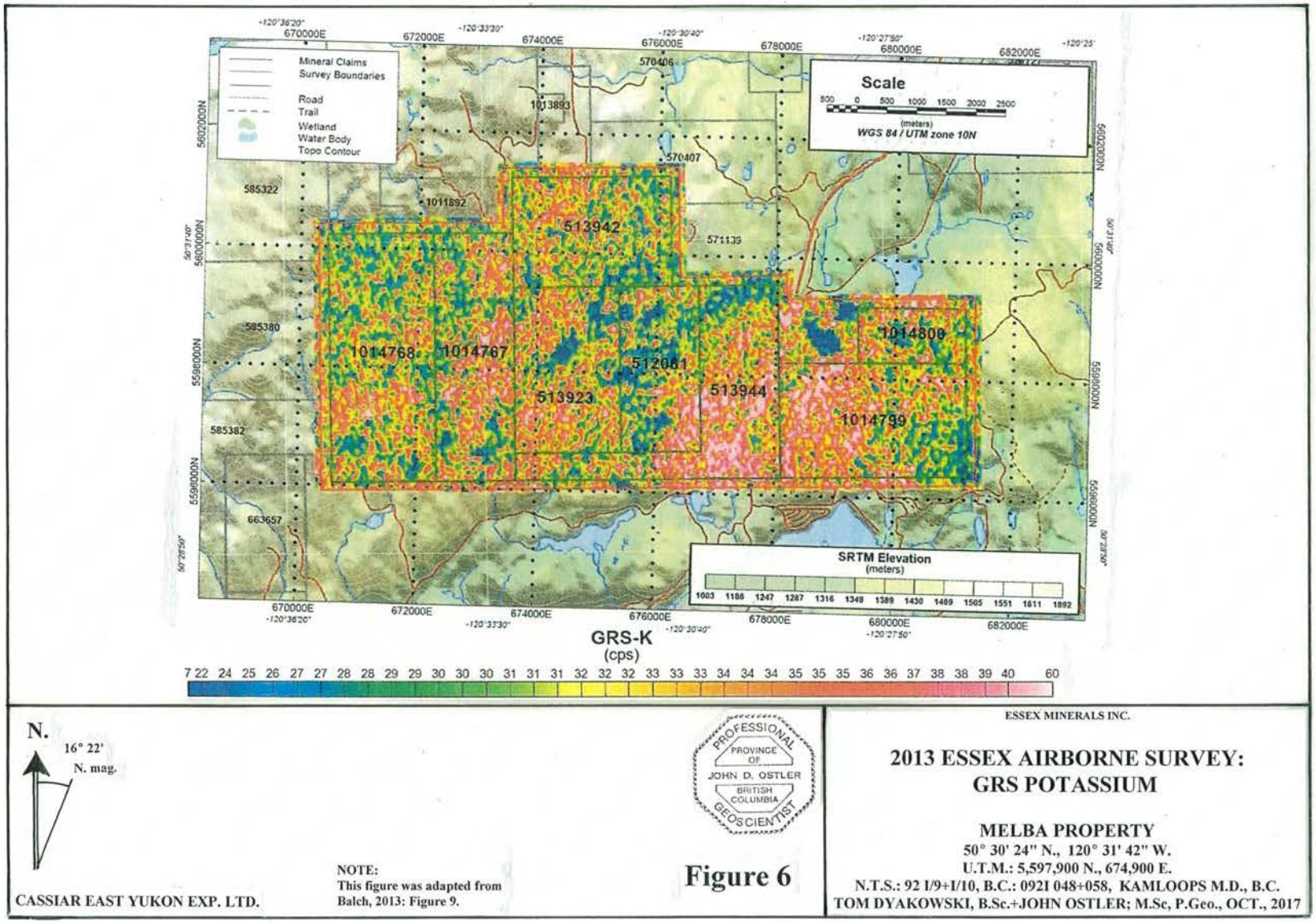
PROFESSIONAL
PROVINCE OF
JOHN D. OSTLER
BRITISH COLUMBIA
GEOSCIENTIST

Figure 5

ESSEX MINERALS INC.

2013 ESSEX AIRBORNE SURVEY: IN-LINE MAGNETIC GRADIENT

MELBA PROPERTY
50° 30' 24" N., 120° 31' 42" W.
U.T.M.: 5,597,900 N., 674,900 E.
N.T.S.: 92 I/9+I/10, B.C.: 092I 048+058, KAMLOOPS M.D., B.C.
TOM DYAKOWSKI, B.Sc.+JOHN OSTLER; M.Sc, P.Geo., OCT., 2017



N.

16° 22'
N. mag.

CASSIAR EAST YUKON EXP. LTD.

NOTE:
This figure was adapted from
Balch, 2013: Figure 9.

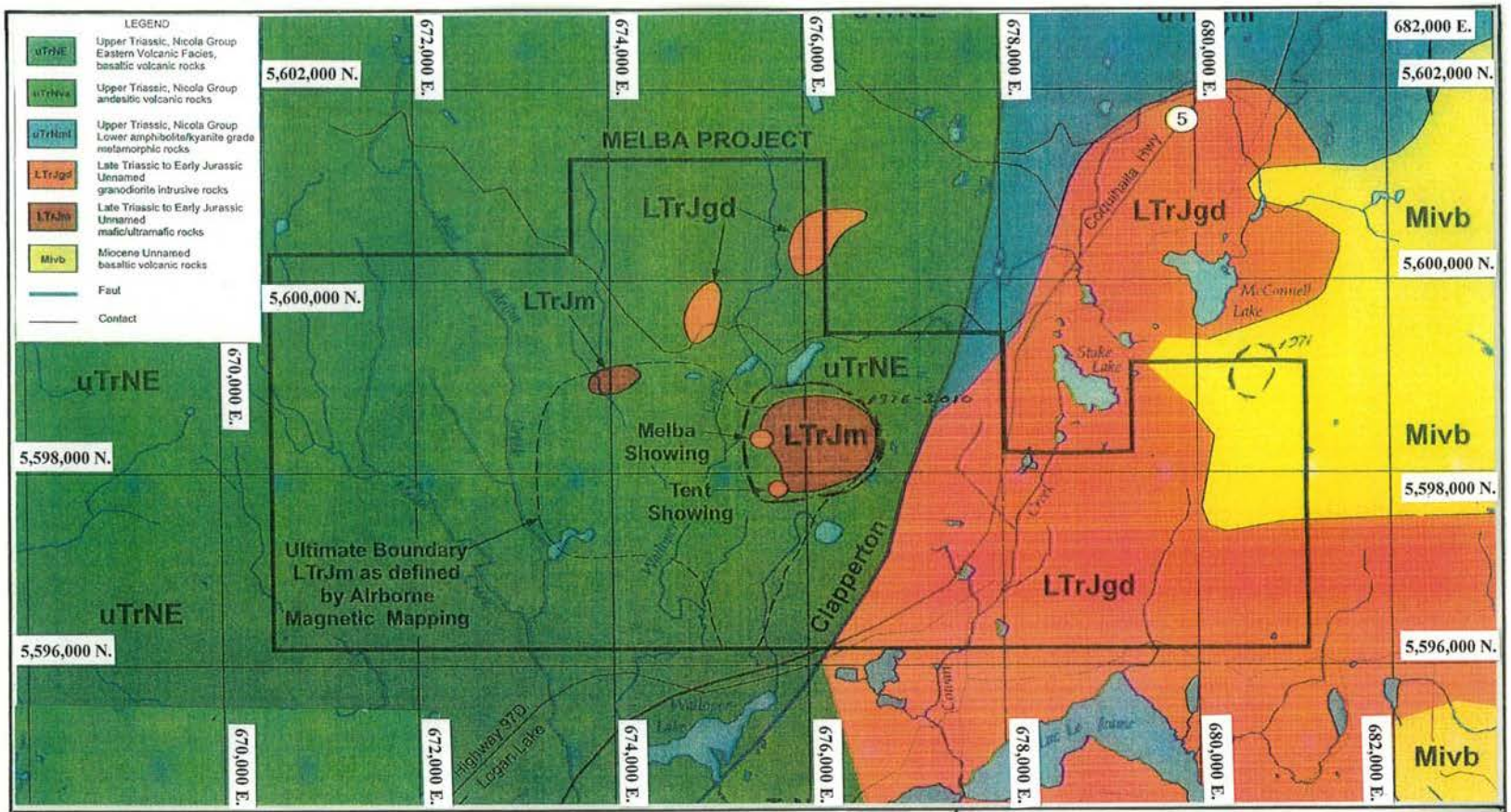
PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
JOHN D. OSTLER

Figure 6

ESSEX MINERALS INC.

2013 ESSEX AIRBORNE SURVEY: GRS POTASSIUM

MELBA PROPERTY
50° 30' 24" N., 120° 31' 42" W.
U.T.M.: 5,597,900 N., 674,900 E.
N.T.S.: 92 I/9+I/10, B.C.: 092I 048+058, KAMLOOPS M.D., B.C.
TOM DYAKOWSKI, B.Sc.+JOHN OSTLER; M.Sc, P.Geo., OCT., 2017



N.

16° 22' N. mag.

SCALE

0 0.5 1.0 1.5 2.0 2.5 3.0 km

0 0.5 1.0 1.5 2.0 mi

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA JOHN D. OSTLER GEOSCIENTIST

NOTE:
This figure was adapted from Kerr, 2014: Fig. 4.

Figure 7

CASSIAR EAST YUKON EXP. LTD.

ESSEX MINERALS INC.

REGIONAL and PROPERTY GEOLOGY

MELBA PROPERTY
50° 30' 24" N., 120° 31' 42" W.
U.T.M.: 5,597,900 N., 674,900 E.
N.T.S.: 92 I/9+I/10, B.C.: 092I 048+058, KAMLOOPS M.D., B.C.
TOM DYAKOWSKI, B.Sc.+JOHN OSTLER; M.Sc, P.Geo., OCT., 2017

3.0 GEOLOGICAL SETTING

3.1 Regional Geology

The geology of the Lac La Jeune area was described by J.R. Kerr (2014) as follows:

> The Melba Project property lies within the Intermontane Belt of the Canadian Cordillera and is part of the Quesnellia Plate, consisting on volcanic and intrusive rocks that range in age from Triassic to Miocene. The main structural feature on the property is the Clapperton fault, which is a northeast trending structure that separates the Triassic Nicola Group volcanic rocks to the west and the Jurassic intrusive and metamorphic rocks to the east. The eastern portion is referred to as the Nicola Horst, a complex of metamorphic Nicola Group rocks and intrusions. The metamorphic rocks are amphibolites, foliated diorite, mylonite and chlorite schist. The intrusive rocks are granodiorite quartz diorite, quartz monzonite, gabbro and ultramafic rocks (dunite, wherlite, pyroxenite). The western portion is the Nicola Group of volcanic rocks, consisting of intermediate to mafic breccias and tuffs containing augite. The volcanic rocks of the Nicola Group have been intruded by gabbro and granodiorite. The overlapping rocks are Miocene basalts. Thick accumulations of unconsolidated overburden cover much of the Melba Project property area.
>
> Kerr, J.R; 2014: p. 6.

A table of geological events and lithological units around the Lac La Jeune area and the Melba property is as follows:

Table 3
Table of Geologic Events and Lithologic Units in the Lac La Jeune Area

Time	Formation or Event
Recent 0.01-0 m.y.	**Valley rejuvenation**: Down cutting of stream gullies through till, development of soil profiles.
Pleistocene 1.6-0.01 my.	**Glacial erosion and deposition:** Removal of Tertiary-age regolith, deposition of till and related sediments at lower elevations, smoothing of the Tertiary-age land surface.
Miocene to Pliocene 23.8-1.5 m.y.	**Intrusion of olivine basalt dykes** into volcanic stratigraphy in the northwestern part of the property-area
Eocene to Pliocene 57.1-1.6 m.y.	**Erosion, and unroofing of the rocks, incision of the land surface:**
Eocene 56.5-35.4 my.	**Tensional faulting:** Deposition of the Kamloops Group flood basalt on the erosional surface
Late Cretaceous to Eocene 97-57.1 m.y.	**Disruption of stratigraphy by northerly trending transcurrent faults, onset of regional erosion.** **MINERALIZATION: intrusion of low-sulphide gold-bearing quartz veins into Nicola Group stratigraphy at the Melba and Tent showings and at the ML4 occurrence.**
Early to Middle Cretaceous 146-97 m.y.	**Thrust and transcurrent faulting, and deformation of the Cache Creek terrane: Movement along the Clapperton fault on the Melba property**
Early Jurassic to Middle Cretaceous 200-130 m.y.	**Columbian Orogeny:** **Deformation of Cache Creek rocks in a northeastward dipping subduction zone, accretion of Nicola Group rocks to North America:** progressive deformation and regional metamorphism, overriding of Cache Creek and Quesnel terrain rocks onto Kootenay Arc strata, intense deformation, uplift, regional metamorphism. The orogeny progressed from east to west. Greenschist metamorphism of the western domain on the Melba property. Amphibolite grade metamorphism of the Nicola Horst in the eastern domain of the Melba property.
Late Triassic 209.6-200 m.y.	**Deposition of the Nicola Group, and associated alkalic intrusions:** mafic volcanics, associated sediments, and coeval dioritic sub-volcanic intrusions cut by monzonitic to dioritic stocks in an island arc environment. **MINERALIZATION: development of Alkalic porphyry copper-gold deposits in hydrothermal systems. Development of alteration and copper soil anomalies on the Melba property**
	m.y. = million years ago

NOTE: Data for this table was compiled by the author from various sources.

3.2 Property Geology

The geology of the Melba property was described in detail by J.R. Kerr (2014) as follows:

The Melba property surface geology is shown on Figure 4. Outcrop ... is generally sparse and exists along some logging roads and in areas of higher relief. The property is mainly covered with accumulations of (up to 40 meters or 131 ft) of overburden and glacial till.

The principal rock types underlying the property are the eastern facies volcanic and minor sediments of the Triassic Nicola Group. Rocks are an irregular zoned schistose tuff unit, grey to green in colour. Thin section studies indicate the rock to be made up of a very fine-grained, foliated mixture of biotite, quartz-carbonate, muscovite (sericite) and minor alkali feldspar. The foliation within the tuff unit is predominately north-south. A secondary rock of th Nicola Group is a grey to green, carbonate-silica altered sedimentary unit. It is an aphanitic, light grey-green to beige rock that occasionally has a breccia texture and shows variable alteration varying from strong silicification to strong carbonate alteration. A lapilli tuff unit is a grey to grey-green weakly foliated tuff that has been logged in drill core.

The intrusive rocks on the Melba Project property range in age from Late Triassic to Early Jurassic. The Late Triassic calc-alkalic quartz diorite intrusion is a coarse-grained, grey metamorphosed intrusion and intrudes Nicola Group rocks along the eastern boundary of the property, east of the Clapperton fault and within the Nicola Horst.

The smaller Late Triassic? Early Jurassic alkalic intrusions, located on the west side of the Clapperton fault, have a variable composition range from gabbro to diorite to monzonite to Chalcedonic quartz breccia. From geological mapping, the main intrusion appears to be some 1.5-2 square kilometers (0.56 to 0.74 mi^2) in area and is located in the central portion of the property. Interpretation of the airborne magnetic data (Figures 4 and 5) suggests that this intrusion in much larger than mapped (extending to the west in areas of overburden), having a possible surface area of 12 square kilometers (4.5 mi^2). The intrusion appears as a fine to coarse-grained, dark green gabbroic/dioritic rock, with saussuritized matrix of sericite and epidote. The finer grained rock is a dark green gabbro with minor saussuritization of feldspar. Most of the intrusion is strongly magnetic, containing varying concentrations of magnetite. Accompanying the widespread sericite, epidote, and saussuritized alteration are zones of strong secondary silicification, with 5-50% quartz veinlets. These are more common along the intrusive contact.

The diorite, occurring as small stocks, is a grey-green homogeneous fine-medium grained intrusive rock, containing weak propylitic alteration consisting of pyrite, epidote and chlorite. The plagioclase feldspars are commonly saussuritized. The monzonite occurs is a medium-grained leucocratic intrusive rock composed of alkali feldspar and minor mafic minerals. The monzonite occurs in outcrop on the west of the north grid and on the south grid, and has been found as float in the southern area of the claims.

The chalcedonic quartz breccia in an intrusive and/or a structural-related feature, consisting of fine-grained carbonate, intergrown with minor fine-grained chalcedonic quartz, chlorite and scattered detrital grains of quartz. The breccia is cut by well-defined network of fine-grained quartz and minor carbonate veinlets.

Overlying all rocks are Miocene basalts. The dominant areas of these are in the north-eastern corner of the claims covering the Triassic calc-alkalic granodiorite. Drilling through the Tertiary volcanic rocks (1971) indicate thickness of 150-250 metres (492 to 820 ft). They are exposed as a fine-grained basalt flow sequence, with some evidence of pillow lava.

The main structural feature transecting the Melba property in the N-S trending Clapperton fault in the eastern portion of the property. It divides the property into two geological terranes: to the west the claims are underlain by eastern facies Nicola volcanics intruded by alkali intermediate to basic intrusions. To the east of the fault, the claims are underlain by middle facies Nicola volcanics intruded by large calc-alkalic intermediate batholiths. The age of the fault is uncertain, however is believed to be early Tertiary.

Several smaller N-S trending structures have been mapped on the property, including the structural zone hosting the quartz breccia zone, which is associated with mineralized structures of the Melba Showing. Interpretation of airborne and ground magnetic data confirms the presence of these north/south structures, including the one hosting the main quartz breccia. The geophysical surveys have interpreted several other similar N-S trending lineaments, possibly being similar structures.

Kerr, J.R.; 2014: pp. 6-7.

3.3 Alteration and Mineralization on the Melba Property

The alteration on the Melba property reflects the Triassic to Palaeocene history of the stratigraphy and mineralization on the property.

During the Triassic Period, Nicola Group volcanic, sedimentary, and mafic to intermediate intrusive rocks were deposited in an island arc setting much like the Indonesia of today. The arc-trench setting was facilitated the development of alkalic copper-gold porphyry deposits with their surrounding potassic and propylitic alteration zones. Those porphyries tended to cluster near major deep structures along the island arc.

On the Melba property, A propylitic alteration zone is centred on the 2017 soil grid in the western geological domain of the property at about U.T.M.: 5,597,587 N., 674,276 E. (50° 30' 18" N., 120° 32' 32" W.) In the southwestern part of the 2017 soil grid and in the southern part of the (no name) (513923) claim. The alteration zone coincides with a roughly 4.29-km (2.61-mi) diameter circular magnetic feature that is defined in the 2013 aeromagnetic survey (Figures 4 and 5). The concentric lineations in the magnetic feature may represent cooling features in a mafic pluton that have been used as conduits for porphyry-related propylitic alteration.

The authors observed that propylitic alteration was less well developed in the mafic rocks in the eastern part of the 2017 grid area than in other parts of the grid. That may be due to the comparatively lower permeability of that rock to the introduction of alteration fluids.

The Columbian orogeny occurred during the Jurassic and Cretaceous periods. At that time rocks of

the western domain of the Melba property were subjected to greenschist metamorphism. Probably, saussuritization of feldspars in intrusions in that area occurred at that time. Rocks of the Nicola Horst located in the eastern domain of the Melba property were subjected to amphibolite grade regional metamorphism and local conversion to mylonite.

Later, during the Late Cretaceous Period and Palaeocene stage rock pressures and temperatures had decreased to result in an environment in which brittle deformation could be sustained. At that time movement on the Clapperton fault brought the two domains of the Melba property into their current positions adjacent with each other. Rocks in the western part of the property area were cut by a set of conjugate shears on which low-sulphide, gold-bearing quartz veins were deposited. Vein deposition was accompanied by silicification of adjacent wall rocks.

The B.C. Mineral Inventory (MINFILE) location of mineralization in the Melba property-area is as follows:

B.C. Mineral Inventory (MINFILE) No. 092INE 090
Location: 50° 30' 32" N. U.T.M.: 5,598,144 N.
120° 31' 24" W. 675,604 E.

The preceding location is about 100 m (328.1 ft) north of the Melba showing. The description is of all of the major gold-bearing vein showings in the current (2017) soil grid area on the (no name) (512061) claim. This MINFILE occurrence was last updated before 2012.

J.R. Kerr (2014) described the mineral showings in the 2017 soil grid area as follow:

1) <u>The Melba Showing:</u>

> The Melba showing was exposed in a series of trenches in the chalcedonic breccia ... One trench (35 X 10 metres or 115 X 30.5 ft) exposes 28 metres (91.8 ft) of the silicified breccia. The structure ranges three to five meters (9.8 to 16.4 ft), strikes northerly and dips 45° to 60° west. Fifteen channel samples, collected in 2008 from this trench, returned gold values averaging 53 ppb and ranging from 5 to >1000 ppb and silver averaged 0.6 ppm and ranged from 0.1 to 5.8 ppm (Botel, 2009). The showing is the most northern showing on the property, located at the northwestern end of the mine access road ...
>
> The presence of anomalous As and Hg in both samples and vuggy nature of quartz in (Kerr's two samples) confirm the nature of the Melba showing. The significance of relatively anomalous Mo is not understood.

2) The Tent Showing:

The Tent showing is located 350 meters (1,148 ft) south of the Melba showing and is exposed in a 38.5 meter (126-ft) trench as carbonate altered, Nicola Group. The fracturing in the trench exposure of the east section contains strong chlorite alteration and weak chalcedonic brecciation within a quartz vein stock-work. Pyrite and fuchsite are present in minor concentrations. The Tent showing sampling of bedrock in trenches returned gold values that ranged from 4 to 335 ppb (Botel, 2009) ...

3) The Vein Showing:

The Vein showing is located 100 metres (328 ft) southwest of the Melba showing. A poorly exposed outcrop of quartz and a significant amount of quartz vein float was found at the Vein showing. One sample of the quartz float gave a gold value of 775 ppb. Scattered pieces of quartz vein float have been found over a north-south strike length of 150 meters (492 ft). The outcrop of the vein showing varies from 30 to 70 centimeters (11.8 to 27.6 inches) wide, strikes 207° and appears to be vertical (Botel, 2009) ...

4) The Galena Showing:

The Galena showing is located approximately 700 meters (2,297 ft) east of the Melba showing as a chalcedonic breccia float-train having a significant having a significant amount galena bearing quartz vein in boulders. Most of the float occurs in a 400 square meter (4,306 ft^2) area. The pieces of quartz contain up to 3% galena with traces of pyrite and sphalerite. Selected float samples of the vein material gave assays up to 40 ppb gold, 94.2 ppm silver, 2 ppm arsenic, 30 ppm copper, >10000 ppm lead and 5901 ppm zinc (Botel, 2009) ...

Several other areas of exploration interest have been found as mineralized float. However deep overburden has limited the success of historical exploration. Float samples located by Cominco in the late 1970s are described to be typical Iron Mask type of copper/gold porphyry style mineralization. These samples have not been located in recent programs.

Kerr, J.R.; 2014: pp. 8-9.

The authors examined outcrops of breccia and gold-bearing veins at the Melba and Vein showings, at the ML4 occurrence, located 175 m (574 ft) west of the Melba (Figure 2), and boulder float at other locations across the 2017 soil grid area. John Ostler, one of the authors, opines that those gold-bearing structures are moderately high-level mesothermal structures.

Those structures had three phases of development. At the Melba showing, the first phase was the emplacement of breccia with mostly andesitic or basaltic clasts in a fine-grained grey-blue matrix. The matrix also hosted very small phenocrysts of orthoclase, plagioclase and quartz. At least some of the matrix in the Melba breccia may be very fine-grained quartz-feldspar porphyry with a composition resembling granite or soda granite. At the ML4 and other float occurrences the matrix of the first-phase breccia is coarser and its character

as quartz-feldspar porphyry is quite visible.

The second phase occurs as the development of pyrite and hematite bearing fractures in a seemingly random stockwork pattern. Iron-rich material has spread out into adjacent breccia. Alteration to limonite gives this phase a pervasive brown colour.

The third phase of development is of white quartz veins that may or may not contain small quantities of sulphide minerals. These are the veins that produced the gold-bearing intersections in historic drilling.

4.0 DEPOSIT TYPES SOUGHT ON THE MELBA PROPERTY

4.1 Alkalic Porphyry Copper-gold Deposit and Gold-bearing Quartz Veins

Two types of mineralization have been sought on the Melba property. They represent two very different economic targets. Alkalic porphyry copper and gold deposits are the primary economic target in the Nicola volcanic belt that surrounds the Lac La Jeune and Melba property area. In the past, some exploration was conducted in search of an alkalic porphyry deposit in the Melba property area. However, the discovery of gold-bearing shear-hosted veins on the property resulted in a change of focus to the veins. Essex Minerals Inc. is returning focus to the exploration of an alkalic porphyry, which has much greater economic potential than shear-hosted quartz veins.

Descriptions of both alkalic porphyry copper-gold deposits and gold-bearing quartz veins are included in this section in order to help distinguish the two types of mineralization.

Alkalic porphyry copper-gold deposits were described by Andre Panteleyev in Lefebure and Ray ed. (1995) as follows:

PORPHYRY Cu-Au: ALKALIC L03

IDENTIFICATION

SYNONYMS: Porphyry copper, porphyry Cu-Au, diorite porphyry copper.

COMMODITIES (*BYPRODUCTS*): Cu, Au (*Ag*).

EXAMPLES (British Columbia-*Canada/International*):

Iron Mask batholith deposits - Afton (092INE023), Ajax (092INE012, 013), Mt. Polley Cariboo Bell, (093A008), Mt. Milligan (093N196,194), Copper Mountain/Ingerbelle (092HSE001, 004), Galore Creek (104G090), Lorraine? (093N002); *Ok Tedi (Papua New Guinea); Tai Parit and Marian? (Philippines).*

NOTE: The bracketed number and letter designations in the above list are B.C. MINFILE deposit designations.

GEOLOGICAL CHARACTERISTICS

CAPSULE DESCRIPTION:

Stockworks, veinlets and disseminations of pyrite, chalcopyrite, bornite and magnetite occur in large zones of economically bulk-minable mineralization in or adjoining porphyritic intrusions of diorite to syenite composition. Mineralization is spatially, temporally and genetically associated with hydrothermal alteration of the intrusive bodies and hostrocks.

TECTONIC SETTING(S):

In orogenic belts at convergent plate boundaries, commonly oceanic volcanic island arcs overlying oceanic crust. Chemically distinct magmatism with alkalic intrusions varying in composition from gabbro, diorite and monzonite to nepheline syenite intrusions and coeval shoshonitic volcanic rocks, takes place at certain times in segments of some island arcs. The magmas are introduced along the axis of the arc or in cross-arc structures that coincide with deep-seated faults. The alkalic magmas appear to form where there is slow subduction in steeply dipping, tectonically thickened lithospheric slabs, possibly when polarity reversals (or 'flips') take place in the subduction zones. In British Columbia all known deposits are found in Quesnellia and Stikinia terranes.

DEPOSITIONAL ENVIRONMENT/GEOLOGICAL SETTING:

High-level (epizonal) stock emplacement levels in magmatic arcs, commonly oceanic volcanic island arcs with alkalic (shoshonitic) basic flows to intermediate and felsic pyroclastic rocks. Commonly the high-level stocks and related dikes intrude their coeval and cogenetic volcanic piles.

AGE OF MINERALIZATION:

Deposits in the Canadian Cordillera are restricted to the Late Triassic? Early Jurassic (215-180 Ma) with seemingly two clusters around 205-200 and ~ 185 Ma. In the southwest Pacific island arcs, deposits are Tertiary to Quaternary in age.

HOST/ASSOCIATED ROCK TYPES:

Intrusions range from fine through coarse-grained, equigranular to coarsely porphyritic and, locally, pegmatitic high-level stocks and dike complexes. Commonly there is multiple emplacement of successive intrusive phases and a wide variety of breccias. Compositions range from (alkalic) gabbro to syenite. The syenitic rocks vary from silica-undersaturated to saturated compositions. The most undersaturated nepheline normative rocks contain modal nepheline and , more commonly, pseudoleucite. The silica-undersaturated suites are referred to as nepheline alkalic whereas rocks with silica near-saturation, or slight silica oversaturation, are termed quartz alkalic (Lang et al., 1993). Coeval volcanic rocks are basic to intermediate alkalic varieties of the high-K basalt and shoshonite series and rarely phonolites.

DEPOSIT FORM:

Stockworks and veinlets, minor disseminations and replacements throughout large areas of hydrothermally altered rock, commonly coincident wholly or in part with hydrothermal or intrusion breccias. Deposit boundaries are determined by economic factors that outline ore zones within larger areas of low-grade, laterally zoned mineralization.

TEXTURE/STRUCTURE:

Veinlets and stockworks; breccia, sulphide and magnetite grains in fractures and along fracture selvages; disseminated sulphides as interstitial or grain and lithic clast replacements. Hydrothermally altered rocks can contain coarse-grained assemblages including feldspathic and calcsilicate replacements ('porphyroid' textures) and open space filling with fine to coarse, granular and rarely pegmatic textures.

ORE MINERALOGY (Principle and *subordinate*):

Chalcopyrite, pyrite and magnetite; bornite, chalcocite and *rare galena, sphalerite, tellurides, tetrahedrite, gold and silver*. Pyrite is less abundant than chalcopyrite on ore zones.

GANGUE MINERALOGY:

Biotite, K-feldspar and sericite; garnet, clinopyroxene (diopsidic) and anhydrite. Quartz veins are absent but hydrothermal magnetite veins are abundant.

ALTERATION MINERALOGY:

Biotite, K-feldspar, sericite, anhydrite/gypsum, magnetite, hematite, actinolite, chlorite, epidote and carbonate. Some alkalic systems contain abundant garnet including the Ti-rich andradite variety - melanite, diopside, plagioclase, scapolite, prehnite, pseudolucite and apatite; rare barite, fluorite, sodalite, rutile and late-stage quartz. Central and early formed potassic zones, with K-feldspar and generally abundant secondary biotite and anhydrite commonly coincide with ore. These rocks can contain zones with relatively high-temperature calcsilicate minerals diopside and garnet. Outward there can be flanking zones in basic volcanic rocks with abundant biotite that grades into extensive, marginal propylitic zones. The older alteration assemblages can be overprinted by phyllic sericite-pyrite and, less commonly, sericite-clay-carbonate-pyrite alteration. In some deposits, generally at depth in silica-saturated types, there can be either extensive or local zones of sodic alteration containing characteristic albite with epidote, pyrite, diopside, actinolite and rarer scapolite and prehnite.

ORE CONTROLS:

Igneous contacts, both internal between intrusive phases and external with wallrocks; cupolas and the uppermost bifurcating parts of stocks, dike swarms and volcanic vents. Breccias, mainly early formed intrusive and hydrothermal types. Zones of intensely developed fracturing give rise to ore-grade vein stockworks.

ASSOCIATED DEPOSIT TYPES:

Scarn copper (K01); Au-Ag and base metal bearing mantos (M01, M04), replacements and breccias in carbonate and non-carbonate rocks; magnetite-apatite breccias (D07); epithermal Au-Ag: both high and low sulphidation types (H04, H05) and alkalic, Te and F-rich epithermal deposits (H08); auriferous and polymetallic base metal and quartz-carbonate veins (01, I05); placer Au (C01, C02).

COMMENTS:

Subdivision of porphyry deposits is made on the basis of metal content, mainly ratios between Cu, Au and Mo. This is a purely arbitrary, economially based criterion; there are few differences in style of mineralization between the deposits. Differences in composition between the hostrock alkalic and calcalkalic intrusions and subtle, but significant, differences in alteration mineralogy and zoning patterns provide fundamental geologically based contrasts between deposit model types. Porphyry copper deposits associated with calcalkaline hostrocks are described in mineral deposit profile L04.

EXPLORATION GUIDES

GEOCHEMICAL SIGNATURE:

Alkalic cupriferous systems do not contain economically recoverable Mo (<100 ppm) but do contain elevated Au (> 0.3 gm/mt) and Ag (>2 gm/mt). Cu grades vary widely but commonly exceed 0.5% and rarely 1.0%. Many contain elevated Ti, V, P, F, Ba, Sr, Rb, Nb, Te, Pb, Zn, PGE and have high CO_2 content. Leaching and supergene enrichment effects are generally slight and surface outcroppings normally have little of the copper remobilized. Where present, secondary minerals are malachite, azurite, lesser copper oxide and rare sulphate minerals; in some deposits native copper is economically significant (e.g. Afton, Kemess).

GEOPHYSICAL SIGNATURE:

Ore zones, particularly those with high Au content, are frequently found in association with magnetite-rich rocks and can be located by magnetic surveys. Pyritic haloes surrounding cupriferous rocks respond well to induced polarization surveys. The more intensely hydrothermally altered rocks produce resistivity lows.

OTHER EXPLORATION GUIDES:

Porphyry deposits are marked by large-scale, markedly zoned metal and alteration assemblages. Central parts of mineralized zones appear to have higher Au/Cu ratios than the margins. Alkalic porphyry Cu deposits are found exclusively in Late Triassic and Early Jurassic volcanic arc terranes in which emergent subaerial rocks are present. The presence of hydrothermally altered clasts in coarse pyroclastic deposits can be used to locate mineralized intrusive centres.

ECONOMIC FACTORS

GRADE AND TONNAGE:

- Worldwide according to Cox and Singer (U.S. Geological Survey Open File Report 88-46, 1988) 20 typical porphyry Cu-Au deposits, including both calcalkaline and some alkalic types, contain on average:

  160 Mt with 0.55% Cu, 0.003% Mo, 0.38 g/t Au and 1.7 g/t Ag.
- British Columbia alkalic porphyry deposits range from < 10 to >300 Mt and contain from 0.2 to 1.5% Cu, 0.2 to 0.6 g/t Au and > 2 g/t Ag; Mo contents are negligible. Medial values for 22 British Columbia deposits with reported reserves (with a heavy weighting from a number of small deposits in the Iron Mask batholith) are: 15.5 Mt with 0.58% Cu, 0.3 g/t Au and >2 g/t Ag.

END USES:

Production of chalcopyrite or chalcopyrite-bornite concentrates with significant Au credits.

IMPORTANCE:

Porphyry deposits contain the largest reserves of Cu and close to 50% of the Au reserves in British Columbia; alkalic porphyry systems contain elevated Au values.

Panteleyev, Andre,
in:
Lefebure, D.V. and Ray, G.E.; 1995: pp. 83-86.

The gold-bearing vein structures like those occurring in the central part of the Melba property were described by Chris Ash and Dani Alldrick in; Lefebure Höy, ed. (1996) as follows:

Au-QUARTZ VEINS I01

IDENTIFICATION

SYNONYMS:

Mother Lode veins, greenstone gold, Archean lode gold, mesothermal gold-quartz veins, shear-hosted lode gold, low-sulphide gold-quartz veins, lode gold.

COMMODITIES (*BYPRODUCTS)*: Au (Ag Cu, *Sb*)

EXAMPLES (British Columbia (MINFILE #)-*Canada/International*):

- Phanerozoic: Bralorne-Pioneer (092JNE001), Erickson (104P029), Taurus (104P012), Polaris-Taku (104K003), Mosquito Creek (093H010), Cariboo Gold Quartz (093H019), Midnight (082FSW119); *Carson Hill, Jackson-Plymouth, Mother Lode district; Empire Star and Idaho-Maryland, Grass Valley district (California, U.S.A.); Alaska-Juneau, Jualin, Kennsington (Alaska, U.S.A.), Ural Mountains (Russia).*

- Archean: *Hollinger, Dome, McIntyre and Pamour, Timmins camp; Lake Shore, Kirkland Lake camp; Campbell, Madsen, Red Lake camp; Kerr-Addison, Larder Lake camp (Ontario, Canada); Granny Smith, Kalgoorlie and Golden Mile (Western Australia); Kolar (Karnataka, India); Blanket-Vubachikwe (Zimbabwe, Africa).*

NOTE: The bracketed number and letter designations in the above list are B.C. MINFILE deposit designations.

GEOLOGICAL CHARACTERISTICS

CAPSULE DESCRIPTION:

Gold-bearing quartz veins and veinlets with minor sulphides crosscut a wide variety of hostrocks and are localized along major regional faults and related splays. The wallrock is typically altered to silica, pyrite and muscovite within a broader carbonate alteration halo.

TECTONIC SETTINGS:

- Phanerozoic: Contained in moderate to gently dipping fault/suture zones related to continental margin collisional tectonism. Suture zones are major crustal breaks which are characterized dismembered ophiolitic remnants between diverse assemblages of island arcs, subduction complexes and continental-margin clastic wedges.

- Archean: Major transcrustal structural breaks within stable cratonic terranes. May represent remnant terrane collisional boundaries.

DEPOSITIONAL ENVIRONMENT / GEOLOGICAL SETTING:

Veins form within fault and joint systems produced by regional compression or transpression (terrane collision), including major listric reverse faults, second and third-order splays. Gold is deposited at crustal levels within and near the brittle-ductile transition zone at depths of 6-12 km, pressures between 1 to 3 kilobars and temperatures from 200° to 400° C. Deposits may have a vertical extent of up to 2 km, and lack pronounced zoning.

AGE OF MINERALIZATION:

Mineralization is post-peak metamorphism (i.e. late syncollisional) with gold-quartz veins particularly abundant in the late Archean and Mesozoic.

- Phanerozoic: In the North America Cordillerra gold veins are post-Middle Jurassic and appear to form immediately after accretion of oceanic terranes to the continental margin. In British Columbia deposits are mainly Middle Jurassic (~165-170 Ma and Late Cretaceous (~95 Ma). In the Mother lode belt they are Middle Jurassic (~150 Ma) and those along the Juneau belt in Alaska are of early Tertiary age (~56-55 Ma).

- Archean: Ages of mineralization for Archean deposits are well constrained for both the Superior Province, Canadian Shield (~2.68 to 2.67 Ga) and the Yilgarn Province, Western Australia (~2.64-2.63 Ga).

HOST/ASSOCIATED ROCK TYPES:

Lithologically highly varied, usually of greenschist metamorphic grade, ranging from virtually undeformed to totally schistose.

- Phanerozoic: Mafic volcanics, serpentinite, peridotite, dunite, gabbro, diorite, trondjemite/plagiographites, greywacke, argillite, chert, shale, limestone and quartzite, felsic and intermediate intrusions.

- Archean: Granite-greenstone belts - mafic, ultramafic (komaitiitic) and felsic volcanics, intermediate and felsic intrusive rocks, greywacke and shale.

DEPOSIT FORM:

Tabular fissure veins in more competent host lithologies, veinlets and stringers forming stockworks in less competent lithologies. Typically occur as a system of en echelon veins on all scales. Lower grade bulk-tonnage styles of mineralization may develop in areas marginal to veins with gold associated with disseminated sulphides. May also be related to broad areas of fracturing with gold and sulphides associated with quartz veinlet stockworks.

TEXTURE/STRUCTURE:

Veins usually have sharp contacts with wallrocks and exhibit a variety of textures, including massive, ribboned or banded and stockworks with anastomosing gashes and dilations. Textures may be modified or destroyed by subsequent deformation.

ORE MINERALOGY (Principal and *subordinate*):

Native Gold, pyrite, arsenopyrite, *galena, sphalerite, chalcopyrite, pyrrhotite, tellurides, scheelite, bismuth, cosalite, tetrahedrite, stibnite, molybdenite, gersdorffite (NiAsS), bismuthanite (Bi_2S_2), tetradymite (Bi_2Te_2S).*

GANGUE MINERALOGY (Principal and *subordinate*):

Quartz, carbonates (ferroan dolomite, ankerite, ferroan-magnesite, calcite siderite), *albite, mariposite (fuchsite), sericite, muscovite, chlorite, tourmaline, graphite.*

ALTERATION MINERALOGY:

Silicification, pyritization and potassium metasomatism generally occur adjacent to veins (usually within a metre) within broader zones of carbonate alteration, with or without ferroan dolomite veinlets, extending up to tens of metres from the veins. Type of carbonate alteration reflects the ferromagnesian content of the primary host lithology; ultramafic rocks-talc, Fe-magnesite; mafic volcanic rocks-ankerite, chlorite; sediments-graphite and pyrite; felsic to intermediate intrusions-sericite, albite, calcite, siderite, pyrite. Quartz-carbonate rock (listwanite) and pyrite are often the most prominent alteration minerals in the wallrock. Fuchsite, sericite, tourmaline and scheelite are common where veins are associated with felsic to intermediate intrusions.

WEATHERING:

Distinctive orange-brown limonite due to the oxidation of Fe-Mg carbonates cut by white veins and veinlets of quartz and ferroan dolomite. Distinctive green Cr-mica may also be present. Abundant quartz float in overburden.

ORE CONTROLS:

Gold-quartz veins are found within zones of intense and pervasive carbonate alteration along second order or later faults marginal to transcrustal breaks. They are commonly closely associated with, late syncollisional, structurally controlled intermediate to felsic magmatism. Gold veins are more commonly economic where hosted by relatively large, competent units, such as intrusions or blocks of obducted oceanic crust. Veins are usually at a high angle to the primary collisional fault zone.

- Phanerozoic: Secondary structures at a high angle to relatively flat-lying to moderately dipping collisional suture zones.

- Archean: Steep, transcrustal breaks; best deposits overall are inn areas of greenstone.

ASSOCIATED DEPOSIT TYPES:

Gold placers (C01,C02), sulphide manto Au (J04), silica veins (I07); iron formation Au (I04) in the Archean.

GENETIC MODEL:

Gold-quartz veins form in lithologically heterogeneous, deep transcrustal fault zones that develop in response to terrane collision. These faults act as conduits for CO_2-H_2O-rich (5-30 mol% CO_2), in low salinity (<3 wt % NaCl) aqueous fluids, with high Au, Ag, As, (+/-Sb, Te, W, Mo) and low Cu, Pb, Zn metal contents. These fluids are believed to be tectonically or seismically driven by a cycle of pressure build-up that is released by failure and pressure reduction followed by sealing and repetition of the process (Sibson et al., 1988). Gold is deposited at crustal levels within and near the brittle-ductile transition zone with deposition caused by sulphidation (the loss of H_2S due to pyrite deposition) primarily as the result of fluid-wallrock reactions, other significant factors may involve phase separation and fluid pressure reduction.

The origin of the mineralizing fluids remains controversial, with metamorphic, magmatic and mantle sources being suggested as possible candidates. Within an environment of tectonic crustal thickening in response to terrane collision, metamorphic devolitization or partial melting (anatexis) of either the lower crust or subducted slab may generate such fluids.

COMMENTS:

These deposits may be a difficult deposit to evaluate due to “nugget effect”, hence the adage, “Drill for structure, drift for grade”. These veins have also been mined in British Columbia as a source of silica for smelter flux.

EXPLORATION GUIDES

GEOCHEMICAL SIGNATURE:

Elevated values of Au, Ag, As, Sb, K, Li, Bi, W, Te, and B +/- Cd, Cu, Pb, Zn and Hg in rock and soil, Au in streams.

GEOPHYSICAL SIGNATURE:

Faults indicated by linear magnetic anomalies. Areas of alteration indicated by negative magnetic anomalies due to destruction of magnetite as a result of carbonate alteration.

OTHER EXPLORATION GUIDES:

Placer gold or elevated gold in stream sediment samples is an excellent regional and property-scale guide to gold-quartz veins. Investigate broad 'deformation envelopes' adjacent to regional listric faults where associated with carbonate alteration. Alteration and structural analysis can be used to delineate prospective ground. Within carbonate alteration zones, gold is typically only in areas containing quartz, with or without sulphides. Serpentinite bodies, if present, can be used to delineate favourable regional structures. Largest concentrations of free gold are commonly at, or near, the intersection of quartz veins with serpentinized and carbonate-altered ultramafic rocks.

ECONOMIC FACTORS

TYPICAL GRADE AND TONNAGE:

Individual deposits average 30,000 t with grades of 16 g/t Au and 2.5 g/t Ag (Berger, 1986) and may be as large as 40 Mt. Many major producers in the Canadian Shield range from 1 to 6 Mt at grades of 7 g/t Au (Thorpe and Franklin, 1984). The largest gold-quartz vein deposit in British Columbia is the Bralorne-Pioneer which produced in excess of 117, 800 kg of Au from ore with an average grade of 9.3 g/t.

ECONOMIC LIMITATIONS:

These veins are usually less than 2 metres wide and therefore, only amenable to underground mining.

IMPORTANCE:

These deposits are a major source of the world's gold production and account for approximately a quarter of Canada's output. They are the most prolific gold source after the ores of the Witwatersrand basin.

Ash, Chris and Alldrick, Dani,
in:
Lefebure, D.V. and Höy, Trygve ed.; 1996, pp. 53-56.

5.0 EXPLORATION

5.1 Procedures and Parameters of the Current (2017) Exploration Program

Total metal ion (traditional) soil geochemical survey was conducted over grid that covered 702 hectares (1,734 acres) on the no name (512061), (513923), and (513944) claims, and the MELBA 1 (1014767) claim (Figure 2). The soil grid comprised ten lines spaced 200 m (656.2 ft) apart for a total of 39.3 km (24 mi) of line. Lines were laid out along east-west U.T.M. grid lines using a Brunton Compass and hip-chain in areas of dense bush. In open areas, station locations could be established using GPS units.

Samples were taken at 50-m (164-ft) intervals along each line over the whole grid area. Fill-in samples were taken in four small areas (Figures 8 to 10). A total of 785 soil samples were taken from illuviated 'B' horizons and put into un-dyed kraft paper bags. They were dried for several days prior to transport to Bureau Veritas Commodities Ltd. in Vancouver, B.C. At the lab, they were analyzed using an induced coupled plasma

(ICP) technique. Methods of analysis and results form Appendix 'A' of this report. A table of sample locations and descriptions constitutes Appendix 'C'.

5.2 Results and Interpretation of the Current (2017) Exploration Program

Thresholds for zinc, copper, and gold in soils were contoured using the first and second positive standard deviations of the data (Figures 8 to 10) as follow:.

Table 4
Soil-metal Thresholds

Soil-metal threshold	Zinc ppm	Copper ppm	Gold ppb
Anomalous 2nd positive Standard. D. (excludes 97.5% of data)	99	99	49
Sub-anomalous 1st positive Standard D. (excludes 84% of data)	58	55	7

The results of the current (2017) soil survey confirm the existence of two sets of structures that contributed metal to rocks in the 2017 soil grid area in the western part of the Melba property. The distributions of three metals: zinc, copper, and gold were contoured because they demonstrate the addition and depletion of metal to the rocks in the survey area quite well (Figures 8 to 10).

Normally, when studying soil survey results, one is looking for distinct areas of anomalously high metal concentrations. In the 2017 Melba soil survey, zinc is important for the opposite reason, for its depletion.

There are two domains in the zinc distribution over the 2017 soil grid. In the western part of the grid area where till is moderately thick, zinc concentrations are quite low and not of much use for interpretation. In the eastern part of the grid area, mafic intrusive rocks are present beneath a thin to discontiguous layer of till. There, zinc concentrations in soils are an average of about 35 ppm. This is interpreted to be the background concentration of zinc in the intrusion (Figure 8). Within that area are several north-south trending zones of low soil-zinc concentration. Those may be related to leaching of zinc along a series of early curvilinear structures that developed during or shortly after emplacement of the mafic intrusion during the Late Triassic Period when the Quesnel Terrane was developing as an island arc system.

Like the distribution of zinc, the distribution of copper in soils is better defined in the eastern part of the grid area where till cover is thin. There, elevated soil-copper concentrations are associated with a series of north-south trending curvilinear structures that have been previously identified by the 2013 Essex airborne geophysical surveys (Figures 5 and 9). The mobilization of copper into the 2017 grid area along the early structures indicates that they may be related to the local development of a porphyry copper-gold system.

The distribution of soil-gold in the 2017 survey area is related to a series of late structures that form a classic "shatter" pattern which one would expect to see in the root zone of a manto system (Figure 10). They trend at 032-212° and at 320-140° and appear to form a conjugate shear set. From that orientation, it can be estimated that the greatest compressive stress was pressing in from 356° and 176°. The least compressive stress was roughly east-west and the medial compressive stress was nearly vertical.

The conjugate pattern of the late structures is best developed in the west-central part of the 2017 grid area. The late structures contain most of the elevated gold in the survey area. Whatever gold may have been introduced to the rocks in the 2017 survey area by the early structures has been masked by that associated by the late ones. There is only a moderate amount of overlap of the early and late structures and any such overlap seems to have been coincidental. The early structures were sealed and did not form significant conduits for the late structures.

The quartz-feldspar porphyry associated with mineralization along the late fractures tends to give them a calc-alkalic affinity, which further separates them from the early structures. The late structures are interpreted to have evolved during the Columbian Orogeny during the Late Cretaceous Period to the Palaeocene stage during development of the Shuswap Metamorphic Complex.

There are many examples of Cretaceous to Palaeocene-age overprinting of previous mineralization in south-central British Columbia. At the Alwin property which adjoins the Highland Valley mine property to the west, high grade chalcopyrite-chlorite veins overprint potassic alteration related to the main porphyry deposit. In the eastern part of Adams plateau on the Scotch Creek property, Cretaceous-age disseminated Broken Hill type mineralization overprints early Palaeozoic age Noranda-type massive sulphide beds. At Tinmilsh Lake near Aspen Grove, Triassic-age porphyry mineralization is surrounded by Cretaceous-age

copper-bearing quartz veins. One should not be surprised that there are more than one episode of mineralization on the Melba property.

5.3 Duration, Area, Location, Management, and Cost of the Current (2017) Exploration Program

Total metal ion (traditional) soil geochemical survey was conducted over grid that covered 702 hectares (1,734 acres) on the no name (512061), (513923), and 513944) claims, and the MELBA 1 (1014767) claim (Figures 8 to 10). Field work was conducted at the following times:

May 3, 2017:	property access investigation by C. Dyakowski and J. Ostler
May 22 to June 3, 2017	soil survey: C., T., and N., Dyakowski and Rod Smuland
August 10 to 16, 2017	soil survey: C., T., and N., Dyakowski
July 26 and 27, 2017:	property examination and investigation of areas of high soil-gold concentrations by T. and C. Dyakowski, and J. Ostler
May 4 to October 17, 2017:	research and production of this assessment report (intermittent)

A total of 97.75 person-days X 8 = 133.125 person-hours were spent exploring the property during the current (2017) program.

Table 5
Duration of the 2017 Exploration Program

Name	access survey	soil Survey	property exam + admin	Tspt.+ weather days	Data processing+ reporting	Totals
Tom Dyakowski, B.Sc. Vancouver, B.C.		16.00	2.00	5.00	4.00	27.00
John Ostler; M.Sc., P.Geo. West Vancouver, B.C.	1.00		2.00		12.75	15.75
Christopher Dyakowski, P.Geo., Vancouver, B.C.	1.00	14.00	2.00	5.00		22.00
Nick Dyakowski, B.A., Vancouver, B.C.		16.00				20.00
Rod Smuland Grand Forks, B.C.		11.00		2.00		13.00
Total person-days	2.00	57.00	6.00	12.00	16.75	97.75

Table 6
Contractors for the 2017 Exploration Program

Contractor	Activities
Max Investments Inc. 3750 West 49th Avenue, Vancouver, British Columbia,V6N 3T8 (604) 250-2844	Program development and management field work, research and reporting
Cassiar East Yukon Expediting Ltd. 1015 Clyde Avenue West Vancouver, British Columbia V7T 1E3 (604) 926-8454	Field work, research and reporting
Bureau Veritas Commodities Canada Ltd. 9050 Shaughnessy Street, Vancouver, British Columbia V6P 6E5 (604) 253-3158	Analysis of soil samples
Western Technical Supply Company Limited 845 West 15th Street North Vancouver, British Columbia V7P 1M5 (604) 986-2391	Photocopy, map scaling scanning and copy

Table 7
Value of the 2017 Exploration Program

Item		
Wages:		
Tom Dyakowski, B.Sc., 27 days @ $300/day	$ 8,100.00	
John Ostler; M.Sc., P.Geo., 15.75 days @ $600/day	$ 9,450.00	
C.I. Dyakowski, P.Geo., 22 days @ $500/day	$ 11,000.00	
Nick Dyakowski, B.A. 20 days @192.50	$ 3,850.00	
Rod Smuland, 13 days @ $350/day	$ 4,550.00	
	$ 36,950.00	$ 36,950.00
Transport:		
Pick-up trucks, 29 days @ $160/day (no milage charge)	$ 4,640.00	
ATV, 18 days @$100/day	$ 1,800.00	
Gasoline	$ 1,490.12	
	$ 7,930.12	$ 7,930.12
Camp and Crew Costs:		
Hotel and cabin rental.	$ 6,300.64	
Meals and camp food,.	$ 3,072.72	
Field supplies	$ 1,222.35	
	$ 10,595.71	$ 10,595.71
Communications, Expediting, and Project Overhead:	$ 7,055.16	$ 7,055.16
Analysis and Assay: ICP and over-limit analyses of 785 soils (Bureau Veritas Inv. (VAN17000992, VAN17001059, VAN17001759)	$ 13,440.74	$ 13,440.74
Reporting Costs and Office Expenses:		
N.T.S. and B.C. topographic maps.	$ 77.04	
Maps and re-scaled base maps, mylar, blackline copies of maps, text, and diagrams, etc.	$ 472.96	
	$ 550.00	$ 550.00
Value of the Current (2017) Exploration Program		**$ 76,521.73**
G.S.T.: 0.05 X $76,521.73		$ 3,826.09
Total Value of the Current (2017) Exploration Program		**$ 80,347.82**

May 3, 2017: property access investigation by C. Dyakowski and J. Ostler
May 22 to June 3, 2017 soil survey: C., T., and N., Dyakowski and Rod Smuland
August 10 to 16, 2017 soil survey: C., T., and N., Dyakowski
July 26 and 27, 2017: property examination and investigation of areas of high soil-gold concentrations by T. and C. Dyakowski, and J. Ostler

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Interpretation and Conclusions

The results of the current (2017) soil survey confirm the existence of two sets of structures that contributed metal to rocks in the 2017 soil grid area in the western part of the Melba property.

The early structures are generally northerly trending and curve to the northwest and southwest in the eastern part of the grid area. They are less well-defined in the western part of the grid area where overburden is thicker. Soil results indicate that the early structures are responsible for the introduction of most of the anomalous copper in the survey area. Also, fluids coursing upward along the early structures may have caused leaching of a significant amount of zinc in the mafic intrusive rocks in the grid area.

The early structures coincide with the deep north-southerly trending structures that were identified by the 2013 Essex airborne magnetic and radiometric surveys. Those structures are interpreted to have evolved during or shortly after the emplacement of the mafic intrusion in the 2017 grid area during the Late Triassic Period when the Quesnel Terrane was developing as an island arc. Elevated copper associated with the early structures indicates that they may be related to the local development of alkalic porphyry copper-gold style mineralization.

The late structures form a classic “shatter” pattern which one would expect to see in the root zone of a manto system. They trend at 032-212° and at 320-140° and appear to form a conjugate shear set. From that orientation, it can be estimated that the greatest compressive stress was pressing in from 356° and 176°. The least compressive stress was roughly east-west and the medial compressive stress was nearly vertical.

The conjugate pattern of the late structures is best developed in the west-central part of the 2017 grid area. The late structures contain most of the elevated gold in the survey area. Whatever gold may have been introduced to the rocks in the 2017 survey area by the early structures has been masked by that associated by the late ones. There is only a moderate amount of overlap of the early and late structures and any such overlap seems to have been coincidental. The early structures were sealed and did not form significant conduits for the late structures.

The quartz-feldspar porphyry associated with mineralization along the late fractures tends to give them

a calc-alkalic affinity, which further separates them from the early structures. The late structures are interpreted to have evolved during the Columbian Orogeny during the Late Cretaceous Period to the Palaeocene stage during development of the Shuswap Metamorphic Complex.

There are two very different exploration targets in the western part of the Melba property: a Late Triassic-age alkalic porphyry copper-gold deposit, and Cretaceous to Palaeocene-age gold-bearing veins. The porphyry target has by far the greatest economic potential.

6.2 Recommendations

The authors recommend that an extensive 3-dimensional induced polarization survey be conducted over the Melba property west of the Clapperton fault.

7.0 REFERENCES

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673,000 E. | 673,500 E. | 674,000 E. | 674,500 E. | 675,000 E. | 675,500 E. | 676,000 E. | 676,500 E.

5,598,500 N. | 5,598,000 N. | 5,597,500 N. | 5,597,000 N.

40+00 W. | 35+00 W. | 30+00 W. | 25+00 W. | 20+00 W. | 15+00 W. | 10+00 W. | 5+00 W. | 0+00 W.

LINE 8+00 N.
LINE 6+00 N.
LINE 4+00 N.
LINE 2+00 N.
LINE 0+00 N.
LINE 2+00 S.
LINE 4+00 S.
LINE 6+00 S.
LINE 8+00 S.
LINE 10+00 S.

MELBA I
1014767

(no name)
513923

ML4
OCCURRENCE

VEIN
SHOWINGS

MELBA
SHOWING

TENT
SHOWING

(no name)
512061

GALENA SHOWINGS
AREA

(no name)
513944

58 ppm
99 ppm
N.S.

LEGEND

CLAIMS: MELBA 1 ← claim name
1014767 ← record number
claim boundary

TOPOGRAPHY:
drainage
pond
flow direction

2017 SOIL SURVEY:
sample station
no sample
N.S.
sample off-line
survey line
sub-anomalous: 58 ppm contour excludes 84% of data
anomalous: 99 ppm contour excludes 97.5% of data

NOTES:
For complete analytical results, see Appendix 'A'.
Drainages are from B.C. Map 0921 058.

PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
JOHN D. OSTLER

N. 16° 22'

SCALE
0 50 100 150 200 250 300 350 400 450 500 m
0 250 500 750 1000 1250 1500 ft

Figure 8

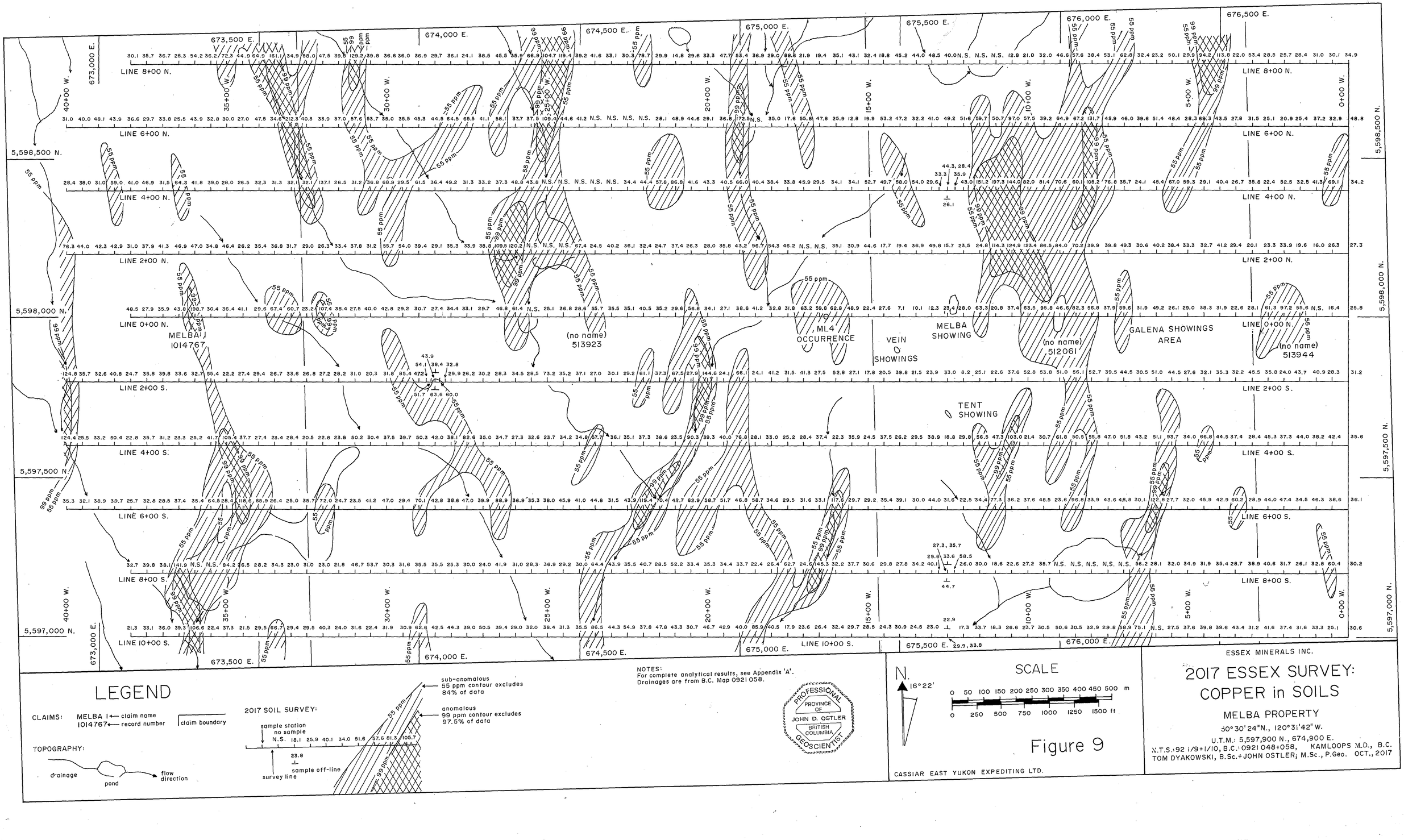
CASSIAR EAST YUKON EXPEDITING LTD.

ESSEX MINERALS INC.

