

**2009 Assessment Report
for the
EXPO Property
Soil Geochemistry and Magnetism Survey
August 4-9, 2009
YMIP # 09-115
Watson Lake Mining District
Yukon Territory
NTS 105 G/1
Latitude: 61° 13'N
Longitude: 130° 15'W**

Quartz Claims

Claim Name/No.	Grant No.	Claim Name/No.	Grant No.
EXPO 9	YB51960	EXPO 223-232	YB52172-52181
EXPO 29-30	YB51980-51981	EXPO 239	YB52188
EXPO 32	YB51983	EXPO 240-249	YB52189-52198
EXPO 47-52	YB51998-52003	EXPO 256	YB52205
EXPO 65-69	YB52016-52020	EXPO 257-271	YB52206-52220
EXPO 77-78	YB52028-52029	FLY 9-14	YB47662-47667
EXPO 81	YB52032	HOME 2	YB47361
EXPO 169-180	YB52118-52129	POP 5-8	YB47650-47653
EXPO 189-200	YB52138-52149	POP 18	YB47385
EXPO 202	YB52151	POP 19-26	YB47654-47661
EXPO 219	YB52168	LYNX 1-18	YC97545-97562
EXPO 221	YB52170	ORE 1-8	YC97563-97570

By:
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March 31 2010

SUMMARY

From August 4 to 9 2009, J.S Berdahl conducted a YMIP funded exploration program on the EXPO Property, in the Watson Lake Mining District, that consisted of geochemical soil sampling and a ground based magnetics survey. This technical report documents the qualifying mineral exploration work conducted during the 2009 program, and has been provided to satisfy the reporting requirements of the the annual assessment reporting and Target Evaluation section of the Yukon Mining Incentives Program (YMIP) .

The EXPO property is located 24 km south of the Wolverine Mine and approximately 150 kms southeast of Ross River. The subject property is presently accessible only by helicopter, but is approximately 10 km from the Wolverine access road. The property consists of 128 quartz mineral claims owned 100% by R.S Berdahl 51% and Tom Mickey 49%.

Berdahl made his initial discovery of 17% combined Pb/Zn in 1992 and optioned the ground to Cominco who added more claims and conducted soils, geophysics and drilled three holes before returning the claims.

The claims forming the core of the property were first staked in 1975 as a potential source of VHMS style mineralization. Between 1975 and 1997 a number of companies and partnerships were involved in exploration programs in the immediate area.

The 2009 soil geochemistry and magnetics surveying on the EXPO 47-50, 65, 67, 172, 174, and 176 claims provided a total of 212 soil geochemistry samples and 21.5 km of magnetics data from a survey grid of approximately 1 km by 1km. Based on this work several strongly coincident soil and mag anomalies were discovered in 2009. Due to the open nature of the coincident soil and mag anomalies on the EXPO 172 and 174 claims and the discovery of other coincident anomalies, a follow up program in 2010 is warranted. This program should consist of further magnetics and soil geochemistry surveys to the south of the 2009 work area. As well, additional prospecting and geological mapping should be conducted to follow up on anomalies identified by the 2009 exploration program.

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1.0 INTRODUCTION

From August 4 to 9 2009, J.S Berdahl conducted a YMIP exploration program on the EXPO property, located in the Watson Lake mining district, Yukon Territory. Historically the EXPO property has been explored by several operators as a potential VMS exploration target. In 2009 a 3 person crew spent 6 days in the field collecting 212 soil geochemical samples and acquiring 21.5 line km of ground based magnetics data from a 1 km by 1 km grid.

This technical report documents the 2009 exploration program on the Quartz Claims comprising the EXPO property and has been produced to satisfy the reporting requirements of the Yukon Mining Incentives Program (YMIP) and the requirements for annual assessment work .

The exploration program was managed by R.S Berdahl, with field supervision by J.S Berdahl. This report has been produced by Derek K. Torgerson B.Sc, P.Geol. with material data provided by R.S Berdahl. The 2009 field program was conducted from August 4 to 9, 2009.