2017 ESSEX SURVEY: ZINC in SOILS

MELBA PROPERTY

50° 30' 24" N., 120° 31' 42" W.
U.T.M.: 5,597,900 N., 674,900 E.
N.T.S.: 92 I/9+I/10, B.C.: 0921 048+058, KAMLOOPS M.D., B.C.
TOM DYAKOWSKI, B.Sc.+JOHN OSTLER; M.Sc., P.Geo. OCT., 2017



LEGEND

CLAIMS: MELBA 1 ← claim name; 1014767 ← record number; claim boundary

TOPOGRAPHY: drainage, pond, flow direction

2017 SOIL SURVEY: sample station, no sample (N.S.), sample off-line, survey line

sub-anomalous: 55 ppm contour excludes 84% of data

anomalous: 99 ppm contour excludes 97.5% of data

NOTES:
For complete analytical results, see Appendix 'A'.
Drainages are from B.C. Map 092I 058.

PROFESSIONAL GEOSCIENTIST — PROVINCE OF BRITISH COLUMBIA — JOHN D. OSTLER

N. 16° 22'

SCALE

0 50 100 150 200 250 300 350 400 450 500 m

0 250 500 750 1000 1250 1500 ft

Figure 9

CASSIAR EAST YUKON EXPEDITING LTD.

ESSEX MINERALS INC.

2017 ESSEX SURVEY: COPPER in SOILS

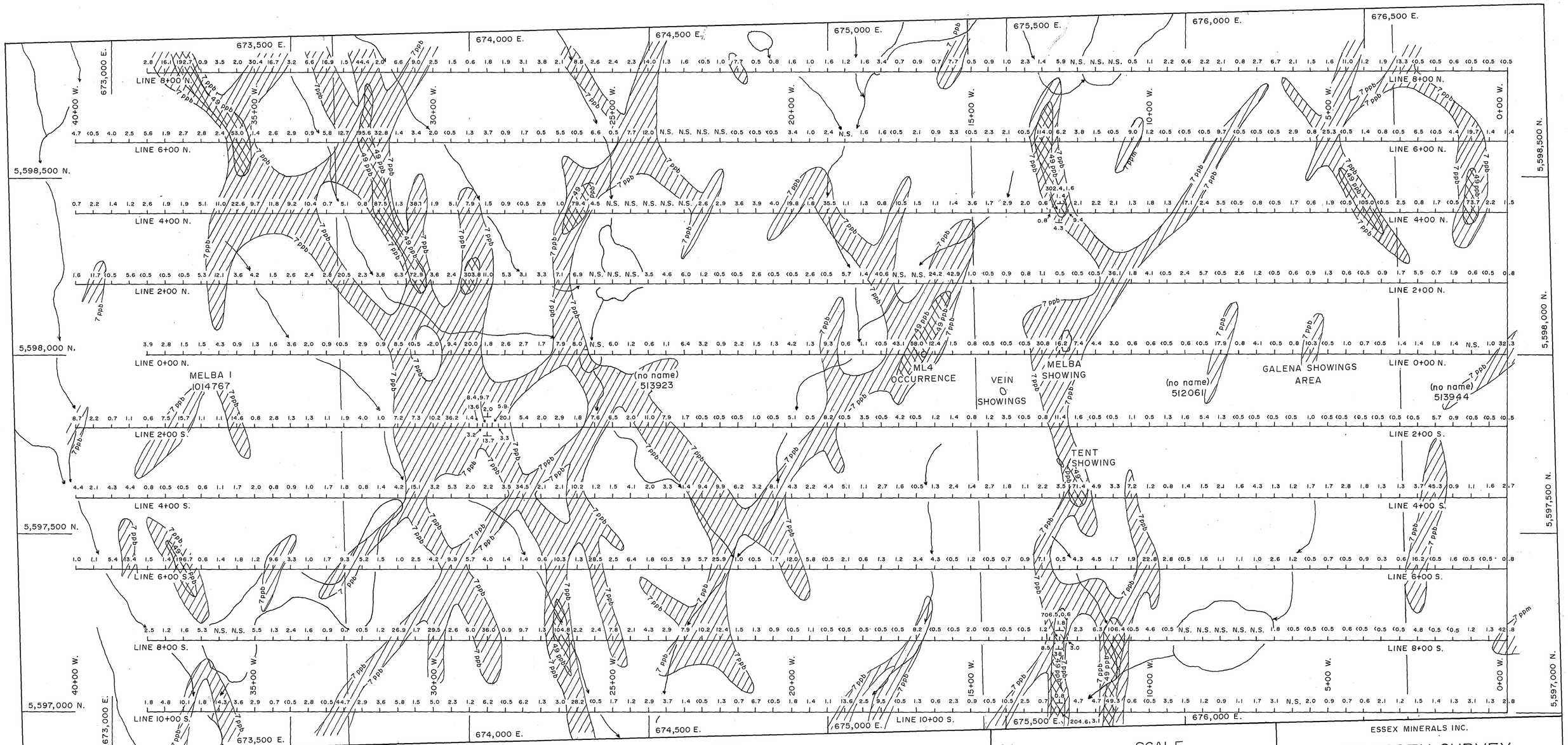
MELBA PROPERTY

50°30'24"N., 120°31'42"W.

U.T.M.: 5,597,900 N., 674,900 E.

N.T.S.: 92 I/9+I/10, B.C.: 092I 048+058, KAMLOOPS M.D., B.C.

TOM DYAKOWSKI, B.Sc.+JOHN OSTLER; M.Sc., P.Geo. OCT., 2017



LEGEND

CLAIMS: MELBA 1 ← claim name; 1014767 ← record number; claim boundary

TOPOGRAPHY: drainage, pond, flow direction

2017 SOIL SURVEY: sample station, no sample, N.S., 0.7, <0.5, 1.3, 2.1, 5.5, 9.6, 17.1, 62.8; 1.4 sample off-line; survey line

sub-anomalous: 7.0 ppb gold contour excludes 84% of data

anomalous 49.0 ppb gold contour excludes 97.5% of data

NOTES:
For complete analytical results, see Appendix 'A'.
Drainages are from B.C. Map 0921 058.

PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
JOHN D. OSTLER

N. 16° 22'

SCALE
0 50 100 150 200 250 300 350 400 450 500 m
0 250 500 750 1000 1250 1500 ft

Figure 10

CASSIAR EAST YUKON EXPEDITING LTD.

ESSEX MINERALS INC.

2017 ESSEX SURVEY: GOLD in SOILS

MELBA PROPERTY

50° 30' 24" N., 120° 31' 42" W.

U.T.M.: 5,597,900 N., 674,900 E.
N.T.S.: 92 I/9+I/10, B.C.: 0921 048+058, KAMLOOPS M.D., B.C.
TOM DYAKOWSKI, B.Sc.+JOHN OSTLER; M.Sc., P.Geo. OCT., 2017

APPENDIX ‘A’

METHODS and RESULTS of ANALYSES

BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Max Investment Inc.**
3750 West 49th Ave
Vancouver British Columbia V6N 3T8 Canada

Submitted By: Chris Dyakowski
Receiving Lab: Canada-Vancouver
Received: May 29, 2017
Report Date: June 09, 2017
Page: 1 of 11

CERTIFICATE OF ANALYSIS VAN17000992.1

CLIENT JOB INFORMATION

Project: MELBA
Shipment ID:
P.O. Number
Number of Samples: 280

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	280	Dry at 60C			VAN
SS80	280	Dry at 60C sieve 100g to -80 mesh			VAN
AQ200	280	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Max Investment Inc.
3750 West 49th Ave
Vancouver British Columbia V6N 3T8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production Manager

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

BUREAU VERITAS MINERAL LABORATORIES Canada

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Max Investment Inc.**
3750 West 49th Ave
Vancouver British Columbia V6N 3T8 Canada

Project: MELBA
Report Date: June 09, 2017

CERTIFICATE OF ANALYSIS VAN17000992.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L0+00N 00+00W	Soil		0.5	25.8	4.8	53	0.2	20.9	13.9	715	2.57	3.3	32.3	0.9	30	0.2	0.1	<0.1	63	0.44	0.103	5
L0+00N 00+50W	Soil		0.4	16.4	4.3	36	<0.1	15.4	10.7	229	2.24	3.0	1.0	0.6	21	<0.1	0.1	<0.1	58	0.28	0.024	3
L0+00N 01+50W	Soil		0.8	55.6	3.7	25	0.2	18.4	10.7	464	1.74	4.9	1.4	0.3	522	0.2	0.3	<0.1	44	9.54	0.069	3
L0+00N 02+00W	Soil		0.5	97.2	7.5	37	0.2	24.2	14.0	626	2.67	4.9	1.9	0.6	53	0.1	0.2	<0.1	58	0.95	0.044	6
L0+00N 02+50W	Soil		0.7	61.3	5.2	40	0.1	20.2	14.3	626	2.65	4.5	1.4	0.4	44	0.1	0.2	<0.1	57	0.78	0.084	4
L0+00N 03+00W	Soil		0.5	28.1	3.8	44	<0.1	17.7	13.5	718	2.23	4.2	1.4	0.7	32	0.1	<0.1	<0.1	51	0.44	0.119	4
L0+00N 03+50W	Soil		0.5	22.6	3.8	50	0.2	17.3	12.9	692	2.18	3.0	<0.5	0.7	22	<0.1	<0.1	<0.1	47	0.38	0.113	4
L0+00N 04+00W	Soil		0.4	31.9	4.0	55	0.2	19.0	12.0	632	2.41	4.3	0.7	0.8	22	<0.1	0.1	<0.1	53	0.29	0.189	4
L0+00N 04+50W	Soil		0.6	38.3	4.1	54	0.1	16.0	13.8	832	2.35	4.1	1.0	0.7	44	0.3	0.1	<0.1	54	0.70	0.083	5
L0+00N 05+00W	Soil		0.4	29.0	4.1	39	<0.1	14.5	11.8	479	2.55	3.9	<0.5	0.9	28	<0.1	0.1	<0.1	53	0.34	0.054	5
L0+00N 05+00W A	Soil		0.7	26.1	4.4	49	<0.1	15.2	12.4	613	2.39	3.8	10.3	0.8	25	<0.1	0.1	<0.1	47	0.36	0.141	4
L0+00N 06+00W	Soil		0.5	49.2	3.6	51	0.1	18.2	13.9	627	2.53	3.9	0.8	0.7	33	0.1	0.1	<0.1	63	0.50	0.130	4
L0+00N 06+50W	Soil		0.5	31.9	3.4	55	<0.1	17.9	13.8	816	2.48	2.8	<0.5	0.8	28	<0.1	<0.1	<0.1	61	0.45	0.101	4
L0+00N 07+00W	Soil		0.3	59.6	2.7	52	<0.1	24.2	21.2	461	3.77	4.3	4.1	0.9	33	<0.1	0.2	<0.1	106	0.52	0.136	6
L0+00N 07+50W	Soil		0.4	37.9	4.1	58	<0.1	22.3	16.0	772	3.10	2.7	0.8	0.7	29	0.1	0.1	0.1	90	0.44	0.161	4
L0+00N 08+00W	Soil		0.6	56.8	2.9	72	0.2	24.0	20.7	1168	3.43	2.5	17.9	0.7	28	<0.1	<0.1	<0.1	104	0.50	0.149	4
L0+00N 08+50W	Soil		0.3	82.3	3.1	42	0.3	18.6	16.6	362	2.63	2.4	<0.5	0.6	101	0.2	0.2	<0.1	81	3.36	0.052	6
L0+00N 09+00W	Soil		0.5	46.6	5.0	50	0.2	18.8	15.1	721	2.83	4.4	0.6	1.0	30	<0.1	<0.1	0.1	78	0.44	0.217	5
L0+00N 09+50W	Soil		0.4	95.8	3.6	87	0.2	24.1	21.9	1035	3.73	4.0	<0.5	1.0	41	0.2	<0.1	<0.1	111	0.77	0.354	5
L0+00N 10+00W	Soil		0.7	63.5	3.4	81	<0.1	24.1	22.5	1690	3.73	2.8	0.6	0.7	32	0.1	<0.1	<0.1	113	0.54	0.122	4
L0+00N 10+50W	Soil		0.4	37.4	3.2	44	<0.1	19.4	13.2	610	2.64	2.0	0.6	0.6	29	<0.1	<0.1	<0.1	73	0.42	0.076	2
L0+00N 11+00W	Soil		0.2	20.8	3.3	42	<0.1	25.7	15.3	406	3.03	2.0	3.0	0.8	18	<0.1	<0.1	0.1	99	0.34	0.059	3
L0+00N 11+50W	Soil		0.5	63.3	4.1	42	<0.1	40.6	26.7	718	5.06	2.0	4.4	0.8	20	<0.1	<0.1	0.2	196	0.54	0.035	4
L0+00N 12+00W	Soil		0.4	28.0	2.7	32	0.1	28.4	15.0	473	3.24	3.7	7.4	0.5	35	<0.1	0.1	<0.1	103	0.82	0.023	4
L0+00N 12+50W	Soil		1.5	23.4	3.5	34	0.2	33.1	17.7	803	3.11	16.0	16.2	0.5	36	<0.1	0.2	<0.1	96	1.63	0.047	3
L0+00N 13+00W	Soil		0.4	12.3	3.0	32	<0.1	13.6	8.6	592	1.88	2.3	30.8	0.4	17	<0.1	<0.1	0.1	48	0.31	0.031	2
L0+00N 13+50W	Soil		0.4	10.1	2.9	58	0.1	15.2	9.0	854	2.00	1.3	<0.5	0.4	18	<0.1	<0.1	<0.1	64	0.29	0.048	1
L0+00N 14+00W	Soil		0.2	7.1	2.7	76	<0.1	5.9	3.1	966	0.83	0.7	<0.5	0.4	18	0.2	<0.1	<0.1	21	0.33	0.073	2
L0+00N 14+50W	Soil		0.4	27.6	4.0	41	0.1	15.3	8.2	688	1.77	2.7	<0.5	1.1	23	<0.1	<0.1	0.1	42	0.38	0.249	4
L0+00N 15+00W	Soil		0.3	22.4	3.5	31	0.1	15.9	10.6	472	2.47	2.3	0.8	0.7	26	<0.1	0.2	<0.1	69	0.43	0.055	3

BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Max Investment Inc.**
3750 West 49th Ave
Vancouver British Columbia V6N 3T8 Canada

Project: MELBA
Report Date: June 09, 2017

CERTIFICATE OF ANALYSIS VAN17000992.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L0+00N 00+00W	Soil		37	0.79	182	0.096	<20	1.84	0.008	0.42	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
L0+00N 00+50W	Soil		32	0.73	84	0.108	<20	1.45	0.009	0.34	<0.1	<0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
L0+00N 01+50W	Soil		25	0.91	220	0.061	<20	1.08	0.028	0.31	<0.1	0.02	2.6	<0.1	0.14	3	6.1	<0.2
L0+00N 02+00W	Soil		34	0.88	214	0.091	<20	1.89	0.011	0.27	<0.1	0.03	3.6	<0.1	<0.05	4	0.9	<0.2
L0+00N 02+50W	Soil		32	0.86	155	0.084	<20	1.57	0.008	0.29	<0.1	0.04	2.9	<0.1	<0.05	4	0.8	<0.2
L0+00N 03+00W	Soil		28	0.71	161	0.085	<20	1.65	0.010	0.20	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
L0+00N 03+50W	Soil		31	0.70	196	0.086	<20	1.72	0.008	0.27	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
L0+00N 04+00W	Soil		31	0.67	186	0.089	<20	1.94	0.007	0.23	<0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
L0+00N 04+50W	Soil		32	0.75	169	0.083	<20	1.64	0.008	0.31	<0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
L0+00N 05+00W	Soil		28	0.73	133	0.087	<20	1.64	0.009	0.29	<0.1	0.01	3.2	<0.1	<0.05	4	<0.5	<0.2
L0+00N 05+00W A	Soil		28	0.61	173	0.087	<20	1.84	0.011	0.33	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
L0+00N 06+00W	Soil		36	0.79	176	0.097	<20	1.74	0.009	0.36	<0.1	0.02	4.1	<0.1	<0.05	4	<0.5	<0.2
L0+00N 06+50W	Soil		37	0.69	182	0.095	<20	1.72	0.009	0.33	<0.1	0.01	4.4	<0.1	<0.05	5	<0.5	<0.2
L0+00N 07+00W	Soil		53	1.19	99	0.119	<20	1.96	0.006	0.36	<0.1	0.02	7.6	<0.1	<0.05	6	<0.5	<0.2
L0+00N 07+50W	Soil		52	0.95	237	0.103	<20	2.49	0.008	0.22	<0.1	0.03	6.1	<0.1	<0.05	7	<0.5	<0.2
L0+00N 08+00W	Soil		58	1.35	332	0.124	<20	2.38	0.008	0.40	0.2	0.02	6.8	0.1	<0.05	7	<0.5	<0.2
L0+00N 08+50W	Soil		42	0.88	199	0.092	<20	1.89	0.013	0.19	<0.1	0.04	6.2	<0.1	<0.05	5	0.5	<0.2
L0+00N 09+00W	Soil		36	0.83	315	0.100	<20	2.27	0.010	0.28	<0.1	0.02	5.6	<0.1	<0.05	6	<0.5	<0.2
L0+00N 09+50W	Soil		45	1.25	569	0.118	<20	2.92	0.011	0.29	<0.1	0.05	7.4	<0.1	<0.05	8	<0.5	<0.2
L0+00N 10+00W	Soil		54	1.41	344	0.126	<20	2.69	0.008	0.33	<0.1	0.04	5.9	<0.1	<0.05	7	<0.5	<0.2
L0+00N 10+50W	Soil		43	0.89	188	0.115	<20	1.93	0.009	0.26	<0.1	0.01	3.7	<0.1	<0.05	6	<0.5	<0.2
L0+00N 11+00W	Soil		67	1.13	193	0.105	<20	2.26	0.012	0.09	<0.1	<0.01	5.4	<0.1	<0.05	7	<0.5	<0.2
L0+00N 11+50W	Soil		118	1.94	131	0.115	<20	2.45	0.006	0.27	0.1	0.01	19.6	<0.1	<0.05	9	<0.5	<0.2
L0+00N 12+00W	Soil		86	0.99	127	0.099	<20	1.82	0.008	0.30	0.2	0.04	13.1	<0.1	<0.05	5	<0.5	<0.2
L0+00N 12+50W	Soil		80	1.14	89	0.077	<20	1.72	0.010	0.11	0.2	0.04	18.1	<0.1	<0.05	6	<0.5	<0.2
L0+00N 13+00W	Soil		45	0.61	110	0.078	<20	1.53	0.010	0.11	0.2	0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
L0+00N 13+50W	Soil		51	0.67	144	0.075	<20	1.49	0.010	0.15	0.2	0.01	4.1	<0.1	<0.05	5	<0.5	<0.2
L0+00N 14+00W	Soil		16	0.12	211	0.045	<20	0.63	0.017	0.11	1.3	0.02	1.4	<0.1	<0.05	2	<0.5	<0.2
L0+00N 14+50W	Soil		25	0.47	212	0.089	<20	1.95	0.012	0.09	0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
L0+00N 15+00W	Soil		33	0.63	141	0.101	<20	1.57	0.012	0.13	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2

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Project: MELBA
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CERTIFICATE OF ANALYSIS VAN17000992.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L0+00N 15+50W	Soil	0.4	48.9	3.6	40	0.2	18.9	11.3	494	2.51	2.3	1.5	0.8	26	<0.1	0.1	<0.1	69	0.44	0.120	4
L0+00N 16+00W	Soil	0.4	62.8	3.2	42	0.2	22.3	14.6	424	2.99	3.6	12.4	1.2	30	<0.1	0.1	0.1	73	0.49	0.140	5
L0+00N 16+50W	Soil	0.6	59.8	3.8	48	0.3	14.9	13.5	776	2.87	8.7	58.0	0.9	36	<0.1	0.2	0.2	69	0.45	0.127	6
L0+00N 17+00W	Soil	0.6	63.2	3.9	39	0.3	16.0	12.4	465	2.68	12.4	43.1	1.2	41	<0.1	0.2	0.1	66	0.45	0.139	6
L0+00N 17+50W	Soil	0.6	31.8	3.8	43	0.3	13.9	11.4	684	2.59	3.0	<0.5	0.8	23	<0.1	0.1	0.1	59	0.36	0.152	3
L0+00N 18+00W	Soil	0.3	32.8	3.0	32	0.1	13.4	11.5	302	2.56	2.7	1.1	0.9	28	<0.1	0.2	0.1	72	0.49	0.089	4
L0+00N 18+50W	Soil	0.4	41.2	3.6	51	0.2	15.1	11.9	284	2.32	3.9	0.6	1.1	23	<0.1	0.1	0.1	57	0.35	0.185	4
L0+00N 19+00W	Soil	0.3	38.6	3.1	29	<0.1	14.5	12.6	232	2.64	2.7	9.3	0.8	34	<0.1	0.1	<0.1	67	0.46	0.067	4
L0+00N 19+50W	Soil	0.3	27.1	2.7	23	<0.1	10.9	8.8	336	1.92	2.1	1.3	0.4	28	<0.1	<0.1	<0.1	53	0.39	0.054	2
L0+00N 20+00W	Soil	0.2	34.1	2.9	27	0.1	12.3	9.7	296	2.03	2.5	4.2	0.8	29	<0.1	0.1	<0.1	55	0.43	0.076	4
L0+00N 20+50W	Soil	0.2	56.8	4.1	30	0.2	14.8	9.7	393	2.16	4.0	1.3	1.2	35	<0.1	0.1	<0.1	56	0.56	0.039	5
L0+00N 21+00W	Soil	0.4	29.6	3.3	29	0.2	12.9	10.0	410	2.09	2.8	1.5	0.5	27	<0.1	0.1	<0.1	54	0.38	0.140	3
L0+00N 21+50W	Soil	0.3	35.2	2.9	29	0.2	12.3	9.8	256	2.08	2.5	2.2	0.6	27	<0.1	0.1	<0.1	53	0.38	0.116	4
L0+00N 22+00W	Soil	0.2	40.5	3.6	30	<0.1	13.0	11.0	308	2.16	3.5	0.9	0.9	34	<0.1	0.1	0.1	53	0.54	0.048	5
L0+00N 22+50W	Soil	0.3	35.4	2.9	30	0.1	13.9	11.1	311	2.32	2.9	3.2	0.7	24	<0.1	0.1	<0.1	53	0.37	0.144	3
L0+00N 23+00W	Soil	0.3	35.5	3.0	30	0.1	13.8	10.7	373	2.16	2.8	6.4	0.7	24	<0.1	0.1	<0.1	58	0.36	0.137	3
L0+00N 23+50W	Soil	0.4	55.7	3.9	30	0.2	14.1	10.4	674	2.07	3.2	1.1	0.7	40	<0.1	0.1	<0.1	56	0.69	0.050	6
L0+00N 24+00W	Soil	0.2	28.6	3.1	26	0.1	13.2	10.6	241	2.26	1.7	0.6	0.9	34	<0.1	0.1	<0.1	61	0.41	0.032	4
L0+00N 24+50W	Soil	0.3	36.8	2.7	31	<0.1	14.7	9.7	252	2.31	2.2	1.2	0.9	36	<0.1	0.1	<0.1	67	0.51	0.126	5
L0+00N 25+00W	Soil	0.2	25.1	3.1	24	<0.1	11.1	9.8	225	2.14	1.3	6.0	0.9	40	<0.1	0.1	<0.1	59	0.47	0.025	4
L2+00N 00+00W	Soil	0.6	27.3	3.9	65	0.3	17.2	12.6	883	2.47	2.5	0.8	0.8	34	0.1	<0.1	<0.1	59	0.68	0.086	4
L2+00N 00+50W	Soil	0.5	26.3	4.1	49	0.1	18.7	10.9	455	2.34	3.0	<0.5	1.0	27	<0.1	0.1	<0.1	61	0.34	0.078	4
L2+00N 01+00W	Soil	0.4	16.0	4.1	39	<0.1	14.6	8.4	391	1.99	1.9	0.6	0.7	24	<0.1	<0.1	<0.1	49	0.31	0.061	3
L2+00N 01+50W	Soil	0.7	19.6	7.0	60	0.1	20.0	14.5	448	2.63	4.0	1.9	0.8	25	0.1	<0.1	<0.1	58	0.27	0.042	3
L2+00N 02+00W	Soil	0.8	33.9	4.8	64	<0.1	21.8	13.8	501	2.78	4.0	0.7	0.9	24	0.1	0.1	<0.1	65	0.32	0.084	4
L2+00N 02+50W	Soil	0.8	23.3	3.5	43	<0.1	23.6	12.7	570	2.72	2.6	5.5	0.8	25	<0.1	0.1	<0.1	60	0.34	0.040	3
L2+00N 03+00W	Soil	0.7	20.1	3.6	60	<0.1	17.6	11.2	654	2.34	2.5	1.7	1.0	22	0.1	<0.1	<0.1	49	0.31	0.097	3
L2+00N 03+50W	Soil	1.0	29.4	4.5	90	<0.1	22.2	14.1	965	3.10	4.5	0.9	1.1	21	0.2	0.1	<0.1	47	0.30	0.067	4
L2+00N 04+00W	Soil	1.7	41.2	6.6	118	0.2	18.1	14.1	1329	2.84	6.1	<0.5	1.3	29	0.4	0.1	0.1	45	0.41	0.195	6
L2+00N 04+50W	Soil	1.0	32.7	5.7	79	0.1	19.0	14.2	838	3.07	7.2	0.6	0.8	26	0.2	0.1	<0.1	56	0.36	0.140	6

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Project: MELBA
Report Date: June 09, 2017

CERTIFICATE OF ANALYSIS VAN17000992.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L0+00N 15+50W	Soil	34	0.75	222	0.098	<20	1.99	0.011	0.15	0.1	0.01	4.4	<0.1	<0.05	6	<0.5	<0.2
L0+00N 16+00W	Soil	39	0.99	198	0.110	<20	2.20	0.010	0.28	<0.1	0.02	5.2	<0.1	<0.05	6	<0.5	<0.2
L0+00N 16+50W	Soil	28	0.88	163	0.096	<20	2.04	0.009	0.23	0.2	0.02	4.5	<0.1	<0.05	6	<0.5	<0.2
L0+00N 17+00W	Soil	32	0.85	131	0.093	<20	1.93	0.010	0.15	0.2	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
L0+00N 17+50W	Soil	26	0.61	138	0.089	<20	1.89	0.010	0.10	0.2	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
L0+00N 18+00W	Soil	29	0.67	97	0.116	<20	1.33	0.008	0.14	<0.1	<0.01	3.9	<0.1	<0.05	4	<0.5	<0.2
L0+00N 18+50W	Soil	27	0.57	140	0.098	<20	1.93	0.009	0.10	0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
L0+00N 19+00W	Soil	31	0.68	160	0.126	<20	1.64	0.012	0.12	<0.1	<0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
L0+00N 19+50W	Soil	26	0.50	96	0.094	<20	1.16	0.008	0.09	0.6	<0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
L0+00N 20+00W	Soil	26	0.57	115	0.099	<20	1.53	0.010	0.13	<0.1	0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
L0+00N 20+50W	Soil	28	0.58	202	0.118	<20	2.15	0.014	0.17	<0.1	0.03	4.1	<0.1	<0.05	5	<0.5	<0.2
L0+00N 21+00W	Soil	25	0.50	121	0.079	<20	1.56	0.006	0.09	<0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
L0+00N 21+50W	Soil	23	0.47	127	0.084	<20	1.49	0.008	0.09	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
L0+00N 22+00W	Soil	24	0.54	173	0.107	<20	1.78	0.013	0.15	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
L0+00N 22+50W	Soil	24	0.51	125	0.080	<20	1.48	0.006	0.09	<0.1	0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
L0+00N 23+00W	Soil	24	0.53	114	0.083	<20	1.46	0.007	0.10	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
L0+00N 23+50W	Soil	28	0.53	153	0.096	<20	1.66	0.012	0.12	<0.1	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
L0+00N 24+00W	Soil	31	0.61	121	0.127	<20	1.40	0.011	0.11	<0.1	0.01	3.6	<0.1	<0.05	4	<0.5	<0.2
L0+00N 24+50W	Soil	32	0.64	111	0.112	<20	1.39	0.008	0.13	0.1	0.01	4.1	<0.1	<0.05	4	<0.5	<0.2
L0+00N 25+00W	Soil	29	0.60	114	0.148	<20	1.39	0.010	0.15	<0.1	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
L2+00N 00+00W	Soil	34	0.78	214	0.103	<20	1.81	0.008	0.44	<0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
L2+00N 00+50W	Soil	36	0.82	167	0.110	<20	1.76	0.009	0.30	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
L2+00N 01+00W	Soil	30	0.68	114	0.097	<20	1.51	0.008	0.41	<0.1	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
L2+00N 01+50W	Soil	34	0.96	181	0.115	<20	2.02	0.009	0.48	<0.1	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
L2+00N 02+00W	Soil	40	0.87	153	0.114	<20	1.80	0.008	0.38	<0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
L2+00N 02+50W	Soil	53	0.98	100	0.109	<20	1.64	0.007	0.44	<0.1	0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
L2+00N 03+00W	Soil	32	0.71	177	0.105	<20	1.93	0.009	0.42	<0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
L2+00N 03+50W	Soil	29	0.85	150	0.111	<20	1.99	0.009	0.66	<0.1	0.01	3.2	0.1	<0.05	5	<0.5	<0.2
L2+00N 04+00W	Soil	26	0.80	262	0.091	<20	2.15	0.012	0.32	0.1	0.03	3.2	<0.1	<0.05	6	<0.5	<0.2
L2+00N 04+50W	Soil	26	0.86	243	0.102	<20	2.27	0.010	0.36	<0.1	0.02	3.7	0.1	<0.05	6	<0.5	<0.2

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Project: MELBA
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CERTIFICATE OF ANALYSIS VAN17000992.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L2+00N 05+00W	Soil	0.7	33.3	3.9	51	<0.1	19.0	13.0	687	2.66	4.3	1.3	0.8	32	<0.1	0.1	<0.1	52	0.36	0.125	4
L2+00N 05+50W	Soil	0.5	38.4	3.1	51	<0.1	19.2	13.8	430	2.82	3.4	0.9	0.9	25	<0.1	0.1	<0.1	63	0.31	0.151	4
L2+00N 06+00W	Soil	0.6	40.2	5.1	78	0.2	21.6	15.2	1019	2.76	3.6	0.6	0.6	32	0.2	<0.1	<0.1	68	0.55	0.173	4
L2+00N 06+50W	Soil	0.5	30.6	3.3	57	<0.1	19.1	13.6	887	2.64	2.4	<0.5	0.7	36	<0.1	0.1	<0.1	66	0.57	0.122	4
L2+00N 07+00W	Soil	0.5	49.3	3.5	84	<0.1	23.9	22.5	1245	3.81	2.7	1.2	0.6	27	<0.1	<0.1	0.5	127	0.45	0.247	3
L2+00N 07+50W	Soil	0.4	39.8	3.9	41	<0.1	21.8	17.6	303	3.06	2.5	2.6	0.8	25	<0.1	<0.1	0.1	105	0.31	0.088	3
L2+00N 08+00W	Soil	0.5	39.9	3.2	53	<0.1	19.8	16.7	842	3.35	2.3	<0.5	0.6	28	<0.1	0.1	<0.1	108	0.42	0.093	3
L2+00N 08+50W	Soil	0.8	70.2	5.0	66	0.2	20.9	18.1	691	3.50	2.7	5.7	0.9	34	0.1	0.1	0.1	88	0.41	0.138	6
L2+00N 09+00W	Soil	0.5	84.0	4.0	68	<0.1	20.6	20.6	791	3.70	3.2	2.4	1.1	49	0.2	0.2	<0.1	112	1.04	0.187	6
L2+00N 09+50W	Soil	0.5	86.5	3.8	92	0.2	21.6	20.0	816	3.56	3.2	<0.5	1.0	27	<0.1	<0.1	0.1	87	0.51	0.211	5
L2+00N 10+00W	Soil	0.4	123.4	3.0	74	0.2	30.2	23.6	1214	3.77	4.1	4.1	0.8	39	0.2	0.1	<0.1	115	0.74	0.126	5
L2+00N 10+50W	Soil	0.3	124.9	2.9	57	<0.1	31.1	21.5	649	3.95	2.9	1.8	0.8	32	<0.1	<0.1	<0.1	120	0.46	0.101	6
L2+00N 11+00W	Soil	0.5	114.3	22.4	55	0.2	31.5	25.5	818	4.21	5.8	36.1	1.0	40	0.2	0.2	0.4	129	0.77	0.060	7
L2+00N 11+50W	Soil	0.2	24.8	3.4	39	0.1	18.6	11.4	322	2.52	1.9	<0.5	1.1	33	<0.1	<0.1	<0.1	59	0.51	0.217	5
L2+00N 12+00W	Soil	0.3	23.5	3.6	32	<0.1	26.8	13.1	223	2.88	3.3	<0.5	0.5	23	<0.1	<0.1	<0.1	88	0.39	0.039	2
L2+00N 12+50W	Soil	0.2	15.7	2.8	23	<0.1	19.5	11.8	185	3.28	0.9	0.5	0.3	20	<0.1	<0.1	<0.1	99	0.33	0.010	2
L2+00N 13+00W	Soil	0.4	49.8	2.6	28	<0.1	17.5	13.4	362	2.74	3.1	1.1	0.8	53	<0.1	0.2	<0.1	78	1.05	0.035	5
L2+00N 13+50W	Soil	0.3	36.9	3.1	43	<0.1	20.0	12.9	351	2.91	2.5	0.8	0.8	24	<0.1	0.1	<0.1	76	0.33	0.102	3
L2+00N 14+00W	Soil	0.7	19.4	4.6	31	0.1	12.6	8.4	712	1.77	1.7	0.9	0.2	26	<0.1	0.1	<0.1	47	0.54	0.107	2
L2+00N 14+50W	Soil	0.3	17.7	3.2	29	<0.1	14.4	9.3	411	2.06	1.1	<0.5	0.4	26	<0.1	0.1	<0.1	50	0.44	0.107	2
L2+00N 15+00W	Soil	0.3	44.6	3.2	39	0.2	16.6	13.6	443	2.62	2.3	1.0	0.7	28	<0.1	0.1	<0.1	63	0.57	0.110	3
L2+00N 15+50W	Soil	0.2	30.9	3.5	28	<0.1	15.2	10.8	266	2.54	1.6	42.9	0.7	29	<0.1	0.1	<0.1	61	0.49	0.045	4
L2+00N 16+00W	Soil	0.5	35.1	3.5	40	0.2	18.5	12.0	445	2.59	2.2	24.5	0.8	26	<0.1	0.1	<0.1	61	0.33	0.169	3
L2+00N 17+50W	Soil	0.4	46.2	3.8	58	0.1	18.0	13.9	535	2.57	3.6	40.6	1.1	26	<0.1	0.1	0.1	66	0.37	0.163	4
L2+00N 18+00W	Soil	0.4	54.3	4.1	57	0.2	18.4	14.5	398	2.63	3.8	1.4	1.1	25	<0.1	0.1	<0.1	59	0.36	0.182	4
L2+00N 18+50W	Soil	0.5	96.7	2.9	48	<0.1	26.7	17.9	571	3.23	4.0	5.7	1.0	42	<0.1	0.2	<0.1	89	0.61	0.138	8
L2+00N 19+00W	Soil	0.5	43.2	3.6	40	0.1	16.7	12.8	472	2.49	2.1	<0.5	0.7	31	<0.1	0.1	<0.1	60	0.40	0.173	3
L2+00N 19+50W	Soil	0.4	35.8	3.6	43	0.1	17.2	11.4	304	2.24	1.9	9.6	1.0	30	<0.1	0.1	0.1	52	0.40	0.153	3
L2+00N 20+00W	Soil	0.3	28.0	3.8	33	<0.1	15.5	11.6	348	2.48	1.1	<0.5	1.1	28	<0.1	0.1	0.1	53	0.37	0.143	4
L2+00N 20+50W	Soil	0.4	26.3	3.6	34	<0.1	13.7	10.8	410	2.17	1.5	<0.5	0.7	25	<0.1	0.1	0.1	48	0.31	0.125	3

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	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L2+00N 05+00W	Soil	31	0.75	214	0.103	<20	1.89	0.010	0.34	<0.1	0.03	3.5	<0.1	<0.05	6	<0.5	<0.2
L2+00N 05+50W	Soil	37	0.81	179	0.109	<20	2.01	0.009	0.25	<0.1	0.02	4.2	<0.1	<0.05	6	<0.5	<0.2
L2+00N 06+00W	Soil	38	0.82	223	0.094	<20	2.03	0.008	0.27	<0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
L2+00N 06+50W	Soil	47	0.78	201	0.095	<20	1.86	0.010	0.38	0.2	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
L2+00N 07+00W	Soil	51	1.56	164	0.119	<20	2.60	0.009	0.08	0.1	0.04	8.0	<0.1	<0.05	8	<0.5	<0.2
L2+00N 07+50W	Soil	53	1.09	168	0.139	<20	2.45	0.010	0.14	<0.1	0.02	6.5	<0.1	<0.05	7	<0.5	<0.2
L2+00N 08+00W	Soil	49	1.23	175	0.112	<20	2.13	0.009	0.32	<0.1	0.02	7.8	<0.1	<0.05	6	<0.5	<0.2
L2+00N 08+50W	Soil	37	1.09	223	0.130	<20	2.76	0.009	0.25	<0.1	0.02	6.0	<0.1	<0.05	7	<0.5	<0.2
L2+00N 09+00W	Soil	42	1.40	261	0.147	<20	2.67	0.008	0.58	0.1	0.05	6.5	0.1	<0.05	7	<0.5	<0.2
L2+00N 09+50W	Soil	44	1.10	330	0.116	<20	2.65	0.009	0.12	0.1	0.02	5.4	<0.1	<0.05	7	<0.5	<0.2
L2+00N 10+00W	Soil	63	1.72	266	0.133	<20	2.83	0.006	0.36	<0.1	0.03	7.3	0.1	<0.05	8	<0.5	<0.2
L2+00N 10+50W	Soil	68	1.66	184	0.145	<20	2.67	0.009	0.34	<0.1	0.02	7.2	<0.1	<0.05	8	<0.5	<0.2
L2+00N 11+00W	Soil	70	1.56	169	0.138	<20	2.45	0.008	0.48	0.1	0.02	11.8	<0.1	<0.05	7	<0.5	<0.2
L2+00N 11+50W	Soil	46	0.68	275	0.088	<20	1.85	0.016	0.21	<0.1	0.02	5.2	<0.1	<0.05	6	<0.5	<0.2
L2+00N 12+00W	Soil	90	0.83	92	0.112	<20	1.73	0.011	0.11	<0.1	0.02	4.1	<0.1	<0.05	7	<0.5	<0.2
L2+00N 12+50W	Soil	79	0.79	49	0.131	<20	1.46	0.008	0.15	<0.1	0.01	4.9	<0.1	<0.05	5	<0.5	<0.2
L2+00N 13+00W	Soil	39	0.72	98	0.116	<20	1.25	0.011	0.26	<0.1	0.03	4.2	<0.1	<0.05	4	<0.5	<0.2
L2+00N 13+50W	Soil	50	0.81	161	0.112	<20	1.89	0.010	0.16	<0.1	<0.01	4.7	<0.1	<0.05	6	<0.5	<0.2
L2+00N 14+00W	Soil	26	0.42	146	0.075	<20	1.19	0.008	0.12	0.4	0.07	1.9	<0.1	<0.05	4	<0.5	<0.2
L2+00N 14+50W	Soil	35	0.52	101	0.084	<20	1.34	0.008	0.10	<0.1	0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
L2+00N 15+00W	Soil	35	0.77	143	0.097	<20	1.79	0.009	0.12	0.1	0.03	3.8	<0.1	<0.05	5	<0.5	<0.2
L2+00N 15+50W	Soil	31	0.60	132	0.118	<20	1.72	0.010	0.10	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
L2+00N 16+00W	Soil	38	0.64	131	0.099	<20	1.84	0.009	0.09	0.1	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
L2+00N 17+50W	Soil	33	0.65	127	0.117	<20	2.29	0.010	0.10	0.1	0.02	3.8	<0.1	<0.05	6	<0.5	<0.2
L2+00N 18+00W	Soil	31	0.63	128	0.114	<20	2.08	0.009	0.11	0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
L2+00N 18+50W	Soil	52	1.18	142	0.132	<20	1.97	0.008	0.26	0.1	0.02	6.8	<0.1	<0.05	6	<0.5	<0.2
L2+00N 19+00W	Soil	31	0.62	171	0.106	<20	1.92	0.010	0.13	0.1	0.02	3.8	<0.1	<0.05	6	<0.5	<0.2
L2+00N 19+50W	Soil	27	0.57	152	0.099	<20	1.94	0.010	0.10	0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
L2+00N 20+00W	Soil	29	0.59	180	0.099	<20	1.92	0.009	0.12	<0.1	0.01	3.5	<0.1	<0.05	6	<0.5	<0.2
L2+00N 20+50W	Soil	25	0.51	136	0.091	<20	1.55	0.008	0.09	0.1	0.01	3.3	<0.1	<0.05	5	<0.5	<0.2

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Project: MELBA
Report Date: June 09, 2017

CERTIFICATE OF ANALYSIS VAN17000992.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L2+00N 21+00W	Soil	0.5	37.4	3.4	38	0.1	14.9	11.6	606	2.30	1.9	2.6	0.9	23	<0.1	0.1	<0.1	54	0.29	0.174	3
L2+00N 21+50W	Soil	0.5	24.7	4.2	29	0.1	12.5	9.8	370	2.34	1.5	<0.5	0.7	25	<0.1	<0.1	0.1	53	0.26	0.121	3
L2+00N 22+00W	Soil	0.5	32.4	3.6	31	0.1	13.3	10.8	550	2.20	1.9	<0.5	0.8	22	<0.1	0.1	<0.1	52	0.27	0.163	3
L2+00N 22+50W	Soil	0.3	36.1	2.7	29	<0.1	12.8	11.2	434	2.09	2.6	1.2	0.9	30	<0.1	0.1	<0.1	56	0.39	0.149	4
L2+00N 23+00W	Soil	0.3	40.2	3.3	34	0.1	14.5	12.1	355	2.53	2.2	6.0	0.6	30	<0.1	0.1	<0.1	65	0.38	0.134	3
L2+00N 23+50W	Soil	0.3	24.5	3.0	26	<0.1	12.3	8.9	264	2.33	1.1	4.6	0.9	33	<0.1	0.1	<0.1	60	0.43	0.123	3
L2+00N 24+00W	Soil	0.4	67.4	4.1	13	0.1	9.9	4.8	96	1.00	1.4	3.5	0.1	45	<0.1	0.3	<0.1	35	0.98	0.102	4
L2+00S 00+00W	Soil	1.1	31.2	14.8	97	0.3	20.7	13.6	856	2.78	3.5	<0.5	1.1	24	0.3	0.1	0.2	59	0.42	0.126	5
L2+00S 00+50W	Soil	0.7	28.3	5.9	74	0.2	21.0	12.7	574	2.66	3.4	<0.5	1.2	20	0.2	0.1	0.1	60	0.31	0.124	5
L2+00S 01+00W	Soil	0.8	40.9	5.9	45	0.2	25.6	13.8	483	2.80	3.5	<0.5	1.4	40	<0.1	0.2	0.1	67	0.60	0.027	8
L2+00S 01+50W	Soil	0.5	43.7	7.4	45	0.1	21.4	14.7	409	2.69	4.1	0.9	1.3	36	<0.1	0.1	<0.1	68	0.47	0.052	6
L2+00S 02+00W	Soil	0.6	24.0	4.8	68	<0.1	18.3	11.9	573	2.65	2.6	5.7	0.9	28	0.1	0.1	<0.1	55	0.41	0.093	4
L2+00S 02+50W	Soil	0.7	35.6	4.4	94	<0.1	23.1	14.4	767	3.00	2.9	<0.5	0.8	28	0.2	0.1	<0.1	57	0.43	0.106	3
L2+00S 03+00W	Soil	0.5	45.5	3.8	106	<0.1	23.3	18.5	918	3.17	4.8	<0.5	1.0	25	0.2	<0.1	<0.1	65	0.46	0.232	5
L2+00S 03+50W	Soil	0.6	32.2	4.4	66	0.1	17.7	12.5	609	2.60	3.6	<0.5	1.2	25	0.1	0.1	<0.1	54	0.32	0.175	6
L2+00S 04+00W	Soil	0.4	35.3	3.8	102	<0.1	26.4	16.7	937	3.17	4.6	<0.5	1.0	28	0.1	<0.1	<0.1	59	0.44	0.165	4
L2+00S 04+50W	Soil	0.3	32.1	3.7	38	<0.1	15.7	10.9	276	2.29	2.8	<0.5	0.6	35	<0.1	<0.1	<0.1	52	0.51	0.047	4
L2+00S 05+00W	Soil	0.4	27.6	3.6	47	0.1	14.9	11.9	436	2.31	3.0	<0.5	0.6	28	<0.1	<0.1	<0.1	50	0.30	0.168	4
L2+00S 05+50W	Soil	0.4	44.5	3.5	42	<0.1	17.9	14.5	778	2.99	2.3	1.0	0.8	49	<0.1	0.1	<0.1	71	0.51	0.102	5
L2+00S 06+00W	Soil	0.5	51.0	3.8	48	0.2	17.8	14.3	849	2.71	2.4	<0.5	0.8	39	<0.1	0.1	<0.1	67	0.46	0.092	6
L2+00S 06+50W	Soil	0.4	30.5	3.3	56	<0.1	15.7	10.9	712	2.49	2.1	<0.5	0.9	37	<0.1	0.1	<0.1	65	0.42	0.112	3
L2+00S 07+00W	Soil	0.6	44.5	4.1	55	0.1	18.4	14.2	1096	2.89	2.2	<0.5	0.8	54	0.2	0.2	<0.1	74	0.70	0.085	5
L2+00S 07+50W	Soil	0.5	39.5	3.7	57	<0.1	19.3	15.1	706	3.00	2.6	<0.5	1.0	41	<0.1	0.1	0.1	77	0.57	0.096	5
L2+00S 08+00W	Soil	0.6	52.7	4.0	60	<0.1	23.0	16.4	988	3.30	3.0	1.3	1.1	48	0.2	0.1	0.1	93	0.64	0.086	6
L2+00S 08+50W	Soil	0.6	56.1	4.5	61	0.1	21.6	16.5	824	3.19	3.0	5.4	1.2	47	0.2	0.2	0.1	93	0.59	0.189	6
L2+00S 09+00W	Soil	0.3	51.0	4.3	67	0.1	21.2	14.9	612	3.17	3.2	1.6	1.5	46	0.1	0.1	0.1	83	0.57	0.174	6
L2+00S 09+50W	Soil	0.4	53.8	3.4	56	0.2	22.2	16.8	338	3.62	3.2	1.3	1.1	44	<0.1	0.2	0.1	105	0.56	0.156	5
L2+00S 10+00W	Soil	0.4	52.8	3.9	76	<0.1	24.1	17.8	1058	3.60	2.7	0.5	1.2	42	0.2	0.1	<0.1	110	0.70	0.092	6
L2+00S 10+50W	Soil	0.6	37.6	4.6	63	<0.1	28.9	20.3	1945	3.90	2.2	1.1	1.1	40	0.2	0.2	0.1	130	0.80	0.065	5
L2+00S 11+00W	Soil	0.4	22.6	3.9	42	<0.1	29.1	16.8	985	4.10	3.7	<0.5	0.9	30	<0.1	0.1	<0.1	135	0.58	0.027	4

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		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L2+00N 21+00W	Soil		30	0.57	133	0.091	<20	1.75	0.008	0.08	0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
L2+00N 21+50W	Soil		28	0.54	105	0.099	<20	1.78	0.009	0.08	0.1	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
L2+00N 22+00W	Soil		25	0.52	92	0.087	<20	1.64	0.009	0.07	0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
L2+00N 22+50W	Soil		27	0.54	106	0.096	<20	1.43	0.008	0.07	<0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
L2+00N 23+00W	Soil		31	0.61	91	0.100	<20	1.77	0.007	0.10	<0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
L2+00N 23+50W	Soil		30	0.57	111	0.113	<20	1.36	0.009	0.11	<0.1	0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
L2+00N 24+00W	Soil		19	0.28	93	0.025	<20	0.75	0.008	0.04	<0.1	0.10	2.2	<0.1	0.07	2	0.5	<0.2
L2+00S 00+00W	Soil		33	0.80	214	0.119	<20	2.25	0.009	0.40	<0.1	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
L2+00S 00+50W	Soil		35	0.79	196	0.111	<20	2.17	0.008	0.27	<0.1	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
L2+00S 01+00W	Soil		39	0.71	195	0.131	<20	2.21	0.012	0.27	<0.1	0.04	4.8	0.1	<0.05	6	<0.5	<0.2
L2+00S 01+50W	Soil		39	0.86	173	0.126	<20	2.22	0.011	0.24	<0.1	0.02	4.6	0.1	<0.05	6	<0.5	<0.2
L2+00S 02+00W	Soil		32	0.79	209	0.119	<20	1.83	0.009	0.33	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
L2+00S 02+50W	Soil		32	0.98	233	0.121	<20	2.13	0.009	0.44	<0.1	0.03	3.2	0.1	<0.05	5	<0.5	<0.2
L2+00S 03+00W	Soil		31	1.18	345	0.153	<20	2.78	0.010	0.54	0.1	0.02	3.1	0.2	<0.05	6	<0.5	<0.2
L2+00S 03+50W	Soil		31	0.70	209	0.104	<20	2.14	0.009	0.24	<0.1	0.03	4.4	<0.1	<0.05	6	<0.5	<0.2
L2+00S 04+00W	Soil		47	1.09	256	0.129	<20	2.85	0.009	0.31	<0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
L2+00S 04+50W	Soil		30	0.74	110	0.104	<20	1.71	0.010	0.23	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
L2+00S 05+00W	Soil		31	0.63	155	0.084	<20	1.71	0.010	0.17	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
L2+00S 05+50W	Soil		39	0.83	143	0.124	<20	1.82	0.010	0.28	<0.1	<0.01	4.4	<0.1	<0.05	5	<0.5	<0.2
L2+00S 06+00W	Soil		36	0.79	229	0.118	<20	2.06	0.013	0.20	<0.1	0.02	4.0	<0.1	<0.05	6	<0.5	<0.2
L2+00S 06+50W	Soil		39	0.76	156	0.118	<20	1.72	0.010	0.28	<0.1	0.04	4.0	<0.1	<0.05	5	<0.5	<0.2
L2+00S 07+00W	Soil		42	0.86	199	0.127	<20	1.91	0.011	0.33	<0.1	0.03	5.1	<0.1	<0.05	5	<0.5	<0.2
L2+00S 07+50W	Soil		41	0.86	218	0.133	<20	2.02	0.012	0.37	<0.1	0.02	6.3	<0.1	<0.05	5	<0.5	<0.2
L2+00S 08+00W	Soil		52	0.99	230	0.141	<20	2.15	0.011	0.41	<0.1	0.02	7.0	<0.1	<0.05	6	<0.5	<0.2
L2+00S 08+50W	Soil		44	0.98	241	0.131	<20	2.37	0.011	0.31	<0.1	0.02	7.0	<0.1	<0.05	7	<0.5	<0.2
L2+00S 09+00W	Soil		43	0.93	259	0.135	<20	2.66	0.014	0.26	0.1	0.02	7.0	<0.1	<0.05	8	<0.5	<0.2
L2+00S 09+50W	Soil		55	1.21	160	0.141	<20	2.54	0.011	0.36	0.1	0.02	7.5	<0.1	<0.05	8	<0.5	<0.2
L2+00S 10+00W	Soil		58	1.35	255	0.143	<20	2.82	0.011	0.39	0.2	0.03	10.2	0.1	<0.05	7	<0.5	<0.2
L2+00S 10+50W	Soil		72	1.29	301	0.130	<20	2.49	0.009	0.47	0.2	0.04	14.0	<0.1	<0.05	8	<0.5	<0.2
L2+00S 11+00W	Soil		96	1.20	141	0.126	<20	2.18	0.010	0.20	0.1	0.02	14.1	<0.1	<0.05	7	<0.5	<0.2

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	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L2+00S 11+50W	Soil	0.4	25.1	8.3	56	0.2	23.9	11.9	327	2.66	6.4	<0.5	1.2	29	0.1	0.1	0.1	77	0.45	0.075	4
L2+00S 12+00W	Soil	0.3	8.2	3.3	38	<0.1	16.3	8.6	712	2.21	1.0	1.6	0.3	20	<0.1	<0.1	<0.1	55	0.38	0.046	2
L2+00S 12+50W	Soil	1.0	33.0	4.5	44	0.1	40.9	21.2	837	3.86	22.1	11.4	0.8	49	0.1	0.6	0.1	102	0.74	0.053	5
L2+00S 13+00W	Soil	0.7	23.9	4.2	55	0.3	29.6	15.0	611	3.14	4.1	0.8	0.8	30	0.1	0.2	0.1	85	0.41	0.085	4
L2+00S 13+50W	Soil	0.4	21.5	3.5	45	<0.1	25.0	14.7	683	3.24	2.2	<0.5	1.1	34	<0.1	0.2	0.2	106	0.50	0.045	5
L2+00S 14+00W	Soil	0.5	39.8	4.1	51	0.1	29.3	17.6	815	3.92	2.5	3.5	1.3	39	<0.1	0.2	0.4	112	0.56	0.045	6
L2+00S 14+50W	Soil	0.5	20.5	3.9	39	0.1	18.0	10.0	479	2.61	1.7	1.2	1.0	31	<0.1	0.1	0.1	73	0.39	0.063	3
L2+00S 15+00W	Soil	0.3	17.8	4.0	34	<0.1	14.2	8.6	631	2.14	1.2	0.8	0.6	34	<0.1	0.1	<0.1	70	0.46	0.041	2
L2+00S 15+50W	Soil	0.4	27.1	3.6	34	0.1	15.9	11.1	352	2.75	1.7	1.4	0.9	31	<0.1	0.2	0.1	75	0.43	0.094	4
L2+00S 16+00W	Soil	0.3	52.6	4.1	37	0.1	14.7	12.2	704	2.99	2.1	1.2	1.0	41	<0.1	0.1	0.1	72	0.73	0.052	5
L2+00S 16+50W	Soil	0.6	27.5	4.1	42	0.1	14.1	11.1	693	2.42	1.3	<0.5	0.6	31	<0.1	0.1	0.1	60	0.45	0.110	3
L2+00S 17+00W	Soil	0.4	41.3	4.0	35	0.1	12.8	11.0	313	2.60	1.2	4.2	0.8	41	<0.1	0.1	0.1	66	0.53	0.070	5
L2+00S 17+50W	Soil	0.9	31.5	5.0	76	0.2	17.9	11.0	1174	2.43	1.7	<0.5	0.9	37	0.1	0.1	0.1	58	0.54	0.178	4
L2+00S 18+00W	Soil	0.4	41.2	4.6	50	0.2	21.0	11.5	436	2.66	1.9	3.5	1.2	36	<0.1	0.1	0.1	69	0.54	0.138	5
L2+00S 18+50W	Soil	0.9	24.1	4.8	48	0.2	14.1	9.7	812	2.19	1.8	<0.5	1.1	32	0.1	0.1	0.1	58	0.45	0.091	4
L2+00S 19+00W	Soil	0.3	66.1	3.1	35	0.1	19.3	13.9	464	2.83	5.0	8.2	1.3	57	0.1	0.3	0.1	87	1.28	0.163	7
L2+00S 19+50W	Soil	0.5	24.1	4.2	29	<0.1	14.8	10.4	540	2.38	2.0	0.5	0.6	33	<0.1	0.2	0.1	63	0.46	0.068	3
L2+00S 20+00W	Soil	1.0	144.6	3.3	31	0.3	16.2	11.9	899	2.20	3.4	5.1	0.3	76	0.1	0.4	<0.1	76	1.90	0.123	5
L2+00S 20+50W	Soil	0.3	27.9	4.1	38	<0.1	12.0	10.8	350	2.15	1.9	<0.5	0.8	40	<0.1	0.1	0.1	60	0.51	0.083	4
L2+00S 21+00W	Soil	0.3	67.5	4.6	34	0.1	15.7	10.1	681	2.57	2.7	1.0	1.3	48	<0.1	0.2	0.2	68	0.86	0.047	7
L2+00S 21+50W	Soil	0.2	37.3	3.7	27	<0.1	12.7	10.4	252	2.33	1.8	<0.5	1.1	43	<0.1	0.2	0.1	64	0.56	0.067	5
L2+00S 22+00W	Soil	0.4	61.1	3.4	44	0.1	15.7	12.1	355	2.93	2.8	<0.5	1.3	42	<0.1	0.2	0.1	80	0.54	0.175	4
L2+00S 22+50W	Soil	0.5	29.2	4.2	46	<0.1	13.3	11.4	610	2.34	1.5	<0.5	0.9	35	<0.1	0.1	0.1	66	0.46	0.125	3
L2+00S 23+00W	Soil	0.6	30.1	4.2	37	0.1	11.9	10.6	630	2.45	1.4	1.7	0.6	43	<0.1	0.2	<0.1	71	0.47	0.114	3
L2+00S 23+50W	Soil	0.5	27.0	3.5	40	0.1	12.3	9.0	250	2.11	1.5	7.9	0.8	29	<0.1	0.1	<0.1	52	0.33	0.110	3
L2+00S 24+00W	Soil	0.3	37.1	3.2	36	<0.1	14.1	11.0	334	2.67	1.8	11.0	1.0	46	<0.1	0.2	<0.1	71	0.51	0.094	4
L2+00S 24+50W	Soil	0.3	35.2	3.0	34	0.1	13.2	10.2	272	2.45	1.5	2.0	1.0	45	<0.1	0.2	<0.1	67	0.51	0.082	5
L2+00S 25+00W	Soil	0.2	73.2	2.5	32	0.2	13.7	8.9	211	1.85	1.0	6.5	0.4	50	<0.1	0.3	<0.1	54	0.87	0.114	6
L2+00S 25+50W	Soil	0.5	28.5	3.0	36	0.1	13.1	9.1	311	2.34	1.4	7.6	0.9	42	<0.1	0.1	0.1	66	0.44	0.068	4
L2+00S 26+00W	Soil	0.4	34.5	3.5	37	<0.1	13.8	10.0	430	2.58	1.7	1.8	1.0	47	<0.1	0.2	0.1	75	0.52	0.089	5

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Project: MELBA
Report Date: June 09, 2017

CERTIFICATE OF ANALYSIS VAN17000992.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L2+00S 11+50W	Soil		56	0.75	162	0.121	<20	2.51	0.014	0.11	0.1	0.01	7.0	<0.1	<0.05	8	<0.5	<0.2
L2+00S 12+00W	Soil		64	0.62	111	0.083	<20	1.62	0.012	0.16	<0.1	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
L2+00S 12+50W	Soil		126	0.99	156	0.106	<20	1.91	0.010	0.17	0.2	0.04	28.2	<0.1	<0.05	6	<0.5	<0.2
L2+00S 13+00W	Soil		117	0.79	181	0.112	<20	2.06	0.011	0.16	0.1	0.02	9.7	<0.1	<0.05	6	<0.5	<0.2
L2+00S 13+50W	Soil		86	0.98	161	0.135	<20	2.12	0.013	0.31	1.1	0.01	9.3	<0.1	<0.05	6	<0.5	<0.2
L2+00S 14+00W	Soil		93	1.08	189	0.142	<20	2.13	0.011	0.41	0.1	0.02	12.4	0.1	<0.05	6	<0.5	<0.2
L2+00S 14+50W	Soil		43	0.66	154	0.135	<20	1.97	0.015	0.16	<0.1	0.02	4.3	<0.1	<0.05	6	<0.5	<0.2
L2+00S 15+00W	Soil		39	0.49	168	0.132	<20	1.52	0.010	0.14	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
L2+00S 15+50W	Soil		42	0.71	147	0.124	<20	1.69	0.011	0.13	<0.1	0.01	4.3	<0.1	<0.05	5	<0.5	<0.2
L2+00S 16+00W	Soil		29	0.76	153	0.127	<20	1.98	0.012	0.17	0.1	0.03	4.6	<0.1	<0.05	6	<0.5	<0.2
L2+00S 16+50W	Soil		31	0.59	142	0.113	<20	1.72	0.009	0.16	0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
L2+00S 17+00W	Soil		32	0.64	155	0.134	<20	1.83	0.013	0.12	<0.1	0.01	4.5	<0.1	<0.05	5	<0.5	<0.2
L2+00S 17+50W	Soil		34	0.61	218	0.105	<20	1.84	0.012	0.15	0.1	0.03	3.7	<0.1	<0.05	6	<0.5	<0.2
L2+00S 18+00W	Soil		37	0.67	173	0.123	<20	2.16	0.013	0.19	<0.1	0.01	4.4	<0.1	<0.05	6	<0.5	<0.2
L2+00S 18+50W	Soil		30	0.56	137	0.112	<20	1.75	0.010	0.16	0.1	0.04	3.1	<0.1	<0.05	5	<0.5	<0.2
L2+00S 19+00W	Soil		42	0.91	112	0.124	<20	1.38	0.011	0.24	0.1	0.04	5.3	<0.1	<0.05	4	<0.5	<0.2
L2+00S 19+50W	Soil		30	0.60	130	0.127	<20	1.42	0.010	0.16	0.7	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
L2+00S 20+00W	Soil		32	0.69	219	0.058	<20	1.54	0.014	0.07	<0.1	0.12	3.4	<0.1	0.09	4	2.7	<0.2
L2+00S 20+50W	Soil		29	0.58	133	0.121	<20	1.62	0.011	0.09	<0.1	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
L2+00S 21+00W	Soil		33	0.70	174	0.144	<20	2.04	0.014	0.19	0.1	0.06	5.4	<0.1	<0.05	6	<0.5	<0.2
L2+00S 21+50W	Soil		28	0.56	148	0.133	<20	1.74	0.012	0.13	<0.1	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
L2+00S 22+00W	Soil		34	0.78	131	0.141	<20	2.15	0.009	0.11	0.1	0.01	4.7	<0.1	<0.05	6	<0.5	<0.2
L2+00S 22+50W	Soil		28	0.54	142	0.130	<20	2.14	0.012	0.11	0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
L2+00S 23+00W	Soil		28	0.57	113	0.128	<20	1.55	0.009	0.09	<0.1	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
L2+00S 23+50W	Soil		25	0.47	138	0.101	<20	1.60	0.008	0.10	0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
L2+00S 24+00W	Soil		33	0.68	110	0.149	<20	1.46	0.008	0.12	0.1	0.02	4.0	<0.1	<0.05	4	<0.5	<0.2
L2+00S 24+50W	Soil		31	0.62	118	0.146	<20	1.40	0.012	0.13	0.1	<0.01	3.6	<0.1	<0.05	4	<0.5	<0.2
L2+00S 25+00W	Soil		36	0.70	124	0.060	<20	1.61	0.011	0.06	<0.1	0.11	6.2	<0.1	<0.05	4	<0.5	<0.2
L2+00S 25+50W	Soil		29	0.53	104	0.146	<20	1.50	0.010	0.09	0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
L2+00S 26+00W	Soil		32	0.59	120	0.144	<20	1.49	0.012	0.08	0.2	0.01	4.3	<0.1	<0.05	5	<0.5	<0.2