2.0 LOCATION AND ACCESS

The EXPO Property is located 24 km south of the Wolverine Mine and approximately 150 kms southeast of Ross River (Figure 1). Yukon Zincs Wolverine deposit is 20 km to the northeast, and the "Thunderstruck" showing is 14 km to the nothwest. The EXPO property is located on NTS map sheet 105 G/1 and centered at latitude 61° 13'N and longitude 130° 15'W.

Access to within 10 km of the property is by way of the gravel, all weather access road to the Wolverine Mine and Mill complex off the Robert Campbell Highway. Direct access to the EXPO property is by helicopter there after.

3.0 CLAIM INFORMATION

The EXPO Property is in the Watson Lake Mining District and consists of 128 contiguous Quartz Claims acquired in accordance with the Yukon Quartz Mining Act. The claims are registered in the name of, and owned 100% by R.S Berdahl and/or J.S Berdahl. The claim location map is included in Figure 2. The 2009 exploration program was conducted on the EXPO 47-50, 65, 67, 172, 174, and 176 claims. These claims are owned 51% by R.S Berdahl.49% T. Mickey.

Property Location
Expo Property
Ron Berdahl
January 2010



Alaska

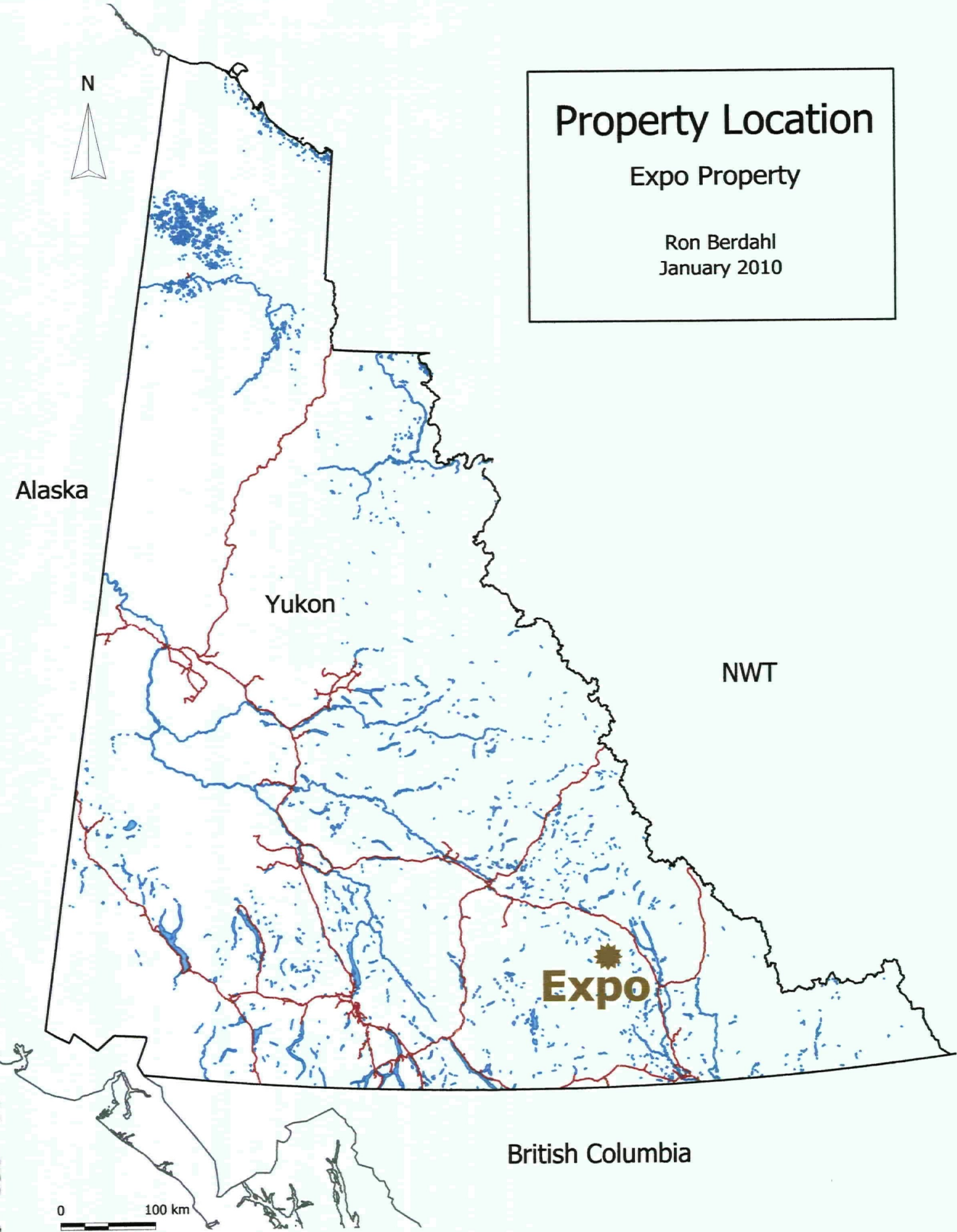
Yukon

NWT

Expo

British Columbia

0 100 km



Quartz

Claims

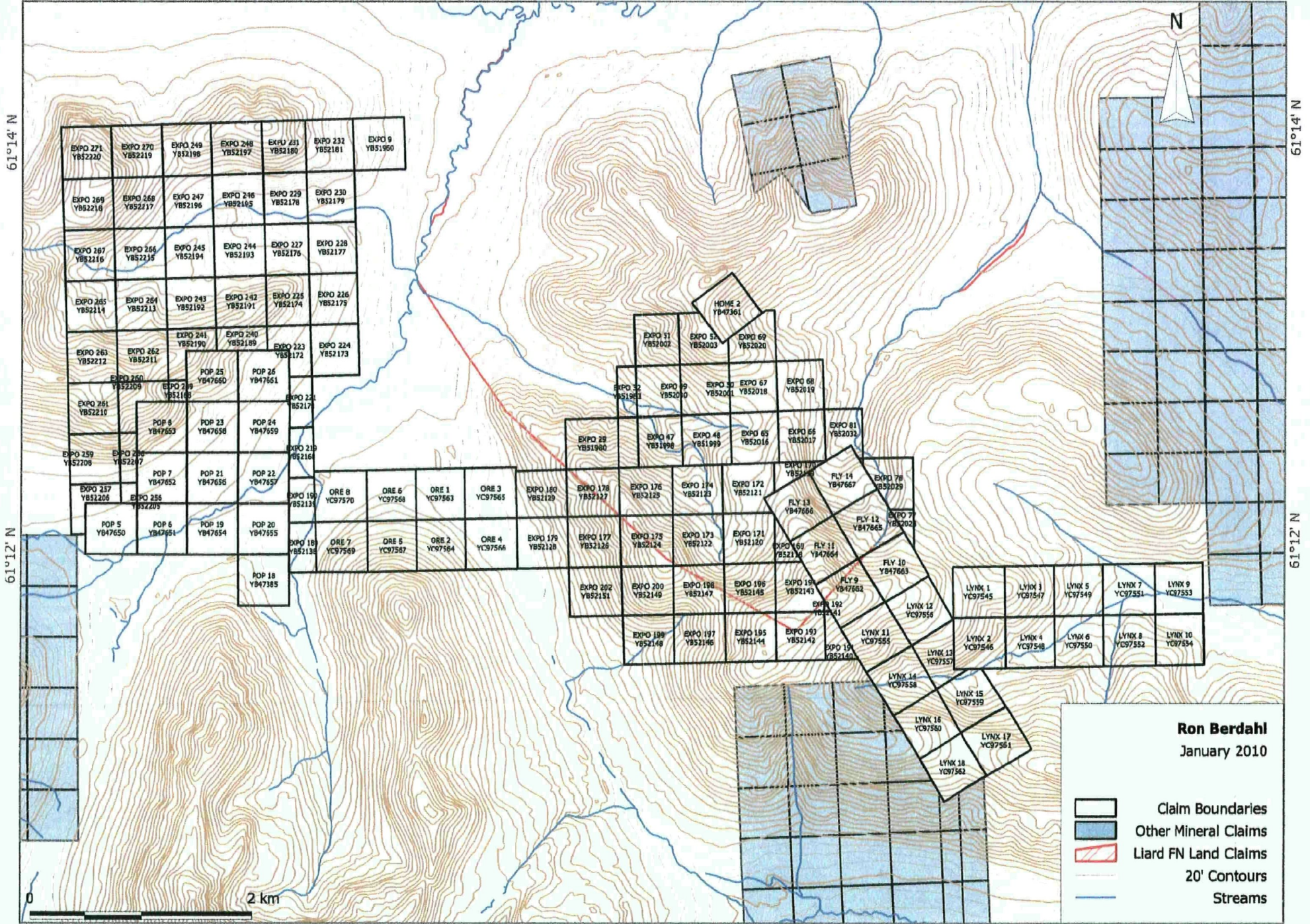
Table

Claim Name/No.	Grant No.	Expiry Date
EXPO 9	YB51960	2011-05-15
EXPO 29-30	YB51980-51981	2015-05-15
EXPO 32	YB51983	2015-05-15
EXPO 47-52	YB51998-52003	2015-05-15
EXPO 65-69	YB52016-52020	2015-05-15
EXPO 77-78	YB52028-52029	2013-05-15
EXPO 81	YB52032	2015-05-15
EXPO 169-176	YB52118-52125	2015-05-15
EXPO 177	YB52126	2013-05-15
EXPO 178	YB52127	2015-05-15
EXPO 179-180	YB52128-52129	2013-05-15
EXPO 189-190	YB52138-52139	2011-05-15
EXPO 191-200	YB52140-52149	2013-05-15
EXPO 202	YB52151	2013-05-15
EXPO 219	YB52168	2011-05-15
EXPO 221	YB52170	2011-05-15
EXPO 223-232	YB52172-52181	2011-05-15
EXPO 239	YB52188	2011-05-15
EXPO 240-249	YB52189-52198	2011-05-15
EXPO 256	YB52205	2011-05-15
EXPO 257-271	YB52206-52220	2011-05-15
FLY 9-10	YB47662-47663	2013-04-15
FLY 11-14	YB47664-47667	2015-04-15
HOME 2	YB47361	2015-04-15
POP 5-8	YB47650-47653	2011-04-15
POP 18	YB47385	2011-04-15
POP 19-26	YB47654-47661	2011-04-15
LYNX 1-18	YC97545-97562	2010-08-20
ORE 1-8	YC97563-97570	2010-08-20

130°16' W

130°12' W

130°08' W



61°14' N

61°12' N

61°14' N

61°12' N




130°16' W

130°12' W

130°08' W

EXPO PROPERTY - Claim Locations Overview

Ron Berdahl
January 2010

-  Claim Boundaries
-  Other Mineral Claims
-  Liard FN Land Claims
-  20' Contours
-  Streams

1 : 45 000
Mapsheet 105 G 01

4.0 PHYSIOGRAPHY AND CLIMATE

The EXPO property is located in the Pelly Mountains. The property is characterized by moderate relief that is generally less than 2100 m of elevation. The property is covered by black spruce, white spruce, pine, poplar, birch and alder trees, with abundant willow and buck brush occurring in the lower elevations.

Outcrop on the property is sparse below treeline at 1300 m; and exists primarily only in creek beds above this elevation.

The climate of the property area is generally fairly dry in the summer months with most precipitation occurring in July and early August. Temperatures generally range from -40°C in the winter to 30°C in the summer. Snow begins accumulating in mid to late September and is mostly melted by mid to late May.

5.0 PROPERTY HISTORY

The EXPO property is currently comprised of the EXPO, HOME, FLY, LYNX, ORE and POP claims.

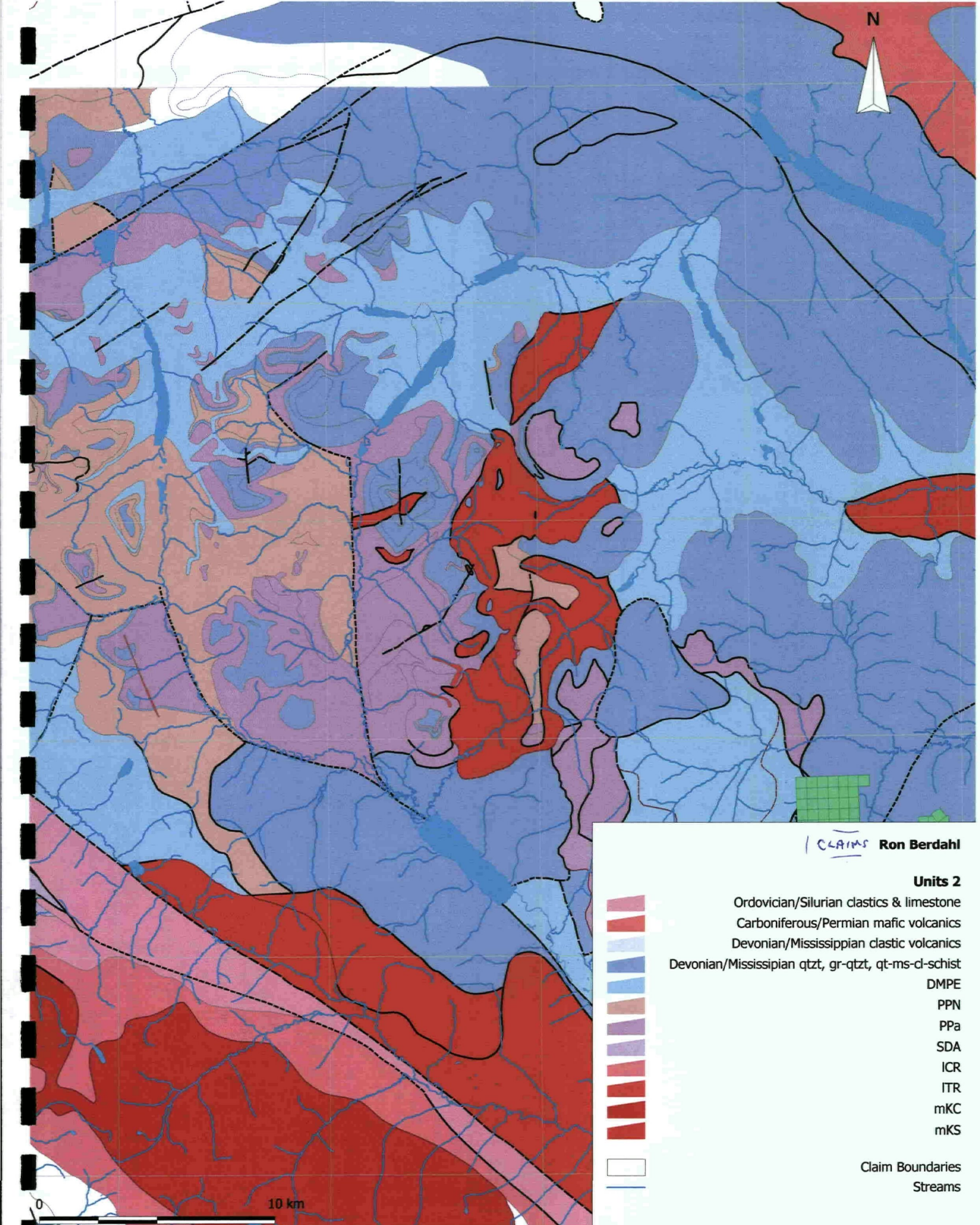
In 1975, Cyprus Anvil Mining Corp. discovered the Arkhurst showing located approximately 1 km to the west of what was then know as the HOME property. During that same year Cyprus Anvil conducted grid soil sampling and a mag survey. The claims were subsequently allowed to lapse.