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	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L2+00S 26+50W	Soil	0.6	28.3	3.4	48	<0.1	15.9	9.7	466	2.53	1.6	2.9	1.0	43	<0.1	0.2	0.1	70	0.45	0.084	4
L2+00S 27+00W	Soil	0.5	30.2	3.0	40	<0.1	13.4	10.2	397	2.47	1.5	2.0	0.9	49	<0.1	0.2	<0.1	70	0.48	0.071	4
L2+00S 27+50W	Soil	1.1	26.2	3.9	44	<0.1	11.5	9.7	784	2.41	1.5	5.4	0.7	46	<0.1	0.2	0.1	66	0.49	0.089	4
L2+00S 28+00W	Soil	0.6	29.9	3.6	42	<0.1	12.9	9.8	528	2.43	1.9	20.1	0.8	46	<0.1	0.2	0.1	72	0.50	0.095	4
L2+00S 28+50W	Soil	0.4	43.9	3.3	39	<0.1	14.4	10.3	395	2.86	2.5	8.4	0.9	47	<0.1	0.3	0.1	84	0.52	0.094	5
L2+00S 29+00W	Soil	0.4	47.2	2.5	32	<0.1	14.9	11.8	329	2.88	2.7	11.4	1.1	54	<0.1	0.3	0.1	90	0.65	0.085	6
L2+00S 29+50W	Soil	0.5	85.4	3.1	44	<0.1	23.7	13.8	527	3.38	4.5	36.2	1.3	56	0.1	0.5	0.1	86	0.84	0.168	8
L2+00S 30+00W	Soil	0.5	31.8	4.3	48	<0.1	14.2	9.8	549	2.56	1.3	10.2	0.9	45	<0.1	0.2	0.2	72	0.48	0.080	4
L4+00S 00+00W	Soil	1.4	35.6	25.2	128	0.2	17.6	13.5	715	3.40	3.6	2.7	2.2	44	0.8	0.2	0.3	66	0.46	0.114	11
L4+00S 00+50W	Soil	1.4	42.4	13.1	98	0.1	19.2	13.6	585	3.28	2.6	1.6	1.6	36	0.2	0.1	0.1	68	0.36	0.126	9
L4+00S 01+00W	Soil	1.1	38.2	20.1	137	0.2	21.0	14.7	559	3.49	3.2	1.1	1.5	31	0.3	0.2	0.1	70	0.39	0.155	8
L4+00S 01+50W	Soil	0.7	44.0	5.2	59	0.1	19.6	15.9	562	3.50	1.6	0.9	1.7	41	0.1	0.1	<0.1	76	0.46	0.057	10
L4+00S 02+00W	Soil	0.7	37.3	5.2	90	0.1	18.6	14.5	1696	3.21	3.4	45.3	1.4	48	0.3	0.1	<0.1	70	0.76	0.101	7
L4+00S 02+50W	Soil	0.4	45.3	3.8	65	0.2	21.6	15.3	462	3.25	4.0	3.7	1.3	43	<0.1	0.2	<0.1	76	0.45	0.121	5
L4+00S 03+00W	Soil	0.7	28.4	4.3	66	<0.1	19.3	13.0	895	3.13	2.8	1.3	1.2	31	0.1	0.1	<0.1	64	0.48	0.081	5
L4+00S 03+50W	Soil	0.6	37.4	3.8	77	0.2	21.7	15.5	745	3.24	3.8	1.3	0.9	35	0.1	0.1	<0.1	67	0.40	0.140	5
L4+00S 04+00W	Soil	0.8	44.5	5.0	65	0.2	20.0	15.2	671	3.21	4.2	1.8	1.0	47	0.1	0.2	<0.1	67	0.53	0.108	8
L4+00S 04+50W	Soil	1.0	66.8	4.0	77	0.1	26.5	18.7	860	3.67	4.9	2.8	1.1	49	0.2	0.2	<0.1	80	0.61	0.077	7
L4+00S 05+00W	Soil	1.3	34.0	5.5	101	0.2	21.9	17.0	1853	3.60	13.9	1.7	0.9	45	0.3	0.3	0.1	69	0.72	0.033	5
L4+00S 05+50W	Soil	0.2	93.7	3.7	51	0.2	20.5	12.3	292	3.12	2.0	1.7	0.9	69	<0.1	0.1	<0.1	74	0.90	0.051	6
L4+00S 06+00W	Soil	0.4	51.1	3.8	47	0.2	20.4	13.9	723	2.80	2.4	1.2	0.9	56	<0.1	0.1	<0.1	76	0.56	0.078	6
L4+00S 06+50W	Soil	0.5	43.2	3.5	48	0.1	17.8	13.6	455	2.63	1.9	1.3	0.9	43	<0.1	0.1	<0.1	64	0.38	0.162	5
L4+00S 07+00W	Soil	0.6	51.8	3.7	50	0.2	17.8	14.3	916	2.54	2.6	4.3	0.8	62	<0.1	0.1	<0.1	62	0.80	0.082	4
L4+00S 07+50W	Soil	0.7	47.0	3.2	43	<0.1	18.6	13.9	874	2.76	1.9	1.6	1.0	53	<0.1	0.1	<0.1	72	0.47	0.050	5
L4+00S 08+00W	Soil	0.6	55.8	3.4	60	0.2	19.8	16.2	1294	2.99	1.9	2.1	0.9	66	0.2	0.1	<0.1	73	0.79	0.110	5
L4+00S 08+50W	Soil	0.4	50.5	3.8	64	0.1	23.1	16.2	742	2.99	2.6	1.5	1.1	44	<0.1	0.1	<0.1	76	0.51	0.135	4
L4+00S 09+00W	Soil	0.5	61.8	3.4	52	0.1	20.6	15.7	781	3.09	3.0	1.4	1.0	51	<0.1	0.1	<0.1	86	0.59	0.145	6
L4+00S 09+50W	Soil	0.5	30.7	4.7	51	0.1	15.1	10.8	1341	2.26	2.4	0.8	0.6	46	0.1	0.1	0.1	59	0.61	0.090	4
L4+00S 10+00W	Soil	0.6	21.4	3.8	37	<0.1	15.8	10.5	734	2.43	1.7	1.2	0.6	44	<0.1	0.1	<0.1	62	0.48	0.053	3
L4+00S 10+50W	Soil	0.5	103.0	3.2	51	<0.1	34.7	23.7	649	4.81	5.1	7.2	0.9	55	<0.1	0.3	<0.1	155	0.63	0.091	5

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Vancouver British Columbia V6N 3T8 Canada

Project: MELBA
Report Date: June 09, 2017

CERTIFICATE OF ANALYSIS VAN17000992.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L2+00S 26+50W	Soil		30	0.48	119	0.143	<20	1.60	0.010	0.09	0.1	0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
L2+00S 27+00W	Soil		31	0.57	97	0.158	<20	1.45	0.010	0.09	0.1	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
L2+00S 27+50W	Soil		28	0.47	104	0.133	<20	1.19	0.011	0.09	0.3	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
L2+00S 28+00W	Soil		31	0.55	102	0.141	<20	1.38	0.010	0.08	0.3	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
L2+00S 28+50W	Soil		35	0.66	95	0.151	<20	1.33	0.009	0.07	0.2	0.03	4.2	<0.1	<0.05	4	<0.5	<0.2
L2+00S 29+00W	Soil		36	0.70	88	0.173	<20	1.19	0.011	0.10	0.1	0.02	5.3	<0.1	<0.05	4	<0.5	<0.2
L2+00S 29+50W	Soil		43	0.96	147	0.128	<20	1.73	0.012	0.12	0.3	0.07	7.3	<0.1	<0.05	5	<0.5	<0.2
L2+00S 30+00W	Soil		32	0.50	122	0.149	<20	1.73	0.011	0.11	0.2	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
L4+00S 00+00W	Soil		29	0.87	209	0.155	<20	2.26	0.012	0.64	<0.1	0.02	4.2	0.2	<0.05	7	<0.5	<0.2
L4+00S 00+50W	Soil		31	0.89	224	0.151	<20	2.33	0.011	0.52	<0.1	0.02	4.5	0.2	<0.05	7	<0.5	<0.2
L4+00S 01+00W	Soil		33	0.93	211	0.162	<20	2.58	0.013	0.77	<0.1	<0.01	4.3	0.2	<0.05	7	<0.5	<0.2
L4+00S 01+50W	Soil		33	1.08	199	0.180	<20	2.39	0.014	0.69	0.1	0.02	4.8	0.1	<0.05	6	<0.5	<0.2
L4+00S 02+00W	Soil		29	0.95	385	0.145	<20	2.08	0.010	0.64	<0.1	0.04	4.2	0.1	<0.05	6	<0.5	<0.2
L4+00S 02+50W	Soil		39	1.02	161	0.152	<20	2.18	0.009	0.38	<0.1	0.02	4.7	0.1	<0.05	6	<0.5	<0.2
L4+00S 03+00W	Soil		34	0.97	226	0.138	<20	2.17	0.012	0.60	<0.1	0.02	3.8	0.1	<0.05	5	<0.5	<0.2
L4+00S 03+50W	Soil		33	0.96	256	0.142	<20	2.26	0.011	0.44	<0.1	<0.01	3.9	0.1	<0.05	6	<0.5	<0.2
L4+00S 04+00W	Soil		36	0.93	219	0.138	<20	2.19	0.012	0.50	<0.1	0.02	4.5	0.1	<0.05	6	<0.5	<0.2
L4+00S 04+50W	Soil		43	1.10	208	0.163	<20	2.29	0.010	0.58	0.1	0.02	5.2	0.2	<0.05	6	<0.5	<0.2
L4+00S 05+00W	Soil		36	0.93	232	0.157	<20	2.53	0.012	0.44	<0.1	0.03	5.4	0.1	<0.05	7	<0.5	<0.2
L4+00S 05+50W	Soil		45	1.05	133	0.143	<20	2.28	0.019	0.29	<0.1	0.03	6.6	<0.1	<0.05	6	<0.5	<0.2
L4+00S 06+00W	Soil		41	0.87	162	0.147	<20	2.07	0.019	0.26	<0.1	0.02	5.4	<0.1	<0.05	6	<0.5	<0.2
L4+00S 06+50W	Soil		37	0.80	184	0.122	<20	1.97	0.013	0.23	<0.1	0.02	4.7	<0.1	<0.05	6	<0.5	<0.2
L4+00S 07+00W	Soil		36	0.80	191	0.111	<20	1.72	0.010	0.35	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
L4+00S 07+50W	Soil		40	0.87	195	0.147	<20	1.77	0.013	0.28	<0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
L4+00S 08+00W	Soil		43	0.95	272	0.124	<20	1.81	0.012	0.35	<0.1	0.02	5.4	<0.1	<0.05	5	<0.5	<0.2
L4+00S 08+50W	Soil		40	0.84	250	0.140	<20	2.20	0.016	0.25	<0.1	0.01	4.9	<0.1	<0.05	6	<0.5	<0.2
L4+00S 09+00W	Soil		42	0.86	256	0.126	<20	1.88	0.014	0.26	0.1	0.02	5.8	<0.1	<0.05	5	<0.5	<0.2
L4+00S 09+50W	Soil		28	0.65	278	0.084	<20	1.79	0.012	0.28	0.1	0.05	3.5	<0.1	<0.05	5	<0.5	<0.2
L4+00S 10+00W	Soil		34	0.61	149	0.129	<20	1.61	0.015	0.20	<0.1	0.04	3.7	<0.1	<0.05	5	<0.5	<0.2
L4+00S 10+50W	Soil		94	1.63	86	0.173	<20	2.08	0.009	0.36	0.2	0.02	13.9	<0.1	<0.05	6	<0.5	<0.2

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	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L4+00S 11+00W	Soil	0.3	47.3	2.8	31	0.1	16.7	13.9	375	2.71	2.1	3.3	0.9	40	<0.1	0.2	<0.1	69	0.48	0.044	5
L4+00S 11+50W	Soil	0.6	56.5	4.1	39	0.2	21.7	16.1	650	2.64	6.4	4.9	0.7	56	0.1	0.3	<0.1	76	1.64	0.126	5
L4+00S 12+00W	Soil	0.9	29.8	5.8	46	0.3	43.5	22.9	632	4.24	16.8	71.4	1.2	34	0.1	0.4	0.1	100	0.46	0.068	8
L4+00S 12+50W	Soil	0.4	18.8	4.8	27	0.2	23.7	15.3	539	2.81	8.1	3.5	0.8	39	<0.1	0.2	<0.1	58	0.55	0.017	5
L4+00S 13+00W	Soil	0.2	38.9	2.2	16	0.3	13.2	7.7	494	1.48	2.4	2.2	0.3	316	0.1	0.1	<0.1	29	9.79	0.051	4
L4+00S 13+50W	Soil	0.2	29.5	2.9	19	0.1	18.2	9.8	669	1.94	1.2	1.1	0.6	54	<0.1	<0.1	<0.1	42	1.02	0.029	4
L4+00S 14+00W	Soil	0.4	26.2	4.0	40	0.2	18.1	11.2	344	2.57	1.9	1.8	1.1	25	<0.1	0.1	0.1	59	0.32	0.149	4
L4+00S 14+50W	Soil	0.5	37.5	4.3	40	0.1	21.0	12.4	258	2.87	2.3	2.7	1.3	30	<0.1	0.2	0.1	69	0.41	0.178	4
L4+00S 15+00W	Soil	0.3	24.5	4.8	57	0.2	16.5	9.8	416	2.34	1.2	1.4	1.1	31	<0.1	<0.1	0.1	46	0.45	0.091	4
L4+00S 15+50W	Soil	0.5	35.9	4.8	41	0.1	18.9	12.5	514	2.72	2.7	2.4	1.0	28	<0.1	0.1	0.2	62	0.39	0.150	5
L4+00S 16+00W	Soil	0.4	22.3	3.9	38	0.1	14.1	10.0	434	2.27	1.3	1.3	0.9	28	<0.1	0.1	0.1	61	0.37	0.096	4
L4+00S 16+50W	Soil	0.4	37.4	5.1	50	0.1	17.0	11.7	473	2.55	2.0	<0.5	1.1	33	<0.1	0.2	0.1	62	0.40	0.121	4
L4+00S 17+00W	Soil	0.3	28.4	4.0	43	<0.1	15.7	10.3	360	2.48	2.1	1.6	1.1	33	<0.1	0.2	0.1	59	0.40	0.091	4
L4+00S 17+50W	Soil	0.4	25.2	3.4	39	<0.1	13.4	9.9	519	2.31	1.5	2.7	0.9	36	<0.1	0.2	<0.1	62	0.39	0.062	3
L4+00S 18+00W	Soil	0.3	33.0	3.7	33	0.1	15.8	11.2	278	2.37	1.9	1.1	1.2	37	<0.1	0.2	<0.1	60	0.39	0.075	5
L4+00S 18+50W	Soil	0.5	28.1	3.8	34	0.1	14.3	11.1	436	2.44	1.6	5.1	0.9	35	<0.1	0.1	0.1	65	0.38	0.083	3
L4+00S 19+00W	Soil	0.2	76.8	4.8	41	0.3	21.4	11.4	292	2.79	3.5	4.4	2.0	50	<0.1	0.2	0.2	68	0.66	0.059	9
L4+00S 19+50W	Soil	0.5	40.0	3.8	42	0.2	15.1	11.5	522	2.49	2.1	2.2	0.9	37	<0.1	0.1	0.1	63	0.45	0.137	4
L4+00S 20+00W	Soil	0.5	39.3	3.6	41	<0.1	19.7	15.0	516	2.98	3.0	4.3	0.8	36	<0.1	0.2	0.1	81	0.50	0.075	5
L4+00S 20+50W	Soil	0.4	90.9	2.8	48	<0.1	22.6	20.9	731	3.62	3.8	8.1	0.9	47	<0.1	0.2	<0.1	84	0.70	0.135	6
L4+00S 21+00W	Soil	0.3	23.5	3.5	33	<0.1	12.9	9.8	338	2.40	1.2	3.2	0.9	38	<0.1	0.1	0.1	61	0.43	0.071	3
L4+00S 21+50W	Soil	0.4	38.6	4.1	37	<0.1	16.6	12.7	378	3.03	2.5	6.2	1.3	48	<0.1	0.2	0.1	78	0.54	0.067	6
L4+00S 22+00W	Soil	0.4	39.3	3.5	39	<0.1	14.4	12.3	384	2.89	1.8	9.9	1.1	48	<0.1	0.2	0.1	73	0.51	0.073	5
L4+00S 22+50W	Soil	0.5	35.1	3.9	41	0.1	16.7	12.3	412	2.82	2.0	9.4	1.0	44	<0.1	0.2	0.1	71	0.47	0.121	5
L4+00S 23+00W	Soil	0.4	36.1	3.9	45	0.1	15.7	12.0	408	2.78	1.7	1.4	1.0	44	<0.1	0.2	0.1	71	0.46	0.127	4
L4+00S 23+50W	Soil	0.4	57.7	2.9	39	<0.1	16.7	13.0	374	3.01	3.0	3.3	1.2	63	<0.1	0.3	<0.1	95	0.73	0.124	7
L4+00S 24+00W	Soil	0.4	34.8	3.3	35	<0.1	13.9	11.0	468	2.74	1.4	2.0	0.9	50	<0.1	0.2	<0.1	72	0.57	0.114	5
L4+00S 24+50W	Soil	0.6	34.2	3.7	40	<0.1	14.1	10.7	585	2.81	1.7	4.1	0.8	43	<0.1	0.3	0.1	72	0.46	0.076	5
L4+00S 25+00W	Soil	0.4	23.7	3.7	37	0.1	12.6	8.9	342	2.24	0.8	1.5	0.8	34	<0.1	0.1	0.1	59	0.36	0.085	3
L4+00S 25+50W	Soil	0.6	32.6	3.1	39	<0.1	13.3	10.9	401	2.66	2.0	1.2	1.0	48	<0.1	0.2	0.1	75	0.54	0.086	5

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		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L4+00S 11+00W	Soil		33	0.69	107	0.119	<20	1.28	0.011	0.26	<0.1	0.02	4.8	<0.1	<0.05	4	<0.5	<0.2
L4+00S 11+50W	Soil		47	0.83	110	0.100	<20	1.28	0.009	0.18	0.2	0.04	6.1	<0.1	<0.05	4	<0.5	<0.2
L4+00S 12+00W	Soil		154	1.15	144	0.112	<20	2.12	0.012	0.17	0.1	0.03	29.1	0.1	<0.05	6	<0.5	<0.2
L4+00S 12+50W	Soil		80	0.78	135	0.093	<20	1.95	0.020	0.07	0.1	0.03	18.3	<0.1	<0.05	5	<0.5	<0.2
L4+00S 13+00W	Soil		27	0.95	227	0.045	<20	0.96	0.022	0.10	<0.1	0.02	3.4	<0.1	<0.05	3	<0.5	<0.2
L4+00S 13+50W	Soil		49	0.78	168	0.076	<20	1.41	0.028	0.14	<0.1	0.04	4.6	<0.1	<0.05	4	<0.5	<0.2
L4+00S 14+00W	Soil		39	0.61	183	0.103	<20	1.87	0.011	0.11	0.1	0.02	4.9	<0.1	<0.05	5	<0.5	<0.2
L4+00S 14+50W	Soil		43	0.81	169	0.118	<20	1.78	0.012	0.15	0.1	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2
L4+00S 15+00W	Soil		29	0.58	167	0.117	<20	1.88	0.015	0.17	0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
L4+00S 15+50W	Soil		35	0.70	180	0.107	<20	1.87	0.011	0.18	<0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
L4+00S 16+00W	Soil		31	0.59	125	0.111	<20	1.50	0.010	0.17	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
L4+00S 16+50W	Soil		33	0.66	175	0.117	<20	1.88	0.011	0.10	<0.1	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
L4+00S 17+00W	Soil		29	0.57	144	0.124	<20	1.77	0.012	0.20	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
L4+00S 17+50W	Soil		29	0.59	157	0.132	<20	1.45	0.011	0.21	<0.1	0.01	3.2	<0.1	<0.05	5	<0.5	<0.2
L4+00S 18+00W	Soil		30	0.58	145	0.132	<20	1.61	0.013	0.18	<0.1	0.01	4.1	<0.1	<0.05	5	<0.5	<0.2
L4+00S 18+50W	Soil		30	0.59	120	0.134	<20	1.70	0.012	0.16	<0.1	0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
L4+00S 19+00W	Soil		35	0.81	273	0.160	<20	2.61	0.022	0.24	0.2	0.04	6.5	<0.1	<0.05	7	<0.5	<0.2
L4+00S 19+50W	Soil		29	0.62	144	0.116	<20	1.80	0.012	0.12	0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
L4+00S 20+00W	Soil		44	0.89	129	0.131	<20	1.66	0.009	0.26	<0.1	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2
L4+00S 20+50W	Soil		50	1.26	121	0.121	<20	1.81	0.006	0.27	0.1	0.02	6.0	<0.1	<0.05	5	<0.5	<0.2
L4+00S 21+00W	Soil		31	0.60	127	0.134	<20	1.57	0.013	0.17	<0.1	0.01	3.7	<0.1	<0.05	4	<0.5	<0.2
L4+00S 21+50W	Soil		37	0.73	163	0.161	<20	1.76	0.015	0.17	0.1	0.02	5.5	<0.1	<0.05	5	<0.5	<0.2
L4+00S 22+00W	Soil		37	0.76	111	0.157	<20	1.54	0.012	0.14	0.2	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2
L4+00S 22+50W	Soil		37	0.70	169	0.138	<20	1.74	0.012	0.16	0.1	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2
L4+00S 23+00W	Soil		34	0.67	165	0.129	<20	1.76	0.012	0.11	0.1	0.01	4.6	<0.1	<0.05	6	<0.5	<0.2
L4+00S 23+50W	Soil		41	0.90	97	0.176	<20	1.44	0.011	0.15	0.1	0.12	6.0	<0.1	<0.05	5	<0.5	<0.2
L4+00S 24+00W	Soil		33	0.70	111	0.143	<20	1.42	0.013	0.13	0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
L4+00S 24+50W	Soil		33	0.62	117	0.142	<20	1.38	0.010	0.10	0.2	0.02	4.1	<0.1	<0.05	4	<0.5	<0.2
L4+00S 25+00W	Soil		27	0.52	130	0.127	<20	1.64	0.011	0.10	0.1	0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
L4+00S 25+50W	Soil		34	0.68	99	0.158	<20	1.37	0.010	0.15	0.1	0.02	4.1	<0.1	<0.05	4	<0.5	<0.2

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Project: MELBA
Report Date: June 09, 2017

CERTIFICATE OF ANALYSIS VAN17000992.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L4+00S 26+00W	Soil	0.5	27.3	3.5	39	0.1	12.2	10.1	491	2.42	1.0	10.2	0.8	40	<0.1	0.2	0.1	66	0.40	0.092	4
L4+00S 26+50W	Soil	0.6	34.7	3.4	37	<0.1	14.7	10.9	329	2.60	1.9	2.1	1.0	49	<0.1	0.2	0.1	81	0.50	0.075	5
L4+00S 27+00W	Soil	0.6	35.0	3.6	38	<0.1	14.6	11.7	469	2.89	2.0	2.1	0.8	42	<0.1	0.2	<0.1	75	0.49	0.085	4
L4+00S 27+50W	Soil	0.7	82.6	3.2	45	<0.1	22.9	17.2	685	3.77	5.2	34.5	1.3	82	<0.1	0.4	0.2	112	1.50	0.160	8
L4+00S 28+00W	Soil	0.5	38.1	3.2	37	<0.1	14.3	10.6	308	2.93	2.1	3.5	1.0	52	<0.1	0.3	0.1	85	0.56	0.085	5
L4+00S 28+50W	Soil	0.5	42.0	3.1	32	<0.1	13.9	12.2	408	2.96	1.9	2.2	1.0	73	<0.1	0.2	0.1	82	0.98	0.040	6
L4+00S 29+00W	Soil	0.3	50.3	3.9	31	0.2	14.4	9.4	356	2.31	2.6	2.0	0.5	56	<0.1	0.3	0.1	62	1.06	0.077	7
L4+00S 29+50W	Soil	0.4	39.7	3.0	35	<0.1	13.6	11.0	316	2.74	2.0	5.3	1.0	41	<0.1	0.2	0.1	80	0.49	0.085	6
L4+00S 30+00W	Soil	0.5	37.5	3.4	36	<0.1	14.0	11.1	350	2.55	2.2	3.2	1.0	42	<0.1	0.2	0.1	75	0.47	0.073	6
L6+00S 00+00W	Soil	0.6	36.1	11.4	57	0.1	20.2	14.0	635	3.02	2.5	0.8	1.3	31	0.2	0.1	0.2	75	0.40	0.076	5
L6+00S 00+50W	Soil	1.1	38.6	7.9	88	0.1	27.3	16.3	466	3.36	2.3	<0.5	1.4	27	0.2	0.1	0.1	82	0.34	0.079	5
L6+00S 01+00W	Soil	1.0	46.3	5.5	87	0.3	40.6	15.1	649	3.43	1.7	<0.5	1.7	37	0.2	<0.1	<0.1	78	0.44	0.104	8
L6+00S 01+50W	Soil	1.2	34.5	12.9	84	0.1	17.7	13.1	756	2.71	2.8	1.6	1.5	33	0.3	0.1	0.1	60	0.50	0.142	6
L6+00S 02+00W	Soil	2.8	47.4	5.8	109	0.1	21.8	17.5	691	3.85	1.9	<0.5	1.5	23	0.1	<0.1	<0.1	87	0.33	0.117	6
L6+00S 02+50W	Soil	0.7	44.0	4.4	91	0.2	25.2	16.8	733	3.31	2.3	16.2	1.3	25	<0.1	<0.1	<0.1	74	0.33	0.151	6
L6+00S 03+00W	Soil	0.6	28.9	3.8	58	0.2	19.0	13.5	606	2.75	2.5	0.6	1.1	28	<0.1	0.1	<0.1	67	0.39	0.137	4
L6+00S 03+50W	Soil	0.6	60.2	5.1	66	0.2	22.4	15.1	655	3.11	3.3	1.3	1.3	73	0.2	0.1	<0.1	72	0.77	0.064	9
L6+00S 04+00W	Soil	0.5	42.9	5.6	86	0.2	23.3	14.2	661	3.31	4.7	0.9	1.5	32	0.2	0.2	<0.1	67	0.34	0.085	9
L6+00S 04+50W	Soil	0.6	45.9	4.3	80	0.2	20.5	15.6	690	3.32	2.9	<0.5	1.3	31	<0.1	0.1	<0.1	74	0.40	0.124	8
L6+00S 05+00W	Soil	0.5	32.0	4.1	71	0.2	19.2	14.1	513	2.98	3.0	0.7	0.9	28	0.1	0.1	<0.1	65	0.31	0.095	5
L6+00S 05+50W	Soil	0.7	27.7	5.6	86	0.3	16.8	13.2	523	2.84	2.9	<0.5	0.7	37	0.2	0.1	<0.1	74	0.39	0.071	4
L6+00S 06+00W	Soil	0.3	122.8	7.0	207	0.2	20.2	15.9	275	3.30	1.4	1.2	0.7	90	0.9	0.1	0.1	77	1.27	0.128	7
L6+00S 06+50W	Soil	0.4	30.1	3.7	59	<0.1	18.7	14.6	974	3.09	1.5	2.6	0.8	27	0.1	<0.1	0.1	89	0.56	0.087	4
L6+00S 07+00W	Soil	0.4	48.8	2.9	60	0.2	19.9	16.4	474	3.09	2.4	1.0	0.7	33	<0.1	0.1	0.2	94	0.36	0.093	4
L6+00S 07+50W	Soil	0.4	43.6	3.3	41	0.2	18.1	14.4	461	2.66	2.6	1.1	0.9	42	<0.1	0.1	<0.1	75	0.46	0.102	6
L6+00S 08+00W	Soil	0.5	33.9	3.8	37	0.1	15.6	12.9	438	2.41	2.0	1.1	0.6	35	<0.1	0.1	<0.1	65	0.32	0.075	4
L6+00S 08+50W	Soil	0.2	96.8	5.2	55	0.2	21.5	14.6	587	2.92	3.5	1.6	1.3	49	<0.1	0.1	0.1	72	0.55	0.057	9
L6+00S 09+00W	Soil	0.3	23.6	3.6	29	<0.1	13.6	10.6	316	2.14	1.4	<0.5	0.6	28	<0.1	<0.1	<0.1	58	0.25	0.039	3
L6+00S 09+00W A	Soil	0.5	48.5	4.2	31	0.1	17.1	12.0	473	2.58	1.1	2.8	0.9	45	<0.1	<0.1	0.1	64	0.57	0.039	5
L6+00S 10+00W	Soil	0.3	37.6	3.6	35	0.1	16.6	12.6	450	2.58	2.2	22.8	0.9	44	<0.1	0.1	<0.1	67	0.51	0.033	4

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Project: MELBA
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CERTIFICATE OF ANALYSIS VAN17000992.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L4+00S 26+00W	Soil		30	0.55	114	0.135	<20	1.48	0.010	0.10	0.1	0.01	3.5	<0.1	<0.05	4	<0.5	<0.2
L4+00S 26+50W	Soil		34	0.70	127	0.163	<20	1.49	0.013	0.11	0.2	0.02	4.5	<0.1	<0.05	5	<0.5	<0.2
L4+00S 27+00W	Soil		30	0.64	133	0.138	<20	1.57	0.011	0.09	0.1	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
L4+00S 27+50W	Soil		42	1.08	163	0.151	<20	1.52	0.020	0.11	0.3	0.08	7.1	<0.1	<0.05	5	<0.5	<0.2
L4+00S 28+00W	Soil		37	0.69	110	0.171	<20	1.42	0.014	0.12	0.1	0.01	5.2	<0.1	<0.05	4	<0.5	<0.2
L4+00S 28+50W	Soil		37	0.80	165	0.159	<20	1.52	0.018	0.14	0.1	0.03	5.6	<0.1	<0.05	4	<0.5	<0.2
L4+00S 29+00W	Soil		28	0.65	228	0.076	<20	1.69	0.015	0.12	0.2	0.05	3.4	<0.1	<0.05	5	<0.5	<0.2
L4+00S 29+50W	Soil		33	0.66	109	0.135	<20	1.25	0.011	0.10	0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
L4+00S 30+00W	Soil		32	0.63	150	0.134	<20	1.38	0.013	0.08	0.3	0.02	4.3	<0.1	<0.05	4	<0.5	<0.2
L6+00S 00+00W	Soil		36	0.94	185	0.129	<20	1.93	0.009	0.37	<0.1	0.02	4.5	0.2	<0.05	6	<0.5	<0.2
L6+00S 00+50W	Soil		44	1.05	279	0.166	<20	2.18	0.011	0.65	0.3	0.02	4.2	0.2	<0.05	6	<0.5	<0.2
L6+00S 01+00W	Soil		127	1.18	166	0.133	<20	2.46	0.010	0.77	<0.1	0.01	5.1	0.2	<0.05	6	<0.5	<0.2
L6+00S 01+50W	Soil		28	0.74	259	0.126	<20	1.94	0.010	0.39	0.1	0.04	3.7	0.1	<0.05	5	<0.5	<0.2
L6+00S 02+00W	Soil		31	1.25	365	0.179	<20	2.56	0.009	0.74	<0.1	0.02	3.4	0.2	<0.05	7	<0.5	<0.2
L6+00S 02+50W	Soil		43	1.04	247	0.159	<20	2.49	0.010	0.44	<0.1	0.02	3.6	0.1	<0.05	7	<0.5	<0.2
L6+00S 03+00W	Soil		28	0.76	189	0.129	<20	1.81	0.010	0.30	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
L6+00S 03+50W	Soil		34	1.02	329	0.135	<20	2.20	0.013	0.44	<0.1	0.03	4.2	0.1	<0.05	6	1.0	<0.2
L6+00S 04+00W	Soil		31	1.00	315	0.142	<20	2.37	0.010	0.68	<0.1	0.02	4.0	0.1	<0.05	6	<0.5	<0.2
L6+00S 04+50W	Soil		31	1.03	351	0.149	<20	2.46	0.010	0.50	<0.1	0.02	3.9	0.1	<0.05	6	<0.5	<0.2
L6+00S 05+00W	Soil		33	0.80	204	0.126	<20	1.96	0.011	0.28	<0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
L6+00S 05+50W	Soil		39	0.80	142	0.110	<20	1.68	0.011	0.30	<0.1	0.02	5.1	<0.1	<0.05	5	<0.5	<0.2
L6+00S 06+00W	Soil		37	1.13	237	0.090	<20	2.41	0.020	0.18	<0.1	0.02	7.6	<0.1	0.07	6	1.4	<0.2
L6+00S 06+50W	Soil		50	0.85	155	0.106	<20	1.88	0.010	0.23	<0.1	0.01	8.0	<0.1	<0.05	6	<0.5	<0.2
L6+00S 07+00W	Soil		45	0.96	127	0.118	<20	1.84	0.009	0.26	<0.1	0.01	6.0	<0.1	<0.05	5	<0.5	<0.2
L6+00S 07+50W	Soil		41	0.87	165	0.114	<20	1.73	0.010	0.23	<0.1	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
L6+00S 08+00W	Soil		37	0.77	137	0.101	<20	1.82	0.010	0.22	<0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
L6+00S 08+50W	Soil		40	0.87	273	0.130	<20	2.70	0.015	0.35	0.1	0.04	5.6	<0.1	<0.05	7	<0.5	<0.2
L6+00S 09+00W	Soil		32	0.66	147	0.112	<20	1.79	0.012	0.17	<0.1	0.01	3.2	<0.1	<0.05	5	<0.5	<0.2
L6+00S 09+00W A	Soil		37	0.69	171	0.116	<20	1.92	0.015	0.22	0.1	0.02	4.9	<0.1	<0.05	5	<0.5	<0.2
L6+00S 10+00W	Soil		38	0.77	155	0.127	<20	1.79	0.016	0.21	<0.1	0.02	4.9	<0.1	<0.05	5	<0.5	<0.2

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	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L6+00S 10+50W	Soil	0.5	36.2	3.7	42	0.2	21.7	15.3	480	2.90	3.5	1.9	1.0	30	<0.1	0.1	0.1	78	0.35	0.116	4
L6+00S 11+00W	Soil	0.2	77.3	1.2	34	0.1	8.7	3.1	648	0.21	0.9	1.7	<0.1	542	0.2	0.1	<0.1	9	25.09	0.144	1
L6+00S 11+50W	Soil	0.7	34.4	4.6	44	<0.1	31.6	19.2	449	3.64	8.9	4.5	0.9	27	<0.1	0.3	<0.1	110	0.36	0.061	4
L6+00S 12+00W	Soil	0.5	22.5	4.5	40	<0.1	28.0	16.7	386	3.31	6.3	4.3	0.8	28	<0.1	0.2	0.1	95	0.37	0.059	3
L6+00S 12+50W	Soil	0.4	31.6	4.2	49	0.2	18.7	11.3	509	2.43	2.4	0.5	0.9	21	<0.1	<0.1	0.1	59	0.24	0.166	4
L6+00S 13+00W	Soil	0.5	44.0	4.5	51	0.2	21.2	13.0	426	2.71	2.9	7.1	1.2	32	<0.1	0.1	0.1	62	0.42	0.156	5
L6+00S 13+50W	Soil	0.4	30.0	3.9	41	0.1	17.1	11.4	426	2.52	2.3	0.9	0.9	28	<0.1	0.1	0.1	67	0.38	0.120	4
L6+00S 14+00W	Soil	0.4	39.1	4.4	42	0.2	18.7	11.2	455	2.65	2.5	0.7	1.0	30	<0.1	0.1	0.1	63	0.33	0.128	4
L6+00S 14+50W	Soil	0.5	35.4	4.0	39	0.1	18.3	11.3	378	2.45	2.1	<0.5	1.1	31	<0.1	0.1	0.1	58	0.32	0.127	4
L6+00S 15+00W	Soil	0.5	29.2	3.8	31	0.1	16.1	11.3	345	2.46	2.5	1.2	0.9	32	<0.1	0.1	0.1	60	0.43	0.085	4
L6+00S 15+50W	Soil	0.5	29.7	4.0	37	<0.1	18.8	11.5	283	2.62	2.2	<0.5	1.1	30	<0.1	0.1	0.1	67	0.35	0.089	4
L6+00S 16+00W	Soil	0.4	117.6	3.1	28	0.4	16.3	9.8	1091	1.79	3.1	4.3	0.2	152	0.3	0.3	<0.1	42	4.47	0.195	5
L6+00S 16+50W	Soil	0.5	33.1	4.2	43	0.2	16.8	10.4	436	2.33	2.1	3.4	0.9	31	<0.1	0.2	0.1	56	0.35	0.107	4
L6+00S 17+00W	Soil	0.4	31.6	3.9	39	0.1	15.5	10.6	338	2.45	2.2	1.2	0.8	34	<0.1	0.1	0.1	60	0.41	0.103	3
L6+00S 17+50W	Soil	0.4	29.5	3.9	36	0.2	13.6	9.4	332	2.29	2.1	1.3	1.1	39	<0.1	0.2	0.1	62	0.46	0.046	4
L6+00S 18+00W	Soil	0.2	34.6	2.9	23	0.1	11.5	9.0	377	2.09	1.5	0.6	0.9	57	<0.1	0.1	<0.1	50	1.00	0.040	5
L6+00S 18+50W	Soil	0.3	58.7	4.0	35	0.2	16.4	11.4	503	2.54	2.8	2.1	1.0	46	<0.1	0.2	0.1	63	0.60	0.086	8
L6+00S 19+00W	Soil	0.5	46.8	3.6	38	<0.1	16.2	12.0	325	2.69	3.3	<0.5	1.2	39	<0.1	0.2	0.1	68	0.46	0.143	4
L6+00S 19+50W	Soil	0.3	51.7	3.8	33	0.2	14.2	10.3	312	2.25	2.4	5.8	0.9	40	<0.1	0.1	0.1	57	0.42	0.085	5
L6+00S 20+00W	Soil	0.4	58.7	3.4	41	0.1	17.6	12.8	396	2.79	3.3	12.0	1.3	47	<0.1	0.2	0.1	74	0.57	0.086	6
L6+00S 20+50W	Soil	0.4	62.9	3.3	39	0.1	18.1	11.3	384	2.60	2.4	1.7	1.1	46	<0.1	0.1	0.1	63	0.55	0.145	5
L6+00S 21+00W	Soil	0.2	42.7	3.8	35	0.1	16.5	10.9	368	2.53	2.9	<0.5	1.2	39	<0.1	0.2	0.1	65	0.44	0.067	7
L6+00S 21+50W	Soil	0.5	70.4	3.0	53	0.1	18.8	17.3	742	2.98	3.0	1.0	0.6	39	<0.1	0.2	0.1	74	0.61	0.127	4
L6+00S 22+00W	Soil	0.4	119.4	2.7	54	0.1	26.3	20.6	761	3.50	5.6	25.9	1.0	70	0.1	0.2	<0.1	96	1.98	0.169	6
L6+00S 22+50W	Soil	0.4	43.9	2.8	37	<0.1	15.1	12.4	299	2.83	2.5	5.7	1.2	48	<0.1	0.3	0.1	83	0.58	0.106	6
L6+00S 23+00W	Soil	0.5	31.5	3.1	39	<0.1	12.9	9.4	360	2.36	1.7	3.9	0.8	39	<0.1	0.2	<0.1	63	0.45	0.083	4
L6+00S 23+50W	Soil	0.4	44.8	3.1	38	<0.1	15.0	11.6	405	2.76	2.3	<0.5	1.1	47	<0.1	0.2	0.1	74	0.55	0.089	6
L6+00S 24+00W	Soil	0.4	41.0	3.5	36	<0.1	14.2	10.3	423	2.52	2.4	1.8	0.9	46	<0.1	0.2	0.1	62	0.60	0.061	6
L6+00S 24+50W	Soil	0.4	45.9	3.5	38	0.1	15.5	10.0	476	2.47	1.5	6.4	0.9	39	<0.1	0.2	0.1	66	0.46	0.055	6
L6+00S 25+00W	Soil	0.3	38.0	3.7	38	<0.1	14.1	9.5	276	2.40	2.3	2.5	0.9	34	<0.1	0.2	0.1	62	0.40	0.072	5

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Project: MELBA
Report Date: June 09, 2017

CERTIFICATE OF ANALYSIS VAN17000992.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L6+00S 10+50W	Soil		54	0.85	144	0.124	<20	1.91	0.011	0.20	<0.1	0.02	5.3	<0.1	<0.05	5	<0.5	<0.2
L6+00S 11+00W	Soil		14	0.38	345	0.014	<20	0.26	0.012	0.02	<0.1	0.02	0.4	<0.1	0.11	<1	0.6	<0.2
L6+00S 11+50W	Soil		90	1.03	90	0.116	<20	1.79	0.009	0.20	0.1	0.02	10.4	<0.1	<0.05	5	<0.5	<0.2
L6+00S 12+00W	Soil		78	0.83	130	0.106	<20	1.70	0.010	0.18	<0.1	0.02	8.1	<0.1	<0.05	5	<0.5	<0.2
L6+00S 12+50W	Soil		42	0.60	183	0.093	<20	1.82	0.008	0.12	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
L6+00S 13+00W	Soil		39	0.75	192	0.112	<20	2.10	0.010	0.18	<0.1	0.03	4.9	<0.1	<0.05	6	<0.5	<0.2
L6+00S 13+50W	Soil		38	0.69	147	0.105	<20	1.92	0.009	0.21	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
L6+00S 14+00W	Soil		36	0.68	174	0.107	<20	1.92	0.012	0.13	<0.1	0.01	4.5	<0.1	<0.05	6	<0.5	<0.2
L6+00S 14+50W	Soil		33	0.63	182	0.104	<20	1.83	0.011	0.14	<0.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
L6+00S 15+00W	Soil		31	0.63	141	0.105	<20	1.60	0.010	0.19	<0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
L6+00S 15+50W	Soil		38	0.69	165	0.119	<20	1.76	0.011	0.20	<0.1	0.01	4.2	<0.1	<0.05	5	<0.5	<0.2
L6+00S 16+00W	Soil		25	0.68	285	0.045	<20	1.30	0.017	0.15	0.2	0.08	1.8	<0.1	0.11	3	1.9	<0.2
L6+00S 16+50W	Soil		29	0.62	185	0.107	<20	1.87	0.005	0.15	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
L6+00S 17+00W	Soil		29	0.66	149	0.118	<20	1.91	0.006	0.19	0.1	0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
L6+00S 17+50W	Soil		29	0.68	134	0.141	<20	1.72	0.009	0.19	<0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
L6+00S 18+00W	Soil		24	0.51	130	0.109	<20	1.38	0.016	0.13	<0.1	0.01	3.7	<0.1	<0.05	4	<0.5	<0.2
L6+00S 18+50W	Soil		32	0.69	194	0.114	<20	2.11	0.008	0.16	0.1	0.03	4.9	<0.1	<0.05	6	<0.5	<0.2
L6+00S 19+00W	Soil		33	0.71	160	0.132	<20	2.02	0.005	0.14	0.1	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2
L6+00S 19+50W	Soil		27	0.58	185	0.117	<20	1.92	0.009	0.13	<0.1	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
L6+00S 20+00W	Soil		37	0.85	153	0.147	<20	1.86	0.009	0.18	0.1	0.03	5.5	<0.1	<0.05	5	<0.5	<0.2
L6+00S 20+50W	Soil		32	0.72	162	0.113	<20	1.88	0.008	0.12	0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
L6+00S 21+00W	Soil		33	0.69	170	0.127	<20	1.82	0.010	0.16	0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
L6+00S 21+50W	Soil		44	0.95	152	0.102	<20	1.58	0.002	0.20	0.1	0.03	4.2	<0.1	<0.05	4	<0.5	<0.2
L6+00S 22+00W	Soil		50	1.41	137	0.128	<20	1.83	0.006	0.27	0.2	0.03	6.8	<0.1	<0.05	5	<0.5	<0.2
L6+00S 22+50W	Soil		36	0.81	98	0.159	<20	1.33	0.007	0.13	0.2	0.03	4.9	<0.1	<0.05	4	<0.5	<0.2
L6+00S 23+00W	Soil		30	0.67	102	0.131	<20	1.37	0.005	0.12	0.1	<0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
L6+00S 23+50W	Soil		35	0.76	119	0.146	<20	1.45	0.007	0.15	0.2	0.02	4.6	<0.1	<0.05	4	<0.5	<0.2
L6+00S 24+00W	Soil		31	0.67	142	0.124	<20	1.52	0.008	0.14	0.1	0.05	4.3	<0.1	<0.05	5	<0.5	<0.2
L6+00S 24+50W	Soil		31	0.64	140	0.132	<20	1.60	0.008	0.13	0.2	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
L6+00S 25+00W	Soil		29	0.52	119	0.120	<20	1.52	0.007	0.11	0.2	0.01	4.1	<0.1	<0.05	4	<0.5	<0.2

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Project: MELBA
Report Date: June 09, 2017

CERTIFICATE OF ANALYSIS VAN17000992.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L6+00S 25+50W	Soil		0.3	35.3	3.2	40	<0.1	14.2	10.0	262	2.45	1.7	28.5	0.9	36	<0.1	0.2	0.1	63	0.40	0.061	4
L6+00S 26+00W	Soil		0.5	36.9	2.9	35	<0.1	13.8	11.0	395	2.51	1.8	1.3	0.7	34	<0.1	0.2	0.1	65	0.43	0.100	4
L6+00S 26+50W	Soil		0.6	88.9	2.8	40	<0.1	22.7	13.3	444	3.53	4.9	10.3	1.3	55	<0.1	0.4	0.2	99	0.73	0.157	10
L6+00S 27+00W	Soil		0.5	39.9	3.1	31	<0.1	13.4	11.3	470	2.49	2.1	0.6	0.9	63	<0.1	0.2	0.1	63	0.74	0.036	6
L6+00S 27+50W	Soil		0.3	47.0	3.1	36	<0.1	16.1	11.9	325	2.75	2.6	1.4	1.2	42	<0.1	0.2	0.1	75	0.52	0.069	6
L6+00S 28+00W	Soil		0.3	38.6	3.4	32	<0.1	13.6	8.6	315	2.25	1.6	1.4	0.8	34	<0.1	0.2	0.1	59	0.40	0.041	5
L6+00S 28+50W	Soil		0.4	42.8	4.0	39	<0.1	17.4	10.3	273	2.63	2.0	4.0	0.9	35	<0.1	0.2	0.1	65	0.40	0.077	4
L6+00S 29+00W	Soil		0.4	70.1	2.7	44	<0.1	18.5	15.2	377	3.08	3.7	5.7	1.1	49	<0.1	0.3	0.1	90	0.64	0.115	7
L6+00S 29+50W	Soil		0.3	29.4	3.5	35	0.2	13.5	9.0	236	2.12	1.5	9.9	0.7	27	<0.1	0.1	0.1	54	0.33	0.078	3
L6+00S 30+00W	Soil		0.3	47.0	3.2	41	<0.1	23.6	12.1	283	2.65	2.3	4.2	0.9	38	<0.1	0.2	0.1	67	0.50	0.078	5

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Report Date: June 09, 2017

CERTIFICATE OF ANALYSIS VAN17000992.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L6+00S 25+50W	Soil		31	0.66	119	0.132	<20	1.45	0.005	0.12	0.4	0.01	3.5	<0.1	<0.05	4	<0.5	<0.2
L6+00S 26+00W	Soil		31	0.62	106	0.118	<20	1.35	0.003	0.13	0.2	0.01	3.6	<0.1	<0.05	4	<0.5	<0.2
L6+00S 26+50W	Soil		45	0.88	154	0.138	<20	1.65	0.007	0.13	0.4	0.10	8.5	<0.1	<0.05	5	<0.5	<0.2
L6+00S 27+00W	Soil		32	0.75	162	0.109	<20	1.33	0.017	0.17	0.2	0.06	4.4	<0.1	<0.05	4	<0.5	<0.2
L6+00S 27+50W	Soil		34	0.72	130	0.143	<20	1.48	0.008	0.12	0.2	0.03	4.9	<0.1	<0.05	4	<0.5	<0.2
L6+00S 28+00W	Soil		28	0.55	124	0.128	<20	1.44	0.009	0.11	0.1	0.01	4.1	<0.1	<0.05	4	<0.5	<0.2
L6+00S 28+50W	Soil		32	0.67	157	0.135	<20	1.78	0.006	0.15	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
L6+00S 29+00W	Soil		42	1.05	95	0.158	<20	1.50	0.004	0.16	0.1	0.04	5.4	<0.1	<0.05	5	<0.5	<0.2
L6+00S 29+50W	Soil		25	0.48	137	0.103	<20	1.59	0.003	0.11	0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
L6+00S 30+00W	Soil		55	0.87	149	0.145	<20	1.60	0.006	0.21	0.1	0.02	4.1	<0.1	<0.05	4	<0.5	<0.2

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Report Date: June 09, 2017

QUALITY CONTROL REPORT VAN17000992.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
L2+00N 09+50W	Soil	0.5	86.5	3.8	92	0.2	21.6	20.0	816	3.56	3.2	<0.5	1.0	27	<0.1	<0.1	0.1	87	0.51	0.211	5
REP L2+00N 09+50W	QC	0.4	85.6	3.9	85	0.2	23.2	20.4	787	3.28	2.8	10.0	1.1	26	<0.1	<0.1	0.1	89	0.50	0.216	5
L2+00N 13+50W	Soil	0.3	36.9	3.1	43	<0.1	20.0	12.9	351	2.91	2.5	0.8	0.8	24	<0.1	0.1	<0.1	76	0.33	0.102	3
REP L2+00N 13+50W	QC	0.3	34.8	3.2	41	<0.1	18.7	12.7	343	2.80	2.5	4.9	0.8	23	<0.1	0.1	<0.1	74	0.32	0.108	2
L2+00S 04+00W	Soil	0.4	35.3	3.8	102	<0.1	26.4	16.7	937	3.17	4.6	<0.5	1.0	28	0.1	<0.1	<0.1	59	0.44	0.165	4
REP L2+00S 04+00W	QC	0.4	36.2	3.6	94	<0.1	27.1	17.1	924	3.49	4.6	<0.5	1.0	31	0.1	<0.1	<0.1	65	0.48	0.181	4
L2+00S 22+00W	Soil	0.4	61.1	3.4	44	0.1	15.7	12.1	355	2.93	2.8	<0.5	1.3	42	<0.1	0.2	0.1	80	0.54	0.175	4
REP L2+00S 22+00W	QC	0.3	58.2	3.4	45	0.1	15.6	13.5	342	2.91	2.4	1.7	1.3	44	<0.1	0.2	0.1	78	0.55	0.172	5
L2+00S 25+00W	Soil	0.2	73.2	2.5	32	0.2	13.7	8.9	211	1.85	1.0	6.5	0.4	50	<0.1	0.3	<0.1	54	0.87	0.114	6
REP L2+00S 25+00W	QC	0.2	73.8	2.5	31	0.2	13.1	8.5	231	1.96	1.6	8.8	0.4	49	<0.1	0.3	<0.1	58	0.81	0.122	6
L4+00S 27+50W	Soil	0.7	82.6	3.2	45	<0.1	22.9	17.2	685	3.77	5.2	34.5	1.3	82	<0.1	0.4	0.2	112	1.50	0.160	8
REP L4+00S 27+50W	QC	0.7	79.6	3.2	46	<0.1	23.6	16.6	666	3.66	5.7	29.1	1.3	80	0.1	0.6	0.2	102	1.57	0.162	8
L6+00S 15+00W	Soil	0.5	29.2	3.8	31	0.1	16.1	11.3	345	2.46	2.5	1.2	0.9	32	<0.1	0.1	0.1	60	0.43	0.085	4
REP L6+00S 15+00W	QC	0.5	28.6	3.8	32	0.1	15.4	11.4	340	2.30	2.3	0.8	0.8	32	<0.1	0.1	0.1	58	0.42	0.088	4
L6+00S 29+00W	Soil	0.4	70.1	2.7	44	<0.1	18.5	15.2	377	3.08	3.7	5.7	1.1	49	<0.1	0.3	0.1	90	0.64	0.115	7
REP L6+00S 29+00W	QC	0.4	67.7	2.6	44	<0.1	18.0	14.1	351	2.98	4.0	4.7	1.1	49	<0.1	0.3	0.1	87	0.61	0.111	6
Reference Materials																					
STD DS10	Standard	13.6	136.5	147.6	367	2.0	75.4	14.8	881	2.73	46.9	263.8	7.1	56	2.8	7.3	11.0	46	1.04	0.080	16
STD DS10	Standard	14.1	154.4	159.1	362	1.9	77.1	13.1	875	2.83	45.3	51.0	7.9	74	2.9	7.9	13.4	44	1.12	0.080	19
STD DS10	Standard	14.4	140.9	139.8	331	1.8	70.4	12.2	852	2.45	47.9	71.5	7.1	60	2.5	6.9	11.7	43	1.02	0.073	15
STD DS10	Standard	13.5	159.7	152.9	368	2.0	77.6	13.0	908	2.81	46.4	74.9	7.6	67	2.5	7.5	12.0	43	1.10	0.076	17
STD DS10	Standard	14.0	149.7	149.3	385	1.9	77.2	14.0	933	2.87	46.7	55.2	6.8	59	2.8	7.0	11.3	45	1.09	0.076	17
STD DS10	Standard	13.4	153.4	149.6	371	1.9	73.1	14.2	851	2.84	44.6	61.2	7.7	66	2.7	7.3	12.6	43	1.06	0.077	18
STD DS10	Standard	16.3	156.9	158.3	373	2.0	72.0	12.8	923	2.77	49.0	57.9	8.0	67	3.2	8.0	12.9	45	1.05	0.080	18
STD DS10	Standard	14.0	143.0	155.4	375	2.1	74.9	11.6	948	2.65	47.0	47.3	7.4	65	2.9	9.1	12.2	41	1.00	0.083	18
STD DS10	Standard	12.1	144.5	143.8	362	1.8	74.9	12.5	859	2.72	46.7	58.6	8.3	64	2.7	9.0	12.0	41	0.98	0.075	17
STD OREAS45EA	Standard	1.4	654.6	13.3	29	0.3	354.4	52.9	376	21.67	10.1	55.9	9.9	3	<0.1	0.3	0.3	294	0.04	0.027	6
STD OREAS45EA	Standard	1.5	706.5	15.0	31	0.3	376.6	53.9	404	24.21	10.5	53.8	10.3	4	<0.1	0.3	0.3	277	0.04	0.026	7

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Client: **Max Investment Inc.**
3750 West 49th Ave
Vancouver British Columbia V6N 3T8 Canada

Project: MELBA
Report Date: June 09, 2017

QUALITY CONTROL REPORT VAN17000992.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
L2+00N 09+50W	Soil		44	1.10	330	0.116	<20	2.65	0.009	0.12	0.1	0.02	5.4	<0.1	<0.05	7	<0.5	<0.2
REP L2+00N 09+50W	QC		48	1.06	322	0.116	<20	2.66	0.009	0.13	0.1	0.02	5.8	<0.1	<0.05	8	<0.5	<0.2
L2+00N 13+50W	Soil		50	0.81	161	0.112	<20	1.89	0.010	0.16	<0.1	<0.01	4.7	<0.1	<0.05	6	<0.5	<0.2
REP L2+00N 13+50W	QC		47	0.80	157	0.108	<20	1.90	0.009	0.16	0.1	<0.01	4.4	<0.1	<0.05	6	<0.5	<0.2
L2+00S 04+00W	Soil		47	1.09	256	0.129	<20	2.85	0.009	0.31	<0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
REP L2+00S 04+00W	QC		50	1.17	284	0.139	<20	2.77	0.011	0.30	<0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
L2+00S 22+00W	Soil		34	0.78	131	0.141	<20	2.15	0.009	0.11	0.1	0.01	4.7	<0.1	<0.05	6	<0.5	<0.2
REP L2+00S 22+00W	QC		37	0.77	134	0.136	<20	2.12	0.009	0.11	0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
L2+00S 25+00W	Soil		36	0.70	124	0.060	<20	1.61	0.011	0.06	<0.1	0.11	6.2	<0.1	<0.05	4	<0.5	<0.2
REP L2+00S 25+00W	QC		36	0.73	121	0.061	<20	1.62	0.010	0.07	<0.1	0.11	6.0	<0.1	<0.05	4	0.5	<0.2
L4+00S 27+50W	Soil		42	1.08	163	0.151	<20	1.52	0.020	0.11	0.3	0.08	7.1	<0.1	<0.05	5	<0.5	<0.2
REP L4+00S 27+50W	QC		43	1.12	161	0.149	<20	1.44	0.020	0.11	0.4	0.05	7.2	<0.1	<0.05	4	<0.5	<0.2
L6+00S 15+00W	Soil		31	0.63	141	0.105	<20	1.60	0.010	0.19	<0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
REP L6+00S 15+00W	QC		33	0.64	140	0.104	<20	1.60	0.012	0.18	<0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
L6+00S 29+00W	Soil		42	1.05	95	0.158	<20	1.50	0.004	0.16	0.1	0.04	5.4	<0.1	<0.05	5	<0.5	<0.2
REP L6+00S 29+00W	QC		41	0.99	87	0.157	<20	1.46	0.003	0.15	0.1	0.03	5.5	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS10	Standard		58	0.76	447	0.075	<20	0.98	0.067	0.34	3.0	0.31	3.0	5.4	0.23	4	1.7	5.2
STD DS10	Standard		56	0.82	442	0.088	<20	1.06	0.070	0.34	3.2	0.29	3.1	5.4	0.28	5	1.7	5.3
STD DS10	Standard		51	0.74	420	0.071	<20	0.99	0.061	0.32	2.9	0.28	2.6	5.1	0.20	4	2.0	4.7
STD DS10	Standard		55	0.81	420	0.081	<20	1.05	0.064	0.32	3.3	0.25	2.7	5.4	0.23	4	1.9	4.9
STD DS10	Standard		59	0.79	439	0.083	<20	1.03	0.072	0.34	4.0	0.28	2.8	5.2	0.28	5	1.8	4.8
STD DS10	Standard		56	0.81	438	0.084	<20	1.07	0.067	0.33	3.0	0.28	3.1	5.2	0.28	5	2.0	4.9
STD DS10	Standard		56	0.78	451	0.087	<20	1.02	0.073	0.34	3.3	0.32	3.2	5.7	0.27	5	2.2	5.1
STD DS10	Standard		56	0.82	406	0.072	<20	0.99	0.068	0.34	3.1	0.29	3.0	5.8	0.29	4	2.3	4.8
STD DS10	Standard		52	0.73	408	0.073	<20	0.99	0.063	0.31	3.2	0.28	2.7	5.2	0.27	4	1.8	4.9
STD OREAS45EA	Standard		834	0.07	148	0.087	<20	2.66	0.014	0.05	<0.1	0.01	69.3	<0.1	<0.05	12	<0.5	<0.2
STD OREAS45EA	Standard		831	0.09	150	0.098	<20	2.77	0.016	0.05	<0.1	0.01	74.7	<0.1	<0.05	13	<0.5	<0.2

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Project: MELBA
Report Date: June 09, 2017

QUALITY CONTROL REPORT   VAN17000992.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
STD OREAS45EA	Standard	1.5	625.6	13.8	28	0.3	347.5	50.9	377	21.96	10.3	50.4	10.4	3	<0.1	0.2	0.2	293	0.03	0.026	7
STD OREAS45EA	Standard	1.7	649.9	13.4	30	0.2	346.9	47.4	383	22.41	9.8	59.0	9.9	4	<0.1	0.3	0.2	262	0.03	0.026	7
STD OREAS45EA	Standard	1.3	672.5	14.3	31	0.3	359.8	51.7	374	22.41	10.4	53.4	10.1	3	<0.1	0.2	0.3	295	0.03	0.028	6
STD OREAS45EA	Standard	1.3	692.6	14.6	30	0.3	372.0	52.1	382	22.83	10.2	47.7	10.3	4	<0.1	0.3	0.3	293	0.04	0.026	7
STD OREAS45EA	Standard	1.6	750.0	14.7	33	0.3	371.6	52.7	403	23.77	11.6	50.2	11.0	4	<0.1	0.2	0.3	285	0.04	0.030	7
STD OREAS45EA	Standard	1.5	739.4	14.1	33	0.3	398.0	52.8	405	24.11	11.3	52.8	10.3	4	<0.1	0.3	0.2	264	0.04	0.027	8
STD OREAS45EA	Standard	1.5	708.9	14.3	33	0.2	345.7	47.8	372	21.79	11.0	51.9	10.2	4	<0.1	0.4	0.3	260	0.04	0.028	7
STD OREAS45EA	Standard	1.6	639.3	13.6	30	0.2	345.5	48.6	386	22.24	11.8	51.2	9.7	4	<0.1	0.4	0.3	259	0.03	0.029	7
STD DS10 Expected		13.6	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765	17.5
STD OREAS45EA Expected		1.6	709	14.3	31.4	0.26	381	52	400	23.51	10.3	53	10.7	3.5	0.03	0.32	0.26	303	0.036	0.029	7.06
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