In 1975 Cyprus Anvil also discovered the Py showing located approximately 3 km south of the FLY property. During this year an IP survey and a grid soil geochemistry survey were conducted. The claims were allowed to lapse and have been restaked several times between 1988 and 1994.

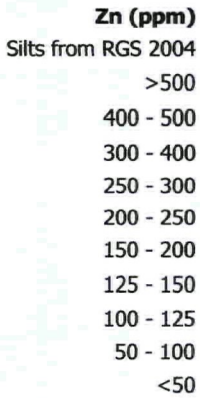
In 1992 R. Berdahl, following up on government released RGS data, discovered banded Pb/Zn mineralization assaying 17% combined Pb/Zn. Also in this year Mr. Berdahl discovered a 100-foot thick bed of massive barite approximately 2 km to the southeast. The property was hence staked as the EXPO property.

In 1992 Cominco discovered the ABM deposit located 35 km to the north-west, and subsequently optioned the EXPO property from Mr. Berdahl.

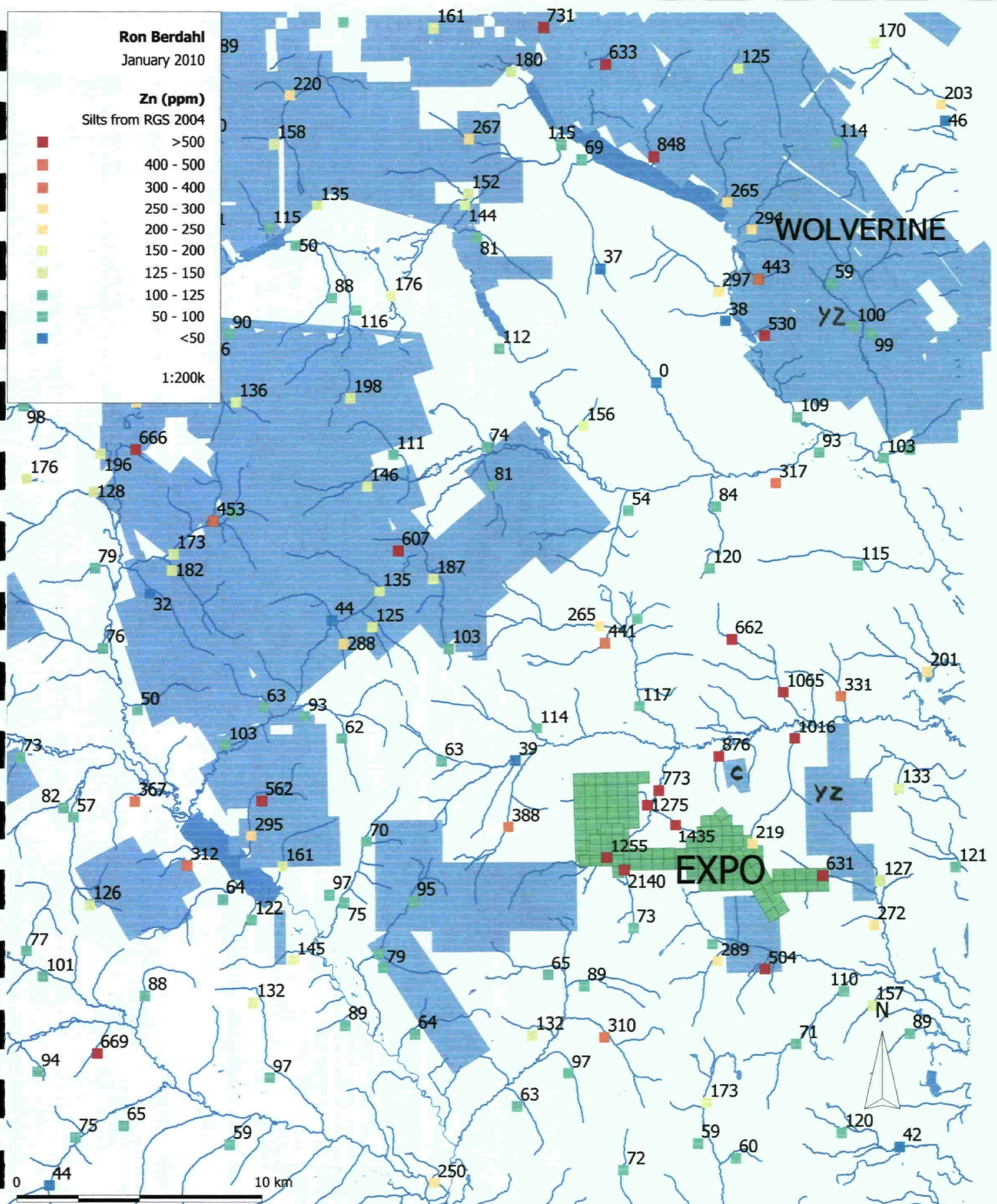
Between 1994 and 1997 Cominco performed contour soil geochemistry sampling, property scale geological mapping and prospecting, geophysics (HLEM/MAG, gravity) and drilled three diamond drill holes. The drill holes were designed to test HLEM conductors in an attempt to locate VMS style mineralization. These three holes subsequently intersected VMS style mineralization although at uneconomical grades and intervals. In 1996 Cominco also commissioned the completion of 670 km of airborne electromagnetic and magnetic surveys over the EXPO property. Following the