MINERAL LABORATORIES
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Vancouver British Columbia V6N 3T8 Canada

Project: MELBA
Report Date: June 09, 2017

QUALITY CONTROL REPORT VAN17000992.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD OREAS45EA	Standard	830	0.08	144	0.088	<20	2.64	0.015	0.05	<0.1	<0.01	71.2	<0.1	<0.05	12	<0.5	<0.2
STD OREAS45EA	Standard	782	0.09	144	0.094	<20	2.81	0.012	0.05	<0.1	<0.01	72.6	<0.1	<0.05	11	0.7	<0.2
STD OREAS45EA	Standard	864	0.08	147	0.090	<20	2.88	0.015	0.05	<0.1	0.01	76.2	<0.1	<0.05	12	<0.5	<0.2
STD OREAS45EA	Standard	844	0.09	154	0.098	<20	2.65	0.016	0.05	<0.1	0.01	71.2	<0.1	<0.05	13	0.8	<0.2
STD OREAS45EA	Standard	893	0.09	143	0.094	<20	3.18	0.016	0.05	<0.1	<0.01	78.8	<0.1	<0.05	13	1.4	<0.2
STD OREAS45EA	Standard	881	0.09	141	0.103	<20	3.11	0.017	0.05	<0.1	<0.01	79.2	<0.1	<0.05	13	0.5	<0.2
STD OREAS45EA	Standard	796	0.08	145	0.088	<20	2.94	0.015	0.05	<0.1	0.01	72.1	<0.1	<0.05	13	<0.5	<0.2
STD OREAS45EA	Standard	777	0.09	142	0.091	<20	2.93	0.018	0.05	<0.1	<0.01	76.1	<0.1	<0.05	12	0.7	<0.2
STD DS10 Expected		54.6	0.775	412	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01
STD OREAS45EA Expected		849	0.095	148	0.0984		3.13	0.02	0.053			78	0.072	0.036	12.4	0.78	0.07
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Submitted By: Chris Dyakowski
Receiving Lab: Canada-Vancouver
Received: June 05, 2017
Report Date: June 16, 2017
Page: 1 of 10

CERTIFICATE OF ANALYSIS VAN17001059.1

CLIENT JOB INFORMATION

Project: MELBA
Shipment ID:
P.O. Number
Number of Samples: 270

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	270	Dry at 60C			VAN
SS80	270	Dry at 60C sieve 100g to -80 mesh			VAN
AQ200	270	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Max Investment Inc.
3750 West 49th Ave
Vancouver British Columbia V6N 3T8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production Manager

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **Max Investment Inc.**
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Project: MELBA
Report Date: June 16, 2017

CERTIFICATE OF ANALYSIS VAN17001059.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L0+00N 26+00W	Soil	0.1	61.4	3.3	27	<0.1	14.0	8.9	195	2.05	1.8	8.0	0.9	66	<0.1	0.3	0.1	63	0.96	0.105	7
L0+00N 27+00W	Soil	0.2	29.7	3.6	26	<0.1	12.1	9.5	454	2.33	1.5	1.7	1.2	48	<0.1	0.2	0.1	63	0.52	0.038	6
L0+00N 27+50W	Soil	0.7	33.1	3.4	36	<0.1	12.9	10.0	365	2.55	2.2	2.7	0.9	46	<0.1	0.4	0.1	75	0.50	0.104	4
L0+00N 28+00W	Soil	0.4	34.4	3.0	31	<0.1	12.5	11.0	274	2.50	1.9	2.6	1.0	46	<0.1	0.3	<0.1	73	0.47	0.101	4
L0+00W 26+50W	Soil	0.2	46.8	3.0	31	<0.1	15.6	12.1	310	2.85	1.8	7.9	1.4	62	<0.1	0.3	<0.1	78	0.73	0.058	7
L2+00N 26+00W	Soil	0.2	120.2	3.3	31	0.2	18.8	10.9	243	2.55	2.5	6.9	0.6	55	<0.1	0.3	0.1	77	0.84	0.119	7
L2+00N 26+50W	Soil	0.4	109.5	3.1	37	0.2	18.9	14.5	628	3.30	3.5	7.1	0.8	63	0.1	0.3	<0.1	87	0.96	0.126	7
L2+00N 27+00W	Soil	0.4	38.8	2.7	32	<0.1	12.2	12.0	341	2.68	2.4	3.3	0.9	47	<0.1	0.3	<0.1	72	0.48	0.129	4
L2+00N 27+50W	Soil	0.3	33.9	3.1	30	<0.1	11.0	11.6	245	2.39	1.7	3.1	0.7	41	<0.1	0.2	<0.1	66	0.39	0.089	3
L2+00N 28+00W	Soil	0.4	35.3	3.3	37	<0.1	13.5	10.9	358	2.48	1.4	5.3	1.1	46	<0.1	0.2	0.1	69	0.47	0.111	5
L2+00N 28+50W	Soil	0.6	29.1	3.6	36	0.1	12.4	10.2	532	2.45	1.4	11.0	0.9	47	<0.1	0.3	0.1	67	0.52	0.081	4
L2+00N 29+00W	Soil	0.3	39.4	3.4	36	0.1	13.5	8.9	415	2.57	1.7	303.8	0.9	46	<0.1	0.3	<0.1	74	0.48	0.067	6
L2+00N 29+50W	Soil	0.3	54.0	4.9	31	<0.1	16.9	11.5	559	2.73	3.1	2.4	1.7	53	<0.1	0.3	0.1	73	0.63	0.042	7
L2+00N 30+00W	Soil	0.4	55.7	3.7	35	<0.1	17.5	14.6	515	3.14	3.5	3.6	1.7	58	<0.1	0.3	0.1	88	0.60	0.051	7
L4+00N 00+00W	Soil	0.3	34.2	3.7	49	0.2	18.7	12.7	519	2.64	2.8	1.5	1.0	38	<0.1	0.2	<0.1	63	0.34	0.137	5
L4+00N 00+50W	Soil	0.5	69.1	4.2	33	0.2	25.0	11.5	279	2.60	4.2	2.2	0.6	136	0.1	0.3	<0.1	58	1.76	0.132	7
L4+00N 01+00W	Soil	0.4	41.3	3.7	50	<0.1	20.8	13.8	302	3.04	2.6	73.7	1.4	42	<0.1	0.2	<0.1	75	0.44	0.046	6
L4+00N 01+50W	Soil	0.8	32.5	3.9	73	0.1	20.5	14.1	827	3.24	3.3	<0.5	1.3	39	0.2	0.2	<0.1	64	0.41	0.144	6
L4+00N 02+00W	Soil	0.8	52.5	5.7	84	0.1	22.7	16.2	561	4.39	6.0	1.7	1.2	31	<0.1	0.3	<0.1	86	0.42	0.062	6
L4+00N 02+50W	Soil	0.8	22.4	7.0	111	0.2	19.4	12.0	992	2.87	3.4	0.8	0.8	25	0.3	0.2	<0.1	50	0.31	0.069	4
L4+00N 03+00W	Soil	0.8	35.8	6.7	99	0.1	24.4	13.8	641	3.44	5.6	2.5	1.0	24	0.2	0.2	<0.1	60	0.32	0.150	4
L4+00N 03+50W	Soil	0.9	26.7	8.5	124	0.2	22.3	13.6	1248	2.86	5.9	<0.5	1.0	28	0.4	0.2	<0.1	48	0.42	0.135	4
L4+00N 04+00W	Soil	0.8	40.4	3.7	124	<0.1	22.3	17.6	849	4.62	5.7	105.0	1.0	21	0.1	0.2	<0.1	78	0.38	0.083	3
L4+00N 04+50W	Soil	0.7	29.1	4.9	85	0.2	22.3	13.3	635	2.98	4.2	<0.5	1.1	37	0.2	0.2	<0.1	66	0.41	0.110	4
L4+00N 05+00W	Soil	0.5	59.3	3.4	54	0.1	22.1	15.8	722	3.02	3.5	1.9	0.9	48	<0.1	0.2	<0.1	84	0.55	0.117	6
L4+00N 05+50W	Soil	0.4	67.0	4.1	120	0.2	59.0	29.6	895	4.53	4.2	0.6	1.4	40	0.2	0.3	<0.1	103	0.57	0.161	7
L4+00N 06+00W	Soil	0.5	45.4	3.8	77	0.1	30.1	17.7	825	3.30	2.8	1.7	1.0	47	<0.1	0.1	<0.1	86	0.53	0.117	5
L4+00N 06+50W	Soil	0.5	24.1	3.7	62	0.1	23.9	14.2	823	2.69	2.0	<0.5	0.9	27	<0.1	0.1	<0.1	67	0.28	0.131	3
L4+00N 07+00W	Soil	0.3	35.3	6.1	113	<0.1	24.0	18.1	1735	3.37	1.9	0.8	0.9	34	0.2	0.2	0.1	126	0.51	0.104	4
L4+00N 07+50W	Soil	0.4	76.8	4.3	104	0.2	22.4	20.3	1121	3.60	3.4	<0.5	1.3	47	0.1	0.1	0.1	120	0.52	0.301	5

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Project: MELBA
Report Date: June 16, 2017

CERTIFICATE OF ANALYSIS VAN17001059.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L0+00N 26+00W	Soil		34	0.67	122	0.094	<20	1.48	0.011	0.07	<0.1	0.05	5.6	<0.1	<0.05	4	<0.5	<0.2
L0+00N 27+00W	Soil		29	0.56	138	0.152	<20	1.53	0.016	0.11	0.1	0.02	4.5	<0.1	<0.05	5	<0.5	<0.2
L0+00N 27+50W	Soil		31	0.59	94	0.140	<20	1.39	0.010	0.10	0.5	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
L0+00N 28+00W	Soil		30	0.60	96	0.149	<20	1.40	0.009	0.09	0.1	0.01	3.9	<0.1	<0.05	5	<0.5	<0.2
L0+00W 26+50W	Soil		38	0.78	139	0.170	<20	1.58	0.016	0.14	0.1	0.03	5.2	<0.1	<0.05	5	<0.5	<0.2
L2+00N 26+00W	Soil		40	0.82	171	0.090	<20	2.33	0.013	0.08	<0.1	0.06	7.8	<0.1	<0.05	6	<0.5	<0.2
L2+00N 26+50W	Soil		43	0.99	135	0.112	<20	2.17	0.014	0.14	0.1	0.04	7.6	<0.1	<0.05	6	0.6	<0.2
L2+00N 27+00W	Soil		29	0.58	99	0.135	<20	1.38	0.010	0.08	0.1	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
L2+00N 27+50W	Soil		29	0.60	101	0.146	<20	1.71	0.011	0.07	<0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
L2+00N 28+00W	Soil		31	0.64	115	0.138	<20	1.61	0.011	0.09	0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
L2+00N 28+50W	Soil		30	0.60	109	0.139	<20	1.41	0.011	0.11	0.1	0.01	4.0	<0.1	<0.05	5	<0.5	<0.2
L2+00N 29+00W	Soil		32	0.58	115	0.143	<20	1.51	0.014	0.11	0.4	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
L2+00N 29+50W	Soil		31	0.68	184	0.162	<20	2.27	0.020	0.15	0.1	0.02	5.8	<0.1	<0.05	6	<0.5	<0.2
L2+00N 30+00W	Soil		41	0.77	156	0.174	<20	1.84	0.015	0.14	0.2	0.06	6.7	<0.1	<0.05	5	<0.5	<0.2
L4+00N 00+00W	Soil		35	0.69	175	0.127	<20	1.89	0.016	0.22	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
L4+00N 00+50W	Soil		32	0.73	234	0.094	<20	1.68	0.017	0.27	<0.1	0.05	3.6	<0.1	0.23	4	3.9	<0.2
L4+00N 01+00W	Soil		38	0.87	131	0.173	<20	1.96	0.017	0.46	<0.1	0.02	4.8	0.1	<0.05	5	<0.5	<0.2
L4+00N 01+50W	Soil		33	0.91	283	0.139	<20	2.33	0.012	0.65	<0.1	0.01	4.1	0.1	<0.05	6	<0.5	<0.2
L4+00N 02+00W	Soil		41	1.48	159	0.182	<20	2.50	0.007	1.00	<0.1	<0.01	4.9	0.2	<0.05	6	<0.5	<0.2
L4+00N 02+50W	Soil		26	0.81	224	0.131	<20	2.17	0.015	0.57	<0.1	0.01	3.0	0.2	<0.05	5	<0.5	<0.2
L4+00N 03+00W	Soil		35	1.01	224	0.135	<20	2.52	0.013	0.70	<0.1	<0.01	4.0	0.2	0.06	6	<0.5	<0.2
L4+00N 03+50W	Soil		27	0.73	245	0.113	<20	2.17	0.017	0.35	<0.1	<0.01	3.0	0.1	<0.05	6	<0.5	<0.2
L4+00N 04+00W	Soil		28	1.61	264	0.206	<20	3.01	0.009	1.18	<0.1	<0.01	4.0	0.3	<0.05	7	<0.5	<0.2
L4+00N 04+50W	Soil		36	0.81	170	0.144	<20	2.18	0.015	0.35	<0.1	0.01	4.0	<0.1	<0.05	6	<0.5	<0.2
L4+00N 05+00W	Soil		41	0.91	144	0.133	<20	1.93	0.015	0.25	<0.1	0.03	6.0	<0.1	<0.05	6	<0.5	<0.2
L4+00N 05+50W	Soil		91	1.38	216	0.166	<20	3.36	0.020	0.26	<0.1	0.03	10.6	0.1	<0.05	9	<0.5	<0.2
L4+00N 06+00W	Soil		62	1.14	193	0.147	<20	2.32	0.015	0.32	<0.1	0.02	7.1	<0.1	<0.05	6	<0.5	<0.2
L4+00N 06+50W	Soil		47	0.79	165	0.127	<20	2.03	0.015	0.14	<0.1	0.03	4.4	<0.1	<0.05	6	<0.5	<0.2
L4+00N 07+00W	Soil		45	1.20	203	0.137	<20	2.41	0.013	0.09	<0.1	0.04	8.6	<0.1	<0.05	8	<0.5	<0.2
L4+00N 07+50W	Soil		36	1.38	296	0.147	<20	2.78	0.018	0.15	<0.1	0.02	9.3	<0.1	<0.05	8	<0.5	<0.2

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Project: MELBA
Report Date: June 16, 2017

CERTIFICATE OF ANALYSIS VAN17001059.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L4+00N 08+00W	Soil		0.4	105.2	2.4	52	<0.1	26.1	20.4	580	3.76	4.6	5.5	0.9	64	<0.1	0.3	<0.1	116	0.87	0.125	6
L4+00N 08+50W	Soil		0.6	60.1	8.0	72	0.1	21.2	15.7	763	2.98	2.9	2.4	1.3	46	0.2	0.1	<0.1	80	0.47	0.161	5
L4+00N 09+00W	Soil		0.8	70.6	3.4	110	0.1	16.8	27.9	1368	5.29	2.6	17.1	1.1	31	<0.1	<0.1	<0.1	158	0.60	0.201	8
L4+00N 09+50W	Soil		0.7	81.4	4.6	67	0.1	20.8	19.4	865	3.57	3.0	1.3	1.4	46	0.1	0.1	<0.1	98	0.58	0.192	7
L4+00N 10+00W	Soil		0.7	82.0	4.6	72	0.2	21.4	18.6	532	3.72	3.1	1.8	1.3	41	0.1	0.1	<0.1	111	0.50	0.231	6
L4+00N 10+50W	Soil		0.4	144.0	5.0	78	0.1	23.6	20.5	833	3.78	3.3	1.3	1.5	32	<0.1	0.1	<0.1	128	0.48	0.322	6
L4+00N 11+00W	Soil		0.3	197.3	3.8	67	0.2	20.0	14.8	592	2.77	2.5	2.1	1.2	34	0.2	<0.1	0.1	88	0.62	0.280	6
L4+00N 11+50W	Soil		0.3	151.2	3.1	76	0.2	16.0	20.8	635	3.70	1.8	2.2	1.1	36	<0.1	<0.1	<0.1	126	0.62	0.184	7
L4+00N 12+00W	Soil		0.3	43.0	3.3	42	<0.1	18.9	13.6	347	2.80	1.8	2.1	0.9	34	<0.1	0.1	<0.1	70	0.35	0.136	3
L4+00N 12+50W	Soil		0.3	44.3	3.4	39	0.2	19.0	12.7	435	2.73	2.3	302.4	1.0	35	<0.1	0.1	<0.1	66	0.40	0.139	4
L4+00N 13+00W	Soil		0.4	29.8	3.6	34	0.1	16.0	10.0	364	2.17	2.2	0.6	1.0	26	<0.1	<0.1	<0.1	51	0.31	0.206	4
L4+00N 13+50W	Soil		0.4	54.1	4.0	40	0.2	23.1	13.0	242	2.76	2.8	2.0	1.4	34	<0.1	0.1	<0.1	65	0.38	0.188	4
L4+00N 14+00W	Soil		0.4	58.0	3.6	37	0.1	20.3	13.3	413	2.77	2.8	2.9	1.1	38	<0.1	0.2	<0.1	72	0.57	0.147	6
L4+00N 14+50W	Soil		0.3	49.7	2.9	43	0.1	17.8	13.9	436	2.80	2.8	1.7	0.8	29	<0.1	0.1	<0.1	71	0.33	0.216	3
L4+00N 15+00W	Soil		0.2	52.7	3.4	32	<0.1	17.0	11.2	198	2.45	2.1	3.6	1.0	34	<0.1	0.1	<0.1	61	0.39	0.091	4
L4+00N 15+50W	Soil		0.3	34.1	3.4	42	0.1	15.5	10.6	191	2.12	1.8	1.4	1.1	21	<0.1	0.1	<0.1	45	0.24	0.225	3
L4+00N 16+00W	Soil		0.5	34.1	4.0	40	<0.1	14.4	9.2	548	2.24	1.8	1.1	0.8	33	<0.1	0.1	<0.1	57	0.45	0.080	4
L4+00N 16+50W	Soil		0.4	29.5	4.0	46	0.1	13.1	9.8	691	1.94	1.3	1.5	0.6	28	<0.1	0.1	<0.1	49	0.37	0.120	3
L4+00N 17+00W	Soil		0.5	45.9	3.5	40	0.2	17.5	11.8	400	2.28	2.1	10.5	0.8	26	<0.1	0.2	<0.1	53	0.34	0.169	4
L4+00N 17+50W	Soil		0.5	33.8	4.1	41	0.1	17.0	10.4	550	2.20	1.9	0.8	0.9	30	<0.1	0.1	<0.1	53	0.36	0.131	4
L4+00N 18+00W	Soil		0.5	38.4	4.2	49	0.1	14.9	11.0	720	2.33	2.3	1.3	0.9	27	<0.1	0.1	<0.1	56	0.31	0.184	3
L4+00N 18+50W	Soil		0.3	40.4	3.5	37	0.1	15.7	11.1	333	2.48	1.6	1.1	1.0	35	<0.1	0.1	<0.1	63	0.38	0.122	4
L4+00N 19+00W	Soil		0.3	66.0	2.6	51	0.2	14.6	10.3	451	2.04	2.1	35.5	0.2	57	0.2	0.1	<0.1	50	1.08	0.147	4
L4+00N 19+50W	Soil		0.4	40.5	3.7	45	0.1	15.4	11.2	467	2.36	2.1	1.8	1.0	29	<0.1	0.1	<0.1	60	0.33	0.157	4
L4+00N 20+00W	Soil		0.4	43.3	4.0	33	0.1	15.2	11.0	266	2.45	2.1	19.8	0.9	35	<0.1	0.1	<0.1	61	0.39	0.121	4
L4+00N 20+50W	Soil		0.4	41.6	3.6	36	0.1	15.5	11.8	328	2.55	1.8	4.0	0.9	38	<0.1	0.2	<0.1	64	0.42	0.147	4
L4+00N 21+00W	Soil		0.2	86.8	4.1	25	<0.1	14.3	10.6	246	2.62	2.4	3.9	1.2	56	<0.1	0.3	0.1	73	0.86	0.029	8
L4+00N 21+50W	Soil		0.2	57.8	3.3	28	<0.1	14.7	10.0	267	2.70	1.6	3.6	1.1	54	<0.1	0.2	<0.1	69	0.68	0.048	6
L4+00N 22+00W	Soil		0.2	44.4	2.6	27	<0.1	14.1	10.9	332	2.35	2.3	2.9	0.6	91	<0.1	0.2	<0.1	66	2.52	0.083	5
L4+00N 22+50W	Soil		0.2	34.4	2.4	27	<0.1	11.2	10.0	311	2.31	1.6	12.6	0.9	80	<0.1	0.2	<0.1	65	1.94	0.103	5

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Client: **Max Investment Inc.**
3750 West 49th Ave
Vancouver British Columbia V6N 3T8 Canada

Project: MELBA
Report Date: June 16, 2017

CERTIFICATE OF ANALYSIS VAN17001059.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L4+00N 08+00W	Soil		92	1.55	127	0.176	<20	2.28	0.010	0.30	<0.1	0.03	7.4	<0.1	<0.05	6	<0.5	<0.2
L4+00N 08+50W	Soil		43	0.97	243	0.146	<20	2.41	0.015	0.26	<0.1	0.02	5.6	<0.1	<0.05	6	<0.5	<0.2
L4+00N 09+00W	Soil		28	2.12	348	0.246	<20	3.89	0.010	0.51	<0.1	0.02	6.4	0.1	<0.05	9	<0.5	<0.2
L4+00N 09+50W	Soil		40	1.14	279	0.152	<20	2.87	0.016	0.17	0.1	0.03	5.7	<0.1	<0.05	8	<0.5	<0.2
L4+00N 10+00W	Soil		43	1.25	198	0.155	<20	2.98	0.012	0.11	<0.1	0.02	5.5	<0.1	<0.05	8	<0.5	<0.2
L4+00N 10+50W	Soil		43	1.38	282	0.170	<20	3.30	0.017	0.12	0.1	0.02	7.3	0.1	<0.05	9	<0.5	<0.2
L4+00N 11+00W	Soil		37	1.09	163	0.099	<20	2.44	0.019	0.10	<0.1	0.03	9.0	<0.1	<0.05	6	<0.5	<0.2
L4+00N 11+50W	Soil		36	1.66	215	0.154	<20	2.75	0.010	0.14	0.1	0.03	8.3	<0.1	<0.05	7	<0.5	<0.2
L4+00N 12+00W	Soil		36	0.90	179	0.118	<20	2.06	0.012	0.18	<0.1	<0.01	4.3	<0.1	<0.05	6	<0.5	<0.2
L4+00N 12+50W	Soil		34	0.69	165	0.117	<20	1.95	0.012	0.15	<0.1	0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
L4+00N 13+00W	Soil		29	0.52	171	0.097	<20	1.89	0.012	0.10	<0.1	0.03	3.5	<0.1	<0.05	5	<0.5	<0.2
L4+00N 13+50W	Soil		40	0.76	191	0.123	<20	2.20	0.012	0.15	<0.1	0.02	4.5	<0.1	<0.05	6	<0.5	<0.2
L4+00N 14+00W	Soil		42	0.76	167	0.120	<20	1.92	0.010	0.19	<0.1	0.03	4.9	<0.1	<0.05	5	<0.5	<0.2
L4+00N 14+50W	Soil		32	0.68	124	0.108	<20	1.82	0.009	0.12	<0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
L4+00N 15+00W	Soil		31	0.58	197	0.121	<20	1.91	0.011	0.11	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
L4+00N 15+50W	Soil		25	0.45	171	0.094	<20	1.87	0.012	0.09	<0.1	0.03	3.1	<0.1	<0.05	5	<0.5	<0.2
L4+00N 16+00W	Soil		28	0.49	120	0.110	<20	1.37	0.009	0.14	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
L4+00N 16+50W	Soil		24	0.46	133	0.095	<20	1.46	0.009	0.11	<0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
L4+00N 17+00W	Soil		28	0.54	153	0.098	<20	1.81	0.010	0.12	<0.1	0.03	3.0	<0.1	<0.05	5	<0.5	<0.2
L4+00N 17+50W	Soil		29	0.50	145	0.104	<20	1.80	0.010	0.13	0.1	0.03	3.1	<0.1	<0.05	5	<0.5	<0.2
L4+00N 18+00W	Soil		30	0.51	107	0.100	<20	1.81	0.009	0.09	0.1	0.03	3.0	<0.1	<0.05	5	<0.5	<0.2
L4+00N 18+50W	Soil		32	0.61	130	0.119	<20	1.93	0.008	0.11	0.1	0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
L4+00N 19+00W	Soil		28	0.63	175	0.072	<20	1.45	0.014	0.11	0.2	0.04	2.9	<0.1	<0.05	4	0.6	<0.2
L4+00N 19+50W	Soil		27	0.52	111	0.120	<20	2.02	0.010	0.07	0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
L4+00N 20+00W	Soil		33	0.63	140	0.114	<20	2.11	0.011	0.10	<0.1	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
L4+00N 20+50W	Soil		33	0.68	156	0.116	<20	1.90	0.010	0.11	<0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
L4+00N 21+00W	Soil		33	0.72	156	0.136	<20	2.09	0.019	0.13	<0.1	0.03	5.3	<0.1	<0.05	6	<0.5	<0.2
L4+00N 21+50W	Soil		34	0.74	124	0.145	<20	1.68	0.014	0.13	<0.1	0.03	5.1	<0.1	<0.05	5	<0.5	<0.2
L4+00N 22+00W	Soil		32	0.74	139	0.101	<20	1.34	0.020	0.20	<0.1	0.02	4.0	<0.1	<0.05	4	<0.5	<0.2
L4+00N 22+50W	Soil		30	0.63	124	0.122	<20	1.17	0.013	0.14	<0.1	0.02	4.0	<0.1	<0.05	4	<0.5	<0.2

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Project: MELBA
Report Date: June 16, 2017

CERTIFICATE OF ANALYSIS VAN17001059.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L4+00N 25+50W	Soil		<0.1	81.3	1.0	24	<0.1	14.4	10.5	216	2.43	1.9	4.5	0.9	63	<0.1	0.2	<0.1	67	1.09	0.146	7
L4+00N 26+00W	Soil		0.5	43.8	3.2	29	<0.1	14.7	11.3	329	2.50	1.7	79.4	0.8	48	<0.1	0.2	0.1	66	0.55	0.111	5
L4+00N 26+50W	Soil		0.2	48.8	4.3	29	<0.1	14.2	11.0	527	2.61	2.6	1.0	1.1	45	<0.1	0.2	0.1	70	0.54	0.046	5
L4+00N 27+00W	Soil		0.6	37.3	3.7	36	<0.1	13.8	11.2	474	2.58	2.2	2.9	0.7	37	<0.1	0.2	0.1	60	0.45	0.161	4
L4+00N 27+50W	Soil		0.4	33.2	4.0	33	0.1	12.8	9.6	356	2.23	2.1	<0.5	0.7	34	<0.1	0.1	<0.1	53	0.37	0.107	4
L4+00N 28+00W	Soil		0.4	31.3	3.6	31	<0.1	12.3	10.4	336	2.39	2.0	0.9	0.8	35	<0.1	0.1	<0.1	62	0.42	0.096	4
L4+00N 28+50W	Soil		0.4	49.2	3.0	38	<0.1	15.1	12.7	301	2.87	2.3	1.5	0.6	42	<0.1	0.2	0.1	81	0.49	0.109	4
L4+00N 29+00W	Soil		0.3	36.4	2.5	25	<0.1	10.1	10.8	262	2.39	2.4	7.9	0.7	42	<0.1	0.2	<0.1	68	0.49	0.091	4
L4+00N 29+50W	Soil		0.4	61.5	3.0	36	<0.1	16.6	12.9	382	3.00	3.4	5.1	1.1	50	<0.1	0.3	0.1	88	0.61	0.106	7
L4+00N 30+00W	Soil		0.4	29.5	3.5	34	<0.1	12.9	11.2	442	2.86	1.7	1.9	0.8	40	<0.1	0.2	<0.1	83	0.47	0.064	3
L6+00N 00+00W	Soil		0.3	48.8	4.9	44	0.1	20.5	13.1	280	2.65	3.8	1.4	1.2	36	<0.1	<0.1	<0.1	58	0.41	0.058	5
L6+00N 00+50W	Soil		0.3	32.9	4.2	31	<0.1	17.9	10.7	371	2.38	2.5	1.4	0.9	34	<0.1	<0.1	<0.1	52	0.36	0.040	4
L6+00N 01+00W	Soil		0.5	37.2	4.7	65	0.3	24.6	13.8	532	2.98	3.4	19.7	1.0	28	<0.1	0.1	<0.1	66	0.37	0.143	4
L6+00N 01+50W	Soil		0.8	25.4	8.4	90	0.3	21.2	12.1	694	2.54	2.8	4.4	0.8	29	0.2	0.1	<0.1	54	0.40	0.159	4
L6+00N 02+00W	Soil		0.6	20.9	3.3	71	<0.1	17.5	9.7	382	2.38	2.0	<0.5	0.9	21	<0.1	0.1	<0.1	58	0.22	0.060	3
L6+00N 02+50W	Soil		1.0	25.1	5.8	124	0.1	20.1	12.0	1078	2.82	4.6	6.5	1.0	31	0.5	0.1	<0.1	55	0.54	0.093	3
L6+00N 03+00W	Soil		0.6	31.5	4.3	126	0.2	28.5	14.5	661	3.00	5.1	<0.5	1.1	27	0.1	0.1	<0.1	60	0.32	0.183	4
L6+00N 03+50W	Soil		0.7	27.8	3.1	61	<0.1	26.3	14.8	433	3.34	2.6	0.8	0.7	29	<0.1	0.1	<0.1	78	0.36	0.043	3
L6+00N 04+00W	Soil		0.6	43.5	7.2	76	0.2	41.8	20.9	644	3.49	9.1	1.4	0.8	27	0.2	0.2	<0.1	96	0.43	0.083	4
L6+00N 04+50W	Soil		0.4	69.3	5.3	59	0.1	29.9	20.2	436	3.68	4.1	<0.5	0.9	35	<0.1	0.2	<0.1	105	0.41	0.079	5
L6+00N 05+00W	Soil		0.4	28.3	7.2	103	0.1	31.7	17.5	495	2.45	3.1	25.3	0.9	24	0.1	<0.1	<0.1	56	0.26	0.184	2
L6+00N 05+50W	Soil		0.5	48.4	3.7	85	<0.1	33.4	24.5	582	3.94	2.3	0.8	1.0	30	0.1	0.1	<0.1	103	0.47	0.148	3
L6+00N 06+00W	Soil		0.4	51.4	3.8	83	0.2	29.8	18.0	699	3.27	3.4	2.9	1.1	36	0.1	0.1	<0.1	83	0.43	0.149	4
L6+00N 06+50W	Soil		0.4	39.6	3.3	44	0.2	19.4	11.5	456	2.34	2.2	<0.5	0.8	35	<0.1	0.1	<0.1	63	0.36	0.046	3
L6+00N 07+00W	Soil		0.4	46.0	3.0	59	0.1	19.4	15.6	404	3.28	2.8	<0.5	1.1	44	<0.1	0.1	<0.1	98	0.49	0.094	6
L6+00N 07+50W	Soil		0.3	48.9	3.4	39	0.2	17.5	13.6	398	2.73	3.0	<0.5	1.4	50	<0.1	0.1	<0.1	71	0.53	0.035	5
L6+00N 08+00W	Soil		0.5	131.7	3.7	68	0.2	23.9	26.2	922	4.46	3.5	9.7	1.2	47	<0.1	<0.1	<0.1	163	0.79	0.168	6
L6+00N 08+50W	Soil		0.3	67.2	3.3	45	0.1	21.4	15.9	348	3.08	3.7	<0.5	1.2	48	<0.1	0.2	<0.1	78	0.49	0.148	5
L6+00N 09+00W	Soil		0.4	64.9	3.2	41	0.2	17.7	14.1	403	2.84	3.0	<0.5	0.9	38	<0.1	0.2	<0.1	78	0.45	0.099	5
L6+00N 09+50W	Soil		0.6	39.2	3.5	45	0.2	17.1	12.4	716	2.53	2.4	<0.5	0.7	36	<0.1	0.1	<0.1	60	0.38	0.148	4

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	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L4+00N 25+50W	Soil	37	0.82	120	0.107	<20	1.79	0.015	0.05	<0.1	0.04	6.2	<0.1	<0.05	5	<0.5	<0.2
L4+00N 26+00W	Soil	33	0.68	150	0.113	<20	1.70	0.012	0.13	0.2	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
L4+00N 26+50W	Soil	32	0.65	155	0.142	<20	2.06	0.017	0.15	0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
L4+00N 27+00W	Soil	30	0.62	138	0.104	<20	1.76	0.009	0.11	0.1	0.05	3.7	<0.1	<0.05	5	<0.5	<0.2
L4+00N 27+50W	Soil	26	0.50	159	0.099	<20	1.79	0.011	0.10	<0.1	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
L4+00N 28+00W	Soil	29	0.57	133	0.120	<20	1.65	0.011	0.14	0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
L4+00N 28+50W	Soil	36	0.81	111	0.123	<20	1.53	0.009	0.12	0.1	0.08	4.2	<0.1	<0.05	5	<0.5	<0.2
L4+00N 29+00W	Soil	26	0.55	84	0.119	<20	1.13	0.009	0.07	<0.1	0.02	3.7	<0.1	<0.05	3	<0.5	<0.2
L4+00N 29+50W	Soil	37	0.79	108	0.139	<20	1.58	0.011	0.13	0.2	0.02	6.2	<0.1	<0.05	4	<0.5	<0.2
L4+00N 30+00W	Soil	32	0.59	107	0.135	<20	1.47	0.008	0.11	0.1	0.01	3.9	<0.1	<0.05	4	<0.5	<0.2
L6+00N 00+00W	Soil	30	0.71	186	0.138	<20	2.10	0.016	0.32	<0.1	0.02	3.1	0.1	<0.05	5	<0.5	<0.2
L6+00N 00+50W	Soil	26	0.55	243	0.122	<20	1.92	0.015	0.23	<0.1	0.05	2.8	<0.1	<0.05	5	<0.5	<0.2
L6+00N 01+00W	Soil	37	0.84	229	0.127	<20	2.22	0.010	0.40	<0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
L6+00N 01+50W	Soil	27	0.71	200	0.107	<20	1.95	0.011	0.33	<0.1	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
L6+00N 02+00W	Soil	31	0.71	186	0.117	<20	1.72	0.009	0.31	<0.1	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
L6+00N 02+50W	Soil	33	0.81	212	0.113	<20	2.11	0.010	0.54	<0.1	0.02	3.5	0.1	<0.05	5	<0.5	<0.2
L6+00N 03+00W	Soil	39	0.93	262	0.128	<20	2.35	0.010	0.40	<0.1	0.01	4.0	0.1	<0.05	6	<0.5	<0.2
L6+00N 03+50W	Soil	55	1.23	101	0.138	<20	2.09	0.007	0.40	<0.1	<0.01	4.6	0.1	<0.05	5	<0.5	<0.2
L6+00N 04+00W	Soil	68	1.21	143	0.130	<20	2.38	0.010	0.28	<0.1	0.03	6.7	<0.1	<0.05	6	<0.5	<0.2
L6+00N 04+50W	Soil	52	1.21	132	0.161	<20	2.15	0.010	0.38	<0.1	0.01	7.0	<0.1	<0.05	6	<0.5	<0.2
L6+00N 05+00W	Soil	39	0.65	174	0.112	<20	2.07	0.014	0.15	<0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
L6+00N 05+50W	Soil	64	1.38	148	0.170	<20	2.81	0.008	0.16	<0.1	0.02	6.8	<0.1	<0.05	8	<0.5	<0.2
L6+00N 06+00W	Soil	48	0.95	180	0.132	<20	2.36	0.012	0.18	<0.1	0.02	5.8	<0.1	<0.05	7	<0.5	<0.2
L6+00N 06+50W	Soil	32	0.72	129	0.144	<20	1.79	0.012	0.17	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
L6+00N 07+00W	Soil	42	1.08	129	0.168	<20	1.94	0.008	0.28	<0.1	0.01	5.0	<0.1	<0.05	5	<0.5	<0.2
L6+00N 07+50W	Soil	31	0.81	139	0.154	<20	2.04	0.013	0.32	<0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
L6+00N 08+00W	Soil	39	1.67	313	0.201	<20	3.17	0.011	0.57	0.1	0.03	8.9	0.1	<0.05	8	<0.5	<0.2
L6+00N 08+50W	Soil	40	0.96	162	0.134	<20	2.02	0.011	0.22	<0.1	0.01	5.0	<0.1	<0.05	6	<0.5	<0.2
L6+00N 09+00W	Soil	37	0.87	153	0.132	<20	1.85	0.011	0.22	<0.1	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2
L6+00N 09+50W	Soil	33	0.70	201	0.105	<20	1.96	0.011	0.16	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2

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Client: **Max Investment Inc.**
3750 West 49th Ave
Vancouver British Columbia V6N 3T8 Canada

Project: MELBA
Report Date: June 16, 2017

CERTIFICATE OF ANALYSIS VAN17001059.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L6+00N 10+00W	Soil		0.3	57.5	2.6	43	0.2	18.5	14.8	412	3.00	2.8	1.2	1.0	44	<0.1	0.2	<0.1	86	0.50	0.091	6
L6+00N 10+50W	Soil		0.4	97.0	3.8	56	0.2	20.7	17.4	498	3.31	3.8	9.0	1.6	40	<0.1	0.1	<0.1	94	0.49	0.200	8
L6+00N 11+00W	Soil		0.2	50.7	3.5	23	0.2	12.9	9.0	394	1.98	1.1	<0.5	0.7	40	<0.1	<0.1	<0.1	50	0.50	0.025	4
L6+00N 11+50W	Soil		0.4	59.7	3.6	46	0.2	19.2	13.9	531	2.69	2.9	1.5	0.9	38	<0.1	0.1	<0.1	75	0.53	0.148	5
L6+00N 12+00W	Soil		0.5	51.6	3.9	49	0.2	18.8	12.5	644	2.48	2.6	3.8	0.8	31	<0.1	0.1	<0.1	68	0.42	0.164	4
L6+00N 12+50W	Soil		0.4	49.2	2.9	37	0.2	21.6	14.3	372	2.97	2.2	6.2	0.6	38	<0.1	0.1	<0.1	85	0.50	0.116	4
L6+00N 13+00W	Soil		0.3	41.0	3.7	37	0.1	20.7	13.1	334	2.80	2.5	114.0	1.3	40	<0.1	0.1	<0.1	72	0.49	0.077	5
L6+00N 13+50W	Soil		0.2	32.2	2.5	24	<0.1	13.8	10.7	180	2.18	1.2	<0.5	0.5	30	<0.1	0.1	<0.1	55	0.36	0.077	2
L6+00N 14+00W	Soil		0.3	47.2	3.1	38	<0.1	17.9	12.5	430	2.54	2.5	2.1	1.1	38	<0.1	0.1	<0.1	67	0.43	0.172	4
L6+00N 14+50W	Soil		0.3	53.2	3.0	35	<0.1	19.7	13.2	283	2.70	2.4	2.3	1.3	36	<0.1	0.1	<0.1	64	0.41	0.193	4
L6+00N 15+00W	Soil		0.4	19.9	4.7	37	<0.1	14.3	9.0	397	2.05	1.4	<0.5	0.9	22	<0.1	<0.1	<0.1	50	0.23	0.110	3
L6+00N 15+50W	Soil		0.5	12.8	5.4	47	<0.1	10.8	7.2	748	1.63	1.2	3.3	0.5	18	<0.1	<0.1	<0.1	44	0.23	0.064	2
L6+00N 16+00W	Soil		0.4	25.9	4.1	46	0.2	14.6	8.9	397	1.88	1.1	0.9	1.1	20	<0.1	<0.1	<0.1	46	0.23	0.190	4
L6+00N 16+50W	Soil		0.3	47.8	3.7	40	0.1	18.8	11.6	227	2.41	2.2	2.1	1.2	31	0.3	0.1	<0.1	61	0.34	0.170	4
L6+00N 17+00W	Soil		0.3	55.8	3.9	50	0.1	22.8	13.8	251	2.72	2.7	<0.5	1.6	30	<0.1	0.1	<0.1	63	0.37	0.216	4
L6+00N 17+50W	Soil		0.4	17.6	3.5	28	<0.1	11.7	9.0	385	1.83	0.9	1.6	0.5	21	<0.1	<0.1	<0.1	46	0.20	0.075	2
L6+00N 18+00W	Soil		0.2	35.0	2.9	37	0.1	13.3	10.8	284	1.89	1.5	1.6	0.7	46	<0.1	<0.1	<0.1	48	0.58	0.088	4
L6+00N 19+00W	Soil		0.2	172.5	2.6	29	0.3	18.9	10.4	288	2.15	2.8	2.4	0.3	54	<0.1	0.1	<0.1	54	1.13	0.068	8
L6+00N 19+50W	Soil		0.5	36.8	3.5	39	<0.1	12.8	10.7	424	2.34	2.2	1.0	0.8	35	<0.1	0.1	<0.1	55	0.33	0.136	4
L6+00N 20+00W	Soil		0.4	29.1	3.5	39	<0.1	11.7	9.4	439	2.14	1.8	3.4	0.7	33	<0.1	0.1	<0.1	56	0.32	0.116	3
L6+00N 20+50W	Soil		0.3	44.6	3.3	35	<0.1	14.3	10.3	255	2.42	2.4	<0.5	0.9	44	<0.1	0.2	<0.1	68	0.49	0.097	5
L6+00N 21+00W	Soil		0.4	48.9	3.4	39	<0.1	14.8	11.7	346	2.52	2.4	<0.5	1.0	41	<0.1	0.1	<0.1	61	0.42	0.118	5
L6+00N 21+50W	Soil		0.4	28.1	2.9	41	<0.1	12.7	10.8	717	2.39	2.3	<0.5	0.8	36	<0.1	0.2	<0.1	64	0.38	0.092	3
L6+00N 24+00W	Soil		0.4	41.2	2.5	28	<0.1	11.3	12.0	315	2.54	2.5	12.0	0.8	45	<0.1	0.2	<0.1	66	0.49	0.120	4
L6+00N 24+50W	Soil		0.3	44.6	2.7	29	<0.1	11.7	11.8	269	2.51	2.5	7.7	0.8	49	<0.1	0.2	<0.1	68	0.54	0.136	4
L6+00N 25+00W	Soil		0.4	109.4	3.2	35	0.1	14.9	11.5	560	2.21	3.1	0.5	0.6	66	0.1	0.2	<0.1	62	0.94	0.119	7
L6+00N 25+50W	Soil		0.2	37.5	3.7	30	<0.1	13.1	10.5	229	2.43	2.4	6.6	0.8	43	<0.1	0.2	0.1	62	0.41	0.060	5
L6+00N 26+00W	Soil		0.4	37.7	3.5	30	0.1	12.6	10.1	328	2.30	2.0	<0.5	0.7	38	<0.1	0.2	<0.1	55	0.37	0.120	4
L6+00N 26+50W	Soil		0.2	58.1	2.4	38	<0.1	15.7	12.4	429	2.83	3.2	5.5	1.0	58	<0.1	0.2	<0.1	79	0.72	0.094	5
L6+00N 27+00W	Soil		0.3	41.0	4.1	35	0.1	15.5	10.8	434	2.37	2.5	0.5	0.9	43	<0.1	0.2	0.1	57	0.44	0.133	5

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		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L6+00N 10+00W	Soil		38	0.94	153	0.146	<20	1.78	0.010	0.26	<0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
L6+00N 10+50W	Soil		35	1.12	211	0.147	<20	2.77	0.011	0.27	<0.1	0.03	5.8	<0.1	<0.05	7	<0.5	<0.2
L6+00N 11+00W	Soil		22	0.50	135	0.113	<20	1.86	0.018	0.12	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
L6+00N 11+50W	Soil		39	0.85	159	0.116	<20	1.82	0.011	0.19	<0.1	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
L6+00N 12+00W	Soil		37	0.75	163	0.106	<20	1.81	0.010	0.17	<0.1	0.04	4.4	<0.1	<0.05	5	<0.5	<0.2
L6+00N 12+50W	Soil		50	1.00	154	0.130	<20	1.85	0.008	0.23	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
L6+00N 13+00W	Soil		41	0.83	211	0.139	<20	2.31	0.015	0.22	<0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
L6+00N 13+50W	Soil		31	0.55	106	0.109	<20	1.39	0.011	0.15	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
L6+00N 14+00W	Soil		38	0.65	148	0.119	<20	1.72	0.009	0.15	<0.1	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
L6+00N 14+50W	Soil		39	0.71	186	0.117	<20	1.92	0.009	0.12	0.1	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2
L6+00N 15+00W	Soil		25	0.42	108	0.104	<20	1.78	0.010	0.07	<0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
L6+00N 15+50W	Soil		17	0.29	80	0.096	<20	1.35	0.010	0.06	0.1	0.04	1.5	<0.1	<0.05	5	<0.5	<0.2
L6+00N 16+00W	Soil		23	0.35	123	0.098	<20	1.91	0.012	0.06	<0.1	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
L6+00N 16+50W	Soil		33	0.62	168	0.113	<20	1.98	0.010	0.13	0.1	0.04	4.1	<0.1	<0.05	5	<0.5	<0.2
L6+00N 17+00W	Soil		38	0.76	225	0.124	<20	2.48	0.011	0.19	0.2	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
L6+00N 17+50W	Soil		23	0.36	130	0.095	<20	1.38	0.011	0.07	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
L6+00N 18+00W	Soil		24	0.54	161	0.098	<20	1.53	0.016	0.07	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
L6+00N 19+00W	Soil		28	0.62	131	0.085	<20	1.59	0.012	0.11	<0.1	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
L6+00N 19+50W	Soil		25	0.46	129	0.101	<20	1.72	0.010	0.07	0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
L6+00N 20+00W	Soil		25	0.47	106	0.107	<20	1.57	0.006	0.08	<0.1	0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
L6+00N 20+50W	Soil		31	0.64	130	0.135	<20	1.61	0.009	0.10	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
L6+00N 21+00W	Soil		30	0.58	144	0.122	<20	1.82	0.008	0.09	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
L6+00N 21+50W	Soil		25	0.54	105	0.115	<20	1.32	0.005	0.10	<0.1	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
L6+00N 24+00W	Soil		27	0.57	105	0.117	<20	1.21	0.005	0.10	<0.1	0.02	3.5	<0.1	<0.05	3	<0.5	<0.2
L6+00N 24+50W	Soil		29	0.62	105	0.123	<20	1.27	0.007	0.10	0.1	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
L6+00N 25+00W	Soil		24	0.55	202	0.089	<20	1.44	0.017	0.10	<0.1	0.05	3.7	<0.1	<0.05	4	<0.5	<0.2
L6+00N 25+50W	Soil		29	0.62	137	0.138	<20	1.81	0.012	0.12	<0.1	0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
L6+00N 26+00W	Soil		25	0.52	147	0.098	<20	1.68	0.008	0.09	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
L6+00N 26+50W	Soil		37	0.97	110	0.146	<20	1.67	0.010	0.12	0.2	0.03	5.1	<0.1	<0.05	5	<0.5	<0.2
L6+00N 27+00W	Soil		27	0.55	186	0.108	<20	2.04	0.015	0.11	<0.1	0.02	4.3	<0.1	<0.05	6	<0.5	<0.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L6+00N 27+50W	Soil	0.3	65.5	3.4	32	0.1	15.8	10.6	318	2.38	2.8	1.7	1.1	46	<0.1	0.2	<0.1	56	0.49	0.084	6
L6+00N 28+00W	Soil	0.4	64.5	3.5	31	0.1	13.0	9.4	671	2.11	2.1	0.9	0.6	52	0.1	0.2	<0.1	53	0.62	0.031	5
L6+00N 28+50W	Soil	0.5	44.5	3.3	34	<0.1	13.0	10.3	408	2.33	2.0	3.7	0.7	45	<0.1	0.2	<0.1	58	0.51	0.117	5
L6+00N 29+00W	Soil	0.3	45.3	3.5	43	<0.1	13.2	8.8	581	2.11	1.8	1.3	0.7	42	<0.1	0.1	<0.1	52	0.45	0.066	5
L6+00N 29+50W	Soil	0.3	33.5	2.6	25	<0.1	10.1	9.8	216	2.26	2.2	<0.5	0.6	45	<0.1	0.2	<0.1	61	0.46	0.093	4
L6+00N 30+00W	Soil	0.4	35.0	3.1	34	<0.1	12.5	11.2	273	2.43	2.0	2.0	0.9	35	<0.1	0.2	<0.1	61	0.36	0.133	4
L8+00N 00+00W	Soil	0.3	34.9	5.6	69	0.2	20.0	13.3	431	2.74	3.3	<0.5	1.0	30	0.1	0.1	<0.1	62	0.40	0.142	4
L8+00N 00+50W	Soil	0.4	30.1	3.9	53	<0.1	18.1	12.0	450	2.60	2.6	<0.5	0.8	29	<0.1	0.1	<0.1	62	0.36	0.106	3
L8+00N 01+00W	Soil	0.5	31.0	3.8	50	0.2	19.5	11.5	638	2.60	3.8	<0.5	0.8	30	<0.1	0.1	<0.1	56	0.36	0.142	3
L8+00N 01+50W	Soil	0.3	28.4	2.9	45	0.1	18.5	11.6	332	2.49	2.5	0.6	0.8	35	<0.1	0.1	<0.1	66	0.37	0.088	3
L8+00N 02+00W	Soil	0.6	25.7	3.5	43	0.2	21.6	11.6	403	2.74	2.4	<0.5	0.8	28	<0.1	0.1	<0.1	62	0.30	0.071	3
L8+00N 02+50W	Soil	0.5	28.5	3.9	44	<0.1	38.0	14.9	586	3.05	2.1	<0.5	0.5	24	<0.1	0.1	<0.1	79	0.23	0.073	2
L8+00N 03+00W	Soil	0.6	53.4	12.8	114	0.2	51.4	23.1	441	4.83	6.4	13.3	0.5	27	<0.1	0.3	<0.1	125	0.33	0.048	2
L8+00N 03+50W	Soil	0.3	22.0	3.4	94	<0.1	49.2	21.2	915	2.65	5.1	1.9	0.4	16	<0.1	0.1	<0.1	63	0.36	0.046	1
L8+00N 04+00W	Soil	0.6	113.8	4.1	94	1.4	52.3	28.3	884	4.11	4.6	1.2	0.9	31	0.4	0.2	0.2	114	0.46	0.127	4
L8+00N 04+50W	Soil	0.3	94.2	2.7	49	0.1	25.7	17.0	586	3.44	5.2	11.0	1.0	81	<0.1	0.3	<0.1	86	2.44	0.123	6
L8+00N 05+00W	Soil	0.6	29.9	4.0	48	0.2	19.4	10.7	732	2.09	2.3	1.6	0.5	40	0.1	0.1	<0.1	47	0.65	0.107	3
L8+00N 05+50W	Soil	0.4	50.1	3.3	47	0.2	18.3	12.5	502	2.44	3.1	1.5	1.0	33	<0.1	0.1	<0.1	56	0.35	0.183	4
L8+00N 06+00W	Soil	0.3	23.2	3.1	43	0.1	12.9	9.5	647	1.95	2.0	2.1	0.7	30	<0.1	0.1	<0.1	47	0.33	0.117	3
L8+00N 06+50W	Soil	0.4	32.4	3.0	45	0.1	16.3	12.6	261	2.49	2.9	6.7	0.8	30	<0.1	0.1	<0.1	57	0.27	0.175	3
L8+00N 07+00W	Soil	0.3	62.8	2.2	41	<0.1	18.1	14.9	368	3.03	4.0	2.7	0.8	54	<0.1	0.2	<0.1	87	0.58	0.124	5
L8+00N 07+50W	Soil	0.3	53.1	3.8	44	0.2	17.7	10.4	299	2.05	2.6	0.8	0.8	26	<0.1	<0.1	<0.1	47	0.29	0.108	4
L8+00N 08+00W	Soil	0.3	38.4	3.2	43	0.2	14.4	10.4	392	2.09	1.9	2.1	0.7	31	<0.1	<0.1	<0.1	47	0.32	0.154	3
L8+00N 08+50W	Soil	0.2	57.6	3.5	36	0.1	17.3	13.1	311	2.78	1.8	2.2	1.3	49	<0.1	0.1	<0.1	65	0.49	0.025	5
L8+00N 09+00W	Soil	0.4	46.6	3.6	55	0.1	16.2	12.3	729	2.40	2.5	0.6	1.0	26	<0.1	0.1	0.1	58	0.28	0.228	4
L8+00N 09+50W	Soil	0.3	32.0	2.9	36	<0.1	14.6	11.8	305	2.79	2.5	2.2	0.5	33	<0.1	0.2	<0.1	74	0.34	0.063	3
L8+00N 10+00W	Soil	0.5	21.0	3.7	27	0.2	10.5	8.6	326	1.71	1.6	1.1	0.8	24	<0.1	0.1	<0.1	33	0.23	0.221	3
L8+00N 10+50W	Soil	0.4	12.8	3.5	15	0.2	6.6	4.8	125	1.36	1.2	0.5	0.6	15	<0.1	<0.1	<0.1	28	0.13	0.118	2
L8+00N 12+50W	Soil	0.2	40.0	3.2	34	0.1	17.3	11.2	229	2.45	3.1	5.9	1.1	25	<0.1	0.1	<0.1	57	0.32	0.186	3
L8+00N 13+00W	Soil	0.3	48.5	2.7	44	<0.1	20.0	14.4	368	2.85	3.6	1.4	0.6	32	<0.1	0.2	<0.1	74	0.39	0.140	3

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Project: MELBA
Report Date: June 16, 2017

CERTIFICATE OF ANALYSIS VAN17001059.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L6+00N 27+50W	Soil		26	0.57	188	0.113	<20	1.85	0.013	0.11	<0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
L6+00N 28+00W	Soil		26	0.57	141	0.113	<20	1.74	0.014	0.13	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
L6+00N 28+50W	Soil		29	0.54	159	0.107	<20	1.71	0.010	0.13	<0.1	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
L6+00N 29+00W	Soil		26	0.55	142	0.111	<20	1.72	0.010	0.10	<0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
L6+00N 29+50W	Soil		25	0.49	91	0.124	<20	1.15	0.007	0.08	<0.1	0.02	3.5	<0.1	<0.05	3	<0.5	<0.2
L6+00N 30+00W	Soil		28	0.53	126	0.108	<20	1.41	0.006	0.09	<0.1	<0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
L8+00N 00+00W	Soil		31	0.76	194	0.129	<20	2.04	0.008	0.31	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
L8+00N 00+50W	Soil		33	0.82	166	0.121	<20	1.79	0.009	0.33	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
L8+00N 01+00W	Soil		30	0.71	181	0.116	<20	1.84	0.010	0.18	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
L8+00N 01+50W	Soil		38	0.77	151	0.132	<20	1.65	0.009	0.20	<0.1	<0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
L8+00N 02+00W	Soil		42	0.81	122	0.119	<20	1.87	0.009	0.26	<0.1	<0.01	4.0	<0.1	<0.05	6	<0.5	<0.2
L8+00N 02+50W	Soil		78	1.28	95	0.111	<20	1.99	0.005	0.23	<0.1	0.01	5.9	<0.1	<0.05	5	<0.5	<0.2
L8+00N 03+00W	Soil		94	1.60	144	0.193	<20	2.72	0.007	0.52	<0.1	0.01	6.5	0.2	<0.05	8	<0.5	<0.2
L8+00N 03+50W	Soil		62	0.87	156	0.127	<20	2.18	0.008	0.28	<0.1	0.01	4.1	0.1	<0.05	6	<0.5	<0.2
L8+00N 04+00W	Soil		85	1.57	321	0.162	<20	2.65	0.014	0.42	0.2	0.03	9.4	0.2	<0.05	7	<0.5	<0.2
L8+00N 04+50W	Soil		50	1.31	138	0.137	<20	1.92	0.010	0.37	<0.1	0.05	5.5	<0.1	<0.05	5	<0.5	<0.2
L8+00N 05+00W	Soil		30	0.61	195	0.094	<20	1.57	0.008	0.17	<0.1	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
L8+00N 05+50W	Soil		28	0.65	170	0.107	<20	1.96	0.009	0.16	<0.1	<0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
L8+00N 06+00W	Soil		22	0.47	142	0.094	<20	1.55	0.009	0.13	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
L8+00N 06+50W	Soil		29	0.63	184	0.103	<20	1.87	0.006	0.10	<0.1	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
L8+00N 07+00W	Soil		41	1.12	71	0.146	<20	1.69	0.006	0.25	<0.1	0.01	4.5	<0.1	<0.05	5	<0.5	<0.2
L8+00N 07+50W	Soil		24	0.47	155	0.095	<20	1.95	0.010	0.13	<0.1	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
L8+00N 08+00W	Soil		25	0.51	143	0.097	<20	1.66	0.010	0.13	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
L8+00N 08+50W	Soil		37	0.82	144	0.163	<20	2.07	0.010	0.24	<0.1	0.01	4.7	<0.1	<0.05	5	<0.5	<0.2
L8+00N 09+00W	Soil		30	0.61	188	0.096	<20	1.82	0.010	0.10	0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
L8+00N 09+50W	Soil		36	0.84	87	0.128	<20	1.47	0.006	0.20	<0.1	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
L8+00N 10+00W	Soil		19	0.35	178	0.072	<20	1.58	0.010	0.08	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
L8+00N 10+50W	Soil		13	0.17	97	0.067	<20	1.10	0.011	0.04	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
L8+00N 12+50W	Soil		32	0.60	137	0.100	<20	1.80	0.008	0.12	0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
L8+00N 13+00W	Soil		49	0.97	71	0.114	<20	1.57	0.004	0.19	<0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2

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Method		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L8+00N 13+50W	Soil	0.3	44.0	3.5	41	0.2	23.0	13.3	245	2.75	3.6	2.3	0.9	25	<0.1	0.1	<0.1	66	0.31	0.138	3
L8+00N 14+00W	Soil	0.3	45.2	2.9	29	<0.1	15.0	11.7	216	2.33	2.2	1.0	0.5	25	<0.1	0.1	<0.1	56	0.31	0.148	2
L8+00N 14+50W	Soil	0.4	18.8	3.7	30	0.2	10.4	7.1	536	1.65	1.4	0.9	0.8	16	<0.1	<0.1	0.1	34	0.16	0.193	3
L8+00N 15+00W	Soil	0.4	32.4	4.0	46	0.2	17.9	10.4	455	2.08	2.2	0.5	1.2	20	<0.1	<0.1	<0.1	42	0.24	0.227	4
L8+00N 15+50W	Soil	0.4	43.1	3.6	39	0.1	18.2	12.0	378	2.57	2.9	7.7	1.0	25	<0.1	0.2	<0.1	62	0.33	0.185	3
L8+00N 16+00W	Soil	0.4	35.1	3.8	46	0.2	17.1	11.3	296	2.28	2.2	0.7	1.1	24	<0.1	0.1	<0.1	52	0.31	0.195	4
L8+00N 16+50W	Soil	0.3	19.4	3.4	28	0.1	10.1	7.9	282	1.86	1.3	0.9	0.6	20	<0.1	<0.1	<0.1	44	0.21	0.106	3
L8+00N 17+00W	Soil	0.6	21.9	3.5	26	<0.1	13.0	9.2	240	2.00	2.1	0.7	0.7	23	<0.1	0.1	<0.1	45	0.23	0.129	2
L8+00N 17+50W	Soil	0.2	88.6	1.7	38	<0.1	15.8	13.3	328	2.20	1.5	3.4	0.4	41	<0.1	0.1	<0.1	62	0.82	0.102	3
L8+00N 18+00W	Soil	1.0	29.0	5.2	18	<0.1	6.8	6.8	729	1.11	1.5	1.6	0.1	55	0.1	0.2	<0.1	24	1.16	0.083	1
L8+00N 18+50W	Soil	0.2	36.9	2.4	35	0.1	11.0	11.2	378	2.27	2.5	1.2	0.5	41	<0.1	0.1	<0.1	57	0.63	0.111	3
L8+00N 19+00W	Soil	0.4	55.4	3.2	58	0.1	15.9	15.4	666	2.36	2.2	1.6	0.6	25	<0.1	<0.1	<0.1	55	0.29	0.111	3
L8+00N 19+50W	Soil	0.2	47.7	2.8	34	<0.1	13.4	12.4	263	2.52	2.6	1.0	0.7	37	<0.1	0.2	<0.1	64	0.40	0.076	3
L8+00N 20+00W	Soil	0.2	33.3	2.3	26	<0.1	11.3	11.0	215	2.33	1.9	1.6	0.5	39	<0.1	0.2	<0.1	61	0.44	0.112	3
L8+00N 20+50W	Soil	0.5	29.6	4.0	53	<0.1	12.6	9.8	908	1.93	1.9	0.8	0.7	18	<0.1	<0.1	0.1	44	0.19	0.106	3
L8+00N 21+00W	Soil	0.4	14.8	4.7	67	<0.1	10.1	8.5	1552	1.75	1.5	0.5	0.5	17	<0.1	<0.1	0.1	44	0.20	0.077	2
L8+00N 21+50W	Soil	0.4	29.9	4.2	57	<0.1	10.9	9.2	736	1.79	1.2	7.7	0.5	20	<0.1	0.1	<0.1	40	0.28	0.158	2
L8+00N 22+00W	Soil	0.4	78.7	3.7	51	0.1	14.6	13.9	596	2.42	2.7	1.0	0.8	34	<0.1	0.2	<0.1	60	0.43	0.143	4
L8+00N 22+50W	Soil	0.6	30.3	4.4	47	0.1	10.6	8.7	549	1.75	1.7	<0.5	1.1	19	<0.1	<0.1	<0.1	36	0.24	0.261	4
L8+00N 23+00W	Soil	0.3	33.1	2.5	23	<0.1	10.6	11.9	278	2.39	2.0	1.6	0.6	28	<0.1	0.1	<0.1	57	0.28	0.039	3
L8+00N 23+50W	Soil	1.3	41.6	1.7	4	<0.1	3.5	0.3	52	0.03	<0.5	1.3	<0.1	111	0.2	0.3	<0.1	7	3.07	0.061	<1
L8+00N 24+00W	Soil	0.4	39.2	3.0	25	0.1	10.8	8.2	428	1.95	1.8	114.0	0.5	31	<0.1	0.1	<0.1	48	0.39	0.052	4
L8+00N 24+50W	Soil	0.5	119.4	4.9	30	0.3	22.4	12.2	911	2.95	4.3	2.3	0.9	49	0.1	0.2	0.1	78	0.68	0.038	4
L8+00N 25+00W	Soil	0.4	104.7	4.6	24	0.2	18.4	11.3	683	2.55	3.4	2.4	1.0	44	<0.1	0.2	<0.1	63	0.59	0.030	7
L8+00N 25+50W	Soil	0.5	66.9	4.7	26	0.2	14.7	10.6	961	2.28	3.3	2.6	0.9	40	0.1	0.2	0.1	57	0.54	0.026	5
L8+00N 26+00W	Soil	0.3	35.9	2.7	26	<0.1	10.3	10.4	186	2.26	1.9	8.8	0.6	42	<0.1	0.2	<0.1	52	0.44	0.145	3
L8+00N 26+50W	Soil	0.3	45.5	3.6	29	0.1	12.2	10.1	309	2.40	2.0	2.1	0.7	47	<0.1	0.2	<0.1	59	0.46	0.044	5
L8+00N 27+00W	Soil	0.3	38.5	3.4	33	0.1	12.2	10.1	384	2.26	2.4	3.8	0.6	39	<0.1	0.2	<0.1	52	0.39	0.092	4
L8+00N 27+50W	Soil	0.5	24.1	3.4	27	<0.1	9.4	8.9	434	1.98	1.6	3.1	0.3	37	<0.1	0.2	0.1	48	0.44	0.058	3
L8+00N 28+00W	Soil	0.4	36.1	3.1	31	<0.1	12.3	10.0	319	2.19	2.1	1.9	0.4	39	<0.1	0.1	<0.1	49	0.43	0.125	4

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		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L8+00N 13+50W	Soil		50	0.79	115	0.111	<20	2.04	0.009	0.13	0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
L8+00N 14+00W	Soil		34	0.66	89	0.097	<20	1.61	0.008	0.08	<0.1	0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
L8+00N 14+50W	Soil		21	0.27	152	0.077	<20	1.40	0.010	0.06	<0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
L8+00N 15+00W	Soil		27	0.44	128	0.090	<20	2.12	0.012	0.06	<0.1	0.04	3.2	<0.1	<0.05	5	<0.5	<0.2
L8+00N 15+50W	Soil		35	0.61	93	0.102	<20	1.70	0.008	0.10	<0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
L8+00N 16+00W	Soil		30	0.52	136	0.100	<20	1.89	0.012	0.08	0.1	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
L8+00N 16+50W	Soil		22	0.32	106	0.091	<20	1.20	0.009	0.06	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
L8+00N 17+00W	Soil		27	0.40	95	0.088	<20	1.36	0.009	0.06	<0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
L8+00N 17+50W	Soil		39	1.18	128	0.095	<20	1.66	0.009	0.13	<0.1	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
L8+00N 18+00W	Soil		14	0.38	174	0.040	<20	0.68	0.008	0.07	<0.1	0.21	1.2	<0.1	0.08	2	<0.5	<0.2
L8+00N 18+50W	Soil		24	0.56	88	0.097	<20	1.24	0.010	0.09	0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
L8+00N 19+00W	Soil		24	0.69	121	0.105	<20	1.84	0.011	0.07	0.1	0.03	2.4	<0.1	<0.05	5	<0.5	<0.2
L8+00N 19+50W	Soil		27	0.66	125	0.121	<20	1.47	0.010	0.07	<0.1	0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
L8+00N 20+00W	Soil		26	0.55	80	0.104	<20	1.18	0.008	0.07	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
L8+00N 20+50W	Soil		18	0.40	109	0.098	<20	2.03	0.016	0.04	0.1	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2
L8+00N 21+00W	Soil		15	0.28	117	0.095	<20	1.31	0.011	0.06	<0.1	0.03	1.5	<0.1	<0.05	5	<0.5	<0.2
L8+00N 21+50W	Soil		15	0.41	134	0.086	<20	1.70	0.014	0.06	0.1	0.03	1.7	<0.1	<0.05	6	<0.5	<0.2
L8+00N 22+00W	Soil		27	0.69	114	0.111	<20	1.79	0.010	0.12	0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
L8+00N 22+50W	Soil		16	0.33	135	0.089	<20	1.97	0.012	0.09	<0.1	0.03	2.5	<0.1	<0.05	5	<0.5	<0.2
L8+00N 23+00W	Soil		25	0.52	86	0.109	<20	1.23	0.009	0.15	<0.1	<0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
L8+00N 23+50W	Soil		2	0.27	101	0.001	<20	0.03	0.009	0.03	<0.1	0.12	0.2	<0.1	0.16	<1	<0.5	<0.2
L8+00N 24+00W	Soil		20	0.39	110	0.092	<20	1.29	0.011	0.10	<0.1	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2
L8+00N 24+50W	Soil		34	0.68	164	0.116	<20	2.43	0.019	0.11	<0.1	0.21	6.7	<0.1	<0.05	6	<0.5	<0.2
L8+00N 25+00W	Soil		27	0.55	154	0.117	<20	2.15	0.020	0.10	<0.1	0.04	5.3	<0.1	<0.05	6	<0.5	<0.2
L8+00N 25+50W	Soil		24	0.49	159	0.111	<20	2.11	0.019	0.09	0.1	0.02	4.7	<0.1	<0.05	6	<0.5	<0.2
L8+00N 26+00W	Soil		23	0.52	152	0.087	<20	1.27	0.010	0.07	<0.1	0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
L8+00N 26+50W	Soil		27	0.62	153	0.109	<20	1.77	0.014	0.14	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
L8+00N 27+00W	Soil		26	0.55	160	0.095	<20	1.59	0.010	0.09	0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
L8+00N 27+50W	Soil		23	0.54	97	0.092	<20	1.30	0.010	0.09	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
L8+00N 28+00W	Soil		25	0.57	158	0.083	<20	1.56	0.008	0.13	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2

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Project: MELBA
Report Date: June 16, 2017

CERTIFICATE OF ANALYSIS VAN17001059.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L8+00S 00+00W	Soil		1.4	30.2	8.3	76	0.2	19.1	13.4	852	2.50	1.8	42.8	1.2	69	0.2	<0.1	0.1	52	0.42	0.084	5
L8+00S 00+50W	Soil		1.1	60.4	4.5	55	<0.1	22.1	15.8	787	2.96	1.9	1.3	1.7	37	0.2	0.1	<0.1	71	0.53	0.071	6
L8+00S 01+00W	Soil		1.0	32.8	7.6	83	0.3	20.0	12.2	750	2.77	2.5	1.2	1.6	29	0.3	0.1	0.2	63	0.37	0.090	7
L8+00S 01+50W	Soil		0.7	26.1	5.4	63	0.1	15.4	11.9	792	2.89	2.0	<0.5	1.3	28	0.1	0.1	<0.1	62	0.37	0.053	7
L8+00S 02+00W	Soil		1.2	31.7	4.4	64	<0.1	18.5	14.2	633	3.33	2.1	<0.5	1.3	25	<0.1	0.1	<0.1	71	0.38	0.064	5
L8+00S 02+50W	Soil		0.9	40.6	4.8	67	0.3	22.1	13.6	403	3.28	2.6	4.8	1.6	26	<0.1	0.1	<0.1	68	0.38	0.127	7
L8+00S 03+00W	Soil		1.0	38.9	3.7	66	0.1	23.2	14.9	534	3.32	3.3	<0.5	1.4	25	<0.1	0.1	<0.1	72	0.29	0.108	7
L8+00S 03+50W	Soil		1.1	28.7	4.2	65	0.2	16.7	12.3	576	2.95	2.5	<0.5	1.2	21	<0.1	0.1	<0.1	59	0.30	0.106	5
L8+00S 04+00W	Soil		0.7	35.4	4.7	84	0.2	18.9	13.2	894	3.04	3.1	<0.5	1.2	25	0.1	0.1	<0.1	59	0.35	0.133	7
L8+00S 04+50W	Soil		0.6	31.9	4.5	67	0.2	16.9	12.8	479	2.79	2.8	0.6	0.9	25	<0.1	0.1	<0.1	62	0.31	0.106	4
L8+00S 05+00W	Soil		0.7	34.9	5.2	68	0.1	18.9	13.8	886	2.94	3.8	<0.5	1.0	26	0.1	0.1	<0.1	64	0.34	0.109	6
L8+00S 05+50W	Soil		0.8	32.0	3.3	88	0.1	16.1	14.0	927	3.52	3.1	<0.5	1.1	24	<0.1	<0.1	<0.1	70	0.34	0.130	6
L8+00S 06+00W	Soil		0.5	28.1	3.5	52	<0.1	17.5	13.5	382	3.03	4.1	<0.5	0.9	24	<0.1	0.1	<0.1	74	0.29	0.094	4
L8+00S 06+50W	Soil		0.5	56.2	2.4	76	0.1	28.1	20.4	644	4.16	2.5	1.8	0.9	31	<0.1	0.1	<0.1	90	0.38	0.134	5
L8+00S 09+50W	Soil		0.4	35.7	3.3	30	<0.1	16.5	13.0	627	2.46	1.7	<0.5	0.5	48	<0.1	0.1	<0.1	60	0.56	0.051	4
L8+00S 10+00W	Soil		0.4	27.2	3.3	35	0.1	17.5	12.3	427	2.56	2.8	4.6	0.6	27	<0.1	0.1	<0.1	65	0.34	0.080	3
L8+00S 10+50W	Soil		0.5	22.6	3.8	31	<0.1	16.9	11.6	503	2.61	2.5	<0.5	0.5	23	<0.1	0.1	<0.1	61	0.24	0.120	3
L8+00S 11+00W	Soil		0.4	18.6	3.4	24	<0.1	14.5	11.0	232	2.30	2.8	106.4	0.3	27	<0.1	0.1	<0.1	60	0.27	0.047	3
L8+00S 11+50W	Soil		0.4	30.0	3.9	43	0.2	18.7	11.6	393	2.57	3.0	6.3	0.9	22	<0.1	0.1	<0.1	64	0.26	0.118	3
L8+00S 12+00W	Soil		0.4	26.0	3.6	43	<0.1	16.5	11.1	502	2.50	2.1	2.3	1.0	28	<0.1	0.1	<0.1	63	0.38	0.068	4
L8+00S 12+50W	Soil		0.5	27.3	3.5	38	0.3	16.3	11.6	735	2.58	2.4	706.5	0.9	31	<0.1	0.2	<0.1	63	0.43	0.052	4
L8+00S 13+00W	Soil		0.5	40.1	3.4	42	<0.1	17.7	12.2	328	2.74	3.2	1.2	1.1	32	<0.1	0.1	<0.1	71	0.39	0.126	4
L8+00S 13+50W	Soil		0.3	34.2	3.6	41	<0.1	15.1	10.4	404	2.28	2.2	<0.5	1.2	32	<0.1	0.1	<0.1	54	0.37	0.120	5
L8+00S 14+00W	Soil		0.7	27.8	3.6	37	<0.1	14.2	10.1	313	2.26	1.9	<0.5	0.9	27	<0.1	<0.1	<0.1	54	0.32	0.096	3
L8+00S 14+50W	Soil		0.4	29.8	3.5	36	<0.1	14.4	10.4	340	2.24	1.9	<0.5	1.1	27	<0.1	0.1	0.1	53	0.31	0.132	4
L8+00S 15+00W	Soil		0.5	30.6	3.1	36	<0.1	14.5	10.4	507	2.29	2.0	2.0	0.9	31	<0.1	0.1	<0.1	56	0.36	0.108	4
L8+00S 15+50W	Soil		0.4	37.7	3.1	39	0.2	14.1	10.3	360	2.08	2.2	<0.5	1.1	26	<0.1	0.1	0.1	48	0.33	0.169	5
L8+00S 16+00W	Soil		0.4	32.2	3.4	35	0.1	16.1	10.7	293	2.45	2.1	<0.5	0.9	24	<0.1	0.1	0.1	58	0.29	0.111	3
L8+00S 16+50W	Soil		0.4	145.3	2.5	25	0.3	15.3	7.1	555	1.52	2.8	8.2	0.2	112	<0.1	0.2	<0.1	39	2.92	0.165	5
L8+00S 17+00W	Soil		0.3	24.6	2.8	28	0.1	11.2	9.6	317	2.12	1.1	<0.5	0.7	30	<0.1	0.1	<0.1	52	0.38	0.089	3

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Project: MELBA
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		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L8+00S 00+00W	Soil		25	0.79	222	0.114	<20	1.88	0.011	0.36	7.0	0.02	3.6	0.1	<0.05	5	0.5	<0.2
L8+00S 00+50W	Soil		33	1.11	178	0.120	<20	1.85	0.008	0.58	0.5	0.02	4.9	0.2	<0.05	5	0.6	<0.2
L8+00S 01+00W	Soil		39	0.90	236	0.125	<20	2.07	0.008	0.56	<0.1	0.02	4.3	0.2	<0.05	5	<0.5	<0.2
L8+00S 01+50W	Soil		28	0.90	232	0.119	<20	1.80	0.006	0.59	0.1	0.02	3.4	0.1	<0.05	5	<0.5	<0.2
L8+00S 02+00W	Soil		38	1.17	248	0.138	<20	2.13	0.005	0.86	<0.1	0.01	3.6	0.2	<0.05	5	<0.5	<0.2
L8+00S 02+50W	Soil		36	1.05	242	0.140	<20	2.28	0.007	0.69	<0.1	0.02	4.0	0.2	<0.05	6	<0.5	<0.2
L8+00S 03+00W	Soil		45	1.07	237	0.138	<20	2.18	0.009	0.67	<0.1	<0.01	4.2	0.1	<0.05	6	<0.5	<0.2
L8+00S 03+50W	Soil		31	0.90	221	0.117	<20	1.93	0.007	0.53	0.1	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
L8+00S 04+00W	Soil		33	0.91	263	0.112	<20	2.17	0.009	0.42	<0.1	0.02	3.7	0.1	<0.05	6	<0.5	<0.2
L8+00S 04+50W	Soil		30	0.87	176	0.111	<20	1.85	0.008	0.38	<0.1	0.01	3.2	<0.1	<0.05	5	<0.5	<0.2
L8+00S 05+00W	Soil		33	0.90	234	0.099	<20	2.03	0.009	0.39	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
L8+00S 05+50W	Soil		25	1.12	281	0.137	<20	2.45	0.008	0.72	<0.1	0.01	3.5	0.1	<0.05	7	0.5	<0.2
L8+00S 06+00W	Soil		36	0.96	136	0.106	<20	1.76	0.008	0.32	<0.1	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
L8+00S 06+50W	Soil		50	1.44	344	0.139	<20	2.54	0.009	0.67	<0.1	0.01	5.5	0.1	<0.05	6	<0.5	<0.2
L8+00S 09+50W	Soil		39	0.77	113	0.091	<20	1.42	0.013	0.40	<0.1	0.03	4.8	<0.1	<0.05	4	<0.5	<0.2
L8+00S 10+00W	Soil		43	0.74	121	0.098	<20	1.56	0.010	0.17	<0.1	0.02	4.3	<0.1	<0.05	4	<0.5	<0.2
L8+00S 10+50W	Soil		43	0.65	135	0.085	<20	1.82	0.009	0.12	<0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
L8+00S 11+00W	Soil		42	0.59	114	0.076	<20	1.43	0.010	0.09	0.2	0.01	3.9	<0.1	<0.05	4	<0.5	<0.2
L8+00S 11+50W	Soil		47	0.66	176	0.091	<20	1.80	0.009	0.11	<0.1	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
L8+00S 12+00W	Soil		46	0.67	137	0.103	<20	1.59	0.009	0.24	<0.1	0.02	4.8	<0.1	<0.05	4	<0.5	<0.2
L8+00S 12+50W	Soil		43	0.67	149	0.099	<20	1.49	0.008	0.22	<0.1	0.05	5.4	<0.1	<0.05	4	<0.5	<0.2
L8+00S 13+00W	Soil		41	0.78	147	0.107	<20	1.79	0.008	0.26	0.1	0.02	5.2	<0.1	<0.05	5	<0.5	<0.2
L8+00S 13+50W	Soil		31	0.60	164	0.099	<20	1.72	0.010	0.19	0.1	<0.01	4.4	<0.1	<0.05	5	<0.5	<0.2
L8+00S 14+00W	Soil		30	0.61	169	0.093	<20	1.65	0.008	0.12	0.1	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
L8+00S 14+50W	Soil		29	0.57	157	0.086	<20	1.54	0.009	0.14	<0.1	0.01	3.8	<0.1	<0.05	4	<0.5	<0.2
L8+00S 15+00W	Soil		29	0.56	150	0.091	<20	1.41	0.008	0.14	0.1	0.01	3.6	<0.1	<0.05	4	<0.5	<0.2
L8+00S 15+50W	Soil		26	0.54	192	0.084	<20	1.67	0.010	0.12	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
L8+00S 16+00W	Soil		30	0.61	142	0.103	<20	1.63	0.009	0.14	0.4	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
L8+00S 16+50W	Soil		21	0.59	227	0.043	<20	1.11	0.021	0.17	0.2	0.05	1.8	<0.1	0.06	3	1.0	<0.2
L8+00S 17+00W	Soil		23	0.50	109	0.087	<20	1.32	0.008	0.15	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2

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	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L8+00S 17+50W	Soil	0.5	62.7	4.5	29	0.2	13.0	10.0	965	1.85	2.5	<0.5	0.5	50	0.1	0.2	<0.1	42	0.81	0.047	5
L8+00S 18+00W	Soil	0.2	26.4	3.0	28	<0.1	11.7	9.7	214	2.15	1.7	0.5	0.8	32	<0.1	0.2	0.1	54	0.40	0.068	3
L8+00S 18+50W	Soil	0.3	22.4	3.1	25	<0.1	9.8	8.6	364	2.01	1.2	<0.5	0.6	32	<0.1	0.1	<0.1	49	0.35	0.043	3
L8+00S 19+00W	Soil	0.2	33.7	3.6	33	0.1	12.6	9.4	388	2.13	1.9	<0.5	0.8	33	<0.1	0.1	<0.1	49	0.38	0.063	5
L8+00S 19+50W	Soil	0.3	34.4	3.2	29	0.1	11.6	8.9	251	2.08	1.7	1.1	1.1	37	<0.1	0.1	<0.1	48	0.41	0.079	5
L8+00S 20+00W	Soil	0.3	35.3	6.4	31	0.1	13.1	9.7	425	2.20	1.4	<0.5	1.1	35	<0.1	0.1	<0.1	52	0.42	0.049	6
L8+00S 20+50W	Soil	0.4	33.4	3.4	34	0.1	13.8	10.0	368	2.33	1.5	0.9	0.9	35	<0.1	0.2	0.1	58	0.39	0.102	4
L8+00S 21+00W	Soil	0.3	52.2	3.7	36	<0.1	15.4	11.2	429	2.73	2.1	1.3	1.3	55	<0.1	0.2	0.1	71	0.67	0.036	7
L8+00S 21+50W	Soil	0.5	28.5	3.8	33	<0.1	12.9	10.2	280	2.31	1.6	1.5	0.9	34	<0.1	0.1	0.1	55	0.37	0.110	4
L8+00S 22+00W	Soil	0.4	40.7	3.0	33	<0.1	15.4	10.5	363	2.46	2.3	12.4	0.8	40	<0.1	0.2	<0.1	65	0.51	0.124	4
L8+00S 22+50W	Soil	0.5	35.5	3.5	42	0.1	14.7	10.3	412	2.58	2.7	10.2	0.9	37	<0.1	0.2	0.1	66	0.43	0.110	4
L8+00S 23+00W	Soil	0.7	43.9	3.0	49	<0.1	14.2	14.0	708	2.69	2.3	7.9	0.4	37	<0.1	0.2	<0.1	67	0.46	0.147	4
L8+00S 23+50W	Soil	0.5	64.4	2.8	50	<0.1	17.0	15.1	609	3.01	3.1	2.9	0.6	39	<0.1	0.3	0.1	78	0.52	0.135	4
L8+00S 24+00W	Soil	0.4	30.0	3.4	35	0.1	12.3	9.7	474	2.27	1.4	4.3	0.8	33	<0.1	0.2	0.1	58	0.38	0.079	4
L8+00S 24+50W	Soil	0.4	29.2	3.5	40	<0.1	13.5	9.2	317	2.35	1.6	2.1	0.8	31	<0.1	0.2	<0.1	58	0.37	0.095	3
L8+00S 25+00W	Soil	0.4	36.9	3.5	41	<0.1	14.7	9.9	286	2.51	1.6	7.8	0.9	31	<0.1	0.2	0.1	59	0.38	0.090	3
L8+00S 25+50W	Soil	0.5	28.3	3.6	39	<0.1	13.2	10.0	484	2.39	1.6	2.4	0.8	34	<0.1	0.2	0.1	60	0.43	0.090	4
L8+00S 26+00W	Soil	0.4	31.0	3.0	33	<0.1	12.0	9.3	414	2.48	1.7	2.2	0.9	42	<0.1	0.3	0.1	67	0.47	0.095	5
L8+00S 26+50W	Soil	0.4	41.9	3.2	36	0.1	15.0	10.3	290	2.65	2.1	104.8	1.1	45	<0.1	0.3	0.1	73	0.48	0.081	5
L8+00S 27+00W	Soil	0.4	24.0	4.0	35	<0.1	11.4	9.1	262	2.31	1.2	1.3	0.9	34	<0.1	0.2	0.1	61	0.39	0.055	3
L8+00S 27+50W	Soil	0.2	30.0	3.7	33	<0.1	12.0	8.1	252	2.17	1.9	9.7	0.7	31	<0.1	0.2	0.1	54	0.35	0.067	3
L8+00S 28+00W	Soil	0.3	25.3	3.7	40	<0.1	12.2	9.3	446	2.32	2.0	0.9	0.7	32	<0.1	0.2	0.1	56	0.35	0.088	3
L10+00S 09+50W	Soil	0.3	30.5	4.0	39	<0.1	18.4	12.7	603	2.54	3.0	3.5	0.7	33	<0.1	0.2	0.1	65	0.55	0.087	3
L10+00S 10+00W	Soil	0.4	23.7	3.7	44	<0.1	16.0	13.4	726	2.52	1.8	<0.5	0.6	21	<0.1	0.1	0.1	67	0.33	0.115	2
L10+00S 10+50W	Soil	0.3	26.6	2.8	34	<0.1	18.4	12.4	441	2.82	2.0	0.6	0.7	28	<0.1	0.2	1.2	78	0.35	0.060	3
L10+00S 11+00W	Soil	0.4	18.3	3.6	37	0.1	15.9	10.9	402	2.42	1.8	49.3	0.9	26	<0.1	<0.1	0.1	57	0.32	0.134	3
L10+00S 11+50W	Soil	0.4	33.7	3.0	38	0.1	19.3	12.2	395	2.87	2.7	4.7	0.8	36	<0.1	0.2	<0.1	79	0.45	0.082	3
L10+00S 12+00W	Soil	0.4	17.3	3.0	29	<0.1	15.1	9.1	375	2.38	1.5	4.7	0.7	23	<0.1	0.2	<0.1	69	0.28	0.053	3
L10+00S 12+50W	Soil	0.3	29.9	3.1	30	0.1	14.6	10.5	511	2.46	1.6	204.6	0.9	42	<0.1	0.1	0.1	66	0.44	0.044	5
L10+00S 13+00W	Soil	0.5	23.0	3.3	35	<0.1	13.6	9.8	724	2.27	1.4	0.7	0.7	37	<0.1	0.1	<0.1	57	0.41	0.087	4

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Vancouver British Columbia V6N 3T8 Canada

Project: MELBA
Report Date: June 16, 2017

CERTIFICATE OF ANALYSIS VAN17001059.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L8+00S 17+50W	Soil		21	0.55	145	0.072	<20	1.59	0.019	0.15	<0.1	0.04	3.0	<0.1	<0.05	4	<0.5	<0.2
L8+00S 18+00W	Soil		25	0.55	106	0.102	<20	1.33	0.009	0.15	<0.1	<0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
L8+00S 18+50W	Soil		22	0.50	99	0.096	<20	1.32	0.009	0.13	<0.1	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
L8+00S 19+00W	Soil		24	0.53	155	0.093	<20	1.67	0.013	0.14	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
L8+00S 19+50W	Soil		22	0.50	141	0.091	<20	1.60	0.012	0.13	0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
L8+00S 20+00W	Soil		26	0.56	166	0.103	<20	1.65	0.013	0.16	<0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
L8+00S 20+50W	Soil		29	0.54	139	0.109	<20	1.65	0.011	0.16	0.1	<0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
L8+00S 21+00W	Soil		37	0.89	153	0.145	<20	1.87	0.018	0.22	<0.1	0.02	5.2	<0.1	<0.05	5	<0.5	<0.2
L8+00S 21+50W	Soil		29	0.55	137	0.109	<20	1.65	0.011	0.16	0.1	<0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
L8+00S 22+00W	Soil		35	0.72	117	0.118	<20	1.47	0.012	0.15	0.1	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
L8+00S 22+50W	Soil		32	0.62	128	0.121	<20	1.72	0.010	0.14	0.2	<0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
L8+00S 23+00W	Soil		32	0.66	134	0.090	<20	1.56	0.010	0.10	0.1	0.03	3.8	<0.1	<0.05	5	<0.5	<0.2
L8+00S 23+50W	Soil		35	0.87	104	0.103	<20	1.48	0.007	0.14	0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
L8+00S 24+00W	Soil		28	0.52	139	0.112	<20	1.42	0.011	0.16	0.2	<0.01	3.6	<0.1	<0.05	4	<0.5	<0.2
L8+00S 24+50W	Soil		28	0.52	141	0.108	<20	1.62	0.011	0.11	0.2	0.01	3.2	<0.1	<0.05	5	<0.5	<0.2
L8+00S 25+00W	Soil		30	0.65	122	0.110	<20	1.69	0.010	0.14	0.1	0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
L8+00S 25+50W	Soil		29	0.52	150	0.114	<20	1.53	0.010	0.13	0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
L8+00S 26+00W	Soil		30	0.55	123	0.128	<20	1.34	0.012	0.12	0.3	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
L8+00S 26+50W	Soil		34	0.70	132	0.138	<20	1.43	0.013	0.09	0.2	0.02	4.6	<0.1	<0.05	4	<0.5	<0.2
L8+00S 27+00W	Soil		27	0.50	108	0.132	<20	1.37	0.012	0.10	0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
L8+00S 27+50W	Soil		26	0.48	123	0.110	<20	1.48	0.011	0.10	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
L8+00S 28+00W	Soil		26	0.50	126	0.101	<20	1.56	0.013	0.10	0.1	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
L10+00S 09+50W	Soil		46	0.72	129	0.100	<20	1.72	0.012	0.19	<0.1	0.03	4.4	<0.1	<0.05	5	<0.5	<0.2
L10+00S 10+00W	Soil		37	0.59	127	0.084	<20	1.57	0.011	0.09	0.1	0.01	4.5	<0.1	<0.05	5	<0.5	<0.2
L10+00S 10+50W	Soil		53	0.72	97	0.090	<20	1.39	0.010	0.20	0.1	0.02	4.7	<0.1	<0.05	5	<0.5	0.3
L10+00S 11+00W	Soil		38	0.60	131	0.098	<20	1.77	0.012	0.13	0.2	0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
L10+00S 11+50W	Soil		48	0.83	94	0.117	<20	1.45	0.007	0.20	<0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
L10+00S 12+00W	Soil		46	0.48	94	0.107	<20	1.31	0.011	0.11	<0.1	0.01	4.4	<0.1	<0.05	4	<0.5	<0.2
L10+00S 12+50W	Soil		36	0.63	135	0.110	<20	1.45	0.012	0.17	<0.1	0.01	4.4	<0.1	<0.05	4	<0.5	<0.2
L10+00S 13+00W	Soil		33	0.57	125	0.095	<20	1.31	0.011	0.19	<0.1	0.01	3.4	<0.1	<0.05	4	<0.5	<0.2

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Project: MELBA
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		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L10+00S 13+50W	Soil		0.5	24.5	3.4	38	<0.1	14.3	9.2	555	2.23	2.2	2.5	1.0	35	<0.1	0.2	<0.1	52	0.37	0.109	4
L10+00S 14+00W	Soil		0.5	30.9	3.7	43	<0.1	16.8	10.7	473	2.44	2.9	10.5	0.6	33	0.1	0.2	0.1	60	0.41	0.091	4
L10+00S 14+50W	Soil		0.5	24.3	3.6	44	<0.1	14.7	9.1	274	2.33	2.1	<0.5	0.9	24	<0.1	0.2	0.1	55	0.32	0.104	3
L10+00S 15+00W	Soil		0.7	28.5	3.9	43	<0.1	15.8	10.5	497	2.37	2.6	0.9	1.1	36	<0.1	0.1	0.1	57	0.41	0.116	5
L10+00S 15+50W	Soil		0.5	29.7	4.2	39	<0.1	15.2	10.9	730	2.42	1.9	2.3	1.0	37	<0.1	0.2	0.1	58	0.47	0.099	4
L10+00S 16+00W	Soil		0.3	32.4	3.7	40	<0.1	16.4	11.2	394	2.52	2.5	0.6	1.3	38	0.1	0.2	0.1	60	0.38	0.106	4
L10+00S 16+50W	Soil		0.4	26.4	3.1	32	<0.1	12.7	9.9	446	2.30	2.2	1.3	0.8	36	<0.1	0.2	0.1	59	0.41	0.106	4
L10+00S 17+50W	Soil		0.6	17.9	3.8	47	0.2	12.2	8.7	661	2.02	1.1	9.5	0.7	27	<0.1	0.1	0.1	45	0.33	0.151	3
L10+00S 18+00W	Soil		0.2	40.5	2.5	24	<0.1	11.8	9.3	251	2.38	2.0	2.5	0.8	52	<0.1	0.2	<0.1	62	0.71	0.060	5
L10+00S 18+50W	Soil		0.4	85.9	2.1	35	<0.1	17.3	14.0	484	2.83	4.3	13.6	0.8	58	<0.1	0.3	<0.1	80	1.13	0.180	5
L10+00S 19+00W	Soil		0.4	40.0	3.5	34	0.1	13.7	10.7	603	2.38	2.3	1.1	0.9	41	<0.1	0.2	<0.1	56	0.49	0.102	6
L10+00S 19+50W	Soil		0.3	42.9	3.0	37	<0.1	15.3	12.1	587	2.59	2.9	1.4	0.8	37	<0.1	0.2	0.1	60	0.48	0.142	5
L10+00S 20+00W	Soil		0.5	46.7	3.0	35	<0.1	12.8	11.2	576	2.41	2.7	1.8	0.9	37	<0.1	0.2	0.1	64	0.47	0.087	5
L10+00S 20+50W	Soil		0.4	30.7	3.3	50	0.1	13.6	10.5	650	2.35	1.7	<0.5	0.6	33	<0.1	0.2	<0.1	62	0.38	0.113	3
L10+00S 21+00W	Soil		0.4	43.3	3.2	54	0.2	15.4	12.2	485	2.41	2.6	6.7	1.0	31	<0.1	0.2	0.1	61	0.36	0.148	4
L10+00S 21+50W	Soil		0.4	47.8	2.7	36	<0.1	16.3	13.0	283	3.03	2.6	0.7	0.8	36	<0.1	0.3	<0.1	87	0.48	0.103	3
L10+00S 22+00W	Soil		0.5	37.8	3.3	38	<0.1	14.5	11.4	403	2.35	2.1	1.3	0.9	41	<0.1	0.2	0.1	67	0.52	0.065	5
L10+00S 22+50W	Soil		0.3	54.9	2.9	41	<0.1	18.3	14.1	379	3.13	2.5	<0.5	1.0	39	<0.1	0.3	0.1	106	0.50	0.123	5
L10+00S 23+00W	Soil		0.3	44.3	3.8	39	0.1	16.3	12.8	606	2.43	3.5	1.4	1.1	42	<0.1	0.2	0.1	77	0.50	0.058	7
L10+00S 23+50W	Soil		0.5	86.5	2.4	43	0.2	17.4	14.6	886	2.74	4.4	3.7	0.3	73	0.1	0.3	0.1	81	1.49	0.152	5
L10+00S 24+00W	Soil		0.6	35.5	3.4	33	<0.1	13.0	12.5	777	2.59	2.3	2.9	0.8	41	<0.1	0.2	0.1	74	0.48	0.105	5
L10+00S 24+50W	Soil		0.4	31.3	3.1	35	<0.1	12.0	10.4	377	2.38	1.7	1.2	0.8	36	<0.1	0.2	0.1	70	0.42	0.106	4
L10+00S 25+00W	Soil		0.4	38.4	3.5	36	<0.1	13.9	13.0	471	2.57	2.3	1.7	0.8	44	<0.1	0.2	0.1	74	0.57	0.102	5
L10+00S 25+50W	Soil		0.4	32.0	3.4	41	<0.1	14.0	10.2	393	2.43	2.3	<0.5	0.8	36	<0.1	0.2	0.1	73	0.45	0.092	4
L10+00S 26+00W	Soil		0.5	29.0	3.2	36	<0.1	13.4	9.9	460	2.51	2.0	28.2	0.9	35	<0.1	0.3	0.1	85	0.41	0.073	4
L10+00S 26+50W	Soil		0.4	39.4	3.3	36	<0.1	13.5	11.0	481	2.32	2.7	3.0	0.7	35	<0.1	0.2	0.1	69	0.40	0.099	4
L10+00S 27+00W	Soil		0.3	50.5	3.5	43	0.1	14.1	11.1	421	2.53	2.7	1.3	1.1	34	<0.1	0.2	0.1	76	0.44	0.082	5
L10+00S 27+50W	Soil		0.5	39.0	3.5	40	<0.1	13.5	10.3	369	2.34	2.7	6.2	0.8	31	<0.1	0.2	0.1	62	0.42	0.119	4
L10+00S 28+00W	Soil		0.4	44.3	3.4	39	<0.1	13.5	11.0	288	2.50	2.3	<0.5	1.0	34	<0.1	0.2	<0.1	71	0.40	0.089	4
No ID	Soil		0.4	23.6	3.3	54	<0.1	12.6	10.5	641	2.31	1.9	<0.5	0.7	22	<0.1	0.2	<0.1	62	0.27	0.143	3

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		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L10+00S 13+50W	Soil		30	0.48	162	0.094	<20	1.41	0.010	0.19	0.1	0.01	3.7	<0.1	<0.05	4	<0.5	<0.2
L10+00S 14+00W	Soil		35	0.65	178	0.101	<20	1.69	0.011	0.20	0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
L10+00S 14+50W	Soil		30	0.57	128	0.098	<20	1.50	0.008	0.14	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
L10+00S 15+00W	Soil		31	0.56	165	0.101	<20	1.61	0.012	0.15	0.1	0.01	4.1	<0.1	<0.05	5	<0.5	<0.2
L10+00S 15+50W	Soil		31	0.59	184	0.109	<20	1.78	0.013	0.23	0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
L10+00S 16+00W	Soil		32	0.58	167	0.114	<20	1.72	0.013	0.21	0.1	0.01	4.3	<0.1	<0.05	5	<0.5	<0.2
L10+00S 16+50W	Soil		27	0.52	126	0.104	<20	1.41	0.012	0.11	0.1	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
L10+00S 17+50W	Soil		22	0.39	146	0.091	<20	1.66	0.012	0.09	0.1	0.03	2.6	<0.1	<0.05	5	<0.5	<0.2
L10+00S 18+00W	Soil		31	0.59	130	0.100	<20	1.26	0.014	0.13	<0.1	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
L10+00S 18+50W	Soil		36	0.94	65	0.104	<20	1.14	0.011	0.14	0.2	0.03	4.5	<0.1	<0.05	3	<0.5	<0.2
L10+00S 19+00W	Soil		28	0.55	173	0.104	<20	1.59	0.013	0.16	0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
L10+00S 19+50W	Soil		31	0.60	142	0.099	<20	1.51	0.010	0.18	0.1	0.02	4.0	<0.1	<0.05	4	<0.5	<0.2
L10+00S 20+00W	Soil		32	0.69	145	0.107	<20	1.78	0.011	0.19	0.1	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
L10+00S 20+50W	Soil		28	0.54	126	0.097	<20	1.62	0.008	0.11	0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
L10+00S 21+00W	Soil		29	0.60	177	0.104	<20	1.92	0.009	0.11	<0.1	0.01	4.0	<0.1	<0.05	5	<0.5	<0.2
L10+00S 21+50W	Soil		38	0.81	83	0.116	<20	1.79	0.007	0.13	0.1	0.01	4.1	<0.1	0.05	5	<0.5	<0.2
L10+00S 22+00W	Soil		32	0.68	129	0.128	<20	1.69	0.013	0.17	0.2	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
L10+00S 22+50W	Soil		53	1.19	129	0.155	<20	2.05	0.009	0.21	0.2	0.02	7.1	<0.1	<0.05	5	<0.5	<0.2
L10+00S 23+00W	Soil		34	0.59	176	0.119	<20	1.86	0.013	0.15	0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
L10+00S 23+50W	Soil		40	0.87	156	0.064	<20	1.58	0.009	0.12	0.1	0.06	5.2	<0.1	0.07	4	0.8	<0.2
L10+00S 24+00W	Soil		33	0.66	168	0.109	<20	1.83	0.012	0.15	0.1	0.01	4.2	<0.1	<0.05	5	<0.5	<0.2
L10+00S 24+50W	Soil		30	0.64	120	0.103	<20	1.86	0.012	0.14	0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
L10+00S 25+00W	Soil		32	0.62	144	0.105	<20	1.69	0.012	0.22	0.2	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
L10+00S 25+50W	Soil		30	0.58	141	0.114	<20	1.63	0.010	0.13	0.2	0.01	4.8	<0.1	<0.05	5	<0.5	<0.2
L10+00S 26+00W	Soil		35	0.55	137	0.134	<20	1.50	0.011	0.12	0.2	0.01	4.2	<0.1	<0.05	4	<0.5	<0.2
L10+00S 26+50W	Soil		30	0.56	151	0.100	<20	1.47	0.009	0.09	0.2	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
L10+00S 27+00W	Soil		33	0.57	135	0.121	<20	1.71	0.007	0.13	0.1	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2
L10+00S 27+50W	Soil		29	0.60	163	0.100	<20	1.85	0.008	0.17	0.2	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
L10+00S 28+00W	Soil		31	0.61	149	0.113	<20	1.81	0.007	0.11	0.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
No ID	Soil		25	0.48	109	0.090	<20	1.64	0.007	0.06	0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2

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Project: MELBA

Report Date: June 16, 2017

QUALITY CONTROL REPORT VAN17001059.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																						
L4+00N 00+00W	Soil		0.3	34.2	3.7	49	0.2	18.7	12.7	519	2.64	2.8	1.5	1.0	38	<0.1	0.2	<0.1	63	0.34	0.137	5
REP L4+00N 00+00W	QC		0.3	33.7	3.6	49	0.2	18.8	12.7	514	2.62	2.4	1.5	1.1	40	<0.1	0.1	<0.1	64	0.35	0.139	4
L4+00N 18+00W	Soil		0.5	38.4	4.2	49	0.1	14.9	11.0	720	2.33	2.3	1.3	0.9	27	<0.1	0.1	<0.1	56	0.31	0.184	3
REP L4+00N 18+00W	QC		0.5	37.2	4.1	50	0.1	15.2	10.8	723	2.32	2.5	15.3	0.8	27	<0.1	0.1	<0.1	56	0.31	0.173	3
L6+00N 08+00W	Soil		0.5	131.7	3.7	68	0.2	23.9	26.2	922	4.46	3.5	9.7	1.2	47	<0.1	<0.1	<0.1	163	0.79	0.168	6
REP L6+00N 08+00W	QC		0.5	139.4	3.8	68	0.2	24.6	27.1	888	4.59	3.5	3.2	1.2	48	<0.1	<0.1	<0.1	166	0.80	0.174	6
L6+00N 28+50W	Soil		0.5	44.5	3.3	34	<0.1	13.0	10.3	408	2.33	2.0	3.7	0.7	45	<0.1	0.2	<0.1	58	0.51	0.117	5
REP L6+00N 28+50W	QC		0.4	42.6	3.2	34	0.1	12.9	10.3	380	2.19	2.2	4.7	0.7	46	<0.1	0.2	<0.1	55	0.48	0.119	5
L8+00N 17+50W	Soil		0.2	88.6	1.7	38	<0.1	15.8	13.3	328	2.20	1.5	3.4	0.4	41	<0.1	0.1	<0.1	62	0.82	0.102	3
REP L8+00N 17+50W	QC		0.2	90.3	1.7	37	<0.1	15.4	13.2	309	2.11	1.1	14.2	0.4	40	<0.1	0.1	<0.1	59	0.81	0.097	3
L8+00S 15+50W	Soil		0.4	37.7	3.1	39	0.2	14.1	10.3	360	2.08	2.2	<0.5	1.1	26	<0.1	0.1	0.1	48	0.33	0.169	5
REP L8+00S 15+50W	QC		0.5	36.4	3.6	41	0.2	14.5	9.9	359	2.11	2.2	2.4	1.0	29	<0.1	0.1	0.1	49	0.34	0.174	5
L10+00S 14+50W	Soil		0.5	24.3	3.6	44	<0.1	14.7	9.1	274	2.33	2.1	<0.5	0.9	24	<0.1	0.2	0.1	55	0.32	0.104	3
REP L10+00S 14+50W	QC		0.5	26.1	3.7	45	<0.1	14.4	9.7	267	2.31	2.4	0.7	0.9	26	<0.1	0.1	0.1	58	0.33	0.107	3
L10+00S 26+50W	Soil		0.4	39.4	3.3	36	<0.1	13.5	11.0	481	2.32	2.7	3.0	0.7	35	<0.1	0.2	0.1	69	0.40	0.099	4
REP L10+00S 26+50W	QC		0.4	37.0	3.4	38	<0.1	13.3	11.2	429	2.39	3.0	1.2	0.7	34	<0.1	0.2	0.1	65	0.41	0.102	4
Reference Materials																						
STD DS10	Standard		14.5	160.4	156.4	371	2.0	73.0	12.7	896	2.80	46.7	190.4	8.5	70	2.7	10.0	12.8	46	1.08	0.076	19
STD DS10	Standard		14.2	161.6	141.4	355	1.8	73.1	14.0	965	2.95	47.3	113.1	7.2	68	2.8	8.2	11.7	51	1.01	0.083	17
STD DS10	Standard		13.2	151.2	151.4	359	2.4	72.8	12.0	883	2.63	44.2	58.9	7.4	69	2.7	8.5	12.2	41	1.05	0.073	17
STD DS10	Standard		12.8	147.2	151.7	361	2.0	71.9	13.0	889	2.70	45.8	77.8	7.4	71	2.5	8.1	12.5	43	1.06	0.075	17
STD DS10	Standard		13.9	152.2	151.0	366	2.1	72.7	13.0	895	2.78	44.1	241.9	7.6	71	2.5	7.9	12.8	46	1.07	0.076	18
STD DS10	Standard		15.0	165.4	155.1	372	2.0	78.0	12.9	935	2.83	48.1	66.6	7.8	69	2.7	7.7	12.2	47	1.07	0.075	19
STD DS10	Standard		14.4	145.3	145.2	343	1.7	71.6	12.4	841	2.56	42.3	75.0	7.8	66	2.6	7.7	12.5	44	1.00	0.077	18
STD DS10	Standard		12.8	143.8	146.2	346	1.8	69.9	11.9	788	2.55	43.2	61.3	7.1	61	2.6	7.3	11.4	40	0.97	0.072	16
STD OREAS45EA	Standard		1.6	727.6	15.1	36	0.3	415.6	56.2	434	26.53	11.9	52.6	11.5	4	<0.1	0.2	0.3	269	0.04	0.029	8
STD OREAS45EA	Standard		1.5	652.8	13.4	29	0.3	348.7	48.8	367	21.10	10.8	50.7	8.8	4	<0.1	0.3	0.2	268	0.04	0.025	7
STD OREAS45EA	Standard		1.5	666.9	14.0	31	0.2	357.1	49.2	387	22.49	11.1	44.3	10.1	4	<0.1	0.3	0.3	263	0.04	0.029	7

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Project: MELBA
Report Date: June 16, 2017

QUALITY CONTROL REPORT VAN17001059.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
L4+00N 00+00W	Soil		35	0.69	175	0.127	<20	1.89	0.016	0.22	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
REP L4+00N 00+00W	QC		35	0.69	166	0.133	<20	1.86	0.016	0.22	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
L4+00N 18+00W	Soil		30	0.51	107	0.100	<20	1.81	0.009	0.09	0.1	0.03	3.0	<0.1	<0.05	5	<0.5	<0.2
REP L4+00N 18+00W	QC		30	0.52	109	0.101	<20	1.78	0.010	0.09	<0.1	0.03	3.1	<0.1	<0.05	5	<0.5	<0.2
L6+00N 08+00W	Soil		39	1.67	313	0.201	<20	3.17	0.011	0.57	0.1	0.03	8.9	0.1	<0.05	8	<0.5	<0.2
REP L6+00N 08+00W	QC		40	1.75	305	0.199	<20	3.36	0.010	0.61	<0.1	0.03	8.8	0.2	<0.05	8	<0.5	<0.2
L6+00N 28+50W	Soil		29	0.54	159	0.107	<20	1.71	0.010	0.13	<0.1	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
REP L6+00N 28+50W	QC		27	0.54	159	0.103	<20	1.66	0.010	0.13	<0.1	0.03	3.8	<0.1	<0.05	5	<0.5	<0.2
L8+00N 17+50W	Soil		39	1.18	128	0.095	<20	1.66	0.009	0.13	<0.1	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
REP L8+00N 17+50W	QC		38	1.17	130	0.093	<20	1.63	0.009	0.13	<0.1	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
L8+00S 15+50W	Soil		26	0.54	192	0.084	<20	1.67	0.010	0.12	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
REP L8+00S 15+50W	QC		26	0.55	188	0.090	<20	1.66	0.011	0.12	0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
L10+00S 14+50W	Soil		30	0.57	128	0.098	<20	1.50	0.008	0.14	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
REP L10+00S 14+50W	QC		32	0.58	133	0.101	<20	1.61	0.010	0.14	0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
L10+00S 26+50W	Soil		30	0.56	151	0.100	<20	1.47	0.009	0.09	0.2	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
REP L10+00S 26+50W	QC		28	0.56	147	0.103	<20	1.51	0.008	0.09	0.2	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS10	Standard		57	0.82	423	0.091	<20	1.10	0.073	0.35	2.7	0.29	2.9	5.4	0.28	5	2.2	5.2
STD DS10	Standard		63	0.81	429	0.082	<20	1.10	0.064	0.33	3.1	0.35	2.9	5.3	0.29	4	2.2	5.0
STD DS10	Standard		53	0.77	418	0.078	<20	0.97	0.058	0.32	2.7	0.27	2.7	5.3	0.32	4	1.8	5.0
STD DS10	Standard		55	0.77	425	0.082	<20	1.03	0.061	0.32	3.3	0.28	3.0	5.4	0.29	4	1.9	4.9
STD DS10	Standard		55	0.79	430	0.085	<20	1.04	0.058	0.32	3.3	0.28	2.9	5.2	0.29	5	1.8	5.7
STD DS10	Standard		59	0.77	427	0.084	<20	1.04	0.069	0.34	3.0	0.29	3.0	5.4	0.25	5	2.3	5.0
STD DS10	Standard		55	0.77	410	0.080	<20	1.05	0.069	0.32	3.1	0.28	2.9	5.2	0.23	4	1.8	4.9
STD DS10	Standard		48	0.72	384	0.069	<20	0.96	0.062	0.30	2.8	0.27	2.6	5.0	0.25	4	1.8	4.6
STD OREAS45EA	Standard		908	0.11	153	0.111	<20	3.36	0.020	0.06	<0.1	0.01	87.7	<0.1	<0.05	14	1.5	<0.2
STD OREAS45EA	Standard		820	0.08	137	0.085	<20	2.70	0.013	0.05	<0.1	0.01	64.5	<0.1	<0.05	12	0.7	<0.2
STD OREAS45EA	Standard		824	0.09	143	0.097	<20	2.91	0.017	0.05	<0.1	<0.01	74.9	<0.1	<0.05	12	0.9	<0.2

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		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
STD OREAS45EA	Standard	1.5	636.6	13.6	32	0.2	351.3	49.5	390	21.97	10.4	46.9	9.9	4	<0.1	0.3	0.3	265	0.03	0.029	7
STD OREAS45EA	Standard	1.5	654.2	13.7	30	0.3	359.7	49.0	386	22.55	10.6	45.1	9.7	4	<0.1	0.3	0.2	259	0.04	0.030	7
STD OREAS45EA	Standard	1.4	701.8	14.0	30	0.2	371.3	51.0	400	23.65	10.7	54.9	10.1	4	<0.1	0.3	0.3	269	0.03	0.028	7
STD OREAS45EA	Standard	1.5	693.2	13.9	31	0.2	383.0	51.6	390	23.06	11.3	53.3	10.0	4	<0.1	0.3	0.2	272	0.03	0.028	7
STD OREAS45EA	Standard	1.3	629.8	13.3	29	0.2	328.5	48.0	378	22.31	9.3	46.3	9.7	4	<0.1	0.3	0.2	249	0.03	0.026	6
STD DS10 Expected		13.6	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765	17.5
STD OREAS45EA Expected		1.6	709	14.3	31.4	0.26	381	52	400	23.51	10.3	53	10.7	3.5	0.03	0.32	0.26	303	0.036	0.029	7.06
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Max Investment Inc.**
3750 West 49th Ave
Vancouver British Columbia V6N 3T8 Canada

Project: MELBA

Report Date: June 16, 2017

QUALITY CONTROL REPORT VAN17001059.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD OREAS45EA	Standard	812	0.09	146	0.098	<20	2.83	0.017	0.05	<0.1	<0.01	77.3	<0.1	<0.05	12	<0.5	<0.2
STD OREAS45EA	Standard	815	0.09	140	0.098	<20	2.94	0.015	0.05	<0.1	<0.01	77.8	<0.1	<0.05	12	1.1	<0.2
STD OREAS45EA	Standard	825	0.08	137	0.095	<20	2.89	0.015	0.05	<0.1	0.02	78.3	<0.1	<0.05	12	0.9	<0.2
STD OREAS45EA	Standard	848	0.09	142	0.096	<20	2.96	0.016	0.05	<0.1	0.01	76.8	<0.1	<0.05	12	1.4	<0.2
STD OREAS45EA	Standard	761	0.08	142	0.091	<20	2.72	0.017	0.05	<0.1	<0.01	70.9	<0.1	<0.05	12	0.5	<0.2
STD DS10 Expected		54.6	0.775	412	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01
STD OREAS45EA Expected		849	0.095	148	0.0984		3.13	0.02	0.053			78	0.072	0.036	12.4	0.78	0.07
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Max Investment Inc.**
3750 West 49th Ave
Vancouver British Columbia V6N 3T8 Canada

Submitted By: Chris Dyakowski
Receiving Lab: Canada-Vancouver
Received: June 12, 2017
Report Date: June 20, 2017
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN17001137.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 18

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
BAT01	1	Batch charge of <20 samples			VAN
Dry at 60C	18	Dry at 60C			VAN
SS80	18	Dry at 60C sieve 100g to -80 mesh			VAN
AQ200	18	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Max Investment Inc.
3750 West 49th Ave
Vancouver British Columbia V6N 3T8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production Manager

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Max Investment Inc.**
3750 West 49th Ave
Vancouver British Columbia V6N 3T8 Canada

Project: None Given
Report Date: June 20, 2017

CERTIFICATE OF ANALYSIS VAN17001137.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L10+00S 00+00W	Soil	0.4	30.6	4.9	44	<0.1	16.1	11.8	331	2.67	1.8	2.8	2.0	37	<0.1	0.2	<0.1	68	0.39	0.030	6
L10+00S 00+50W	Soil	0.6	25.1	9.8	64	0.2	17.3	12.6	508	2.53	3.0	1.3	1.2	25	0.2	0.1	0.1	53	0.25	0.110	5
L10+00S 01+00W	Soil	0.6	33.3	5.0	52	0.1	17.9	11.9	373	2.78	3.2	3.1	1.3	32	<0.1	0.1	<0.1	60	0.34	0.105	5
L10+00S 01+50W	Soil	0.7	31.6	6.4	64	0.2	18.6	13.9	564	2.99	2.5	1.3	1.4	36	0.2	0.2	0.1	64	0.47	0.087	6
L10+00S 02+00W	Soil	0.8	37.4	6.0	62	0.2	17.2	12.0	605	2.61	3.8	1.4	1.1	38	0.2	0.1	0.1	53	0.49	0.146	7
L10+00S 02+50W	Soil	0.9	41.6	5.6	57	0.1	17.7	12.9	723	2.77	3.4	1.5	1.1	34	0.1	0.2	0.1	60	0.35	0.124	7
L10+00S 03+00W	Soil	0.9	31.2	4.8	64	0.2	17.9	12.4	624	2.74	3.0	1.2	1.4	33	0.1	0.1	0.1	56	0.36	0.159	6
L10+00S 03+50W	Soil	1.4	43.4	4.8	79	0.1	19.3	13.9	971	3.02	2.7	2.1	1.8	45	0.2	0.2	0.1	66	0.61	0.143	10
L10+00S 04+00W	Soil	1.4	39.6	4.0	68	<0.1	18.9	12.9	444	3.20	3.1	0.6	2.3	33	<0.1	0.2	0.1	67	0.35	0.123	8
L10+00S 04+50W	Soil	1.9	39.8	4.2	80	0.2	20.0	13.8	703	3.31	3.0	0.7	1.9	28	0.1	0.2	0.1	66	0.36	0.129	7
L10+00S 05+00W	Soil	0.8	37.6	5.0	88	0.1	19.7	16.0	1150	3.39	2.5	0.9	1.9	37	0.2	0.2	0.1	72	0.54	0.113	11
L10+00S 05+50W	Soil	0.6	27.5	5.0	58	0.2	16.5	11.8	319	2.91	2.4	2.0	2.3	32	0.2	0.2	0.7	64	0.33	0.081	5
L10+00S 06+50W	Soil	0.6	75.1	2.9	81	0.2	29.5	20.3	641	4.37	3.6	3.1	1.3	36	0.1	0.3	<0.1	99	0.52	0.132	10
L10+00S 07+00W	Soil	0.5	58.9	3.4	52	0.2	22.5	17.4	483	3.30	1.9	1.7	1.1	64	<0.1	0.2	<0.1	77	0.78	0.052	8
L10+00S 07+50W	Soil	0.4	29.8	3.0	43	<0.1	19.4	11.7	413	2.70	2.4	1.1	0.8	34	<0.1	0.2	<0.1	69	0.37	0.050	3
L10+00S 08+00W	Soil	0.5	32.9	3.1	50	<0.1	22.2	13.5	479	2.87	2.2	0.9	0.9	31	<0.1	0.2	0.1	69	0.34	0.051	4
L10+00S 08+50W	Soil	0.4	30.5	3.2	38	<0.1	17.6	15.3	297	2.73	1.9	1.2	0.7	39	<0.1	0.1	<0.1	73	0.47	0.039	3
L10+00S 09+00W	Soil	0.4	50.6	3.6	46	0.1	22.7	16.1	496	3.04	3.9	1.5	1.0	34	<0.1	0.2	0.1	76	0.42	0.141	5

BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Max Investment Inc.**
3750 West 49th Ave
Vancouver British Columbia V6N 3T8 Canada

Project: None Given
Report Date: June 20, 2017

CERTIFICATE OF ANALYSIS VAN17001137.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L10+00S 00+00W	Soil		33	0.88	114	0.153	<20	1.77	0.009	0.42	<0.1	0.02	4.3	0.2	<0.05	5	<0.5	<0.2
L10+00S 00+50W	Soil		24	0.77	201	0.118	<20	1.91	0.012	0.33	0.1	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
L10+00S 01+00W	Soil		31	0.83	187	0.120	<20	1.93	0.010	0.40	<0.1	0.02	4.1	0.1	<0.05	5	<0.5	<0.2
L10+00S 01+50W	Soil		35	0.98	197	0.128	<20	1.99	0.011	0.53	<0.1	0.02	4.4	0.1	<0.05	6	<0.5	<0.2
L10+00S 02+00W	Soil		27	0.76	234	0.108	<20	1.97	0.012	0.43	<0.1	0.03	3.7	0.1	<0.05	5	<0.5	<0.2
L10+00S 02+50W	Soil		30	0.84	244	0.112	<20	1.95	0.012	0.40	0.1	0.03	4.1	0.1	<0.05	5	<0.5	<0.2
L10+00S 03+00W	Soil		27	0.81	281	0.116	<20	2.00	0.011	0.48	0.1	0.02	3.9	0.2	<0.05	6	<0.5	<0.2
L10+00S 03+50W	Soil		31	0.98	312	0.124	<20	2.09	0.010	0.68	0.1	0.03	5.1	0.2	<0.05	6	<0.5	<0.2
L10+00S 04+00W	Soil		35	1.00	241	0.134	<20	2.03	0.011	0.68	<0.1	0.01	5.0	0.2	<0.05	6	<0.5	<0.2
L10+00S 04+50W	Soil		30	1.00	316	0.137	<20	2.30	0.010	0.71	0.3	0.02	4.6	0.2	<0.05	6	<0.5	<0.2
L10+00S 05+00W	Soil		32	1.15	419	0.162	<20	2.45	0.010	0.72	0.1	0.02	4.8	0.2	<0.05	7	<0.5	<0.2
L10+00S 05+50W	Soil		31	0.90	160	0.134	<20	1.90	0.009	0.45	<0.1	0.02	3.8	0.1	<0.05	5	<0.5	<0.2
L10+00S 06+50W	Soil		52	1.44	349	0.138	<20	2.54	0.007	0.72	<0.1	0.02	7.6	0.1	<0.05	7	<0.5	<0.2
L10+00S 07+00W	Soil		46	1.06	198	0.133	<20	2.13	0.011	0.35	<0.1	0.03	6.6	<0.1	<0.05	6	<0.5	<0.2
L10+00S 07+50W	Soil		40	0.79	152	0.119	<20	1.59	0.011	0.20	<0.1	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2
L10+00S 08+00W	Soil		43	0.87	127	0.124	<20	1.79	0.011	0.33	<0.1	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
L10+00S 08+50W	Soil		41	0.92	124	0.124	<20	1.64	0.035	0.18	<0.1	0.02	5.3	<0.1	<0.05	5	<0.5	<0.2
L10+00S 09+00W	Soil		46	0.86	186	0.114	<20	2.03	0.014	0.18	<0.1	0.01	6.3	<0.1	<0.05	6	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Max Investment Inc.**
3750 West 49th Ave
Vancouver British Columbia V6N 3T8 Canada

Project: None Given

Report Date: June 20, 2017

QUALITY CONTROL REPORT VAN17001137.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
L10+00S 06+50W	Soil	0.6	75.1	2.9	81	0.2	29.5	20.3	641	4.37	3.6	3.1	1.3	36	0.1	0.3	<0.1	99	0.52	0.132	10
REP L10+00S 06+50W	QC	0.5	76.3	2.9	81	0.2	30.9	21.1	649	4.47	3.9	3.1	1.4	36	0.1	0.3	<0.1	101	0.52	0.136	10
Reference Materials																					
STD DS10	Standard	13.6	156.9	152.1	375	2.1	71.5	12.5	861	2.71	43.6	52.0	7.2	67	2.7	8.4	12.0	42	1.04	0.077	18
STD OREAS45EA	Standard	1.5	613.3	13.6	29	0.2	331.4	46.7	370	21.68	10.9	50.4	9.8	4	<0.1	0.3	0.2	246	0.04	0.026	7
STD DS10 Expected		13.6	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765	17.5
STD OREAS45EA Expected		1.6	709	14.3	31.4	0.26	381	52	400	23.51	10.3	53	10.7	3.5	0.03	0.32	0.26	303	0.036	0.029	7.06
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

BUREAU VERITAS MINERAL LABORATORIES Canada

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PHONE (604) 253-3158

Client: **Max Investment Inc.**
3750 West 49th Ave
Vancouver British Columbia V6N 3T8 Canada

Project: None Given
Report Date: June 20, 2017

QUALITY CONTROL REPORT VAN17001137.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
L10+00S 06+50W	Soil	52	1.44	349	0.138	<20	2.54	0.007	0.72	<0.1	0.02	7.6	0.1	<0.05	7	<0.5	<0.2
REP L10+00S 06+50W	QC	52	1.45	346	0.138	<20	2.54	0.007	0.73	<0.1	0.01	7.7	0.2	<0.05	7	<0.5	<0.2
Reference Materials																	
STD DS10	Standard	53	0.79	406	0.080	<20	1.04	0.072	0.34	2.8	0.28	3.0	5.2	0.25	4	2.0	4.8
STD OREAS45EA	Standard	743	0.09	136	0.091	<20	2.78	0.017	0.05	<0.1	0.01	77.3	<0.1	<0.05	12	0.9	<0.2
STD DS10 Expected		54.6	0.775	412	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01
STD OREAS45EA Expected		849	0.095	148	0.0984		3.13	0.02	0.053			78	0.072	0.036	12.4	0.78	0.07
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Max Investment Inc.**
3750 West 49th Ave
Vancouver British Columbia V6N 3T8 Canada

Submitted By: Chris Dyakowski
Receiving Lab: Canada-Vancouver
Received: June 29, 2017
Report Date: July 18, 2017
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN17001349.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 19

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
BAT01	1	Batch charge of <20 samples			VAN
Dry at 60C	19	Dry at 60C			VAN
SS80	19	Dry at 60C sieve 100g to -80 mesh			VAN
AQ200	19	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Max Investment Inc.
3750 West 49th Ave
Vancouver British Columbia V6N 3T8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production Manager

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Max Investment Inc.**
3750 West 49th Ave
Vancouver British Columbia V6N 3T8 Canada

Project: None Given
Report Date: July 18, 2017

CERTIFICATE OF ANALYSIS VAN17001349.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L1+75S 28+50W	Soil	0.5	38.4	3.1	33	<0.1	14.3	10.7	317	2.49	2.1	2.0	1.0	38	<0.1	0.3	0.1	63	0.42	0.133	4
L2+00 28+25	Soil	0.5	32.8	3.3	32	<0.1	13.4	10.7	435	2.50	1.9	3.3	0.8	42	<0.1	0.2	0.1	70	0.45	0.103	5
L2+00S 28+37.5	Soil	0.4	60.0	3.7	32	0.1	16.8	12.7	555	2.95	3.0	5.9	1.3	54	<0.1	0.3	0.1	80	0.65	0.050	7
L2+00S 28+50W	Soil	0.5	63.6	3.3	39	<0.1	19.3	15.1	454	3.26	4.2	9.7	1.5	56	<0.1	0.4	0.1	91	0.69	0.100	8
L2+00S 28+67.5W	Soil	0.4	51.7	2.8	40	<0.1	17.2	13.0	375	3.02	3.2	3.2	1.3	55	<0.1	0.3	0.1	86	0.64	0.120	6
L2+00S 28+75W	Soil	0.4	54.1	2.7	37	<0.1	17.5	12.6	357	3.06	3.6	13.6	1.2	55	<0.1	0.4	0.1	92	0.66	0.134	7
L2+25S 28+50W	Soil	0.3	51.4	3.1	38	<0.1	17.8	13.4	329	3.06	2.9	13.7	1.3	53	<0.1	0.4	0.1	88	0.64	0.133	6
L3+75N 12+50W	Soil	0.3	26.1	2.7	23	<0.1	12.9	9.8	185	2.17	1.5	4.3	0.6	34	<0.1	0.1	<0.1	58	0.34	0.027	2
L4+00N 12+25W	Soil	0.4	35.9	4.1	39	0.2	15.0	10.7	795	2.30	2.2	9.4	0.9	35	<0.1	0.1	0.1	54	0.38	0.149	3
L4+00N 12+50W	Soil	0.4	28.4	3.4	40	0.1	15.3	10.8	728	2.28	1.9	1.6	0.8	30	<0.1	0.1	0.2	55	0.34	0.124	3
L4+00N 12+75W	Soil	0.4	33.3	3.9	41	0.2	17.3	10.6	509	2.36	1.7	0.8	1.0	29	<0.1	0.1	0.1	56	0.35	0.177	4
L4+25N 12+50W	Soil	0.5	30.8	3.9	42	0.2	16.8	11.1	565	2.27	2.0	1.4	0.8	30	<0.1	0.1	0.1	54	0.35	0.139	3
L7+75S 12+50W	Soil	0.4	33.6	3.6	41	<0.1	18.3	13.3	613	2.94	3.2	1.8	1.0	37	<0.1	0.2	<0.1	80	0.45	0.067	5
L8+00S 12+25.0W	Soil	0.3	58.5	4.2	45	<0.1	23.0	16.0	365	3.21	4.7	3.0	1.4	42	<0.1	0.2	0.1	88	0.56	0.110	8
L8+00S 12+50W	Soil	0.4	35.7	3.5	42	0.1	18.9	13.1	498	2.87	3.1	0.6	1.1	41	<0.1	0.3	<0.1	77	0.53	0.067	5
L8+00S 12+75W	Soil	0.4	29.6	3.8	41	<0.1	17.7	11.9	433	2.86	2.5	8.5	1.1	36	<0.1	0.2	0.1	75	0.44	0.058	5
L8+25S 12+50W	Soil	0.3	44.7	3.6	44	0.1	18.7	12.7	511	2.98	2.8	38.1	1.2	39	<0.1	0.3	<0.1	79	0.51	0.088	6
L9+75S 12+50W	Soil	0.4	22.9	3.3	32	<0.1	13.2	9.9	438	2.39	1.7	0.8	0.7	36	<0.1	0.2	<0.1	62	0.42	0.093	4
L10+00s 12+50W	Soil	0.3	33.8	3.7	32	0.1	15.7	11.2	507	2.69	2.3	3.1	1.1	47	<0.1	0.2	<0.1	70	0.53	0.042	6

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
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Client: **Max Investment Inc.**
3750 West 49th Ave
Vancouver British Columbia V6N 3T8 Canada

Project: None Given
Report Date: July 18, 2017

CERTIFICATE OF ANALYSIS VAN17001349.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L1+75S 28+50W	Soil	29	0.64	133	0.111	<20	1.67	0.010	0.11	0.2	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
L2+00 28+25	Soil	32	0.65	126	0.128	<20	1.52	0.011	0.13	0.2	0.02	4.3	<0.1	<0.05	4	<0.5	<0.2
L2+00S 28+37.5	Soil	37	0.74	159	0.153	<20	1.87	0.014	0.17	0.3	0.06	5.9	<0.1	<0.05	5	<0.5	<0.2
L2+00S 28+50W	Soil	44	0.91	159	0.154	<20	1.92	0.014	0.19	0.4	0.05	7.0	<0.1	<0.05	5	<0.5	<0.2
L2+00S 28+67.5W	Soil	40	0.95	94	0.159	<20	1.59	0.010	0.17	0.3	0.03	5.4	<0.1	<0.05	5	<0.5	<0.2
L2+00S 28+75W	Soil	39	0.92	90	0.146	<20	1.44	0.010	0.12	0.2	0.04	5.9	<0.1	<0.05	4	<0.5	<0.2
L2+25S 28+50W	Soil	38	0.84	111	0.139	<20	1.49	0.011	0.14	0.4	0.06	5.5	<0.1	<0.05	4	<0.5	<0.2
L3+75N 12+50W	Soil	30	0.56	83	0.129	<20	1.34	0.012	0.14	0.2	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
L4+00N 12+25W	Soil	27	0.67	216	0.094	<20	1.89	0.014	0.22	0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
L4+00N 12+50W	Soil	28	0.57	162	0.102	<20	1.73	0.010	0.13	<0.1	0.03	3.0	<0.1	<0.05	5	<0.5	<0.2
L4+00N 12+75W	Soil	32	0.59	175	0.106	<20	1.98	0.012	0.11	0.1	0.03	3.5	<0.1	<0.05	5	<0.5	<0.2
L4+25N 12+50W	Soil	32	0.60	156	0.100	<20	1.91	0.011	0.11	0.1	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
L7+75S 12+50W	Soil	49	0.82	151	0.133	<20	1.76	0.011	0.28	0.1	0.02	5.9	<0.1	<0.05	5	<0.5	<0.2
L8+00S 12+25.0W	Soil	54	0.96	183	0.140	<20	2.17	0.011	0.24	0.1	0.01	7.5	<0.1	<0.05	6	<0.5	<0.2
L8+00S 12+50W	Soil	49	0.81	140	0.128	<20	1.85	0.010	0.25	0.1	0.02	6.2	<0.1	<0.05	5	0.5	<0.2
L8+00S 12+75W	Soil	46	0.75	136	0.135	<20	1.72	0.008	0.25	0.2	0.02	5.4	<0.1	<0.05	5	<0.5	<0.2
L8+25S 12+50W	Soil	46	0.74	143	0.125	<20	1.72	0.008	0.31	0.2	0.03	6.1	<0.1	<0.05	5	<0.5	<0.2
L9+75S 12+50W	Soil	36	0.61	118	0.109	<20	1.42	0.010	0.19	0.1	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
L10+00s 12+50W	Soil	39	0.69	163	0.133	<20	1.79	0.014	0.20	0.1	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2

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Client: **Max Investment Inc.**
3750 West 49th Ave
Vancouver British Columbia V6N 3T8 Canada

Project: None Given
Report Date: July 18, 2017

QUALITY CONTROL REPORT VAN17001349.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																						
L8+00S 12+25.0W	Soil		0.3	58.5	4.2	45	<0.1	23.0	16.0	365	3.21	4.7	3.0	1.4	42	<0.1	0.2	0.1	88	0.56	0.110	8
REP L8+00S 12+25.0W	QC		0.4	59.1	4.3	45	<0.1	22.8	15.9	372	3.25	4.3	21.0	1.4	43	<0.1	0.3	0.1	88	0.56	0.110	7
Reference Materials																						
STD DS10	Standard		14.8	156.2	148.4	378	2.3	78.0	13.5	919	2.86	48.2	49.6	7.8	70	2.8	8.4	12.7	46	1.07	0.077	18
STD OREAS45EA	Standard		1.5	667.8	13.5	32	0.3	365.9	50.2	402	23.45	11.2	57.8	10.0	4	<0.1	0.4	0.3	249	0.03	0.028	7
STD DS10 Expected			13.6	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765	17.5
STD OREAS45EA Expected			1.6	709	14.3	31.4	0.26	381	52	400	23.51	10.3	53	10.7	3.5	0.03	0.32	0.26	303	0.036	0.029	7.06
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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Client: **Max Investment Inc.**
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Vancouver British Columbia V6N 3T8 Canada

Project: None Given
Report Date: July 18, 2017

QUALITY CONTROL REPORT VAN17001349.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
L8+00S 12+25.0W	Soil		54	0.96	183	0.140	<20	2.17	0.011	0.24	0.1	0.01	7.5	<0.1	<0.05	6	<0.5	<0.2
REP L8+00S 12+25.0W	QC		54	0.95	174	0.145	<20	2.15	0.012	0.24	0.2	0.02	7.4	<0.1	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS10	Standard		57	0.82	402	0.085	<20	1.10	0.070	0.35	3.9	0.35	3.1	5.3	0.28	4	2.4	5.3
STD OREAS45EA	Standard		813	0.09	134	0.097	<20	3.09	0.018	0.05	<0.1	0.02	77.7	<0.1	<0.05	12	1.2	<0.2
STD DS10 Expected			54.6	0.775	412	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01
STD OREAS45EA Expected			849	0.095	148	0.0984		3.13	0.02	0.053			78	0.072	0.036	12.4	0.78	0.07
BLK	Blank		<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Client: **Max Investment Inc.**
3750 West 49th Ave
Vancouver British Columbia V6N 3T8 Canada

Submitted By: Chris Dyakowski
Receiving Lab: Canada-Vancouver
Received: August 17, 2017
Report Date: September 05, 2017
Page: 1 of 8

CERTIFICATE OF ANALYSIS VAN17001779.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 198

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	198	Dry at 60C			VAN
SS80	198	Dry at 60C sieve 100g to -80 mesh			VAN
AQ200	198	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
DRPLP	198	Warehouse handling / disposition of pulps			VAN

ADDITIONAL COMMENTS

Invoice To: Max Investment Inc.
3750 West 49th Ave
Vancouver British Columbia V6N 3T8
Canada

CC:

JEFFREY CANNON
Geochemistry Department Supervisor

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **Max Investment Inc.**
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Vancouver British Columbia V6N 3T8 Canada

Project: None Given
Report Date: September 05, 2017

CERTIFICATE OF ANALYSIS VAN17001779.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L0+00 38+00W	Soil		0.6	48.5	3.6	52	<0.1	15.7	12.2	510	2.63	1.9	3.9	0.9	34	<0.1	0.2	0.1	62	0.34	0.173	4
L0+00 37+50W	Soil		0.5	27.9	3.5	46	<0.1	11.6	9.0	554	2.10	1.5	2.8	0.5	33	<0.1	0.2	0.1	53	0.32	0.062	3
L0+00 37+00W	Soil		0.3	35.9	3.2	48	<0.1	13.6	9.5	254	2.15	1.4	1.5	0.7	33	<0.1	0.2	0.1	54	0.35	0.048	4
L0+00 36+50W	Soil		0.5	43.8	3.5	41	<0.1	14.9	10.0	507	2.27	1.6	1.5	0.6	38	<0.1	0.3	0.1	64	0.38	0.045	5
L0+00 36+00W	Soil		0.5	198.7	5.2	46	0.3	28.0	13.3	695	3.08	4.7	4.3	1.3	89	0.1	0.4	0.2	69	1.16	0.064	19
L0+00 35+50W	Soil		0.5	30.4	3.9	41	0.1	14.1	8.6	218	2.38	2.0	0.9	0.9	38	<0.1	0.2	0.2	60	0.41	0.124	4
L0+00 35+00W	Soil		0.4	36.4	4.1	33	<0.1	13.7	9.4	314	2.41	2.3	1.3	1.1	48	<0.1	0.3	0.1	73	0.48	0.040	5
L0+00 34+50W	Soil		0.5	41.1	4.2	33	<0.1	15.0	10.1	438	2.54	2.6	1.6	1.3	44	<0.1	0.3	0.2	68	0.52	0.057	7
L0+00 34+00W	Soil		0.6	29.6	4.5	41	<0.1	16.7	10.5	368	2.60	3.1	3.6	1.0	38	<0.1	0.3	0.2	64	0.43	0.109	4
L0+00 33+50W	Soil		0.3	67.4	4.8	34	0.2	16.7	9.9	598	2.62	2.3	2.0	1.2	48	<0.1	0.2	0.2	60	0.67	0.032	10
L0+00 33+00W	Soil		0.2	60.7	4.2	31	<0.1	16.7	9.5	519	2.64	1.6	0.9	1.0	43	<0.1	0.2	0.1	59	0.65	0.026	6
L0+00 32+50W	Soil		0.3	23.2	4.0	22	<0.1	8.8	6.9	195	2.04	1.3	<0.5	0.7	32	<0.1	0.2	0.1	53	0.39	0.025	3
L0+00 32+00W	Soil		0.2	107.4	4.1	27	<0.1	14.7	9.3	401	2.58	2.9	2.9	1.0	52	<0.1	0.3	0.1	67	0.80	0.056	8
L0+00 31+50W	Soil		0.2	38.4	3.4	28	<0.1	12.5	10.2	227	2.76	2.1	0.9	1.2	48	<0.1	0.3	0.1	77	0.61	0.039	6
L0+00 31+00W	Soil		0.5	27.5	3.1	30	<0.1	11.0	9.6	287	2.40	1.7	8.5	0.8	37	<0.1	0.2	0.1	66	0.41	0.102	3
L0+00 30+50W	Soil		0.3	40.0	3.6	43	<0.1	16.3	9.9	304	2.72	2.0	<0.5	1.0	39	<0.1	0.2	0.1	75	0.46	0.089	4
L0+00 30+00W	Soil		0.3	42.8	3.2	29	<0.1	12.2	10.9	428	2.64	2.1	2.0	0.9	50	<0.1	0.3	0.1	67	0.70	0.035	5
L0+00 29+50W	Soil		0.3	29.2	2.9	24	<0.1	10.1	10.1	178	2.47	1.7	9.4	0.7	35	<0.1	0.2	<0.1	67	0.35	0.090	3
L0+00 29+00W	Soil		0.5	30.7	3.5	29	<0.1	13.1	10.0	253	2.38	1.6	20.0	0.9	33	<0.1	0.2	0.1	66	0.34	0.139	3
L0+00 28+50W	Soil		0.4	27.4	3.5	32	<0.1	12.3	10.3	277	2.43	1.8	1.8	0.9	34	<0.1	0.3	0.1	68	0.33	0.137	4
L2+00N 40+00W	Soil		0.3	76.3	4.1	43	0.1	18.8	12.6	420	3.03	2.5	1.6	1.2	44	0.1	0.3	0.2	67	0.55	0.063	5
L2+00N 39+50W	Soil		0.3	44.0	3.3	47	0.1	13.1	11.4	339	2.51	1.5	11.7	0.9	39	<0.1	0.2	<0.1	65	0.41	0.092	3
L2+00N 39+00W	Soil		0.5	42.3	3.7	45	<0.1	15.4	10.4	531	2.40	2.2	<0.5	0.8	42	<0.1	0.3	0.2	67	0.47	0.060	5
L2+00N 38+50W	Soil		0.4	42.9	3.7	43	<0.1	16.1	9.7	295	2.49	2.3	5.6	0.9	44	<0.1	0.4	0.2	76	0.47	0.056	5
L2+00N 38+00W	Soil		0.5	31.0	3.6	33	<0.1	10.9	9.2	503	2.14	1.3	<0.5	0.6	38	<0.1	0.2	<0.1	55	0.39	0.095	4
L2+00N 37+50W	Soil		0.4	37.9	4.1	50	0.1	15.3	11.0	412	2.58	1.9	<0.5	1.3	37	<0.1	0.2	0.1	62	0.38	0.146	4
L2+00N 37+00W	Soil		0.4	41.3	3.5	39	0.1	12.6	8.9	391	2.16	1.5	<0.5	0.6	37	<0.1	0.3	0.1	62	0.39	0.044	5
L2+00N 36+50W	Soil		0.3	46.9	3.4	37	0.1	14.3	8.8	406	2.32	1.9	5.3	0.7	38	<0.1	0.3	0.1	64	0.39	0.056	5
L2+00N 36+00W	Soil		0.3	47.0	3.9	29	<0.1	15.3	9.2	308	2.40	2.1	12.1	1.0	46	<0.1	0.3	0.2	69	0.51	0.053	7
L2+00N 35+50W	Soil		0.5	34.8	3.4	31	<0.1	14.7	11.0	248	2.60	2.2	3.6	0.9	42	<0.1	0.3	0.1	76	0.46	0.108	4

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Project: None Given
Report Date: September 05, 2017

CERTIFICATE OF ANALYSIS VAN17001779.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L0+00 38+00W	Soil		31	0.65	155	0.102	<20	2.06	0.013	0.10	0.1	0.02	4.9	<0.1	<0.05	6	<0.5	<0.2
L0+00 37+50W	Soil		24	0.51	108	0.106	<20	1.40	0.011	0.12	0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
L0+00 37+00W	Soil		26	0.58	112	0.109	<20	1.36	0.013	0.10	<0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
L0+00 36+50W	Soil		30	0.59	118	0.117	<20	1.38	0.013	0.11	0.1	0.02	4.3	<0.1	<0.05	4	<0.5	<0.2
L0+00 36+00W	Soil		38	0.86	324	0.123	<20	3.08	0.021	0.19	0.2	0.07	8.2	<0.1	<0.05	7	0.8	<0.2
L0+00 35+50W	Soil		32	0.55	171	0.109	<20	1.72	0.015	0.11	0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
L0+00 35+00W	Soil		31	0.57	123	0.138	<20	1.62	0.018	0.09	0.2	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2
L0+00 34+50W	Soil		33	0.57	159	0.133	<20	1.75	0.015	0.14	0.2	0.04	5.4	<0.1	<0.05	5	<0.5	<0.2
L0+00 34+00W	Soil		34	0.57	152	0.122	<20	1.75	0.014	0.09	0.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
L0+00 33+50W	Soil		29	0.62	183	0.125	<20	2.10	0.022	0.14	0.2	0.04	5.4	<0.1	<0.05	6	<0.5	<0.2
L0+00 33+00W	Soil		27	0.61	160	0.113	<20	2.06	0.023	0.13	0.2	0.04	4.8	<0.1	<0.05	5	<0.5	<0.2
L0+00 32+50W	Soil		22	0.41	114	0.117	<20	1.39	0.014	0.11	0.3	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
L0+00 32+00W	Soil		30	0.68	197	0.116	<20	2.03	0.023	0.11	0.2	0.04	5.3	<0.1	<0.05	5	0.5	<0.2
L0+00 31+50W	Soil		29	0.68	125	0.155	<20	1.67	0.018	0.13	<0.1	0.02	5.6	<0.1	<0.05	5	<0.5	<0.2
L0+00 31+00W	Soil		27	0.54	99	0.119	<20	1.34	0.009	0.09	0.2	0.01	3.5	<0.1	<0.05	4	<0.5	<0.2
L0+00 30+50W	Soil		34	0.61	113	0.131	<20	1.73	0.011	0.12	0.2	<0.01	4.4	<0.1	<0.05	5	<0.5	<0.2
L0+00 30+00W	Soil		28	0.70	95	0.132	<20	1.41	0.016	0.12	0.1	0.04	4.5	<0.1	<0.05	4	<0.5	<0.2
L0+00 29+50W	Soil		28	0.48	96	0.128	<20	1.19	0.008	0.08	0.2	0.01	3.6	<0.1	<0.05	4	<0.5	<0.2
L0+00 29+00W	Soil		29	0.51	120	0.122	<20	1.50	0.012	0.09	0.2	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
L0+00 28+50W	Soil		29	0.48	121	0.113	<20	1.49	0.010	0.05	0.2	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
L2+00N 40+00W	Soil		37	0.75	222	0.122	<20	2.15	0.019	0.16	0.3	0.03	6.5	<0.1	<0.05	6	<0.5	<0.2
L2+00N 39+50W	Soil		30	0.71	115	0.127	<20	1.60	0.011	0.15	0.1	0.01	4.3	<0.1	<0.05	5	<0.5	<0.2
L2+00N 39+00W	Soil		30	0.69	115	0.134	<20	1.45	0.014	0.11	0.4	0.05	4.1	<0.1	<0.05	5	<0.5	<0.2
L2+00N 38+50W	Soil		34	0.70	111	0.148	<20	1.61	0.013	0.10	0.2	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
L2+00N 38+00W	Soil		24	0.50	144	0.101	<20	1.47	0.011	0.11	0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
L2+00N 37+50W	Soil		32	0.57	182	0.104	<20	1.93	0.016	0.11	0.1	0.02	4.4	<0.1	<0.05	6	<0.5	<0.2
L2+00N 37+00W	Soil		28	0.61	107	0.123	<20	1.49	0.018	0.11	0.1	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
L2+00N 36+50W	Soil		29	0.60	129	0.117	<20	1.49	0.014	0.10	0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
L2+00N 36+00W	Soil		32	0.64	140	0.135	<20	1.68	0.015	0.09	0.2	0.04	5.2	<0.1	<0.05	5	<0.5	<0.2
L2+00N 35+50W	Soil		35	0.63	131	0.134	<20	1.42	0.012	0.10	0.2	0.02	4.5	<0.1	<0.05	5	<0.5	<0.2

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Project: None Given
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	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L2+00N 35+00W	Soil	0.3	46.4	3.3	32	<0.1	17.3	11.8	387	2.86	2.2	4.2	1.2	50	<0.1	0.3	0.1	85	0.62	0.064	7
L2+00N 34+50W	Soil	0.4	26.2	2.8	29	<0.1	12.1	9.3	279	2.32	1.5	1.5	0.8	35	<0.1	0.3	0.1	65	0.42	0.087	4
L2+00N 34+00W	Soil	0.4	35.4	3.2	38	<0.1	13.6	9.4	297	2.40	2.1	2.6	0.9	33	<0.1	0.3	0.1	64	0.36	0.078	4
L2+00N 33+50W	Soil	0.4	36.8	3.1	37	<0.1	13.8	10.2	288	2.58	2.5	2.4	0.8	34	<0.1	0.3	0.1	69	0.41	0.101	4
L2+00N 33+00W	Soil	0.4	31.7	3.2	41	<0.1	12.8	10.3	366	2.39	2.0	2.8	0.8	31	<0.1	0.2	<0.1	62	0.37	0.111	3
L2+00N 32+50W	Soil	0.4	29.0	2.8	30	<0.1	11.3	9.6	328	2.46	2.5	20.5	0.7	33	<0.1	0.3	0.1	72	0.42	0.072	3
L2+00N 32+00W	Soil	0.5	26.3	2.8	34	<0.1	12.5	10.3	384	2.43	2.0	2.3	0.7	29	<0.1	0.2	0.1	68	0.36	0.102	3
L2+00N 31+50W	Soil	0.4	33.4	3.1	38	<0.1	13.0	10.5	332	2.57	2.4	3.8	0.8	34	<0.1	0.2	<0.1	69	0.41	0.101	4
L2+00N 31+00W	Soil	0.3	37.8	3.5	36	<0.1	13.4	10.6	258	2.48	2.1	6.3	0.9	26	<0.1	0.2	0.1	58	0.33	0.154	3
L2+00N 30+50W	Soil	0.4	31.2	3.0	29	<0.1	12.9	9.8	264	2.48	2.5	72.9	0.8	36	<0.1	0.2	0.1	72	0.42	0.086	4
L2+00S 40+00W	Soil	0.8	124.8	3.8	37	0.2	26.5	18.7	1382	3.64	6.0	8.7	0.6	62	<0.1	0.4	0.2	92	1.06	0.106	8
L2+00S 39+50W	Soil	0.5	35.7	3.5	31	<0.1	10.7	9.4	346	2.08	1.6	2.2	0.7	32	<0.1	0.2	0.1	60	0.41	0.048	5
L2+00S 39+00W	Soil	0.4	32.6	3.5	42	<0.1	12.3	10.8	343	2.42	1.8	0.7	0.6	38	0.1	0.3	0.1	64	0.43	0.117	3
L2+00S 38+50W	Soil	0.4	40.8	3.7	44	<0.1	16.7	10.7	261	2.50	2.2	1.1	0.8	31	<0.1	0.2	0.2	63	0.37	0.082	4
L2+00S 38+00W	Soil	0.7	24.4	4.4	48	<0.1	10.9	9.4	627	2.02	1.6	0.6	0.4	27	<0.1	0.2	0.1	51	0.30	0.103	2
L2+00S 37+50W	Soil	0.5	35.8	3.6	49	<0.1	15.1	10.6	325	2.52	2.1	7.5	0.9	31	<0.1	0.2	0.1	59	0.35	0.138	4
L2+00S 37+00W	Soil	0.4	39.8	3.2	41	0.1	13.0	9.6	406	2.15	2.1	15.7	0.6	32	<0.1	0.2	<0.1	56	0.36	0.072	5
L2+00S 36+50W	Soil	0.4	33.6	3.5	40	<0.1	13.9	9.1	274	2.23	1.9	1.1	0.7	28	<0.1	0.2	0.1	52	0.32	0.150	3
L2+00S 36+00W	Soil	0.5	32.7	3.7	37	<0.1	13.1	9.3	491	2.15	2.2	1.1	0.7	36	<0.1	0.2	0.1	54	0.40	0.063	4
L2+00S 35+50W	Soil	0.4	55.4	4.3	36	<0.1	20.1	13.4	579	2.79	3.9	14.6	1.5	48	<0.1	0.3	0.4	74	0.58	0.038	6
L2+00S 35+00W	Soil	0.4	22.2	3.8	32	<0.1	13.7	9.0	173	2.30	1.9	0.8	0.7	34	<0.1	0.2	0.1	58	0.42	0.102	3
L2+00S 34+50W	Soil	0.5	27.4	3.3	35	<0.1	13.6	10.5	339	2.34	2.0	2.8	0.7	36	<0.1	0.2	0.1	59	0.42	0.099	4
L2+00S 34+00W	Soil	0.6	29.4	3.7	45	<0.1	15.5	10.7	436	2.58	2.1	1.3	0.8	34	<0.1	0.2	0.1	69	0.40	0.091	4
L2+00S 33+50W	Soil	0.5	26.7	3.8	38	<0.1	14.2	10.3	373	2.36	2.4	1.3	0.8	35	<0.1	0.2	0.2	62	0.43	0.062	4
L2+00S 33+00W	Soil	0.6	33.6	3.6	35	<0.1	16.1	10.2	482	2.42	2.8	1.1	1.0	43	<0.1	0.3	0.2	68	0.49	0.058	5
L2+00S 32+50W	Soil	0.5	26.8	3.5	32	<0.1	13.5	9.6	236	2.28	2.3	1.9	0.9	34	<0.1	0.3	0.1	60	0.37	0.087	4
L2+00S 32+00W	Soil	0.5	27.2	3.0	28	<0.1	12.1	10.1	317	2.31	1.9	4.0	0.8	33	<0.1	0.2	0.1	61	0.39	0.082	4
L2+00S 31+50W	Soil	0.3	28.2	3.9	27	<0.1	11.4	8.7	464	2.40	2.9	1.0	0.8	39	<0.1	0.3	0.1	66	0.65	0.024	5
L2+00S 31+00W	Soil	0.7	31.0	3.7	30	<0.1	13.1	10.1	299	2.31	2.2	7.2	0.7	35	<0.1	0.2	0.1	62	0.45	0.099	4
L2+00S 30+50W	Soil	0.5	20.3	3.5	40	<0.1	12.2	8.1	497	2.08	1.2	7.3	0.7	32	<0.1	0.2	0.1	59	0.36	0.058	3

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		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L2+00N 35+00W	Soil		39	0.72	150	0.154	<20	1.60	0.016	0.11	0.2	0.04	6.6	<0.1	<0.05	5	<0.5	<0.2
L2+00N 34+50W	Soil		28	0.52	103	0.115	<20	1.20	0.009	0.09	0.2	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
L2+00N 34+00W	Soil		28	0.55	105	0.110	<20	1.44	0.011	0.09	0.1	0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
L2+00N 33+50W	Soil		30	0.56	107	0.109	<20	1.47	0.011	0.10	0.2	0.01	4.0	<0.1	<0.05	4	<0.5	<0.2
L2+00N 33+00W	Soil		27	0.49	128	0.096	<20	1.47	0.009	0.08	0.2	0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
L2+00N 32+50W	Soil		28	0.54	103	0.112	<20	1.13	0.008	0.09	0.4	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
L2+00N 32+00W	Soil		27	0.52	102	0.106	<20	1.33	0.008	0.07	0.6	0.07	3.5	<0.1	<0.05	4	<0.5	<0.2
L2+00N 31+50W	Soil		30	0.57	119	0.110	<20	1.36	0.009	0.07	0.1	0.02	3.9	<0.1	<0.05	4	<0.5	<0.2
L2+00N 31+00W	Soil		27	0.56	154	0.092	<20	1.85	0.010	0.09	0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
L2+00N 30+50W	Soil		30	0.56	102	0.116	<20	1.24	0.009	0.09	0.2	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
L2+00S 40+00W	Soil		47	0.96	236	0.079	<20	2.62	0.016	0.13	0.2	0.08	9.1	<0.1	<0.05	6	0.5	<0.2
L2+00S 39+50W	Soil		26	0.51	114	0.103	<20	1.38	0.014	0.09	0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
L2+00S 39+00W	Soil		28	0.60	124	0.097	<20	1.53	0.012	0.10	0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
L2+00S 38+50W	Soil		30	0.59	155	0.107	<20	1.70	0.013	0.11	0.3	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
L2+00S 38+00W	Soil		23	0.49	90	0.087	<20	1.29	0.009	0.10	0.1	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
L2+00S 37+50W	Soil		30	0.62	166	0.104	<20	1.85	0.011	0.12	0.4	0.02	4.0	<0.1	<0.05	6	<0.5	<0.2
L2+00S 37+00W	Soil		26	0.53	123	0.094	<20	1.40	0.012	0.12	0.1	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
L2+00S 36+50W	Soil		26	0.52	176	0.089	<20	1.75	0.011	0.10	0.3	0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
L2+00S 36+00W	Soil		27	0.50	168	0.098	<20	1.45	0.014	0.12	0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
L2+00S 35+50W	Soil		36	0.77	179	0.144	<20	2.12	0.018	0.17	0.2	0.05	6.0	<0.1	<0.05	6	<0.5	<0.2
L2+00S 35+00W	Soil		29	0.50	133	0.107	<20	1.60	0.012	0.12	0.2	0.03	3.5	<0.1	<0.05	5	<0.5	<0.2
L2+00S 34+50W	Soil		29	0.53	122	0.102	<20	1.38	0.011	0.11	0.1	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
L2+00S 34+00W	Soil		33	0.60	128	0.120	<20	1.57	0.011	0.11	0.1	0.01	4.0	<0.1	<0.05	5	<0.5	<0.2
L2+00S 33+50W	Soil		31	0.56	119	0.117	<20	1.51	0.013	0.12	0.4	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
L2+00S 33+00W	Soil		33	0.55	147	0.127	<20	1.49	0.017	0.12	0.1	0.05	4.4	<0.1	<0.05	5	<0.5	<0.2
L2+00S 32+50W	Soil		31	0.50	114	0.117	<20	1.34	0.013	0.12	0.2	0.02	3.9	<0.1	<0.05	4	<0.5	<0.2
L2+00S 32+00W	Soil		29	0.52	113	0.111	<20	1.20	0.013	0.09	0.1	0.02	3.9	<0.1	<0.05	4	<0.5	<0.2
L2+00S 31+50W	Soil		27	0.50	112	0.116	<20	1.60	0.018	0.09	1.9	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
L2+00S 31+00W	Soil		28	0.51	115	0.104	<20	1.29	0.010	0.10	0.2	0.02	3.9	<0.1	<0.05	4	<0.5	<0.2
L2+00S 30+50W	Soil		26	0.43	102	0.118	<20	1.36	0.010	0.07	0.2	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2

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Project: None Given
Report Date: September 05, 2017

CERTIFICATE OF ANALYSIS VAN17001779.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L4+00N 40+00W	Soil	0.5	28.4	3.5	37	<0.1	14.1	9.3	300	2.17	1.5	0.7	0.8	28	<0.1	0.2	0.2	54	0.29	0.118	3
L4+00N 39+50W	Soil	0.3	38.0	3.2	34	<0.1	15.2	9.6	234	2.30	1.9	2.2	0.8	33	<0.1	0.3	0.2	70	0.37	0.042	4
L4+00N 39+00W	Soil	0.4	31.0	3.3	33	<0.1	12.7	7.2	306	1.78	1.3	1.4	0.4	25	<0.1	0.1	0.1	50	0.28	0.046	4
L4+00N 38+50W	Soil	0.3	59.0	3.1	51	<0.1	19.3	11.8	269	2.45	2.0	1.2	0.6	27	<0.1	0.2	0.1	63	0.28	0.078	3
L4+00N 38+00W	Soil	0.5	41.0	3.8	45	<0.1	17.5	11.1	459	2.38	2.1	2.6	0.8	27	<0.1	0.2	0.1	59	0.27	0.160	4
L4+00N 37+50W	Soil	0.4	46.9	3.4	39	<0.1	16.3	11.1	585	2.25	2.0	1.9	0.6	31	<0.1	0.2	0.1	66	0.35	0.047	6
L4+00N 37+00W	Soil	0.5	31.5	3.8	47	<0.1	14.9	8.8	413	2.03	1.4	1.9	0.8	28	<0.1	0.2	0.1	57	0.35	0.073	4
L4+00N 36+50W	Soil	0.3	64.3	4.3	35	0.1	19.2	10.9	429	2.70	2.7	5.1	1.3	41	<0.1	0.3	0.2	70	0.63	0.043	7
L4+00N 36+00W	Soil	0.4	41.8	2.8	34	<0.1	16.6	12.3	284	2.93	2.9	11.0	1.0	36	<0.1	0.3	0.1	84	0.45	0.100	4
L4+00N 35+50W	Soil	0.2	39.0	3.4	33	<0.1	16.0	10.1	300	2.57	2.0	22.6	1.0	39	<0.1	0.2	0.1	65	0.57	0.046	5
L4+00N 35+00W	Soil	0.5	28.0	2.9	39	<0.1	14.9	9.7	374	2.36	1.9	9.7	0.8	29	<0.1	0.2	0.1	71	0.35	0.108	3
L4+00N 34+50W	Soil	0.5	26.5	3.0	29	<0.1	12.7	9.2	273	2.27	1.8	11.8	0.8	32	<0.1	0.2	0.1	67	0.38	0.088	3
L4+00N 34+00W	Soil	0.6	32.3	2.7	41	<0.1	13.5	10.6	499	2.61	2.3	9.2	0.6	31	<0.1	0.3	0.1	75	0.38	0.103	3
L4+00N 33+50W	Soil	0.5	31.3	3.2	49	0.1	13.6	10.8	382	2.28	2.2	10.4	0.7	28	<0.1	0.2	<0.1	63	0.32	0.122	3
L4+00N 33+00W	Soil	0.4	32.1	2.9	33	<0.1	12.3	11.3	312	2.57	2.8	0.7	0.7	30	<0.1	0.3	0.2	74	0.36	0.111	3
L4+00N 32+50W	Soil	0.3	137.1	3.0	27	0.3	18.1	9.4	306	2.21	2.3	5.1	0.3	65	<0.1	0.5	0.1	61	1.51	0.102	8
L4+00N 32+00W	Soil	0.4	26.5	3.3	30	<0.1	13.0	10.3	258	2.34	1.8	0.8	0.8	33	<0.1	0.2	<0.1	68	0.39	0.081	4
L4+00N 31+50W	Soil	0.4	31.2	3.5	36	<0.1	13.0	9.9	343	2.19	1.7	87.5	0.6	31	<0.1	0.2	<0.1	59	0.33	0.112	3
L4+00N 31+00W	Soil	0.4	36.8	3.3	33	<0.1	13.8	10.8	304	2.38	2.0	1.3	0.8	38	<0.1	0.2	<0.1	67	0.42	0.106	4
L4+00N 30+50W	Soil	0.4	68.9	3.6	35	0.1	16.8	11.3	643	2.67	2.9	38.7	1.0	42	<0.1	0.3	0.1	73	0.54	0.045	7
L4+00S 40+00W	Soil	0.5	124.4	3.6	36	0.2	24.9	16.0	713	3.33	4.3	4.4	0.5	51	<0.1	0.3	0.2	95	0.88	0.107	7
L4+00S 39+50W	Soil	0.4	25.5	2.9	31	<0.1	10.8	9.4	244	2.15	1.5	2.1	0.6	33	<0.1	0.2	<0.1	57	0.36	0.105	3
L4+00S 39+00W	Soil	0.4	33.2	3.3	37	<0.1	13.9	10.6	306	2.22	2.1	4.3	0.6	31	<0.1	0.2	<0.1	61	0.33	0.106	3
L4+00S 38+50W	Soil	0.3	50.4	3.3	35	<0.1	15.4	13.1	377	2.31	1.9	4.0	0.9	41	<0.1	0.2	0.1	75	0.49	0.059	5
L4+00S 38+00W	Soil	0.5	22.8	3.3	37	<0.1	10.6	9.8	375	2.19	1.5	0.8	0.6	29	<0.1	0.2	0.1	59	0.31	0.099	3
L4+00S 37+50W	Soil	0.6	35.7	3.3	40	<0.1	13.3	10.6	525	2.55	2.2	<0.5	0.8	35	<0.1	0.3	0.1	70	0.41	0.090	4
L4+00S 37+00W	Soil	0.6	31.2	3.4	52	<0.1	16.6	10.5	622	2.39	2.1	<0.5	0.9	31	<0.1	0.2	0.2	65	0.36	0.095	4
L4+00S 36+50W	Soil	0.4	23.3	3.3	34	<0.1	10.8	7.9	435	1.99	1.4	0.6	0.4	32	<0.1	0.2	0.2	62	0.38	0.037	3
L4+00S 36+00W	Soil	0.5	25.2	3.8	28	<0.1	11.2	9.3	463	2.18	1.5	1.1	0.7	40	<0.1	0.2	0.1	59	0.47	0.035	3
L4+00S 35+50W	Soil	0.4	41.7	3.8	35	<0.1	14.6	10.7	375	2.43	2.4	1.7	0.9	44	<0.1	0.2	0.1	63	0.49	0.068	5

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Project: None Given
Report Date: September 05, 2017

CERTIFICATE OF ANALYSIS VAN17001779.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L4+00N 40+00W	Soil		26	0.45	141	0.096	<20	1.59	0.011	0.09	0.2	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
L4+00N 39+50W	Soil		31	0.63	106	0.134	<20	1.44	0.016	0.09	<0.1	<0.01	4.0	<0.1	<0.05	4	<0.5	<0.2
L4+00N 39+00W	Soil		22	0.43	99	0.085	<20	1.37	0.015	0.07	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
L4+00N 38+50W	Soil		33	0.70	103	0.096	<20	2.00	0.014	0.10	0.1	0.02	4.0	<0.1	<0.05	6	<0.5	<0.2
L4+00N 38+00W	Soil		28	0.50	159	0.088	<20	1.83	0.011	0.07	0.2	0.03	3.7	<0.1	<0.05	6	<0.5	<0.2
L4+00N 37+50W	Soil		32	0.61	111	0.103	<20	1.54	0.013	0.09	0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
L4+00N 37+00W	Soil		27	0.50	129	0.096	<20	1.33	0.012	0.08	0.2	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
L4+00N 36+50W	Soil		38	0.67	189	0.127	<20	2.07	0.017	0.11	0.2	0.08	6.6	<0.1	<0.05	6	<0.5	<0.2
L4+00N 36+00W	Soil		35	0.67	99	0.119	<20	1.45	0.011	0.07	0.2	0.02	4.4	<0.1	<0.05	4	<0.5	<0.2
L4+00N 35+50W	Soil		34	0.59	115	0.125	<20	1.60	0.013	0.10	0.2	0.14	5.4	<0.1	<0.05	5	<0.5	<0.2
L4+00N 35+00W	Soil		29	0.49	98	0.107	<20	1.39	0.008	0.07	0.3	0.01	3.5	<0.1	<0.05	4	<0.5	<0.2
L4+00N 34+50W	Soil		28	0.48	87	0.110	<20	1.17	0.008	0.08	0.2	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
L4+00N 34+00W	Soil		29	0.56	85	0.107	<20	1.23	0.006	0.07	0.5	0.01	3.6	<0.1	<0.05	4	<0.5	<0.2
L4+00N 33+50W	Soil		27	0.53	126	0.099	<20	1.56	0.010	0.07	0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
L4+00N 33+00W	Soil		28	0.55	107	0.100	<20	1.30	0.007	0.06	0.2	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
L4+00N 32+50W	Soil		31	0.64	174	0.070	<20	1.60	0.014	0.09	0.9	0.12	4.4	<0.1	<0.05	4	1.1	<0.2
L4+00N 32+00W	Soil		29	0.50	116	0.115	<20	1.39	0.011	0.09	0.1	0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
L4+00N 31+50W	Soil		27	0.50	136	0.100	<20	1.54	0.009	0.09	0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
L4+00N 31+00W	Soil		31	0.59	125	0.119	<20	1.49	0.010	0.10	0.1	0.02	3.9	<0.1	<0.05	4	<0.5	<0.2
L4+00N 30+50W	Soil		33	0.64	160	0.118	<20	1.89	0.015	0.14	0.1	0.03	5.3	<0.1	<0.05	5	<0.5	<0.2
L4+00S 40+00W	Soil		46	0.94	189	0.090	<20	2.38	0.016	0.09	0.3	0.13	8.5	<0.1	<0.05	6	<0.5	<0.2
L4+00S 39+50W	Soil		25	0.52	100	0.101	<20	1.29	0.009	0.10	<0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
L4+00S 39+00W	Soil		28	0.57	128	0.104	<20	1.73	0.012	0.09	0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
L4+00S 38+50W	Soil		31	0.79	140	0.130	<20	1.68	0.018	0.12	0.1	0.02	4.5	<0.1	<0.05	5	<0.5	<0.2
L4+00S 38+00W	Soil		25	0.51	112	0.101	<20	1.30	0.009	0.10	0.3	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
L4+00S 37+50W	Soil		29	0.63	125	0.125	<20	1.44	0.009	0.10	0.3	0.01	4.0	<0.1	<0.05	4	<0.5	<0.2
L4+00S 37+00W	Soil		28	0.59	170	0.104	<20	1.59	0.013	0.10	0.2	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
L4+00S 36+50W	Soil		23	0.47	122	0.110	<20	1.31	0.013	0.09	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
L4+00S 36+00W	Soil		27	0.58	117	0.125	<20	1.41	0.016	0.14	0.1	0.02	3.9	<0.1	<0.05	4	<0.5	<0.2
L4+00S 35+50W	Soil		29	0.59	158	0.116	<20	1.75	0.013	0.12	0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2

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Project: None Given
Report Date: September 05, 2017

CERTIFICATE OF ANALYSIS VAN17001779.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L4+00S 35+00W	Soil	0.4	105.4	4.8	31	0.1	17.9	11.0	787	2.58	2.9	2.0	1.1	55	0.1	0.3	0.1	68	0.80	0.051	11
L4+00S 34+50W	Soil	0.5	37.7	4.4	30	<0.1	14.7	11.1	277	2.43	2.0	0.8	0.9	42	<0.1	0.2	0.2	65	0.57	0.040	7
L4+00S 34+00W	Soil	0.5	27.4	3.9	39	<0.1	13.8	10.7	320	2.50	1.8	0.9	0.8	34	<0.1	0.2	0.1	63	0.36	0.115	3
L4+00S 33+50W	Soil	0.7	23.4	3.7	42	<0.1	16.3	10.5	499	2.42	2.1	1.0	0.7	28	<0.1	0.3	0.2	67	0.33	0.080	4
L4+00S 33+00W	Soil	0.7	28.4	4.0	69	0.1	17.9	10.6	639	2.47	1.9	1.7	0.8	30	<0.1	0.2	0.1	63	0.34	0.147	4
L4+00S 32+50W	Soil	0.5	20.5	3.6	30	<0.1	11.5	9.1	510	2.10	1.4	1.8	0.6	32	<0.1	0.2	0.1	64	0.35	0.054	3
L4+00S 32+00W	Soil	0.4	22.8	3.5	43	<0.1	12.7	8.7	587	2.23	1.4	0.8	0.8	31	<0.1	0.2	0.1	63	0.36	0.066	4
L4+00S 31+50W	Soil	0.4	23.8	3.7	35	<0.1	14.6	9.5	233	2.35	1.9	1.4	1.1	34	<0.1	0.3	0.1	71	0.39	0.045	5
L4+00S 31+00W	Soil	0.2	50.2	2.7	35	<0.1	16.5	11.9	458	2.64	3.2	4.2	0.6	52	<0.1	0.3	0.1	74	0.74	0.057	6
L4+00S 30+50W	Soil	0.5	30.4	2.9	30	<0.1	12.8	9.9	294	2.37	1.5	15.1	0.8	36	<0.1	0.2	0.1	70	0.42	0.089	4
L6+00N 40+00W	Soil	0.6	31.0	3.9	33	<0.1	15.6	10.0	262	2.38	2.0	4.7	0.8	24	<0.1	0.2	0.1	63	0.25	0.127	3
L6+00N 39+50W	Soil	0.6	40.0	3.6	47	<0.1	16.0	11.4	635	2.24	2.1	<0.5	0.4	29	<0.1	0.2	0.1	58	0.38	0.126	3
L6+00N 39+00W	Soil	0.4	48.1	3.6	45	<0.1	15.8	12.8	529	2.36	1.9	4.0	0.6	23	<0.1	0.1	0.1	59	0.28	0.093	3
L6+00N 38+50W	Soil	0.5	43.9	4.2	47	0.1	21.0	11.4	417	2.57	2.1	2.5	1.0	33	<0.1	0.3	0.1	64	0.32	0.105	5
L6+00N 38+00W	Soil	0.5	36.6	4.7	43	<0.1	17.4	9.9	542	2.21	1.8	5.6	0.7	26	<0.1	0.2	0.2	51	0.30	0.148	4
L6+00N 37+50W	Soil	0.5	29.7	3.6	36	<0.1	18.6	10.4	298	2.46	2.0	1.9	1.0	34	<0.1	0.3	0.2	65	0.39	0.094	4
L6+00N 37+00W	Soil	0.4	33.8	4.1	29	<0.1	19.3	10.3	257	2.51	2.3	2.7	1.1	38	<0.1	0.3	0.2	68	0.46	0.047	6
L6+00N 36+50W	Soil	0.4	25.5	3.3	29	<0.1	14.2	9.7	244	2.39	1.8	2.8	0.9	37	<0.1	0.2	<0.1	68	0.44	0.066	4
L6+00N 36+00W	Soil	0.3	43.9	3.6	29	<0.1	15.8	10.4	420	2.62	2.4	2.4	1.1	44	<0.1	0.3	0.1	69	0.59	0.050	6
L6+00N 35+50W	Soil	0.4	32.8	3.1	29	<0.1	13.4	10.0	262	2.34	1.8	53.0	0.9	38	<0.1	0.2	0.1	64	0.44	0.108	4
L6+00N 35+00W	Soil	0.6	30.0	3.5	31	<0.1	12.3	10.0	356	2.28	1.8	1.4	0.9	38	<0.1	0.2	<0.1	61	0.42	0.106	4
L6+00N 34+50W	Soil	0.3	27.0	3.3	29	<0.1	10.9	9.8	233	2.24	1.0	2.6	0.8	33	<0.1	0.2	<0.1	59	0.35	0.103	3
L6+00N 34+00W	Soil	0.2	47.5	4.4	32	<0.1	13.8	10.3	499	2.30	1.7	2.9	0.8	41	<0.1	0.3	<0.1	58	0.72	0.050	5
L6+00N 33+50W	Soil	0.4	34.6	3.3	44	<0.1	12.0	11.6	441	2.45	2.2	0.9	0.8	33	<0.1	0.2	<0.1	60	0.32	0.147	3
L6+00N 33+00W	Soil	0.1	212.3	4.2	26	0.3	20.0	9.6	312	2.21	2.5	5.8	0.4	60	<0.1	0.3	0.1	50	1.16	0.096	7
L6+00N 32+50W	Soil	0.3	40.3	3.1	35	<0.1	12.6	12.4	357	2.55	2.4	12.7	0.6	42	<0.1	0.2	<0.1	69	0.47	0.107	3
L6+00N 32+00W	Soil	0.2	33.9	3.3	23	0.1	9.9	8.7	282	1.88	1.0	195.6	0.7	43	<0.1	0.2	<0.1	54	0.47	0.044	5
L6+00N 31+50W	Soil	0.3	37.0	3.8	35	0.1	13.8	10.8	282	2.33	1.6	32.8	0.6	34	<0.1	0.1	<0.1	55	0.34	0.110	3
L6+00N 31+00W	Soil	0.2	37.6	3.3	32	0.2	14.3	9.9	219	2.18	1.4	1.4	0.7	35	<0.1	0.1	<0.1	55	0.35	0.067	3
L6+00N 30+50W	Soil	0.4	53.7	3.8	48	0.1	16.6	12.0	604	2.48	2.1	3.4	0.9	33	<0.1	0.1	<0.1	57	0.34	0.163	4

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Project: None Given
Report Date: September 05, 2017

CERTIFICATE OF ANALYSIS VAN17001779.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L4+00S 35+00W	Soil		30	0.62	235	0.119	<20	2.39	0.022	0.13	0.2	0.05	5.5	<0.1	<0.05	6	<0.5	<0.2
L4+00S 34+50W	Soil		32	0.60	163	0.124	<20	1.74	0.017	0.11	0.2	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2
L4+00S 34+00W	Soil		28	0.51	145	0.111	<20	1.71	0.012	0.08	0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
L4+00S 33+50W	Soil		33	0.51	124	0.124	<20	1.54	0.011	0.09	0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
L4+00S 33+00W	Soil		31	0.51	157	0.104	<20	1.66	0.010	0.11	0.2	0.04	3.9	<0.1	<0.05	5	<0.5	<0.2
L4+00S 32+50W	Soil		26	0.47	113	0.118	<20	1.27	0.011	0.11	0.2	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
L4+00S 32+00W	Soil		29	0.47	110	0.127	<20	1.36	0.011	0.11	0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
L4+00S 31+50W	Soil		34	0.54	114	0.156	<20	1.44	0.013	0.10	<0.1	0.02	4.1	<0.1	<0.05	4	<0.5	<0.2
L4+00S 31+00W	Soil		35	0.80	131	0.108	<20	1.43	0.020	0.14	0.2	0.03	4.8	<0.1	<0.05	4	<0.5	<0.2
L4+00S 30+50W	Soil		30	0.55	103	0.125	<20	1.31	0.011	0.08	0.2	0.01	3.9	<0.1	<0.05	4	<0.5	<0.2
L6+00N 40+00W	Soil		28	0.48	119	0.097	<20	1.68	0.010	0.07	0.2	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
L6+00N 39+50W	Soil		28	0.56	120	0.087	<20	1.71	0.010	0.07	0.1	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
L6+00N 39+00W	Soil		28	0.58	117	0.094	<20	1.93	0.011	0.08	0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
L6+00N 38+50W	Soil		30	0.56	159	0.112	<20	1.97	0.013	0.06	1.0	0.03	3.8	<0.1	<0.05	6	<0.5	<0.2
L6+00N 38+00W	Soil		28	0.47	129	0.093	<20	1.78	0.012	0.08	0.1	0.03	3.5	<0.1	<0.05	6	<0.5	<0.2
L6+00N 37+50W	Soil		33	0.52	111	0.123	<20	1.36	0.012	0.07	0.2	0.02	4.0	<0.1	<0.05	4	<0.5	<0.2
L6+00N 37+00W	Soil		32	0.54	136	0.138	<20	1.55	0.014	0.09	0.2	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
L6+00N 36+50W	Soil		30	0.51	111	0.135	<20	1.37	0.013	0.07	0.1	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
L6+00N 36+00W	Soil		33	0.64	134	0.138	<20	1.61	0.014	0.09	0.3	0.03	5.2	<0.1	<0.05	4	<0.5	<0.2
L6+00N 35+50W	Soil		29	0.52	96	0.123	<20	1.27	0.009	0.08	0.2	0.01	3.7	<0.1	<0.05	4	<0.5	<0.2
L6+00N 35+00W	Soil		29	0.51	100	0.117	<20	1.28	0.010	0.08	0.2	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
L6+00N 34+50W	Soil		25	0.50	105	0.113	<20	1.35	0.010	0.10	0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
L6+00N 34+00W	Soil		25	0.51	163	0.110	<20	1.68	0.014	0.08	0.1	0.08	3.9	<0.1	<0.05	5	<0.5	<0.2
L6+00N 33+50W	Soil		24	0.49	108	0.104	<20	1.36	0.009	0.05	0.1	0.01	3.2	<0.1	<0.05	4	<0.5	<0.2
L6+00N 33+00W	Soil		28	0.66	240	0.083	<20	1.90	0.026	0.10	0.2	0.05	4.1	<0.1	<0.05	4	0.7	<0.2
L6+00N 32+50W	Soil		28	0.66	77	0.126	<20	1.43	0.008	0.07	0.1	0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
L6+00N 32+00W	Soil		24	0.52	98	0.129	<20	1.18	0.013	0.09	<0.1	0.03	3.4	<0.1	<0.05	3	<0.5	<0.2
L6+00N 31+50W	Soil		27	0.56	136	0.107	<20	1.92	0.013	0.08	0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
L6+00N 31+00W	Soil		25	0.56	112	0.125	<20	1.69	0.014	0.10	0.1	0.01	3.2	<0.1	<0.05	4	<0.5	<0.2
L6+00N 30+50W	Soil		28	0.60	153	0.107	<20	2.02	0.013	0.10	0.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2

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Project: None Given
Report Date: September 05, 2017

CERTIFICATE OF ANALYSIS VAN17001779.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L6+00S 40+00W	Soil		0.6	35.3	4.1	45	0.1	14.2	10.7	377	2.28	1.5	1.0	0.8	35	<0.1	0.2	0.1	55	0.35	0.111	4
L6+00S 39+50W	Soil		0.7	32.1	4.2	53	0.1	15.6	11.9	398	2.60	2.2	1.1	1.0	30	<0.1	0.3	0.2	63	0.33	0.160	4
L6+00S 39+00W	Soil		0.5	38.9	3.2	41	<0.1	13.1	12.8	418	2.75	2.1	5.4	0.7	49	<0.1	0.3	0.2	76	0.51	0.087	4
L6+00S 38+50W	Soil		0.4	39.7	3.5	38	<0.1	13.4	12.0	392	2.69	1.9	13.4	0.9	41	<0.1	0.3	0.2	72	0.44	0.082	4
L6+00S 38+00W	Soil		0.5	25.7	3.4	40	<0.1	11.7	8.8	372	2.19	1.3	1.5	0.8	33	<0.1	0.2	0.1	59	0.37	0.067	3
L6+00S 37+50W	Soil		0.7	32.8	3.8	39	0.1	13.9	10.4	324	2.35	1.9	1.4	1.0	37	<0.1	0.2	0.2	62	0.40	0.080	5
L6+00S 37+00W	Soil		0.5	28.5	3.7	30	<0.1	11.7	9.2	192	2.26	1.7	196.7	0.7	33	<0.1	0.2	0.1	56	0.36	0.090	3
L6+00S 36+50W	Soil		0.6	37.4	4.8	35	<0.1	13.3	10.6	641	2.29	2.1	0.6	0.8	39	<0.1	0.2	0.1	59	0.44	0.090	5
L6+00S 36+00W	Soil		0.7	35.4	3.8	37	<0.1	14.0	11.0	384	2.45	1.7	1.4	0.9	43	<0.1	0.2	0.1	62	0.46	0.101	5
L6+00S 35+50W	Soil		0.3	64.5	4.9	28	0.1	14.3	9.6	528	2.35	2.1	1.8	0.9	59	<0.1	0.2	0.2	57	0.67	0.039	7
L6+00S 35+00W	Soil		0.5	28.4	3.5	35	<0.1	12.8	10.0	246	2.47	1.5	1.2	0.8	41	<0.1	0.2	0.1	65	0.39	0.127	4
L6+00S 34+50W	Soil		0.2	118.6	3.9	33	0.1	19.4	10.7	229	2.32	2.8	9.6	0.9	68	<0.1	0.6	0.1	75	0.93	0.087	8
L6+00S 34+00W	Soil		<0.1	65.9	4.4	34	<0.1	17.9	13.0	314	2.88	2.1	3.3	1.6	57	<0.1	0.2	0.1	80	0.77	0.037	9
L6+00S 33+50W	Soil		0.4	26.4	3.5	36	<0.1	11.9	8.6	292	2.25	1.3	1.0	0.9	40	<0.1	0.2	0.1	62	0.40	0.072	4
L6+00S 33+00W	Soil		0.5	25.0	3.8	33	<0.1	13.0	8.6	249	2.33	1.7	1.7	0.7	37	<0.1	0.3	0.1	62	0.39	0.073	4
L6+00S 32+50W	Soil		0.4	35.7	3.6	41	<0.1	15.6	10.6	361	2.45	1.8	9.3	1.2	54	<0.1	0.3	0.1	69	0.65	0.079	5
L6+00S 32+00W	Soil		0.1	72.0	3.7	43	<0.1	22.7	15.1	406	3.13	2.6	5.2	1.4	67	<0.1	0.3	0.1	86	0.95	0.116	9
L6+00S 31+50W	Soil		0.5	24.7	3.3	34	<0.1	11.1	9.2	283	2.26	1.5	1.5	0.7	35	<0.1	0.2	0.1	61	0.40	0.079	4
L6+00S 31+00W	Soil		0.5	23.5	3.6	38	<0.1	10.7	7.6	287	2.07	1.1	1.0	0.7	37	<0.1	0.2	0.1	58	0.39	0.055	3
L6+00S 30+50W	Soil		0.3	41.2	3.3	32	<0.1	15.4	9.7	264	2.42	1.7	2.5	1.0	39	<0.1	0.2	0.1	73	0.47	0.056	5
L8+00N 38+00W	Soil		0.4	30.1	2.9	28	<0.1	14.2	10.3	307	2.50	2.1	2.8	0.9	34	<0.1	0.3	0.1	79	0.39	0.082	4
L8+00N 37+50W	Soil		0.5	35.7	3.0	33	<0.1	16.1	11.3	305	2.60	2.2	16.1	1.0	32	<0.1	0.3	0.1	76	0.41	0.139	4
L8+00N 37+00W	Soil		0.3	36.7	2.9	30	<0.1	15.4	10.4	204	2.45	2.0	192.7	1.0	34	<0.1	0.2	0.1	68	0.43	0.130	4
L8+00N 36+50W	Soil		0.2	28.3	3.0	27	<0.1	11.3	8.5	187	2.17	1.7	0.9	0.6	36	<0.1	0.2	<0.1	69	0.43	0.048	3
L8+00N 36+00W	Soil		0.2	54.2	3.3	29	0.1	14.9	10.8	423	2.52	2.4	3.5	0.7	47	<0.1	0.3	0.1	69	0.84	0.056	6
L8+00N 35+50W	Soil		0.4	36.2	2.8	31	<0.1	11.8	11.5	232	2.43	2.5	2.0	0.7	33	<0.1	0.2	<0.1	69	0.41	0.133	3
L8+00N 35+00W	Soil		0.2	72.3	3.2	28	0.1	15.3	11.0	436	2.49	2.5	30.4	1.0	43	<0.1	0.3	<0.1	71	0.74	0.048	6
L8+00N 34+50W	Soil		0.5	44.9	3.1	40	<0.1	13.3	11.2	320	2.43	2.0	16.7	0.7	32	<0.1	0.2	<0.1	68	0.36	0.148	4
L8+00N 34+00W	Soil		0.3	64.9	3.9	27	0.1	15.5	11.2	633	2.65	2.0	3.2	0.7	46	<0.1	0.2	0.1	63	0.79	0.046	5
L8+00N 33+50W	Soil		0.1	161.1	4.0	27	0.3	24.0	14.5	664	3.11	2.9	6.6	0.8	50	<0.1	0.3	0.1	77	0.86	0.071	8

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Project: None Given
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		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L6+00S 40+00W	Soil		25	0.56	168	0.107	<20	1.84	0.014	0.11	0.2	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
L6+00S 39+50W	Soil		29	0.60	159	0.111	<20	1.96	0.011	0.09	0.3	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
L6+00S 39+00W	Soil		31	0.73	121	0.132	<20	1.38	0.011	0.11	0.2	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
L6+00S 38+50W	Soil		30	0.69	132	0.137	<20	1.55	0.012	0.16	0.2	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2
L6+00S 38+00W	Soil		25	0.54	114	0.129	<20	1.46	0.013	0.13	0.3	0.01	3.5	<0.1	<0.05	4	<0.5	<0.2
L6+00S 37+50W	Soil		29	0.57	151	0.134	<20	1.71	0.017	0.13	0.2	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
L6+00S 37+00W	Soil		24	0.49	130	0.115	<20	1.67	0.014	0.10	0.1	0.04	3.3	<0.1	<0.05	5	<0.5	<0.2
L6+00S 36+50W	Soil		26	0.54	139	0.114	<20	1.57	0.012	0.12	0.2	0.04	4.0	<0.1	<0.05	4	<0.5	<0.2
L6+00S 36+00W	Soil		30	0.63	142	0.125	<20	1.58	0.013	0.13	0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
L6+00S 35+50W	Soil		25	0.60	187	0.120	<20	2.06	0.022	0.14	0.2	0.04	4.8	<0.1	<0.05	5	<0.5	<0.2
L6+00S 35+00W	Soil		28	0.60	131	0.132	<20	1.51	0.013	0.11	0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
L6+00S 34+50W	Soil		33	0.77	171	0.109	<20	1.69	0.023	0.10	0.2	0.05	5.7	<0.1	<0.05	5	0.7	<0.2
L6+00S 34+00W	Soil		41	0.82	196	0.161	<20	2.08	0.024	0.10	0.2	0.03	7.3	<0.1	<0.05	6	<0.5	<0.2
L6+00S 33+50W	Soil		29	0.55	106	0.141	<20	1.37	0.012	0.11	0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
L6+00S 33+00W	Soil		29	0.51	102	0.131	<20	1.42	0.010	0.10	0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
L6+00S 32+50W	Soil		33	0.64	103	0.145	<20	1.37	0.014	0.16	0.1	0.03	4.6	<0.1	<0.05	4	<0.5	<0.2
L6+00S 32+00W	Soil		39	1.10	181	0.132	<20	1.87	0.023	0.10	0.2	0.04	6.7	<0.1	<0.05	5	<0.5	<0.2
L6+00S 31+50W	Soil		26	0.50	117	0.127	<20	1.28	0.013	0.10	0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
L6+00S 31+00W	Soil		25	0.49	88	0.142	<20	1.18	0.012	0.10	0.1	0.01	3.2	<0.1	<0.05	4	<0.5	<0.2
L6+00S 30+50W	Soil		32	0.65	111	0.150	<20	1.52	0.013	0.12	0.2	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
L8+00N 38+00W	Soil		32	0.53	87	0.130	<20	1.27	0.009	0.08	0.3	0.01	3.7	<0.1	<0.05	4	<0.5	<0.2
L8+00N 37+50W	Soil		31	0.57	112	0.113	<20	1.45	0.010	0.06	0.5	0.02	4.3	<0.1	<0.05	4	<0.5	<0.2
L8+00N 37+00W	Soil		31	0.51	136	0.111	<20	1.54	0.011	0.07	0.2	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
L8+00N 36+50W	Soil		26	0.46	94	0.129	<20	1.18	0.011	0.06	0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
L8+00N 36+00W	Soil		32	0.67	177	0.114	<20	1.66	0.020	0.10	0.4	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
L8+00N 35+50W	Soil		27	0.54	86	0.111	<20	1.26	0.007	0.06	0.1	<0.01	3.5	<0.1	<0.05	4	<0.5	<0.2
L8+00N 35+00W	Soil		31	0.67	163	0.127	<20	1.72	0.018	0.11	0.1	0.03	4.7	<0.1	<0.05	5	<0.5	<0.2
L8+00N 34+50W	Soil		28	0.56	110	0.107	<20	1.57	0.009	0.06	0.1	0.01	3.9	<0.1	<0.05	5	<0.5	<0.2
L8+00N 34+00W	Soil		32	0.74	137	0.107	<20	1.96	0.017	0.09	<0.1	0.02	5.1	<0.1	<0.05	5	<0.5	<0.2
L8+00N 33+50W	Soil		40	0.72	182	0.110	<20	2.32	0.018	0.09	0.1	0.05	7.4	<0.1	<0.05	6	<0.5	<0.2

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Vancouver British Columbia V6N 3T8 Canada

Project: None Given
Report Date: September 05, 2017

CERTIFICATE OF ANALYSIS VAN17001779.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L8+00N 33+00W	Soil	0.3	34.9	3.3	25	<0.1	11.2	9.8	200	2.02	1.7	16.9	0.7	37	<0.1	0.2	<0.1	62	0.44	0.104	4
L8+00N 32+50W	Soil	0.4	58.0	3.4	39	<0.1	16.5	12.8	394	2.61	2.2	1.5	0.8	35	<0.1	0.2	<0.1	71	0.39	0.112	5
L8+00N 32+00W	Soil	0.3	47.5	3.2	45	<0.1	15.5	11.3	593	2.27	1.4	44.4	0.6	29	<0.1	0.2	<0.1	63	0.31	0.077	4
L8+00N 31+50W	Soil	0.3	39.8	3.4	38	<0.1	12.2	9.4	342	2.10	1.3	2.0	0.7	34	<0.1	0.1	<0.1	63	0.36	0.054	4
L8+00N 31+00W	Soil	0.5	129.2	4.8	32	0.2	22.7	13.3	460	2.94	2.9	6.6	0.4	58	<0.1	0.3	0.1	78	1.04	0.097	7
L8+00N 30+50W	Soil	0.3	39.8	2.8	30	<0.1	12.8	8.7	298	2.07	1.3	9.0	0.5	36	<0.1	0.2	<0.1	62	0.39	0.045	5
L8+00N 30+00W	Soil	0.5	36.6	4.7	39	<0.1	13.8	9.8	536	2.15	1.3	2.5	0.5	34	<0.1	0.2	<0.1	56	0.38	0.111	3
L8+00N 29+50W	Soil	0.4	36.0	3.2	41	0.1	13.9	10.6	452	2.20	1.1	1.5	0.5	33	<0.1	0.1	<0.1	59	0.36	0.114	3
L8+00N 29+00W	Soil	0.3	36.9	3.4	33	0.1	14.3	10.0	268	2.22	1.3	0.6	0.7	30	<0.1	0.1	<0.1	56	0.34	0.121	4
L8+00N 28+50W	Soil	0.3	29.7	3.2	39	<0.1	13.1	10.7	426	2.24	1.4	1.8	0.7	29	<0.1	0.1	<0.1	56	0.35	0.127	3
L8+00S 38+00W	Soil	0.6	32.7	4.1	46	<0.1	14.8	10.9	390	2.58	1.8	2.5	0.8	32	<0.1	0.3	0.2	70	0.37	0.118	3
L8+00S 37+50W	Soil	0.4	39.8	2.5	34	<0.1	15.4	10.8	337	2.52	2.2	1.2	0.8	39	<0.1	0.3	0.1	77	0.49	0.095	5
L8+00S 37+00W	Soil	0.4	38.1	2.7	37	<0.1	15.4	11.4	376	2.52	2.4	1.6	0.8	36	<0.1	0.3	<0.1	77	0.46	0.095	4
L8+00S 36+50W	Soil	0.3	141.9	3.8	39	0.2	27.1	13.3	396	3.04	3.0	5.3	1.2	56	0.1	0.3	0.3	101	0.97	0.111	9
L8+00S 35+00W	Soil	0.5	84.2	3.9	35	<0.1	17.5	11.4	307	2.04	1.4	5.5	0.5	48	<0.1	0.3	0.1	73	0.79	0.123	6
L8+00S 34+50W	Soil	0.5	26.5	3.9	42	<0.1	14.1	9.7	429	2.40	1.2	1.3	0.8	37	<0.1	0.2	0.2	72	0.38	0.069	4
L8+00S 34+00W	Soil	0.4	28.2	3.2	35	<0.1	11.4	6.2	305	1.82	0.7	2.4	0.8	31	<0.1	0.1	0.2	52	0.35	0.039	4
L8+00S 33+50W	Soil	0.5	34.3	3.3	39	<0.1	15.2	10.4	321	2.69	1.9	1.6	1.0	42	<0.1	0.3	0.1	82	0.45	0.086	4
L8+00S 33+00W	Soil	0.5	23.0	3.8	35	<0.1	11.0	8.0	213	2.01	0.8	0.9	0.6	32	<0.1	0.2	0.1	60	0.32	0.061	3
L8+00S 32+50W	Soil	0.7	31.0	4.0	56	<0.1	16.3	9.6	697	2.28	1.4	0.7	0.8	27	<0.1	0.2	0.1	60	0.29	0.130	4
L8+00S 32+00W	Soil	0.8	23.0	4.1	49	<0.1	15.0	9.4	412	2.27	1.3	<0.5	0.7	30	<0.1	0.2	0.2	59	0.33	0.106	4
L8+00S 31+50W	Soil	0.7	21.8	3.8	44	<0.1	14.3	8.5	435	2.25	1.4	1.2	0.9	30	<0.1	0.2	0.2	61	0.36	0.100	4
L8+00S 31+00W	Soil	0.3	46.7	3.5	45	<0.1	15.2	9.4	434	2.15	1.4	26.9	1.0	48	<0.1	0.2	0.1	68	0.66	0.099	6
L8+00S 30+50W	Soil	0.3	53.7	4.8	36	0.2	17.9	11.2	537	2.51	2.4	1.7	1.0	51	<0.1	0.2	0.2	61	0.69	0.037	8
L8+00S 30+00W	Soil	0.4	30.3	3.8	33	<0.1	13.8	9.1	250	2.18	1.0	29.5	0.6	34	<0.1	0.2	0.1	60	0.38	0.052	4
L8+00S 29+50W	Soil	0.3	31.6	3.5	32	<0.1	13.9	9.4	246	2.18	1.5	2.6	0.8	34	<0.1	0.2	0.1	56	0.38	0.058	4
L8+00S 29+00W	Soil	0.5	35.5	3.9	38	<0.1	13.4	10.2	424	2.36	1.7	6.0	0.9	33	<0.1	0.2	0.1	60	0.39	0.081	4
L8+00S 28+50W	Soil	0.5	33.5	3.9	38	0.1	13.1	10.5	363	2.47	1.5	36.0	0.8	33	<0.1	0.2	0.1	61	0.36	0.107	3
L10+00S 38+00W	Soil	0.8	21.3	3.7	35	<0.1	11.8	9.7	446	2.26	1.4	1.8	0.7	38	<0.1	0.3	0.2	59	0.44	0.074	3
L10+00S 37+50W	Soil	0.5	33.1	3.7	40	<0.1	13.2	10.5	382	2.57	1.9	4.8	0.9	37	<0.1	0.3	0.2	73	0.44	0.058	4

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Project: None Given
Report Date: September 05, 2017

CERTIFICATE OF ANALYSIS VAN17001779.1

Method		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L8+00N 33+00W	Soil	27	0.49	103	0.113	<20	1.23	0.010	0.07	0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
L8+00N 32+50W	Soil	31	0.62	115	0.117	<20	1.84	0.013	0.10	0.2	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
L8+00N 32+00W	Soil	28	0.59	108	0.110	<20	1.75	0.013	0.09	<0.1	0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
L8+00N 31+50W	Soil	27	0.62	85	0.126	<20	1.48	0.013	0.08	<0.1	<0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
L8+00N 31+00W	Soil	44	0.88	170	0.081	<20	2.69	0.017	0.11	0.1	0.10	8.4	<0.1	<0.05	6	<0.5	<0.2
L8+00N 30+50W	Soil	29	0.54	90	0.116	<20	1.45	0.014	0.10	<0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
L8+00N 30+00W	Soil	27	0.51	112	0.095	<20	1.65	0.012	0.09	0.3	0.05	3.2	<0.1	<0.05	5	<0.5	<0.2
L8+00N 29+50W	Soil	30	0.59	103	0.102	<20	1.54	0.013	0.11	<0.1	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
L8+00N 29+00W	Soil	27	0.54	126	0.104	<20	1.71	0.011	0.09	0.1	0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
L8+00N 28+50W	Soil	26	0.52	131	0.100	<20	1.64	0.011	0.10	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
L8+00S 38+00W	Soil	29	0.60	119	0.119	<20	1.71	0.011	0.10	0.2	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
L8+00S 37+50W	Soil	30	0.61	104	0.124	<20	1.22	0.011	0.09	0.2	0.06	4.5	<0.1	<0.05	4	<0.5	<0.2
L8+00S 37+00W	Soil	30	0.62	102	0.118	<20	1.33	0.010	0.08	0.1	0.02	4.1	<0.1	<0.05	4	<0.5	<0.2
L8+00S 36+50W	Soil	53	0.88	240	0.107	<20	2.73	0.022	0.07	0.1	0.07	11.5	0.1	<0.05	7	<0.5	<0.2
L8+00S 35+00W	Soil	33	0.75	119	0.073	<20	1.43	0.013	0.06	8.1	0.08	5.8	<0.1	0.05	4	<0.5	<0.2
L8+00S 34+50W	Soil	30	0.58	122	0.141	<20	1.61	0.013	0.12	0.1	<0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
L8+00S 34+00W	Soil	25	0.51	88	0.129	<20	1.39	0.015	0.09	0.1	0.01	3.7	<0.1	<0.05	4	<0.5	<0.2
L8+00S 33+50W	Soil	34	0.64	91	0.157	<20	1.48	0.010	0.10	0.2	0.01	4.0	<0.1	<0.05	5	<0.5	<0.2
L8+00S 33+00W	Soil	25	0.43	81	0.125	<20	1.35	0.010	0.06	0.1	0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
L8+00S 32+50W	Soil	27	0.47	136	0.106	<20	1.93	0.013	0.07	0.1	0.03	3.4	<0.1	<0.05	6	<0.5	<0.2
L8+00S 32+00W	Soil	29	0.46	143	0.116	<20	1.53	0.013	0.09	0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
L8+00S 31+50W	Soil	30	0.52	118	0.126	<20	1.46	0.013	0.10	0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
L8+00S 31+00W	Soil	33	0.73	108	0.135	<20	1.48	0.017	0.12	0.1	0.03	4.8	<0.1	<0.05	4	<0.5	<0.2
L8+00S 30+50W	Soil	32	0.68	160	0.129	<20	2.14	0.024	0.14	0.1	0.03	5.4	<0.1	<0.05	6	<0.5	<0.2
L8+00S 30+00W	Soil	27	0.55	107	0.130	<20	1.51	0.014	0.12	0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
L8+00S 29+50W	Soil	27	0.56	110	0.123	<20	1.41	0.014	0.12	0.1	0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
L8+00S 29+00W	Soil	28	0.57	127	0.117	<20	1.60	0.011	0.10	0.4	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
L8+00S 28+50W	Soil	28	0.61	131	0.118	<20	1.63	0.012	0.09	0.2	0.05	3.4	<0.1	<0.05	5	<0.5	<0.2
L10+00S 38+00W	Soil	27	0.53	120	0.132	<20	1.28	0.014	0.13	0.5	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
L10+00S 37+50W	Soil	30	0.65	120	0.145	<20	1.47	0.013	0.11	0.2	0.01	4.2	<0.1	<0.05	4	<0.5	<0.2

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Project: None Given
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	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L10+00S 37+00W	Soil	0.6	36.0	3.6	42	<0.1	13.0	10.2	682	2.40	1.8	10.1	0.8	38	<0.1	0.2	0.2	66	0.47	0.059	5
L10+00S 36+50W	Soil	0.4	39.3	3.7	39	<0.1	14.9	12.2	477	2.44	2.1	1.8	0.9	40	<0.1	0.2	0.2	66	0.46	0.088	5
L10+00S 36+00W	Soil	0.5	106.6	3.5	37	0.1	19.3	10.7	410	2.31	2.0	14.3	0.4	57	0.1	0.3	0.1	70	1.09	0.117	7
L10+00S 35+50W	Soil	0.5	22.4	3.9	32	<0.1	11.6	9.9	323	2.24	1.3	3.6	0.8	34	<0.1	0.2	0.2	61	0.39	0.091	3
L10+00S 35+00W	Soil	0.5	37.3	4.3	38	<0.1	14.5	8.1	273	2.13	1.2	2.9	0.9	37	<0.1	0.2	0.2	59	0.46	0.060	5
L10+00S 34+50W	Soil	0.5	21.5	3.2	32	<0.1	9.5	7.7	334	1.99	1.1	0.7	0.7	35	<0.1	0.2	0.2	60	0.41	0.063	4
L10+00S 34+00W	Soil	0.4	29.5	3.6	42	<0.1	13.3	9.6	327	2.39	1.7	<0.5	1.2	35	<0.1	0.2	0.2	62	0.45	0.145	4
L10+00S 33+50W	Soil	0.4	66.7	3.3	47	<0.1	20.5	12.8	564	3.08	3.1	2.8	1.3	59	<0.1	0.3	0.3	87	0.72	0.142	7
L10+00S 33+00W	Soil	0.4	29.4	3.9	43	<0.1	13.3	8.8	312	2.39	1.5	<0.5	0.9	40	<0.1	0.3	0.2	64	0.39	0.064	4
L10+00S 32+50W	Soil	0.2	29.5	3.8	33	<0.1	11.8	8.7	190	2.20	1.5	44.7	0.8	45	<0.1	0.2	0.2	61	0.53	0.052	5
L10+00S 32+00W	Soil	0.3	40.3	4.2	36	<0.1	14.8	8.3	246	2.15	1.5	2.9	0.9	37	<0.1	0.2	0.1	56	0.42	0.045	5
L10+00S 31+50W	Soil	0.6	24.0	3.8	31	0.1	11.5	8.4	432	2.01	1.3	3.6	0.5	35	<0.1	0.2	<0.1	50	0.38	0.056	3
L10+00S 31+00W	Soil	0.5	31.6	3.9	44	0.1	13.5	9.2	336	2.27	1.8	5.8	0.7	31	<0.1	0.2	0.1	52	0.34	0.110	4
L10+00S 30+50W	Soil	0.3	22.4	3.9	43	<0.1	11.5	7.8	298	1.97	1.1	1.5	0.5	31	<0.1	0.2	0.1	53	0.32	0.039	3
L10+00S 30+00W	Soil	0.4	31.9	3.9	43	0.1	14.3	9.9	280	2.45	1.7	5.0	1.1	30	<0.1	0.2	0.1	57	0.33	0.144	3
L10+00S 29+50W	Soil	0.5	30.9	4.3	45	0.1	12.7	8.2	500	2.15	1.7	2.3	0.7	33	<0.1	0.2	0.1	54	0.38	0.075	4
L10+00S 29+00W	Soil	0.3	62.6	8.5	33	0.1	14.8	9.5	366	2.34	2.3	1.2	0.8	50	<0.1	0.2	0.1	57	0.64	0.044	7
L10+00S 28+50W	Soil	0.5	42.5	3.3	34	<0.1	13.2	10.7	404	2.44	2.3	6.2	0.9	40	<0.1	0.2	<0.1	60	0.47	0.100	4

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Client: **Max Investment Inc.**
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Project: None Given
Report Date: September 05, 2017

CERTIFICATE OF ANALYSIS VAN17001779.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L10+00S 37+00W	Soil		27	0.60	116	0.125	<20	1.51	0.012	0.13	0.3	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
L10+00S 36+50W	Soil		29	0.61	156	0.106	<20	1.63	0.012	0.08	0.4	0.04	4.7	<0.1	<0.05	5	<0.5	<0.2
L10+00S 36+00W	Soil		37	0.75	155	0.080	<20	2.03	0.013	0.07	0.1	0.12	7.3	<0.1	<0.05	5	<0.5	<0.2
L10+00S 35+50W	Soil		25	0.51	124	0.121	<20	1.50	0.012	0.10	0.5	0.01	3.2	<0.1	<0.05	4	<0.5	<0.2
L10+00S 35+00W	Soil		27	0.58	109	0.136	<20	1.75	0.016	0.11	0.2	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
L10+00S 34+50W	Soil		23	0.47	97	0.124	<20	1.20	0.010	0.10	0.3	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
L10+00S 34+00W	Soil		25	0.48	152	0.110	<20	1.79	0.011	0.10	0.1	0.01	4.3	<0.1	<0.05	5	<0.5	<0.2
L10+00S 33+50W	Soil		46	1.14	117	0.159	<20	1.86	0.013	0.13	0.3	0.04	6.8	<0.1	<0.05	6	<0.5	<0.2
L10+00S 33+00W	Soil		28	0.60	130	0.138	<20	1.55	0.013	0.10	0.2	0.01	3.9	<0.1	<0.05	5	<0.5	<0.2
L10+00S 32+50W	Soil		27	0.59	117	0.137	<20	1.46	0.014	0.09	0.2	0.01	4.3	<0.1	<0.05	4	<0.5	<0.2
L10+00S 32+00W	Soil		26	0.58	121	0.136	<20	1.55	0.018	0.13	0.1	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
L10+00S 31+50W	Soil		24	0.49	114	0.109	<20	1.28	0.011	0.10	0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
L10+00S 31+00W	Soil		25	0.49	153	0.105	<20	1.66	0.012	0.09	0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
L10+00S 30+50W	Soil		22	0.45	95	0.118	<20	1.49	0.013	0.08	<0.1	<0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
L10+00S 30+00W	Soil		27	0.51	139	0.103	<20	1.75	0.012	0.10	0.2	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
L10+00S 29+50W	Soil		25	0.48	135	0.109	<20	1.54	0.011	0.09	0.1	<0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
L10+00S 29+00W	Soil		26	0.49	168	0.109	<20	1.80	0.016	0.11	0.2	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
L10+00S 28+50W	Soil		29	0.64	151	0.112	<20	1.58	0.011	0.13	0.2	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2

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Project: None Given
Report Date: September 05, 2017

QUALITY CONTROL REPORT VAN17001779.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
L2+00N 34+50W	Soil	0.4	26.2	2.8	29	<0.1	12.1	9.3	279	2.32	1.5	1.5	0.8	35	<0.1	0.3	0.1	65	0.42	0.087	4
REP L2+00N 34+50W	QC	0.5	26.6	2.8	28	<0.1	12.5	9.4	299	2.28	1.4	1.4	0.8	36	<0.1	0.2	0.1	66	0.42	0.085	4
L4+00N 36+50W	Soil	0.3	64.3	4.3	35	0.1	19.2	10.9	429	2.70	2.7	5.1	1.3	41	<0.1	0.3	0.2	70	0.63	0.043	7
REP L4+00N 36+50W	QC	0.2	64.5	4.2	36	0.1	19.3	10.4	424	2.60	2.7	5.8	1.3	40	<0.1	0.3	0.2	70	0.62	0.043	7
L6+00N 38+50W	Soil	0.5	43.9	4.2	47	0.1	21.0	11.4	417	2.57	2.1	2.5	1.0	33	<0.1	0.3	0.1	64	0.32	0.105	5
REP L6+00N 38+50W	QC	0.5	41.8	4.2	48	0.1	19.9	11.4	418	2.48	2.3	2.1	1.1	33	<0.1	0.3	0.2	64	0.34	0.109	5
L6+00S 30+50W	Soil	0.3	41.2	3.3	32	<0.1	15.4	9.7	264	2.42	1.7	2.5	1.0	39	<0.1	0.2	0.1	73	0.47	0.056	5
REP L6+00S 30+50W	QC	0.3	41.0	3.3	33	<0.1	16.2	9.6	260	2.38	1.6	4.3	0.9	40	<0.1	0.3	0.1	73	0.49	0.055	5
L8+00S 29+50W	Soil	0.3	31.6	3.5	32	<0.1	13.9	9.4	246	2.18	1.5	2.6	0.8	34	<0.1	0.2	0.1	56	0.38	0.058	4
REP L8+00S 29+50W	QC	0.3	33.1	3.5	33	<0.1	13.9	9.2	244	2.16	1.5	3.9	0.8	35	<0.1	0.2	0.1	58	0.38	0.062	4
Reference Materials																					
STD DS11	Standard	13.9	161.7	146.9	355	1.7	79.8	13.3	1007	3.15	45.6	53.6	8.5	71	3.0	8.6	12.2	54	1.04	0.073	19
STD DS11	Standard	13.0	150.1	136.2	330	1.5	77.1	13.5	1003	3.11	41.2	50.2	7.5	67	2.2	7.8	12.2	48	1.02	0.070	18
STD DS11	Standard	12.5	141.8	135.9	337	1.7	79.2	13.9	1006	3.00	41.7	43.7	7.2	62	2.3	7.9	11.5	52	0.98	0.071	17
STD DS11	Standard	12.5	139.8	135.3	328	1.7	78.7	13.4	980	2.95	39.6	67.0	7.0	61	2.1	7.2	11.0	50	1.00	0.068	17
STD DS11	Standard	12.7	141.6	137.6	334	2.2	80.9	13.5	976	2.97	40.7	76.4	7.1	61	2.3	7.1	11.1	53	1.01	0.071	18
STD DS11	Standard	13.5	152.7	135.3	340	1.7	80.2	13.9	1026	3.25	44.9	56.5	8.0	66	2.3	7.7	12.1	50	1.07	0.069	18
STD DS11	Standard	12.6	149.3	134.1	346	1.7	79.7	14.2	1057	3.18	44.3	80.1	7.5	71	2.6	8.8	12.1	50	1.05	0.075	18
STD OREAS45EA	Standard	1.7	646.8	14.0	31	0.2	345.5	46.9	374	22.36	11.5	56.4	10.6	4	<0.1	0.4	0.3	273	0.04	0.027	7
STD OREAS45EA	Standard	1.4	619.3	13.7	29	0.2	349.3	47.7	370	21.70	10.3	49.9	9.0	4	<0.1	0.3	0.2	245	0.03	0.025	7
STD OREAS45EA	Standard	1.5	646.2	13.1	27	0.2	352.6	49.1	365	20.69	10.3	45.9	9.9	3	<0.1	0.3	0.2	291	0.03	0.028	6
STD OREAS45EA	Standard	1.6	613.4	12.9	27	0.2	340.8	48.9	368	20.58	10.4	42.6	9.4	3	<0.1	0.4	0.3	276	0.03	0.027	6
STD OREAS45EA	Standard	1.4	643.0	13.0	29	0.2	350.6	48.3	380	20.95	10.4	43.0	9.2	3	<0.1	0.3	0.2	293	0.03	0.027	6
STD OREAS45EA	Standard	1.6	611.7	13.4	29	0.2	353.2	48.2	389	22.20	11.4	56.1	9.7	4	<0.1	0.3	0.3	244	0.03	0.028	7
STD OREAS45EA Expected		1.6	709	14.3	31.4	0.26	381	52	400	23.51	10.3	53	10.7	3.5	0.03	0.32	0.26	303	0.036	0.029	7.06
STD DS11 Expected		13.9	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701	18.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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Project: None Given
Report Date: September 05, 2017

QUALITY CONTROL REPORT VAN17001779.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
L2+00N 34+50W	Soil	28	0.52	103	0.115	<20	1.20	0.009	0.09	0.2	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
REP L2+00N 34+50W	QC	30	0.51	105	0.116	<20	1.19	0.010	0.09	0.2	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
L4+00N 36+50W	Soil	38	0.67	189	0.127	<20	2.07	0.017	0.11	0.2	0.08	6.6	<0.1	<0.05	6	<0.5	<0.2
REP L4+00N 36+50W	QC	38	0.64	188	0.126	<20	2.00	0.015	0.11	0.1	0.07	6.4	<0.1	<0.05	6	<0.5	<0.2
L6+00N 38+50W	Soil	30	0.56	159	0.112	<20	1.97	0.013	0.06	1.0	0.03	3.8	<0.1	<0.05	6	<0.5	<0.2
REP L6+00N 38+50W	QC	30	0.60	157	0.114	<20	2.01	0.013	0.07	0.2	0.03	4.2	<0.1	<0.05	6	<0.5	<0.2
L6+00S 30+50W	Soil	32	0.65	111	0.150	<20	1.52	0.013	0.12	0.2	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
REP L6+00S 30+50W	QC	33	0.63	110	0.154	<20	1.48	0.014	0.11	0.1	0.03	4.7	<0.1	<0.05	4	<0.5	<0.2
L8+00S 29+50W	Soil	27	0.56	110	0.123	<20	1.41	0.014	0.12	0.1	0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
REP L8+00S 29+50W	QC	28	0.60	113	0.127	<20	1.58	0.015	0.13	0.1	0.01	3.5	<0.1	<0.05	4	<0.5	<0.2
Reference Materials																	
STD DS11	Standard	59	0.87	443	0.100	<20	1.13	0.067	0.41	3.2	0.26	3.2	5.1	0.30	5	2.3	5.1
STD DS11	Standard	58	0.83	425	0.097	<20	1.09	0.072	0.39	2.8	0.25	3.0	4.8	0.26	5	1.8	4.4
STD DS11	Standard	59	0.79	400	0.088	<20	1.03	0.062	0.36	3.1	0.25	3.0	4.7	0.23	5	2.4	4.3
STD DS11	Standard	58	0.80	390	0.085	<20	1.03	0.065	0.36	2.8	0.22	2.9	4.6	0.22	4	2.4	4.5
STD DS11	Standard	59	0.81	400	0.093	<20	1.11	0.069	0.39	2.7	0.24	3.0	4.7	0.25	5	1.9	4.6
STD DS11	Standard	58	0.85	410	0.096	<20	1.06	0.073	0.39	3.1	0.28	3.3	5.0	0.27	5	1.9	4.7
STD DS11	Standard	58	0.80	419	0.093	<20	1.04	0.072	0.41	2.7	0.32	3.3	5.0	0.27	5	2.0	4.9
STD OREAS45EA	Standard	758	0.10	142	0.097	<20	2.81	0.018	0.05	<0.1	0.02	75.7	<0.1	<0.05	13	1.2	<0.2
STD OREAS45EA	Standard	728	0.09	131	0.095	<20	2.79	0.018	0.05	<0.1	<0.01	71.8	<0.1	<0.05	11	1.6	<0.2
STD OREAS45EA	Standard	834	0.09	130	0.093	<20	2.83	0.020	0.05	<0.1	<0.01	71.9	<0.1	<0.05	12	1.4	<0.2
STD OREAS45EA	Standard	828	0.09	124	0.089	<20	2.70	0.019	0.04	<0.1	<0.01	71.9	<0.1	<0.05	11	1.6	<0.2
STD OREAS45EA	Standard	840	0.10	126	0.096	<20	2.89	0.021	0.05	<0.1	<0.01	69.8	<0.1	<0.05	12	1.3	<0.2
STD OREAS45EA	Standard	746	0.09	133	0.096	<20	2.82	0.018	0.05	<0.1	<0.01	73.1	<0.1	<0.05	12	1.1	<0.2
STD OREAS45EA Expected		849	0.095	148	0.0984		3.13	0.02	0.053			78	0.072	0.036	12.4	0.78	0.07
STD DS11 Expected		61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	0.3	3.1	4.9	0.2835	4.7	1.9	4.56
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Client: **Max Investment Inc.**
3750 West 49th Ave
Vancouver British Columbia V6N 3T8 Canada

Project: None Given

Report Date: September 05, 2017

QUALITY CONTROL REPORT VAN17001779.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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Client: **Max Investment Inc.**
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Report Date: September 05, 2017

QUALITY CONTROL REPORT VAN17001779.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

APPENDIX 'B'

CERTIFICATE of QUALIFICATION

I, Tom Dyakowski, of 3750 West 49th Avenue in the City of Vancouver, Province of British Columbia do hereby certify:

That I am a consulting geologist with business address at 3750 West 49th Avenue, Vancouver, British Columbia;

That I am a graduate of the University of British Columbia where I obtained my Bachelor of Science degree in Geology in 2012;

That I have been engaged in the study and practice of geology for over 5 years;

That this report is based on data available in the literature and on exploration conducted personally by me on the Melba property during the following times: May 22 to June 3, July 26 and 27,and August 10 to 16, 2017;

That I am independent of the Melba property; and

That John Ostler; M.Sc., P.Geo. and I are the authors of this report and all sources of information not based on our personal knowledge of the Melba property area are referenced in a standard format. In our opinion, the record of previous exploration on the Melba property areas is reasonably accurate and correct.

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Tom Dyakowski, B.Sc.
Consulting Geologist

West Vancouver, British Columbia
October 17, 2017

CERTIFICATE of QUALIFICATION

I, John Ostler, of 1015 Clyde Avenue in the City of West Vancouver, Province of British Columbia do hereby certify:

That I am a consulting geologist with business address at 1015 Clyde Avenue, West Vancouver, British Columbia;

That I am a graduate of the University of Guelph in Ontario where I obtained my Bachelor of Arts degree in Geography (Geomorphology) and Geology in 1973, and that I am a graduate of Carleton University of Ottawa, Ontario where I obtained my Master of Science degree in Geology in 1977; that I am registered as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of British Columbia;

That I have been engaged in the study and practice of the geological profession for over 40 years;

That this report is based on data available in the literature and on exploration conducted personally by me on the Melba property during the following time: July 26 and 27, 2017;

That I am independent of the Melba property and of Essex Minerals Inc., and;

That Thomas Dyakowski, B.Sc. and I are the authors of this report and all sources of information not based on our personal knowledge of the Melba property area are referenced in a standard format. In our opinion, the record of previous exploration on the Melba property areas is reasonably accurate and correct.
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John Ostler; M.Sc., P.Geo.
Consulting Geologist

West Vancouver, British Columbia
October 17, 2017

APPENDIX ‘C’
Total Metal Ion Soil Sample Locations and Descriptions

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
8+00 N. 0+00 W.	5,598,800 N., 676,900 E.	Standard soil	Light clay dry 30cm
8+00 N. 0+50 W.	5,598,800 N., 676,850 E.	Standard soil	Light clay dry 30cm
8+00 N. 1+00 W.	5,598,800 N., 676,800 E.	Standard soil	Light clay dry 30cm
8+00 N. 1+50 W.	5,598,800 N., 676,750 E.	Standard soil	Light clay dry 30cm
8+00 N. 2+00 W.	5,598,800 N., 676,700 E.	Standard soil	Light clay dry 30cm
8+00 N. 2+50 W.	5,598,800 N., 676,650 E.	Standard soil	Light clay dry 30cm
8+00 N. 3+00 W.	5,598,800 N., 676,600 E.	Standard soil	Light clay moist 30cm
8+00 N. 3+50 W.	5,598,800 N., 676,550 E.	Standard soil	Light silty dry 30cm
8+00 N. 4+00 W.	5,598,800 N., 676,500 E.	Standard soil	Light silty dry 30cm
8+00 N. 4+50 W.	5,598,800 N., 676,450 E.	Standard soil	Light silty dry 30cm - Disturbed
8+00 N. 5+00 W.	5,598,800 N., 676,400 E.	Standard soil	Light silty dry 30cm
8+00 N. 5+50 W.	5,598,800 N., 676,350 E.	Standard soil	Light clay damp 30cm
8+00 N. 6+00 W.	5,598,800 N., 676,300 E.	Standard soil	Light silty dry 30cm
8+00 N. 6+50 W.	5,598,800 N., 676,250 E.	Standard soil	Light silty dry 30cm
8+00 N. 7+00 W.	5,598,800 N., 676,200 E.	Standard soil	Light clay dry 30cm
8+00 N. 7+50 W.	5,598,800 N., 676,150 E.	Standard soil	Light clay moist 30cm
8+00 N. 8+00 W.	5,598,800 N., 676,100 E.	Standard soil	Light clay moist 30cm
8+00 N. 8+50 W.	5,598,800 N., 676,050 E.	Standard soil	Light clay wet 30cm
8+00 N. 9+00 W.	5,598,800 N., 676,000 E.	Standard soil	Light clay dry 30cm
8+00 N. 9+50 W.	5,598,800 N., 675,950 E.	Standard soil	Light clay dry 30cm
8+00 N. 10+00 W.	5,598,800 N., 675,900 E.	Standard soil	Light clay dry 30cm
8+00 N. 10+50 W.	5,598,800 N., 675,850 E.	Standard soil	Light clay dry 30cm
8+00 N. 11+00 W.	5,598,800 N., 675,800 E.	N/A	No sample Lake
8+00 N. 11+50 W.	5,598,800 N., 675,750 E.	N/A	No sample Lake
8+00 N. 12+00 W.	5,598,800 N., 675,700 E.	N/A	No sample Lake
8+00 N. 12+50 W.	5,598,800 N., 675,650 E.	Standard soil	Light clay dry 30cm
8+00 N. 13+00 W.	5,598,800 N., 675,600 E.	Standard soil	Light clay dry 30cm
8+00 N. 13+50 W.	5,598,800 N., 675,550 E.	Standard soil	Light clay dry 30cm
8+00 N. 14+00 W.	5,598,800 N., 675,500 E.	Standard soil	Light clay dry 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
8+00 N. 14+50 W.	5,598,800 N., 675,450 E.	Standard soil	Light clay dry 30cm
8+00 N. 15+00 W.	5,598,800 N., 675,400 E.	Standard soil	Light clay dry 30cm
8+00 N. 15+50 W.	5,598,800 N., 675,350 E.	Standard soil	Light clay dry 30cm
8+00 N. 16+00 W.	5,598,800 N., 675,300 E.	Standard soil	Light clay dry 30cm
8+00 N. 16+50 W.	5,598,800 N., 675,250 E.	Standard soil	Light clay moist 30cm
8+00 N. 17+00 W.	5,598,800 N., 675,200 E.	Standard soil	Light clay damp 30cm
8+00 N. 17+50 W.	5,598,800 N., 675,150 E.	Standard soil	Dark clay moist 30cm
8+00 N. 18+00 W.	5,598,800 N., 675,100 E.	Standard soil	Med clay dry 30cm
8+00 N. 18+50 W.	5,598,800 N., 675,050 E.	Standard soil	Dark clay moist 30cm
8+00 N. 19+00 W.	5,598,800 N., 675,000 E.	Standard soil	Medium clay dry 30cm
8+00 N. 19+50 W.	5,598,800 N., 674,950 E.	Standard soil	Light clay dry 30cm
8+00 N. 20+00 W.	5,598,800 N., 674,900 E.	Standard soil	Light clay dry 30cm
8+00 N. 20+50 W.	5,598,800 N., 674,850 E.	Standard soil	Light clay dry 30cm
8+00 N. 21+00 W.	5,598,800 N., 674,800 E.	Standard soil	Light clay dry 30cm - Disturbed
8+00 N. 21+50 W.	5,598,800 N., 674,750 E.	Standard soil	Light clay dry 30cm - Disturbed
8+00 N. 22+00 W.	5,598,800 N., 674,700 E.	Standard soil	Light clay dry 30cm
8+00 N. 22+50 W.	5,598,800 N., 674,650 E.	Standard soil	Medium clay dry 30cm
8+00 N. 23+00 W.	5,598,800 N., 674,600 E.	Standard soil	Medium clay moist 30cm
8+00 N. 23+50 W.	5,598,800 N., 674,550 E.	Standard soil	Dark clay moist 30cm
8+00 N. 24+00 W.	5,598,800 N., 674,500 E.	Standard soil	Medium clay dry 30cm
8+00 N. 24+50 W.	5,598,800 N., 674,450 E.	Standard soil	Dark clay wet 30cm
8+00 N. 25+00 W.	5,598,800 N., 674,400 E.	Standard soil	Dark clay moist 30cm
8+00 N. 25+50 W.	5,598,800 N., 674,350 E.	Standard soil	Dark clay wet 30cm
8+00 N. 26+00 W.	5,598,800 N., 674,300 E.	Standard soil	Medium clay damp 30cm
8+00 N. 26+50 W.	5,598,800 N., 674,250 E.	Standard soil	Medium clay damp 30cm
8+00 N. 27+00 W.	5,598,800 N., 674,200 E.	Standard soil	Medium clay damp 30cm
8+00 N. 27+50 W.	5,598,800 N., 674,150 E.	Standard soil	Medium clay damp 30cm
8+00 N. 28+00 W.	5,598,800 N., 674,100 E.	Standard soil	Medium clay damp 30cm
8+00 N. 28+50 W.	5,598,800 N., 674,050 E.	Standard soil	Light silty dry 30cm
8+00 N. 29+00 W.	5,598,800 N., 674,000 E.	Standard soil	Light silty dry 30cm
8+00 N. 29+50 W.	5,598,800 N., 673,950 E.	Standard soil	Light silty dry 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
8+00 N. 30+00 W.	5,598,800 N., 673,900 E.	Standard soil	Light silty dry 30cm
8+00 N. 30+50 W.	5,598,800 N., 673,850 E.	Standard soil	Light silty dry 30cm
8+00 N. 31+00 W.	5,598,800 N., 673,800 E.	Standard soil	Dark silty dry 30cm
8+00 N. 31+50 W.	5,598,800 N., 673,750 E.	Standard soil	Light clay dry 30cm
8+00 N. 32+00 W.	5,598,800 N., 673,700 E.	Standard soil	Light clay dry 30cm
8+00 N. 32+50 W.	5,598,800 N., 673,650 E.	Standard soil	Light clay dry 30cm
8+00 N. 33+00 W.	5,598,800 N., 673,600 E.	Standard soil	Light clay dry 30cm
8+00 N. 33+50 W.	5,598,800 N., 673,550 E.	Standard soil	Dark silty dry 30cm
8+00 N. 34+00 W.	5,598,800 N., 673,500 E.	Standard soil	Dark silty dry 30cm
8+00 N. 34+50 W.	5,598,800 N., 673,450 E.	Standard soil	Light silty moist 30cm
8+00 N. 35+00 W.	5,598,800 N., 673,400 E.	Standard soil	Dark clay moist 30cm
8+00 N. 35+50 W.	5,598,800 N., 673,350 E.	Standard soil	Dark clay damp 30cm
8+00 N. 36+00 W.	5,598,800 N., 673,300 E.	Standard soil	Dark clay damp 30cm
8+00 N. 36+50 W.	5,598,800 N., 673,250 E.	Standard soil	Light silty dry 30cm
8+00 N. 37+00 W.	5,598,800 N., 673,200 E.	Standard soil	Light silty dry 30cm
8+00 N. 37+50 W.	5,598,800 N., 673,150 E.	Standard soil	Light silty dry 30cm
8+00 N. 38+00 W.	5,598,800 N., 673,100 E.	Standard soil	Light silty dry 30cm
6+00 N. 00+00 W.	5,598,600 N., 676,900 E.	Standard soil	Light clay dry 30cm
6+00 N. 00+50 W.	5,598,600 N., 676,850 E.	Standard soil	Light silty dry 30cm
6+00 N. 01+00 W.	5,598,600 N., 676,800 E.	Standard soil	Medium clay damp 30cm
6+00 N. 01+50 W.	5,598,600 N., 676,750 E.	Standard soil	Medium clay damp 30cm
6+00 N. 02+00 W.	5,598,600 N., 676,700 E.	Standard soil	Medium clay damp 30cm
6+00 N. 02+50 W.	5,598,600 N., 676,650 E.	Standard soil	Medium clay damp 30cm
6+00 N. 03+00 W.	5,598,600 N., 676,600 E.	Standard soil	Medium clay dry 30cm
6+00 N. 03+50 W.	5,598,600 N., 676,550 E.	Standard soil	Medium clay dry 30cm
6+00 N. 04+00 W.	5,598,600 N., 676,500 E.	Standard soil	Clay light dry 30cm - Disturbed
6+00 N. 04+50 W.	5,598,600 N., 676,450 E.	Standard soil	Clay light dry 30cm
6+00 N. 05+00 W.	5,598,600 N., 676,400 E.	Standard soil	Clay light dry 30cm
6+00 N. 05+50 W.	5,598,600 N., 676,350 E.	Standard soil	Clay light dry 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
6+00 N. 06+00 W.	5,598,600 N., 676,300 E.	Standard soil	Clay light dry 30cm
6+00 N. 06+50 W.	5,598,600 N., 676,250 E.	Standard soil	Clay light dry 30cm
6+00 N. 07+00 W.	5,598,600 N., 676,200 E.	Standard soil	Medium clay damp 30cm
6+00 N. 07+50 W.	5,598,600 N., 676,150 E.	Standard soil	Medium silty moist 30cm
6+00 N. 08+00 W.	5,598,600 N., 676,100 E.	Standard soil	Medium silty damp 30cm
6+00 N. 08+50 W.	5,598,600 N., 676,050 E.	Standard soil	Medium silty damp 30cm
6+00 N. 09+00 W.	5,598,600 N., 676,000 E.	Standard soil	Light silty dry 30cm
6+00 N. 09+50 W.	5,598,600 N., 675,950 E.	Standard soil	Light silty dry 30cm
6+00 N. 10+00 W.	5,598,600 N., 675,900 E.	Standard soil	Medium clay damp 30cm
6+00 N. 10+50 W.	5,598,600 N., 675,850 E.	Standard soil	Medium clay damp 30cm
6+00 N. 11+00 W.	5,598,600 N., 675,800 E.	Standard soil	Light clay wet 30cm
6+00 N. 11+50 W.	5,598,600 N., 675,750 E.	Standard soil	Medium clay damp 30cm
6+00 N. 12+00 W.	5,598,600 N., 675,700 E.	Standard soil	Medium clay dry 30cm
6+00 N. 12+50 W.	5,598,600 N., 675,650 E.	Standard soil	Medium clay dry 30cm
6+00 N. 13+00 W.	5,598,600 N., 675,600 E.	Standard soil	Light clay moist 30cm
6+00 N. 13+50 W.	5,598,600 N., 675,550 E.	Standard soil	Light clay moist 30cm
6+00 N. 14+00 W.	5,598,600 N., 675,500 E.	Standard soil	Light clay moist 30cm
6+00 N. 14+50 W.	5,598,600 N., 675,450 E.	Standard soil	Light clay moist 30cm
6+00 N. 15+00 W.	5,598,600 N., 675,400 E.	Standard soil	Light clay moist 30cm
6+00 N. 15+50 W.	5,598,600 N., 675,350 E.	Standard soil	Light clay moist 30cm
6+00 N. 16+00 W.	5,598,600 N., 675,300 E.	Standard soil	Light clay dry 30cm
6+00 N. 16+50 W.	5,598,600 N., 675,250 E.	Standard soil	Light clay dry 30cm
6+00 N. 17+00 W.	5,598,600 N., 675,200 E.	Standard soil	Light clay dry 30cm
6+00 N. 17+50 W.	5,598,600 N., 675,150 E.	Standard soil	Light clay dry 30cm
6+00 N. 18+00 W.	5,598,600 N., 675,100 E.	Standard soil	Medium clay moist 30cm
6+00 N. 18+50 W.	5,598,600 N., 675,050 E.	N/A	No sample Bog
6+00 N. 19+00 W.	5,598,600 N., 675,000 E.	Standard soil	Dark clay moist 30cm
6+00 N. 19+50 W.	5,598,600 N., 674,950 E.	Standard soil	Light clay moist 30cm
6+00 N. 20+00 W.	5,598,600 N., 674,900 E.	Standard soil	Light clay dry 30cm
6+00 N. 20+50 W.	5,598,600 N., 674,850 E.	Standard soil	Light clay dry 30cm
6+00 N. 21+00 W.	5,598,600 N., 674,800 E.	Standard soil	Light clay dry 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
6+00 N. 21+50 W.	5,598,600 N., 674,750 E.	Standard soil	Light clay dry 30cm
6+00 N. 22+00 W.	5,598,600 N., 674,700 E.	N/A	No sample Bog
6+00 N. 22+50 W.	5,598,600 N., 674,650 E.	N/A	No sample Bog
6+00 N. 23+00 W.	5,598,600 N., 674,600 E.	N/A	No sample Bog
6+00 N. 23+50 W.	5,598,600 N., 674,550 E.	N/A	No sample Bog
6+00 N. 24+00 W.	5,598,600 N., 674,500 E.	Standard soil	Medium clay moist 30cm
6+00 N. 24+50 W.	5,598,600 N., 674,450 E.	Standard soil	Medium clay moist 30cm
6+00 N. 25+00 W.	5,598,600 N., 674,400 E.	Standard soil	Dark clay moist 30cm
6+00 N. 25+50 W.	5,598,600 N., 674,350 E.	Standard soil	Light clay dry 30cm
6+00 N. 26+00 W.	5,598,600 N., 674,300 E.	Standard soil	Light clay dry 30cm
6+00 N. 26+50 W.	5,598,600 N., 674,250 E.	Standard soil	Medium clay moist 30cm
6+00 N. 27+00 W.	5,598,600 N., 674,200 E.	Standard soil	Light clay dry 30cm
6+00 N. 27+50 W.	5,598,600 N., 674,150 E.	Standard soil	Light clay dry 30cm
6+00 N. 28+00 W.	5,598,600 N., 674,100 E.	Standard soil	Medium clay moist 30cm
6+00 N. 28+50 W.	5,598,600 N., 674,050 E.	Standard soil	Medium clay moist 30cm
6+00 N. 29+00 W.	5,598,600 N., 674,000 E.	Standard soil	Medium clay moist 30cm
6+00 N. 29+50 W.	5,598,600 N., 673,950 E.	Standard soil	Light clay moist 30cm
6+00 N. 30+00 W.	5,598,600 N., 673,900 E.	Standard soil	Light clay moist 30cm
6+00 N. 30+50 W.	5,598,600 N., 673,850 E.	Standard soil	Light silty dry 30cm
6+00 N. 31+00 W.	5,598,600 N., 673,800 E.	Standard soil	Light silty dry 30cm
6+00 N. 31+50 W.	5,598,600 N., 673,750 E.	Standard soil	Light silty dry 30cm
6+00 N. 32+00 W.	5,598,600 N., 673,700 E.	Standard soil	Medium silty dry 30cm
6+00 N. 32+50 W.	5,598,600 N., 673,650 E.	Standard soil	Light silty dry 30cm
6+00 N. 33+00 W.	5,598,600 N., 673,600 E.	Standard soil	Dark silty damp 30cm
6+00 N. 33+50 W.	5,598,600 N., 673,550 E.	Standard soil	Light silty dry 30cm
6+00 N. 34+00 W.	5,598,600 N., 673,500 E.	Standard soil	Dark silty damp 30cm
6+00 N. 34+50 W.	5,598,600 N., 673,450 E.	Standard soil	Light silty dry 30cm
6+00 N. 35+00 W.	5,598,600 N., 673,400 E.	Standard soil	Light silty dry 30cm
6+00 N. 35+50 W.	5,598,600 N., 673,350 E.	Standard soil	Light silty dry 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
6+00 N. 36+00 W.	5,598,600 N., 673,300 E.	Standard soil	Light silty dry 30cm
6+00 N. 36+50 W.	5,598,600 N., 673,250 E.	Standard soil	Light silty dry 30cm
6+00 N. 37+00 W.	5,598,600 N., 673,200 E.	Standard soil	Light silty dry 30cm
6+00 N. 37+50 W.	5,598,600 N., 673,150 E.	Standard soil	Light clay dry 30cm
6+00 N. 38+00 W.	5,598,600 N., 673,100 E.	Standard soil	Light clay dry 30cm
6+00 N. 38+50 W.	5,598,600 N., 673,050 E.	Standard soil	Light clay dry 30cm
6+00 N. 39+00 W.	5,598,600 N., 673,000 E.	Standard soil	Light clay dry 30cm
6+00 N. 39+50 W.	5,598,600 N., 672,950 E.	Standard soil	Light clay dry 30cm
6+00 N. 40+00 W.	5,598,600 N., 672,900 E.	Standard soil	Light silty dry 30cm
4+00 N. 00+00 W.	5,598,400 N., 676,900 E.	Standard soil	Medium silty dry 30cm
4+00 N. 00+50 W.	5,598,400 N., 676,850 E.	Standard soil	Dark silty damp 30cm
4+00 N. 01+00 W.	5,598,400 N., 676,800 E.	Standard soil	Light clay dry 30cm
4+00 N. 01+50 W.	5,598,400 N., 676,750 E.	Standard soil	Light clay dry 30cm
4+00 N. 02+00 W.	5,598,400 N., 676,700 E.	Standard soil	Light clay dry 30cm
4+00 N. 02+50 W.	5,598,400 N., 676,650 E.	Standard soil	Light clay dry 30cm
4+00 N. 03+00 W.	5,598,400 N., 676,600 E.	Standard soil	Light clay dry 30cm
4+00 N. 03+50 W.	5,598,400 N., 676,550 E.	Standard soil	Light clay dry 30cm
4+00 N. 04+00 W.	5,598,400 N., 676,500 E.	Standard soil	Light clay dry 30cm
4+00 N. 04+50 W.	5,598,400 N., 676,450 E.	Standard soil	Light clay dry 30cm
4+00 N. 05+00 W.	5,598,400 N., 676,400 E.	Standard soil	Light clay dry 30cm
4+00 N. 05+50 W.	5,598,400 N., 676,350 E.	Standard soil	Light clay dry 30cm
4+00 N. 06+00 W.	5,598,400 N., 676,300 E.	Standard soil	Light clay dry 30cm
4+00 N. 06+50 W.	5,598,400 N., 676,250 E.	Standard soil	Medium silty dry 30cm
4+00 N. 07+00 W.	5,598,400 N., 676,200 E.	Standard soil	Medium silty dry 30cm
4+00 N. 07+50 W.	5,598,400 N., 676,150 E.	Standard soil	Medium silty dry 30cm
4+00 N. 08+00 W.	5,598,400 N., 676,100 E.	Standard soil	Medium silty dry 30cm
4+00 N. 08+50 W.	5,598,400 N., 676,050 E.	Standard soil	Medium silty dry 30cm
4+00 N. 09+00 W.	5,598,400 N., 676,000 E.	Standard soil	Medium silty dry 30cm
4+00 N. 09+50 W.	5,598,400 N., 675,950 E.	Standard soil	Medium silty dry 30cm
4+00 N. 10+00 W.	5,598,400 N., 675,900 E.	Standard soil	Medium silty dry 30cm
4+00 N. 10+50 W.	5,598,400 N., 675,850 E.	Standard soil	Medium silty dry 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
4+00 N. 11+00 W.	5,598,400 N., 675,800 E.	Standard soil	Medium silty dry 30cm
4+00 N. 11+50 W.	5,598,400 N., 675,750 E.	Standard soil	Medium silty dry 30cm
4+00 N. 12+00 W.	5,598,400 N., 675,700 E.	Standard soil	Light clay dry 30cm
4+00 N. 12+50 W.	5,598,400 N., 675,650 E.	Standard soil	Light clay dry 30cm
4+00 N. 13+00 W.	5,598,400 N., 675,600 E.	Standard soil	Light clay dry 30cm
4+00 N. 13+50 W.	5,598,400 N., 675,550 E.	Standard soil	Light clay dry 30cm
4+00 N. 14+00 W.	5,598,400 N., 675,500 E.	Standard soil	Light clay dry 30cm
4+00 N. 14+50 W.	5,598,400 N., 675,450 E.	Standard soil	Light clay moist 30cm
4+00 N. 15+00 W.	5,598,400 N., 675,400 E.	Standard soil	Light clay moist 30cm
4+00 N. 15+50 W.	5,598,400 N., 675,350 E.	Standard soil	Light clay moist 30cm
4+00 N. 16+00 W.	5,598,400 N., 675,300 E.	Standard soil	Light clay dry 30cm
4+00 N. 16+50 W.	5,598,400 N., 675,250 E.	Standard soil	Light clay dry 30cm
4+00 N. 17+00 W.	5,598,400 N., 675,200 E.	Standard soil	Light clay dry 30cm
4+00 N. 17+50 W.	5,598,400 N., 675,150 E.	Standard soil	Light clay dry 30cm
4+00 N. 18+00 W.	5,598,400 N., 675,100 E.	Standard soil	Light clay dry 30cm
4+00 N. 18+50 W.	5,598,400 N., 675,050 E.	Standard soil	Light clay damp 30cm
4+00 N. 19+00 W.	5,598,400 N., 675,000 E.	Standard soil	Dark clay moist 30cm
4+00 N. 19+50 W.	5,598,400 N., 674,950 E.	Standard soil	Light clay dry 30cm
4+00 N. 20+00 W.	5,598,400 N., 674,900 E.	Standard soil	Light clay dry 30cm
4+00 N. 20+50 W.	5,598,400 N., 674,850 E.	Standard soil	Light clay moist 30cm
4+00 N. 21+00 W.	5,598,400 N., 674,800 E.	Standard soil	Dark clay moist 30cm
4+00 N. 21+50 W.	5,598,400 N., 674,750 E.	Standard soil	Medium clay moist 30cm
4+00 N. 22+00 W.	5,598,400 N., 674,700 E.	Standard soil	Medium clay moist 30cm
4+00 N. 22+50 W.	5,598,400 N., 674,650 E.	Standard soil	Light clay moist 30cm
4+00 N. 23+00 W.	5,598,400 N., 674,600 E.	N/A	No sample Bog
4+00 N. 23+50 W.	5,598,400 N., 674,550 E.	N/A	No sample Bog
4+00 N. 24+00 W.	5,598,400 N., 674,500 E.	N/A	No sample Bog
4+00 N. 24+50 W.	5,598,400 N., 674,450 E.	N/A	No sample Bog
4+00 N. 25+00 W.	5,598,400 N., 674,400 E.	N/A	No sample Bog

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
4+00 N. 25+50 W.	5,598,400 N., 674,350 E.	Standard soil	Dark clay moist 30cm
4+00 N. 26+00 W.	5,598,400 N., 674,300 E.	Standard soil	Light clay damp 30cm
4+00 N. 26+50 W.	5,598,400 N., 674,250 E.	Standard soil	Light clay moist 30cm
4+00 N. 27+00 W.	5,598,400 N., 674,200 E.	Standard soil	Light clay dry 30cm
4+00 N. 27+50 W.	5,598,400 N., 674,150 E.	Standard soil	Light clay dry 30cm
4+00 N. 28+00 W.	5,598,400 N., 674,100 E.	Standard soil	Light clay dry 30cm
4+00 N. 28+50 W.	5,598,400 N., 674,050 E.	Standard soil	Light clay dry 30cm
4+00 N. 29+00 W.	5,598,400 N., 674,000 E.	Standard soil	Light clay moist 30cm
4+00 N. 29+50 W.	5,598,400 N., 673,950 E.	Standard soil	Light clay damp 30cm
4+00 N. 30+00 W.	5,598,400 N., 673,900 E.	Standard soil	Light clay dry 30cm
4+00 N. 30+50 W.	5,598,400 N., 673,850 E.	Standard soil	Light silty dry 30cm
4+00 N. 31+00 W.	5,598,400 N., 673,800 E.	Standard soil	Light silty dry 30cm
4+00 N. 31+50 W.	5,598,400 N., 673,750 E.	Standard soil	Light silty dry 30cm
4+00 N. 32+00 W.	5,598,400 N., 673,700 E.	Standard soil	Light silty dry 30cm
4+00 N. 32+50 W.	5,598,400 N., 673,650 E.	Standard soil	Dark silty moist 30cm
4+00 N. 33+00 W.	5,598,400 N., 673,600 E.	Standard soil	Light silty dry 30cm
4+00 N. 33+50 W.	5,598,400 N., 673,550 E.	Standard soil	Light silty dry 30cm
4+00 N. 34+00 W.	5,598,400 N., 673,500 E.	Standard soil	Light silty dry 30cm
4+00 N. 34+50 W.	5,598,400 N., 673,450 E.	Standard soil	Light silty dry 30cm
4+00 N. 35+00 W.	5,598,400 N., 673,400 E.	Standard soil	Light silty dry 30cm
4+00 N. 35+50 W.	5,598,400 N., 673,350 E.	Standard soil	Medium silty dry 30cm
4+00 N. 36+00 W.	5,598,400 N., 673,300 E.	Standard soil	Light silty dry 30cm
4+00 N. 36+50 W.	5,598,400 N., 673,250 E.	Standard soil	Medium silty damp 30cm
4+00 N. 37+00 W.	5,598,400 N., 673,200 E.	Standard soil	Light clay dry 30cm
4+00 N. 37+50 W.	5,598,400 N., 673,150 E.	Standard soil	Light clay dry 30cm
4+00 N. 38+00 W.	5,598,400 N., 673,100 E.	Standard soil	Light clay dry 30cm
4+00 N. 38+50 W.	5,598,400 N., 673,050 E.	Standard soil	Light clay dry 30cm
4+00 N. 39+00 W.	5,598,400 N., 673,000 E.	Standard soil	Light clay dry 30cm
4+00 N. 39+50 W.	5,598,400 N., 672,950 E.	Standard soil	Light clay dry 30cm
4+00 N. 40+00 W.	5,598,400 N., 672,900 E.	Standard soil	Light clay damp 30cm
2+00 N. 0+00 W.	5,598,200 N., 676,900 E.	Standard soil	Medium moist clay 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
2+00 N. 0+50 W.	5,598,200 N., 676,850 E.	Standard soil	Medium moist clay 30cm
2+00 N. 1+00 W.	5,598,200 N., 676,800 E.	Standard soil	Medium silty damp 30cm
2+00 N. 1+50 W.	5,598,200 N., 676,750 E.	Standard soil	Medium silty damp 30cm
2+00 N. 2+00 W.	5,598,200 N., 676,700 E.	Standard soil	Medium silty damp 30cm
2+00 N. 2+50 W.	5,598,200 N., 676,650 E.	Standard soil	Medium silty damp 30cm
2+00 N. 3+00 W.	5,598,200 N., 676,600 E.	Standard soil	Light silty damp 30cm
2+00 N. 3+50 W.	5,598,200 N., 676,550 E.	Standard soil	Light silty damp 30cm
2+00 N. 4+00 W.	5,598,200 N., 676,500 E.	Standard soil	Medium silty damp 30cm
2+00 N. 4+50 W.	5,598,200 N., 676,450 E.	Standard soil	Medium silty damp 30cm
2+00 N. 5+00 W.	5,598,200 N., 676,400 E.	Standard soil	Light silty damp 30cm
2+00 N. 5+50 W.	5,598,200 N., 676,350 E.	Standard soil	Light silty damp 30cm
2+00 N. 6+00 W.	5,598,200 N., 676,300 E.	Standard soil	Medium moist silty 30cm
2+00 N. 6+50 W.	5,598,200 N., 676,250 E.	Standard soil	Medium moist silty 30cm
2+00 N. 7+00 W.	5,598,200 N., 676,200 E.	Standard soil	Medium moist silty 30cm
2+00 N. 7+50 W.	5,598,200 N., 676,150 E.	Standard soil	Light moist silty 30cm
2+00 N. 8+00 W.	5,598,200 N., 676,100 E.	Standard soil	Light moist clay 30cm
2+00 N. 8+50 W.	5,598,200 N., 676,050 E.	Standard soil	Light moist clay 30cm
2+00 N. 9+00 W.	5,598,200 N., 676,000 E.	Standard soil	Light moist clay 30cm
2+00 N. 9+50 W.	5,598,200 N., 675,950 E.	Standard soil	Medium moist silty 30cm
2+00 N. 10+00 W.	5,598,200 N., 675,900 E.	Standard soil	Dark silty moist 30cm
2+00 N. 10+50 W.	5,598,200 N., 675,850 E.	Standard soil	Dark silty moist 30cm
2+00 N. 11+00 W.	5,598,200 N., 675,800 E.	Standard soil	Dark silty moist 30cm
2+00 N. 11+50 W.	5,598,200 N., 675,750 E.	Standard soil	Light clay damp 30cm
2+00 N. 12+00 W.	5,598,200 N., 675,700 E.	Standard soil	Medium clay moist 30cm
2+00 N. 12+50 W.	5,598,200 N., 675,650 E.	Standard soil	Light clay dry 30cm
2+00 N. 13+00 W.	5,598,200 N., 675,600 E.	Standard soil	Medium silty dry 30cm
2+00 N. 13+50 W.	5,598,200 N., 675,550 E.	Standard soil	Medium silty dry 30cm
2+00 N. 14+00 W.	5,598,200 N., 675,500 E.	Standard soil	Medium silty dry 30cm
2+00 N. 14+50 W.	5,598,200 N., 675,450 E.	Standard soil	Medium silty moist 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
2+00 N. 15+00 W.	5,598,200 N., 675,400 E.	Standard soil	Medium silty damp 30cm
2+00 N. 15+50 W.	5,598,200 N., 675,350 E.	Standard soil	Medium clay wet 30cm
2+00 N. 16+00 W.	5,598,200 N., 675,300 E.	Standard soil	Light silty damp 30cm
2+00 N. 16+50 W.	5,598,200 N., 675,250 E.	N/A	No sample Lake
2+00 N. 17+00 W.	5,598,200 N., 675,200 E.	N/A	No sample Lake
2+00 N. 17+50 W.	5,598,200 N., 675,150 E.	Standard soil	Light clay wet 30cm
2+00 N. 18+00 W.	5,598,200 N., 675,100 E.	Standard soil	Light clay wet 30cm
2+00 N. 18+50 W.	5,598,200 N., 675,050 E.	Standard soil	Light clay wet 30cm
2+00 N. 19+00 W.	5,598,200 N., 675,000 E.	Standard soil	Light clay wet 30cm
2+00 N. 19+50 W.	5,598,200 N., 674,950 E.	Standard soil	Light clay damp 30cm
2+00 N. 20+00 W.	5,598,200 N., 674,900 E.	Standard soil	Light clay damp 30cm
2+00 N. 20+50 W.	5,598,200 N., 674,850 E.	Standard soil	Light clay damp 30cm
2+00 N. 21+00 W.	5,598,200 N., 674,800 E.	Standard soil	Light clay damp 30cm
2+00 N. 21+50 W.	5,598,200 N., 674,750 E.	Standard soil	Light clay moist 30cm
2+00 N. 22+00 W.	5,598,200 N., 674,700 E.	Standard soil	Medium clay damp 30cm
2+00 N. 22+50 W.	5,598,200 N., 674,650 E.	Standard soil	Light clay damp 30cm
2+00 N. 23+00 W.	5,598,200 N., 674,600 E.	Standard soil	Light clay damp 30cm
2+00 N. 23+50 W.	5,598,200 N., 674,550 E.	Standard soil	Medium clay damp 30cm
2+00 N. 24+00 W.	5,598,200 N., 674,500 E.	Standard soil	Dark silty damp 30cm
2+00 N. 24+50 W.	5,598,200 N., 674,450 E.	N/A	No sample Bog
2+00 N. 25+00 W.	5,598,200 N., 674,400 E.	N/A	No sample Bog
2+00 N. 25+50 W.	5,598,200 N., 674,350 E.	N/A	No sample Bog
2+00 N. 26+00 W.	5,598,200 N., 674,300 E.	Standard soil	Dark clay moist 30cm
2+00 N. 26+50 W.	5,598,200 N., 674,250 E.	Standard soil	Dark clay moist 30cm
2+00 N. 27+00 W.	5,598,200 N., 674,200 E.	Standard soil	Medium clay moist 30cm
2+00 N. 27+50 W.	5,598,200 N., 674,150 E.	Standard soil	Medium clay moist 30cm
2+00 N. 28+00 W.	5,598,200 N., 674,100 E.	Standard soil	Medium clay moist 30cm
2+00 N. 28+50 W.	5,598,200 N., 674,050 E.	Standard soil	Medium clay moist 30cm
2+00 N. 29+00 W.	5,598,200 N., 674,000 E.	Standard soil	Medium clay moist 30cm
2+00 N. 29+50 W.	5,598,200 N., 673,950 E.	Standard soil	Medium clay moist 30cm
2+00 N. 30+00 W.	5,598,200 N., 673,900 E.	Standard soil	Medium clay moist 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
2+00 N. 30+50 W.	5,598,200 N., 673,850 E.	Standard soil	Light silty dry 30cm
2+00 N. 31+00 W.	5,598,200 N., 673,800 E.	Standard soil	Light silty dry 30cm
2+00 N. 31+50 W.	5,598,200 N., 673,750 E.	Standard soil	Light silty dry 30cm
2+00 N. 32+00 W.	5,598,200 N., 673,700 E.	Standard soil	Light silty dry 30cm
2+00 N. 32+50 W.	5,598,200 N., 673,650 E.	Standard soil	Light silty dry 30cm
2+00 N. 33+00 W.	5,598,200 N., 673,600 E.	Standard soil	Light silty dry 30cm
2+00 N. 33+50 W.	5,598,200 N., 673,550 E.	Standard soil	Light silty dry 30cm
2+00 N. 34+00 W.	5,598,200 N., 673,500 E.	Standard soil	Light silty dry 30cm
2+00 N. 34+50 W.	5,598,200 N., 673,450 E.	Standard soil	Light silty dry 30cm
2+00 N. 35+00 W.	5,598,200 N., 673,400 E.	Standard soil	Medium clay damp 30cm
2+00 N. 35+50 W.	5,598,200 N., 673,350 E.	Standard soil	Light clay dry 30cm
2+00 N. 36+00 W.	5,598,200 N., 673,300 E.	Standard soil	Light clay dry 30cm
2+00 N. 36+50 W.	5,598,200 N., 673,250 E.	Standard soil	Light clay dry 30cm
2+00 N. 37+00 W.	5,598,200 N., 673,200 E.	Standard soil	Light clay dry 30cm
2+00 N. 37+50 W.	5,598,200 N., 673,150 E.	Standard soil	Light silty dry 30cm
2+00 N. 38+00 W.	5,598,200 N., 673,100 E.	Standard soil	Light silty dry 30cm
2+00 N. 38+50 W.	5,598,200 N., 673,050 E.	Standard soil	Light silty dry 30cm
2+00 N. 39+00 W.	5,598,200 N., 673,000 E.	Standard soil	Light silty dry 30cm
2+00 N. 39+50 W.	5,598,200 N., 672,950 E.	Standard soil	Light silty dry 30cm
2+00 N. 40+00 W.	5,598,200 N., 672,900 E.	Standard soil	Medium silty dry 30cm
0+00 N. 0+00 W.	5,598,000 N., 676,900 E.	Standard soil	Medium clay damp 30cm
0+00 N. 0+50 W.	5,598,000 N., 676,850 E.	Standard soil	Medium clay damp 30cm
0+00 N. 1+00 W.	5,598,000 N., 676,800 E.	N/A	No sample Lake
0+00 N. 1+50 W.	5,598,000 N., 676,750 E.	Standard soil	Dark silty damp 30cm
0+00 N. 2+00 W.	5,598,000 N., 676,700 E.	Standard soil	Dark silty damp 30cm
0+00 N. 2+50 W.	5,598,000 N., 676,650 E.	Standard soil	Dark silty dry 30cm
0+00 N. 3+00 W.	5,598,000 N., 676,600 E.	Standard soil	Medium silty damp 30cm
0+00 N. 3+50 W.	5,598,000 N., 676,550 E.	Standard soil	Medium silty damp 30cm
0+00 N. 4+00 W.	5,598,000 N., 676,500 E.	Standard soil	Light silty dry 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
0+00 N. 4+50 W.	5,598,000 N., 676,450 E.	Standard soil	Medium silty dry 30cm
0+00 N. 5+00 W.	5,598,000 N., 676,400 E.	Standard soil	Medium silty dry 30cm
0+00 N. 5+50 W.	5,598,000 N., 676,350 E.	Standard soil	Medium silty dry 30cm
0+00 N. 6+00 W.	5,598,000 N., 676,300 E.	Standard soil	Medium silty dry 30cm
0+00 N. 6+50 W.	5,598,000 N., 676,250 E.	Standard soil	Light silty dry 30cm
0+00 N. 7+00 W.	5,598,000 N., 676,200 E.	Standard soil	Medium silty dry 30cm
0+00 N. 7+50 W.	5,598,000 N., 676,150 E.	Standard soil	Medium silty dry 30cm
0+00 N. 8+00 W.	5,598,000 N., 676,100 E.	Standard soil	Medium silty dry 30cm
0+00 N. 8+50 W.	5,598,000 N., 676,050 E.	Standard soil	Dark clay moist 30cm
0+00 N. 9+00 W.	5,598,000 N., 676,000 E.	Standard soil	Medium clay damp 30cm
0+00 N. 9+50 W.	5,598,000 N., 675,950 E.	Standard soil	Medium clay damp 30cm
0+00 N. 10+00 W.	5,598,000 N., 675,900 E.	Standard soil	Medium clay damp 30cm
0+00 N. 10+50 W.	5,598,000 N., 675,850 E.	Standard soil	Medium clay damp 30cm
0+00 N. 11+00 W.	5,598,000 N., 675,800 E.	Standard soil	Light clay damp 30cm
0+00 N. 11+50 W.	5,598,000 N., 675,750 E.	Standard soil	Light clay dry 30cm
0+00 N. 12+00 W.	5,598,000 N., 675,700 E.	Standard soil	Greyish clay dry 30cm
0+00 N. 12+50 W.	5,598,000 N., 675,650 E.	Standard soil	Medium clay dry 30cm
0+00 N. 13+00 W.	5,598,000 N., 675,600 E.	Standard soil	Light clay damp 30cm
0+00 N. 13+50 W.	5,598,000 N., 675,550 E.	Standard soil	Medium clay dry 30cm
0+00 N. 14+00 W.	5,598,000 N., 675,500 E.	Standard soil	Light clay dry 30cm
0+00 N. 14+50 W.	5,598,000 N., 675,450 E.	Standard soil	Medium clay damp 30cm
0+00 N. 15+00 W.	5,598,000 N., 675,400 E.	Standard soil	Medium clay damp 30cm
0+00 N. 15+50 W.	5,598,000 N., 675,350 E.	Standard soil	Medium clay damp 30cm
0+00 N. 16+00 W.	5,598,000 N., 675,300 E.	Standard soil	Medium clay damp 30cm
0+00 N. 16+50 W.	5,598,000 N., 675,250 E.	Standard soil	Medium clay dry 30cm
0+00 N. 17+00 W.	5,598,000 N., 675,200 E.	Standard soil	Medium clay dry 30cm
0+00 N. 17+50 W.	5,598,000 N., 675,150 E.	Standard soil	Medium clay dry 30cm
0+00 N. 18+00 W.	5,598,000 N., 675,100 E.	Standard soil	Light clay wet 30cm
0+00 N. 18+50 W.	5,598,000 N., 675,050 E.	Standard soil	Medium clay damp 30cm
0+00 N. 19+00 W.	5,598,000 N., 675,000 E.	Standard soil	Light clay wet 30cm
0+00 N. 19+50 W.	5,598,000 N., 674,950 E.	Standard soil	Light clay dry 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
0+00 N. 20+00 W.	5,598,000 N., 674,900 E.	Standard soil	Medium clay dry 30cm
0+00 N. 20+50 W.	5,598,000 N., 674,850 E.	Standard soil	Light clay mud 30cm
0+00 N. 21+00 W.	5,598,000 N., 674,800 E.	Standard soil	Light clay dry 30cm
0+00 N. 21+50 W.	5,598,000 N., 674,750 E.	Standard soil	Light clay moist 30cm
0+00 N. 22+00 W.	5,598,000 N., 674,700 E.	Standard soil	Light clay moist 30cm
0+00 N. 22+50 W.	5,598,000 N., 674,650 E.	Standard soil	Light clay moist 30cm
0+00 N. 23+00 W.	5,598,000 N., 674,600 E.	Standard soil	Light clay moist 30cm
0+00 N. 23+50 W.	5,598,000 N., 674,550 E.	Standard soil	Dark clay moist 30cm
0+00 N. 24+00 W.	5,598,000 N., 674,500 E.	Standard soil	Light clay moist 30cm
0+00 N. 24+50 W.	5,598,000 N., 674,450 E.	Standard soil	Light clay moist 30cm
0+00 N. 25+00 W.	5,598,000 N., 674,400 E.	Standard soil	Light clay dry 30cm
0+00 N. 25+50 W.	5,598,000 N., 674,350 E.	N/A	No sample Bog
0+00 N. 26+00 W.	5,598,000 N., 674,300 E.	Standard soil	Dark clay moist 30cm
0+00 N. 26+50 W.	5,598,000 N., 674,250 E.	Standard soil	Medium clay moist 30cm
0+00 N. 27+00 W.	5,598,000 N., 674,200 E.	Standard soil	Light clay moist 30cm
0+00 N. 27+50 W.	5,598,000 N., 674,150 E.	Standard soil	Light clay moist 30cm
0+00 N. 28+00 W.	5,598,000 N., 674,100 E.	Standard soil	Light clay moist 30cm
0+00 N. 28+50 W.	5,598,000 N., 674,050 E.	Standard soil	Light silty dry 30cm
0+00 N. 29+00 W.	5,598,000 N., 674,000 E.	Standard soil	Light silty dry 30cm
0+00 N. 29+50 W.	5,598,000 N., 673,950 E.	Standard soil	Medium silty damp 30cm
0+00 N. 30+00 W.	5,598,000 N., 673,900 E.	Standard soil	Dark silty moist 30cm
0+00 N. 30+50 W.	5,598,000 N., 673,850 E.	Standard soil	Light silty dry 30cm
0+00 N. 31+00 W.	5,598,000 N., 673,800 E.	Standard soil	Light silty dry 30cm
0+00 N. 31+50 W.	5,598,000 N., 673,750 E.	Standard soil	Dark silty damp 30cm
0+00 N. 32+00 W.	5,598,000 N., 673,700 E.	Standard soil	Dark silty damp 30cm
0+00 N. 32+50 W.	5,598,000 N., 673,650 E.	Standard soil	Light silty dry 30cm
0+00 N. 33+00 W.	5,598,000 N., 673,600 E.	Standard soil	Light silty dry 30cm
0+00 N. 33+50 W.	5,598,000 N., 673,550 E.	Standard soil	Medium silty dry 30cm
0+00 N. 34+00 W.	5,598,000 N., 673,500 E.	Standard soil	Light silty dry 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
0+00 N. 34+50 W.	5,598,000 N., 673,450 E.	Standard soil	Light silty dry 30cm
0+00 N. 35+00 W.	5,598,000 N., 673,400 E.	Standard soil	Light silty dry 30cm
0+00 N. 35+50 W.	5,598,000 N., 673,350 E.	Standard soil	Light silty dry 30cm
0+00 N. 36+00 W.	5,598,000 N., 673,300 E.	Standard soil	Medium silty damp 30cm
0+00 N. 36+50 W.	5,598,000 N., 673,250 E.	Standard soil	Light silty dry 30cm
0+00 N. 37+00 W.	5,598,000 N., 673,200 E.	Standard soil	Light silty dry 30cm
0+00 N. 37+50 W.	5,598,000 N., 673,150 E.	Standard soil	Light silty dry 30cm
0+00 N. 38+00 W.	5,598,000 N., 673,100 E.	Standard soil	Light silty dry 30cm
2+00 S. 0+00 W.	5,597,800 N., 676,900 E.	Standard soil	Medium clay moist 30cm
2+00 S. 0+50 W.	5,597,800 N., 676,850 E.	Standard soil	Medium clay moist 30cm
2+00 S. 1+00 W.	5,597,800 N., 676,800 E.	Standard soil	Medium clay moist 30cm
2+00 S. 1+50 W.	5,597,800 N., 676,750 E.	Standard soil	Light silty damp 30cm
2+00 S. 2+00 W.	5,597,800 N., 676,700 E.	Standard soil	Light silty damp 30cm
2+00 S. 2+50 W.	5,597,800 N., 676,650 E.	Standard soil	Light silty damp 30cm
2+00 S. 3+00 W.	5,597,800 N., 676,600 E.	Standard soil	Light silty damp 30cm
2+00 S. 3+50 W.	5,597,800 N., 676,550 E.	Standard soil	Light silty damp 30cm
2+00 S. 4+00 W.	5,597,800 N., 676,500 E.	Standard soil	Light silty damp 30cm
2+00 S. 4+50 W.	5,597,800 N., 676,450 E.	Standard soil	Light silty damp 30cm
2+00 S. 5+00 W.	5,597,800 N., 676,400 E.	Standard soil	Medium silty dry 30cm
2+00 S. 5+50 W.	5,597,800 N., 676,350 E.	Standard soil	Medium silty dry 30cm
2+00 S. 6+00 W.	5,597,800 N., 676,300 E.	Standard soil	Medium silty dry 30cm
2+00 S. 6+50 W.	5,597,800 N., 676,250 E.	Standard soil	Dark silty damp 30cm
2+00 S. 7+00 W.	5,597,800 N., 676,200 E.	Standard soil	Light silty dry 30cm
2+00 S. 7+50 W.	5,597,800 N., 676,150 E.	Standard soil	Light silty dry 30cm
2+00 S. 8+00 W.	5,597,800 N., 676,100 E.	Standard soil	Dark silty dry 30cm
2+00 S. 8+50 W.	5,597,800 N., 676,050 E.	Standard soil	Light silty dry 30cm
2+00 S. 9+00 W.	5,597,800 N., 676,000 E.	Standard soil	Light silty dry 30cm
2+00 S. 9+50 W.	5,597,800 N., 675,950 E.	Standard soil	Light silty dry 30cm
2+00 S. 10+00 W.	5,597,800 N., 675,900 E.	Standard soil	Light silty dry 30cm
2+00 S. 10+50 W.	5,597,800 N., 675,850 E.	Standard soil	Dark silty dry 30cm
2+00 S. 11+00 W.	5,597,800 N., 675,800 E.	Standard soil	Dark silty dry 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
2+00 S. 11+50 W.	5,597,800 N., 675,750 E.	Standard soil	Light clay dry 30cm
2+00 S. 12+00 W.	5,597,800 N., 675,700 E.	Standard soil	Medium clay wet 30cm
2+00 S. 12+50 W.	5,597,800 N., 675,650 E.	Standard soil	Medium silty dry 30cm
2+00 S. 13+00 W.	5,597,800 N., 675,600 E.	Standard soil	Medium silty dry 30cm
2+00 S. 13+50 W.	5,597,800 N., 675,550 E.	Standard soil	Medium silty dry 30cm
2+00 S. 14+00 W.	5,597,800 N., 675,500 E.	Standard soil	Medium silty dry 30cm
2+00 S. 14+50 W.	5,597,800 N., 675,450 E.	Standard soil	Light clay dry 30cm
2+00 S. 15+00 W.	5,597,800 N., 675,400 E.	Standard soil	Medium silty dry 30cm
2+00 S. 15+50 W.	5,597,800 N., 675,350 E.	Standard soil	Light clay damp 30cm
2+00 S. 16+00 W.	5,597,800 N., 675,300 E.	Standard soil	Dark clay wet 30cm
2+00 S. 16+50 W.	5,597,800 N., 675,250 E.	Standard soil	Light clay dry 30cm
2+00 S. 17+00 W.	5,597,800 N., 675,200 E.	Standard soil	Light clay dry 30cm
2+00 S. 17+50 W.	5,597,800 N., 675,150 E.	Standard soil	Light clay dry 30cm
2+00 S. 18+00 W.	5,597,800 N., 675,100 E.	Standard soil	Medium clay moist 30cm
2+00 S. 18+50 W.	5,597,800 N., 675,050 E.	Standard soil	Medium clay dry 30cm
2+00 S. 19+00 W.	5,597,800 N., 675,000 E.	Standard soil	Light silty wet 30cm
2+00 S. 19+50 W.	5,597,800 N., 674,950 E.	Standard soil	Medium silty dry 30cm
2+00 S. 20+00 W.	5,597,800 N., 674,900 E.	Standard soil	Dark clay wet 30cm
2+00 S. 20+50 W.	5,597,800 N., 674,850 E.	Standard soil	Light clay wet 30cm
2+00 S. 21+00 W.	5,597,800 N., 674,800 E.	Standard soil	Light clay wet 30cm
2+00 S. 21+50 W.	5,597,800 N., 674,750 E.	Standard soil	Light silty dry 30cm
2+00 S. 22+00 W.	5,597,800 N., 674,700 E.	Standard soil	Light silty dry 30cm
2+00 S. 22+50 W.	5,597,800 N., 674,650 E.	Standard soil	Light clay dry 30cm
2+00 S. 23+00 W.	5,597,800 N., 674,600 E.	Standard soil	Medium clay damp 30cm
2+00 S. 23+50 W.	5,597,800 N., 674,550 E.	Standard soil	Light clay damp 30cm
2+00 S. 24+00 W.	5,597,800 N., 674,500 E.	Standard soil	Light clay damp 30cm
2+00 S. 24+50 W.	5,597,800 N., 674,450 E.	Standard soil	Light clay damp 30cm
2+00 S. 25+00 W.	5,597,800 N., 674,400 E.	Standard soil	Dark silty moist 30cm
2+00 S. 25+50 W.	5,597,800 N., 674,350 E.	Standard soil	Light clay damp 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
2+00 S. 26+00 W.	5,597,800 N., 674,300 E.	Standard soil	Light clay wet 30cm
2+00 S. 26+50 W.	5,597,800 N., 674,250 E.	Standard soil	Light clay damp 30cm
2+00 S. 27+00 W.	5,597,800 N., 674,200 E.	Standard soil	Light clay damp 30cm
2+00 S. 27+50 W.	5,597,800 N., 674,150 E.	Standard soil	Light clay dry 30cm
2+00 S. 28+00 W.	5,597,800 N., 674,100 E.	Standard soil	Light clay dry 30cm
2+00 S. 28+50 W.	5,597,800 N., 674,050 E.	Standard soil	Light clay dry 30cm
2+00 S. 29+00 W.	5,597,800 N., 674,000 E.	Standard soil	Light clay dry 30cm
2+00 S. 29+50 W.	5,597,800 N., 673,950 E.	Standard soil	Light clay dry 30cm
2+00 S. 30+00 W.	5,597,800 N., 673,900 E.	Standard soil	Light clay dry 30cm
2+00 S. 30+50 W.	5,597,800 N., 673,850 E.	Standard soil	Light silty dry 30cm
2+00 S. 31+00 W.	5,597,800 N., 673,800 E.	Standard soil	Light silty dry 30cm
2+00 S. 31+50 W.	5,597,800 N., 673,750 E.	Standard soil	Medium silty dry 30cm
2+00 S. 32+00 W.	5,597,800 N., 673,700 E.	Standard soil	Light clay dry 30cm
2+00 S. 32+50 W.	5,597,800 N., 673,650 E.	Standard soil	Light silty dry 30cm
2+00 S. 33+00 W.	5,597,800 N., 673,600 E.	Standard soil	Light silty dry 30cm
2+00 S. 33+50 W.	5,597,800 N., 673,550 E.	Standard soil	Light silty dry 30cm
2+00 S. 34+00 W.	5,597,800 N., 673,500 E.	Standard soil	Light silty dry 30cm
2+00 S. 34+50 W.	5,597,800 N., 673,450 E.	Standard soil	Light silty dry 30cm
2+00 S. 35+00 W.	5,597,800 N., 673,400 E.	Standard soil	Light silty dry 30cm
2+00 S. 35+50 W.	5,597,800 N., 673,350 E.	Standard soil	Light silty dry 30cm
2+00 S. 36+00 W.	5,597,800 N., 673,300 E.	Standard soil	Light silty dry 30cm
2+00 S. 36+50 W.	5,597,800 N., 673,250 E.	Standard soil	Light silty dry 30cm
2+00 S. 37+00 W.	5,597,800 N., 673,200 E.	Standard soil	Light silty dry 30cm
2+00 S. 37+50 W.	5,597,800 N., 673,150 E.	Standard soil	Light silty dry 30cm
2+00 S. 38+00 W.	5,597,800 N., 673,100 E.	Standard soil	Light silty dry 30cm
2+00 S. 38+50 W.	5,597,800 N., 673,050 E.	Standard soil	Light silty dry 30cm
2+00 S. 39+00 W.	5,597,800 N., 673,000 E.	Standard soil	Light silty dry 30cm
2+00 S. 39+50 W.	5,597,800 N., 672,950 E.	Standard soil	Light silty dry 30cm
2+00 S. 40+00 W.	5,597,800 N., 672,900 E.	Standard soil	Dark clay moist 30cm
4+00 S. 0+00 W.	5,597,600 N., 676,900 E.	Standard soil	Medium clay dry 30cm
4+00 S. 0+50 W.	5,597,600 N., 676,850 E.	Standard soil	Medium clay dry 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
4+00 S. 1+00 W.	5,597,600 N., 676,800 E.	Standard soil	Medium clay dry 30cm
4+00 S. 1+50 W.	5,597,600 N., 676,750 E.	Standard soil	Dark clay dry 30cm
4+00 S. 2+00 W.	5,597,600 N., 676,700 E.	Standard soil	Dark clay dry 30cm
4+00 S. 2+50 W.	5,597,600 N., 676,650 E.	Standard soil	Light clay dry 30cm
4+00 S. 3+00 W.	5,597,600 N., 676,600 E.	Standard soil	Medium clay dry 30cm
4+00 S. 3+50 W.	5,597,600 N., 676,550 E.	Standard soil	Medium clay dry 30cm
4+00 S. 4+00 W.	5,597,600 N., 676,500 E.	Standard soil	Medium clay dry 30cm
4+00 S. 4+50 W.	5,597,600 N., 676,450 E.	Standard soil	Medium clay dry 30cm
4+00 S. 5+00 W.	5,597,600 N., 676,400 E.	Standard soil	Medium silty dry 30cm
4+00 S. 5+50 W.	5,597,600 N., 676,350 E.	Standard soil	Dark clay wet 30cm
4+00 S. 6+00 W.	5,597,600 N., 676,300 E.	Standard soil	Medium clay dry 30cm
4+00 S. 6+50 W.	5,597,600 N., 676,250 E.	Standard soil	Medium clay dry 30cm
4+00 S. 7+00 W.	5,597,600 N., 676,200 E.	Standard soil	Medium silty dry 30cm
4+00 S. 7+50 W.	5,597,600 N., 676,150 E.	Standard soil	Medium silty dry 30cm
4+00 S. 8+00 W.	5,597,600 N., 676,100 E.	Standard soil	Medium silty dry 30cm
4+00 S. 8+50 W.	5,597,600 N., 676,050 E.	Standard soil	Medium silty dry 30cm
4+00 S. 9+00 W.	5,597,600 N., 676,000 E.	Standard soil	Dark silty dry 30cm
4+00 S. 9+50 W.	5,597,600 N., 675,950 E.	Standard soil	Dark clay dry 30cm
4+00 S. 10+00 W.	5,597,600 N., 675,900 E.	Standard soil	Medium clay dry 30cm
4+00 S. 10+50 W.	5,597,600 N., 675,850 E.	Standard soil	Medium clay dry 30cm
4+00 S. 11+00 W.	5,597,600 N., 675,800 E.	Standard soil	Medium silty dry 30cm
4+00 S. 11+50 W.	5,597,600 N., 675,750 E.	Standard soil	Dark silty dry 30cm
4+00 S. 12+00 W.	5,597,600 N., 675,700 E.	Standard soil	Medium silty dry 30cm
4+00 S. 12+50 W.	5,597,600 N., 675,650 E.	Standard soil	Medium silty dry 30cm
4+00 S. 13+00 W.	5,597,600 N., 675,600 E.	Standard soil	Dark silty moist 30cm
4+00 S. 13+50 W.	5,597,600 N., 675,550 E.	Standard soil	Medium clay moist 30cm
4+00 S. 14+00 W.	5,597,600 N., 675,500 E.	Standard soil	Light clay dry 30cm
4+00 S. 14+50 W.	5,597,600 N., 675,450 E.	Standard soil	Light clay dry 30cm
4+00 S. 15+00 W.	5,597,600 N., 675,400 E.	Standard soil	Light clay wet 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
4+00 S. 15+50 W.	5,597,600 N., 675,350 E.	Standard soil	Light clay moist 30cm
4+00 S. 16+00 W.	5,597,600 N., 675,300 E.	Standard soil	Light clay dry 30cm
4+00 S. 16+50 W.	5,597,600 N., 675,250 E.	Standard soil	Medium clay dry 30cm
4+00 S. 17+00 W.	5,597,600 N., 675,200 E.	Standard soil	Medium clay dry 30cm
4+00 S. 17+50 W.	5,597,600 N., 675,150 E.	Standard soil	Medium clay dry 30cm
4+00 S. 18+00 W.	5,597,600 N., 675,100 E.	Standard soil	Medium clay dry 30cm
4+00 S. 18+50 W.	5,597,600 N., 675,050 E.	Standard soil	Medium clay dry 30cm
4+00 S. 19+00 W.	5,597,600 N., 675,000 E.	Standard soil	Dark clay wet 30cm
4+00 S. 19+50 W.	5,597,600 N., 674,950 E.	Standard soil	Light silty dry 30cm
4+00 S. 20+00 W.	5,597,600 N., 674,900 E.	Standard soil	Medium clay damp 30cm
4+00 S. 20+50 W.	5,597,600 N., 674,850 E.	Standard soil	Medium clay damp 30cm
4+00 S. 21+00 W.	5,597,600 N., 674,800 E.	Standard soil	Light clay dry 30cm
4+00 S. 21+50 W.	5,597,600 N., 674,750 E.	Standard soil	Light clay dry 30cm
4+00 S. 22+00 W.	5,597,600 N., 674,700 E.	Standard soil	Light clay dry 30cm
4+00 S. 22+50 W.	5,597,600 N., 674,650 E.	Standard soil	Light clay damp 30cm
4+00 S. 23+00 W.	5,597,600 N., 674,600 E.	Standard soil	Light clay wet 30cm
4+00 S. 23+50 W.	5,597,600 N., 674,550 E.	Standard soil	Medium clay dry 30cm
4+00 S. 24+00 W.	5,597,600 N., 674,500 E.	Standard soil	Medium clay dry 30cm
4+00 S. 24+50 W.	5,597,600 N., 674,450 E.	Standard soil	Medium clay dry 30cm
4+00 S. 25+00 W.	5,597,600 N., 674,400 E.	Standard soil	Light clay dry 30cm
4+00 S. 25+50 W.	5,597,600 N., 674,350 E.	Standard soil	Light clay dry 30cm
4+00 S. 26+00 W.	5,597,600 N., 674,300 E.	Standard soil	Light clay dry 30cm
4+00 S. 26+50 W.	5,597,600 N., 674,250 E.	Standard soil	Light clay moist 30cm
4+00 S. 27+00 W.	5,597,600 N., 674,200 E.	Standard soil	Light clay dry 30cm
4+00 S. 27+50 W.	5,597,600 N., 674,150 E.	Standard soil	Light clay dry 30cm
4+00 S. 28+00 W.	5,597,600 N., 674,100 E.	Standard soil	Light clay dry 30cm
4+00 S. 28+50 W.	5,597,600 N., 674,050 E.	Standard soil	Medium clay moist 30cm
4+00 S. 29+00 W.	5,597,600 N., 674,000 E.	Standard soil	Dark silty wet 30cm
4+00 S. 29+50 W.	5,597,600 N., 673,950 E.	Standard soil	Light clay moist 30cm
4+00 S. 30+00 W.	5,597,600 N., 673,900 E.	Standard soil	Light clay moist 30cm
4+00 S. 30+50 W.	5,597,600 N., 673,850 E.	Standard soil	Light clay dry 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
4+00 S. 31+00 W.	5,597,600 N., 673,800 E.	Standard soil	Dark clay moist 30cm
4+00 S. 31+50 W.	5,597,600 N., 673,750 E.	Standard soil	Light silty dry 30cm
4+00 S. 32+00 W.	5,597,600 N., 673,700 E.	Standard soil	Light silty dry 30cm
4+00 S. 32+50 W.	5,597,600 N., 673,650 E.	Standard soil	Light silty dry 30cm
4+00 S. 33+00 W.	5,597,600 N., 673,600 E.	Standard soil	Light silty dry 30cm
4+00 S. 33+50 W.	5,597,600 N., 673,550 E.	Standard soil	Light silty dry 30cm
4+00 S. 34+00 W.	5,597,600 N., 673,500 E.	Standard soil	Light silty dry 30cm
4+00 S. 34+50 W.	5,597,600 N., 673,450 E.	Standard soil	Medium silty dry 30cm
4+00 S. 35+00 W.	5,597,600 N., 673,400 E.	Standard soil	Medium silty dry 30cm
4+00 S. 35+50 W.	5,597,600 N., 673,350 E.	Standard soil	Light silty dry 30cm
4+00 S. 36+00 W.	5,597,600 N., 673,300 E.	Standard soil	Light silty dry 30cm
4+00 S. 36+50 W.	5,597,600 N., 673,250 E.	Standard soil	Light silty dry 30cm
4+00 S. 37+00 W.	5,597,600 N., 673,200 E.	Standard soil	Light silty dry 30cm
4+00 S. 37+50 W.	5,597,600 N., 673,150 E.	Standard soil	Light silty dry 30cm
4+00 S. 38+00 W.	5,597,600 N., 673,100 E.	Standard soil	Light silty dry 30cm
4+00 S. 38+50 W.	5,597,600 N., 673,050 E.	Standard soil	Light silty dry 30cm
4+00 S. 39+00 W.	5,597,600 N., 673,000 E.	Standard soil	Light silty dry 30cm
4+00 S. 39+50 W.	5,597,600 N., 672,950 E.	Standard soil	Light silty dry 30cm
4+00 S. 40+00 W.	5,597,600 N., 672,900 E.	Standard soil	Dark clay moist 30cm
6+00 S. 0+00 W.	5,597,400 N., 676,900 E.	Standard soil	Silty medium dry 30cm
6+00 S. 0+50 W.	5,597,400 N., 676,850 E.	Standard soil	Silty light dry 30cm
6+00 S. 1+00 W.	5,597,400 N., 676,800 E.	Standard soil	Medium silty dry 30cm
6+00 S. 1+50 W.	5,597,400 N., 676,750 E.	Standard soil	Medium silty dry 30cm
6+00 S. 2+00 W.	5,597,400 N., 676,700 E.	Standard soil	Medium silty dry 30cm
6+00 S. 2+50 W.	5,597,400 N., 676,650 E.	Standard soil	Medium silty damp 30cm
6+00 S. 3+00 W.	5,597,400 N., 676,600 E.	Standard soil	Medium clay dry 30cm
6+00 S. 3+50 W.	5,597,400 N., 676,550 E.	Standard soil	Dark silty moist 30cm
6+00 S. 4+00 W.	5,597,400 N., 676,500 E.	Standard soil	Medium silty dry 30cm
6+00 S. 4+50 W.	5,597,400 N., 676,450 E.	Standard soil	Medium silty dry 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
6+00 S. 5+00 W.	5,597,400 N., 676,400 E.	Standard soil	Medium silty dry 30cm
6+00 S. 5+50 W.	5,597,400 N., 676,350 E.	Standard soil	Dark clay dry 30cm
6+00 S. 6+00 W.	5,597,400 N., 676,300 E.	Standard soil	Dark clay moist 30cm
6+00 S. 6+50 W.	5,597,400 N., 676,250 E.	Standard soil	Medium silty dry 30cm
6+00 S. 7+00 W.	5,597,400 N., 676,200 E.	Standard soil	Medium silty dry 30cm
6+00 S. 7+50 W.	5,597,400 N., 676,150 E.	Standard soil	Medium silty dry 30cm
6+00 S. 8+00 W.	5,597,400 N., 676,100 E.	Standard soil	Medium silty dry 30cm
6+00 S. 8+50 W.	5,597,400 N., 676,050 E.	Standard soil	Medium clay moist 30cm
6+00 S. 9+00 W.	5,597,400 N., 676,000 E.	Standard soil	Medium clay moist 30cm
6+00 S. 9+50 W.	5,597,400 N., 675,950 E.	Standard soil	Medium clay moist 30cm
6+00 S. 10+00 W.	5,597,400 N., 675,900 E.	Standard soil	Medium clay moist 30cm
6+00 S. 10+50 W.	5,597,400 N., 675,850 E.	Standard soil	Medium clay moist 30cm
6+00 S. 11+00 W.	5,597,400 N., 675,800 E.	Standard soil	Grey clay wet 30cm
6+00 S. 11+50 W.	5,597,400 N., 675,750 E.	Standard soil	Medium clay dry 30cm
6+00 S. 12+00 W.	5,597,400 N., 675,700 E.	Standard soil	Medium clay dry 30cm
6+00 S. 12+50 W.	5,597,400 N., 675,650 E.	Standard soil	Medium clay dry 30cm
6+00 S. 13+00 W.	5,597,400 N., 675,600 E.	Standard soil	Medium clay dry 30cm
6+00 S. 13+50 W.	5,597,400 N., 675,550 E.	Standard soil	Medium clay damp 30cm
6+00 S. 14+00 W.	5,597,400 N., 675,500 E.	Standard soil	Medium clay damp 30cm
6+00 S. 14+50 W.	5,597,400 N., 675,450 E.	Standard soil	Medium clay damp 30cm
6+00 S. 15+00 W.	5,597,400 N., 675,400 E.	Standard soil	Medium clay damp 30cm
6+00 S. 15+50 W.	5,597,400 N., 675,350 E.	Standard soil	Medium clay damp 30cm
6+00 S. 16+00 W.	5,597,400 N., 675,300 E.	Standard soil	Dark silty wet 30cm
6+00 S. 16+50 W.	5,597,400 N., 675,250 E.	Standard soil	Light clay dry 30cm
6+00 S. 17+00 W.	5,597,400 N., 675,200 E.	Standard soil	Light clay dry 30cm
6+00 S. 17+50 W.	5,597,400 N., 675,150 E.	Standard soil	Medium clay moist 30cm
6+00 S. 18+00 W.	5,597,400 N., 675,100 E.	Standard soil	Medium clay moist 30cm
6+00 S. 18+50 W.	5,597,400 N., 675,050 E.	Standard soil	Medium clay wet 30cm
6+00 S. 19+00 W.	5,597,400 N., 675,000 E.	Standard soil	Light clay dry 30cm
6+00 S. 19+50 W.	5,597,400 N., 674,950 E.	Standard soil	Light clay dry 30cm
6+00 S. 20+00 W.	5,597,400 N., 674,900 E.	Standard soil	Light clay moist 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
6+00 S. 20+50 W.	5,597,400 N., 674,850 E.	Standard soil	Light clay moist 30cm
6+00 S. 21+00 W.	5,597,400 N., 674,800 E.	Standard soil	Light clay moist 30cm
6+00 S. 21+50 W.	5,597,400 N., 674,750 E.	Standard soil	Light clay moist 30cm
6+00 S. 22+00 W.	5,597,400 N., 674,700 E.	Standard soil	Light clay dry 30cm
6+00 S. 22+50 W.	5,597,400 N., 674,650 E.	Standard soil	Light clay dry 30cm
6+00 S. 23+00 W.	5,597,400 N., 674,600 E.	Standard soil	Light clay dry 30cm
6+00 S. 23+50 W.	5,597,400 N., 674,550 E.	Standard soil	Light clay dry 30cm
6+00 S. 24+00 W.	5,597,400 N., 674,500 E.	Standard soil	Light clay moist 30cm
6+00 S. 24+50 W.	5,597,400 N., 674,450 E.	Standard soil	Light clay wet 30cm
6+00 S. 25+00 W.	5,597,400 N., 674,400 E.	Standard soil	Light clay wet 30cm
6+00 S. 25+50 W.	5,597,400 N., 674,350 E.	Standard soil	Light clay damp 30cm
6+00 S. 26+00 W.	5,597,400 N., 674,300 E.	Standard soil	Light clay damp 30cm
6+00 S. 26+50 W.	5,597,400 N., 674,250 E.	Standard soil	Light clay damp 30cm
6+00 S. 27+00 W.	5,597,400 N., 674,200 E.	Standard soil	Light clay damp 30cm
6+00 S. 27+50 W.	5,597,400 N., 674,150 E.	Standard soil	Light clay damp 30cm
6+00 S. 28+00 W.	5,597,400 N., 674,100 E.	Standard soil	Light clay moist 30cm
6+00 S. 28+50 W.	5,597,400 N., 674,050 E.	Standard soil	Light clay moist 30cm
6+00 S. 29+00 W.	5,597,400 N., 674,000 E.	Standard soil	Light clay moist 30cm
6+00 S. 29+50 W.	5,597,400 N., 673,950 E.	Standard soil	Light clay moist 30cm
6+00 S. 30+00 W.	5,597,400 N., 673,900 E.	Standard soil	Light clay moist 30cm
6+00 S. 30+50 W.	5,597,400 N., 673,850 E.	Standard soil	Light silty dry 30cm
6+00 S. 31+00 W.	5,597,400 N., 673,800 E.	Standard soil	Light silty dry 30cm
6+00 S. 31+50 W.	5,597,400 N., 673,750 E.	Standard soil	Light silty dry 30cm
6+00 S. 32+00 W.	5,597,400 N., 673,700 E.	Standard soil	Light clay dry 30cm
6+00 S. 32+50 W.	5,597,400 N., 673,650 E.	Standard soil	Light silty dry 30cm
6+00 S. 33+00 W.	5,597,400 N., 673,600 E.	Standard soil	Light silty dry 30cm
6+00 S. 33+50 W.	5,597,400 N., 673,550 E.	Standard soil	Light silty dry 30cm
6+00 S. 34+00 W.	5,597,400 N., 673,500 E.	Standard soil	Dark clay damp 30cm
6+00 S. 34+50 W.	5,597,400 N., 673,450 E.	Standard soil	Dark clay damp 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
6+00 S. 35+00 W.	5,597,400 N., 673,400 E.	Standard soil	Medium silty dry 30cm
6+00 S. 35+50 W.	5,597,400 N., 673,350 E.	Standard soil	Light silty dry 30cm
6+00 S. 36+00 W.	5,597,400 N., 673,300 E.	Standard soil	Light silty dry 30cm
6+00 S. 36+50 W.	5,597,400 N., 673,250 E.	Standard soil	Light silty dry 30cm
6+00 S. 37+00 W.	5,597,400 N., 673,200 E.	Standard soil	Light silty dry 30cm
6+00 S. 37+50 W.	5,597,400 N., 673,150 E.	Standard soil	Light silty dry 30cm
6+00 S. 38+00 W.	5,597,400 N., 673,100 E.	Standard soil	Light silty dry 30cm
6+00 S. 38+50 W.	5,597,400 N., 673,050 E.	Standard soil	Light silty dry 30cm
6+00 S. 39+00 W.	5,597,400 N., 673,000 E.	Standard soil	Light silty dry 30cm
6+00 S. 39+50 W.	5,597,400 N., 672,950 E.	Standard soil	Light silty dry 30cm
6+00 S. 40+00 W.	5,597,400 N., 672,900 E.	Standard soil	Light silty dry 30cm
8+00 S. 0+00 W.	5,597,200 N., 676,900 E.	Standard soil	Medium silty dry 30cm
8+00 S. 0+50 W.	5,597,200 N., 676,850 E.	Standard soil	Medium silty dry 30cm
8+00 S. 1+00 W.	5,597,200 N., 676,800 E.	Standard soil	Medium silty dry 30cm
8+00 S. 1+50 W.	5,597,200 N., 676,750 E.	Standard soil	Medium silty dry 30cm
8+00 S. 2+00 W.	5,597,200 N., 676,700 E.	Standard soil	Medium silty dry 30cm
8+00 S. 2+50 W.	5,597,200 N., 676,650 E.	Standard soil	Medium silty dry 30cm
8+00 S. 3+00 W.	5,597,200 N., 676,600 E.	Standard soil	Medium silty dry 30cm
8+00 S. 3+50 W.	5,597,200 N., 676,550 E.	Standard soil	Medium silty dry 30cm
8+00 S. 4+00 W.	5,597,200 N., 676,500 E.	Standard soil	Medium clay moist 30cm
8+00 S. 4+50 W.	5,597,200 N., 676,450 E.	Standard soil	Medium clay moist 30cm
8+00 S. 5+00 W.	5,597,200 N., 676,400 E.	Standard soil	Medium clay moist 30cm
8+00 S. 5+50 W.	5,597,200 N., 676,350 E.	Standard soil	Medium clay moist 30cm
8+00 S. 6+00 W.	5,597,200 N., 676,300 E.	Standard soil	Medium clay moist 30cm
8+00 S. 6+50 W.	5,597,200 N., 676,250 E.	Standard soil	Medium clay moist 30cm
8+00 S. 7+00 W.	5,597,200 N., 676,200 E.	N/A	No sample Lake
8+00 S. 7+50 W.	5,597,200 N., 676,150 E.	N/A	No sample Lake
8+00 S. 8+00 W.	5,597,200 N., 676,100 E.	N/A	No sample Lake
8+00 S. 8+50 W.	5,597,200 N., 676,050 E.	N/A	No sample Lake
8+00 S. 9+00 W.	5,597,200 N., 676,000 E.	N/A	No sample Lake
8+00 S. 9+50 W.	5,597,200 N., 675,950 E.	Standard soil	Dark clay damp 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
8+00 S. 10+00 W.	5,597,200 N., 675,900 E.	Standard soil	Light clay dry 30cm
8+00 S. 10+50 W.	5,597,200 N., 675,850 E.	Standard soil	Light silty dry 30cm
8+00 S. 11+00 W.	5,597,200 N., 675,800 E.	Standard soil	Light silty dry 30cm
8+00 S. 11+50 W.	5,597,200 N., 675,750 E.	Standard soil	Light silty dry 30cm
8+00 S. 12+00 W.	5,597,200 N., 675,700 E.	Standard soil	Medium clay moist 30cm
8+00 S. 12+50 W.	5,597,200 N., 675,650 E.	Standard soil	Medium clay moist 30cm
8+00 S. 13+00 W.	5,597,200 N., 675,600 E.	Standard soil	Medium clay moist 30cm
8+00 S. 13+50 W.	5,597,200 N., 675,550 E.	Standard soil	Medium clay moist 30cm
8+00 S. 14+00 W.	5,597,200 N., 675,500 E.	Standard soil	Medium silty dry 30cm
8+00 S. 14+50 W.	5,597,200 N., 675,450 E.	Standard soil	Medium silty dry 30cm
8+00 S. 15+00 W.	5,597,200 N., 675,400 E.	Standard soil	Medium silty dry 30cm
8+00 S. 15+50 W.	5,597,200 N., 675,350 E.	Standard soil	Medium silty dry 30cm
8+00 S. 16+00 W.	5,597,200 N., 675,300 E.	Standard soil	Medium silty dry 30cm
8+00 S. 16+50 W.	5,597,200 N., 675,250 E.	Standard soil	Dark silty wet 30cm
8+00 S. 17+00 W.	5,597,200 N., 675,200 E.	Standard soil	Light clay dry 30cm
8+00 S. 17+50 W.	5,597,200 N., 675,150 E.	Standard soil	Dark silty wet 30cm
8+00 S. 18+00 W.	5,597,200 N., 675,100 E.	Standard soil	Light clay dry 30cm
8+00 S. 18+50 W.	5,597,200 N., 675,050 E.	Standard soil	Light clay dry 30cm
8+00 S. 19+00 W.	5,597,200 N., 675,000 E.	Standard soil	Medium clay damp 30cm
8+00 S. 19+50 W.	5,597,200 N., 674,950 E.	Standard soil	Medium clay damp 30cm
8+00 S. 20+00 W.	5,597,200 N., 674,900 E.	Standard soil	Medium clay damp 30cm
8+00 S. 20+50 W.	5,597,200 N., 674,850 E.	Standard soil	Medium clay moist 30cm
8+00 S. 21+00 W.	5,597,200 N., 674,800 E.	Standard soil	Dark clay moist 30cm
8+00 S. 21+50 W.	5,597,200 N., 674,750 E.	Standard soil	Medium clay moist 30cm
8+00 S. 22+00 W.	5,597,200 N., 674,700 E.	Standard soil	Medium clay dry 30cm
8+00 S. 22+50 W.	5,597,200 N., 674,650 E.	Standard soil	Light clay dry 30cm
8+00 S. 23+00 W.	5,597,200 N., 674,600 E.	Standard soil	Light clay dry 30cm
8+00 S. 23+50 W.	5,597,200 N., 674,550 E.	Standard soil	Light clay dry 30cm
8+00 S. 24+00 W.	5,597,200 N., 674,500 E.	Standard soil	Light clay moist 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
8+00 S. 24+50 W.	5,597,200 N., 674,450 E.	Standard soil	Light clay dry 30cm
8+00 S. 25+00 W.	5,597,200 N., 674,400 E.	Standard soil	Light clay dry 30cm
8+00 S. 25+50 W.	5,597,200 N., 674,350 E.	Standard soil	Medium clay dry 30cm
8+00 S. 26+00 W.	5,597,200 N., 674,300 E.	Standard soil	Medium clay dry 30cm
8+00 S. 26+50 W.	5,597,200 N., 674,250 E.	Standard soil	Light clay moist 30cm
8+00 S. 27+00 W.	5,597,200 N., 674,200 E.	Standard soil	Light clay moist 30cm
8+00 S. 27+50 W.	5,597,200 N., 674,150 E.	Standard soil	Light clay moist 30cm
8+00 S. 28+00 W.	5,597,200 N., 674,100 E.	Standard soil	Light clay moist 30cm
8+00 S. 28+50 W.	5,597,200 N., 674,050 E.	Standard soil	Light sandy dry 30cm
8+00 S. 29+00 W.	5,597,200 N., 674,000 E.	Standard soil	Light sandy dry 30cm
8+00 S. 29+50 W.	5,597,200 N., 673,950 E.	Standard soil	Light sandy dry 30cm
8+00 S. 30+00 W.	5,597,200 N., 673,900 E.	Standard soil	Light sandy dry 30cm
8+00 S. 30+50 W.	5,597,200 N., 673,850 E.	Standard soil	Light sandy dry 30cm
8+00 S. 31+00 W.	5,597,200 N., 673,800 E.	Standard soil	Light clay dry 30cm
8+00 S. 31+50 W.	5,597,200 N., 673,750 E.	Standard soil	Light clay dry 30cm
8+00 S. 32+00 W.	5,597,200 N., 673,700 E.	Standard soil	Medium clay dry 30cm
8+00 S. 32+50 W.	5,597,200 N., 673,650 E.	Standard soil	Medium clay dry 30cm
8+00 S. 33+00 W.	5,597,200 N., 673,600 E.	Standard soil	Medium clay dry 30cm
8+00 S. 33+50 W.	5,597,200 N., 673,550 E.	Standard soil	Light clay dry 30cm
8+00 S. 34+00 W.	5,597,200 N., 673,500 E.	Standard soil	Light clay dry 30cm
8+00 S. 34+50 W.	5,597,200 N., 673,450 E.	Standard soil	Light silty dry 30cm
8+00 S. 35+00 W.	5,597,200 N., 673,400 E.	Standard soil	Medium silty dry 30cm
8+00 S. 35+50 W.	5,597,200 N., 673,350 E.	N/A	No sample Lake
8+00 S. 36+00 W.	5,597,200 N., 673,300 E.	N/A	No sample Lake
8+00 S. 36+50 W.	5,597,200 N., 673,250 E.	Standard soil	Dark silty damp 30cm
8+00 S. 37+00 W.	5,597,200 N., 673,200 E.	Standard soil	Light silty dry 30cm
8+00 S. 37+50 W.	5,597,200 N., 673,150 E.	Standard soil	Light silty dry 30cm
8+00 S. 38+00 W.	5,597,200 N., 673,100 E.	Standard soil	Light silty dry 30cm
10+00 S. 0+00 W.	5,597,000 N., 676,900 E.	Standard soil	Light clay dry 30cm
10+00 S. 0+50 W.	5,597,000 N., 676,850 E.	Standard soil	Light clay dry 30cm
10+00 S. 1+00 W.	5,597,000 N., 676,800 E.	Standard soil	Light clay dry 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
10+00 S. 1+50 W.	5,597,000 N., 676,750 E.	Standard soil	Light clay dry 30cm
10+00 S. 2+00 W.	5,597,000 N., 676,700 E.	Standard soil	Light clay dry 30cm
10+00 S. 2+50 W.	5,597,000 N., 676,650 E.	Standard soil	Light clay dry 30cm
10+00 S. 3+00 W.	5,597,000 N., 676,600 E.	Standard soil	Medium clay moist 30cm
10+00 S. 3+50 W.	5,597,000 N., 676,550 E.	Standard soil	Medium clay moist 30cm
10+00 S. 4+00 W.	5,597,000 N., 676,500 E.	Standard soil	Light clay moist 30cm
10+00 S. 4+50 W.	5,597,000 N., 676,450 E.	Standard soil	Medium clay dry 30cm
10+00 S. 5+00 W.	5,597,000 N., 676,400 E.	Standard soil	Medium clay dry 30cm
10+00 S. 5+50 W.	5,597,000 N., 676,350 E.	Standard soil	Light clay dry 30cm
10+00 S. 6+00 W.	5,597,000 N., 676,300 E.	N/A	No sample Bog
10+00 S. 6+50 W.	5,597,000 N., 676,250 E.	Standard soil	Medium clay damp 30cm
10+00 S. 7+00 W.	5,597,000 N., 676,200 E.	Standard soil	Medium clay damp 30cm
10+00 S. 7+50 W.	5,597,000 N., 676,150 E.	Standard soil	Light clay dry 30cm
10+00 S. 8+00 W.	5,597,000 N., 676,100 E.	Standard soil	Light clay dry 30cm
10+00 S. 8+50 W.	5,597,000 N., 676,050 E.	Standard soil	Medium clay dry 30cm
10+00 S. 9+00 W.	5,597,000 N., 676,000 E.	Standard soil	Medium clay dry 30cm
10+00 S. 9+50 W.	5,597,000 N., 675,950 E.	Standard soil	Medium clay dry 30cm
10+00 S. 10+00 W.	5,597,000 N., 675,900 E.	Standard soil	Medium clay dry 30cm
10+00 S. 10+50 W.	5,597,000 N., 675,850 E.	Standard soil	Medium clay dry 30cm
10+00 S. 11+00 W.	5,597,000 N., 675,800 E.	Standard soil	Medium clay dry 30cm
10+00 S. 11+50 W.	5,597,000 N., 675,750 E.	Standard soil	Medium clay moist 30cm
10+00 S. 12+00 W.	5,597,000 N., 675,700 E.	Standard soil	Medium clay dry 30cm
10+00 S. 12+50 W.	5,597,000 N., 675,650 E.	Standard soil	Medium clay dry 30cm
10+00 S. 13+00 W.	5,597,000 N., 675,600 E.	Standard soil	Medium clay dry 30cm
10+00 S. 13+50 W.	5,597,000 N., 675,550 E.	Standard soil	Medium clay dry 30cm
10+00 S. 14+00 W.	5,597,000 N., 675,500 E.	Standard soil	Medium clay dry 30cm
10+00 S. 14+50 W.	5,597,000 N., 675,450 E.	Standard soil	Medium clay dry 30cm
10+00 S. 15+00 W.	5,597,000 N., 675,400 E.	Standard soil	Medium clay dry 30cm
10+00 S. 15+50 W.	5,597,000 N., 675,350 E.	Standard soil	Medium clay dry 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
10+00 S. 16+00 W.	5,597,000 N., 675,300 E.	Standard soil	Medium clay dry 30cm
10+00 S. 16+50 W.	5,597,000 N., 675,250 E.	Standard soil	Light clay dry 30cm
10+00 S. 17+00 W.	5,597,000 N., 675,200 E.	Standard soil	Light clay dry 30cm
10+00 S. 17+50 W.	5,597,000 N., 675,150 E.	Standard soil	Medium clay dry 30cm
10+00 S. 18+00 W.	5,597,000 N., 675,100 E.	Standard soil	Medium clay damp 30cm
10+00 S. 18+50 W.	5,597,000 N., 675,050 E.	Standard soil	Medium clay damp 30cm
10+00 S. 19+00 W.	5,597,000 N., 675,000 E.	Standard soil	Medium clay damp 30cm
10+00 S. 19+50 W.	5,597,000 N., 674,950 E.	Standard soil	Light clay dry 30cm
10+00 S. 20+00 W.	5,597,000 N., 674,900 E.	Standard soil	Light clay dry 30cm
10+00 S. 20+50 W.	5,597,000 N., 674,850 E.	Standard soil	Medium clay dry 30cm
10+00 S. 21+00 W.	5,597,000 N., 674,800 E.	Standard soil	Medium clay dry 30cm
10+00 S. 21+50 W.	5,597,000 N., 674,750 E.	Standard soil	Medium clay dry 30cm
10+00 S. 22+00 W.	5,597,000 N., 674,700 E.	Standard soil	Medium clay dry 30cm
10+00 S. 22+50 W.	5,597,000 N., 674,650 E.	Standard soil	Medium clay dry 30cm
10+00 S. 23+00 W.	5,597,000 N., 674,600 E.	Standard soil	Medium clay dry 30cm
10+00 S. 23+50 W.	5,597,000 N., 674,550 E.	Standard soil	Dark clay moist 30cm
10+00 S. 24+00 W.	5,597,000 N., 674,500 E.	Standard soil	Medium clay dry 30cm
10+00 S. 24+50 W.	5,597,000 N., 674,450 E.	Standard soil	Medium clay dry 30cm
10+00 S. 25+00 W.	5,597,000 N., 674,400 E.	Standard soil	Light clay dry 30cm
10+00 S. 25+50 W.	5,597,000 N., 674,350 E.	Standard soil	Light clay dry 30cm
10+00 S. 26+00 W.	5,597,000 N., 674,300 E.	Standard soil	Medium clay damp 30cm
10+00 S. 26+50 W.	5,597,000 N., 674,250 E.	Standard soil	Medium clay damp 30cm
10+00 S. 27+00 W.	5,597,000 N., 674,200 E.	Standard soil	Medium clay damp 30cm
10+00 S. 27+50 W.	5,597,000 N., 674,150 E.	Standard soil	Medium clay dry 30cm
10+00 S. 28+00 W.	5,597,000 N., 674,100 E.	Standard soil	Medium clay dry 30cm
10+00 S. 28+50 W.	5,597,000 N., 674,050 E.	Standard soil	Light silty dry 30cm
10+00 S. 29+00 W.	5,597,000 N., 674,000 E.	Standard soil	Light silty dry 30cm
10+00 S. 29+50 W.	5,597,000 N., 673,950 E.	Standard soil	Light silty dry 30cm
10+00 S. 30+00 W.	5,597,000 N., 673,900 E.	Standard soil	Light silty dry 30cm
10+00 S. 30+50 W.	5,597,000 N., 673,850 E.	Standard soil	Light silty dry 30cm
10+00 S. 31+00 W.	5,597,000 N., 673,800 E.	Standard soil	Medium silty dry 30cm

Total Metal Ion Soil Sample Locations and Descriptions
Continued

Sample Number	U.T.M. Location	Sampling Method	Material Sampled, and Depth
10+00 S. 31+50 W.	5,597,000 N., 673,750 E.	Standard soil	Medium silty dry 30cm
10+00 S. 32+00 W.	5,597,000 N., 673,700 E.	Standard soil	Light silty dry 30cm
10+00 S. 32+50 W.	5,597,000 N., 673,650 E.	Standard soil	Light silty dry 30cm
10+00 S. 33+00 W.	5,597,000 N., 673,600 E.	Standard soil	Light silty dry 30cm
10+00 S. 33+50 W.	5,597,000 N., 673,550 E.	Standard soil	Light silty dry 30cm
10+00 S. 34+00 W.	5,597,000 N., 673,500 E.	Standard soil	Light silty dry 30cm
10+00 S. 34+50 W.	5,597,000 N., 673,450 E.	Standard soil	Light silty dry 30cm
10+00 S. 35+00 W.	5,597,000 N., 673,400 E.	Standard soil	Light silty dry 30cm
10+00 S. 35+50 W.	5,597,000 N., 673,350 E.	Standard soil	Light silty dry 30cm
10+00 S. 36+00 W.	5,597,000 N., 673,300 E.	Standard soil	Dark silty damp 30cm
10+00 S. 36+50 W.	5,597,000 N., 673,250 E.	Standard soil	Medium silty dry 30cm
10+00 S. 37+00 W.	5,597,000 N., 673,200 E.	Standard soil	Light silty dry 30cm
10+00 S. 37+50 W.	5,597,000 N., 673,150 E.	Standard soil	Light silty dry 30cm
10+00 S. 38+00 W.	5,597,000 N., 673,100 E.	Standard soil	Light silty dry 30cm