Ron Berdahl
January 2010



1:200k



EXPO REGIONAL OVERVIEW

1997 program Cominco allowed the option agreement to expire and the EXPO property was returned to R. Berdahl.

In 1998, emeralds were discovered approximately 16 km to the west-northwest by Archer, Cathro and Associates. Reanalysis of Cominco's work on the EXPO claims found high Chromium numbers, especially on the most westerly block. Beryllium was not tested for in Cominco's historical work.

In 2003 R. Berdahl returned to the EXPO property and conducted a program of prospecting and geochemical sampling in an attempt to ascertain if intrusives in the area contained Beryllium and if beryl or gem beryl mineralization could be located on the surface. Work was also conducted in 2003 to further determine the VMS potential of the EXPO property. Results of the program failed to indicate any gem potential of the property but several new VMS style showings were discovered.

In 2005 a program of prospecting and soil sampling was conducted by Mr. Berdahl. The 2005 program was aimed at further delineating the extent of the mineralized zones discovered in previous years. . Approximately 300 soil and rock samples were collected, primarily on two grids located on the East and West blocks. On the west block significant results included the discovery of a boulder of disseminated Pb/Zn. The Zn/Au soil geochemistry anomaly discovered in 2003 on the east block was better defined with additional soil sampling. Results of this soil survey extended the soil anomaly over 800 m and indicated it to be open along strike in both directions.

6.0 GEOLOGY

6.1 REGIONAL GEOLOGY

The regional geology was described by Mortensen (1983a) and from Mortensen and Jillson (1985), and is shown in Figure 3.

The Yukon Tannana Terrain (YTT) consists of a sequence of metamorphosed rocks comprising a "lower unit" of pre-Devonian quartzite, pelitic schist and minor marble, a late Devonian to mid-Mississippian "middle unit" comprising carbonaceous phyllite and schist with interbanded mafic and, locally significant, felsic metavolcanics and an "upper unit" Pennsylvanian marbles and quartzite. Volcanism within the "middle unit" was accomplished by the intrusion of 2-3, late Devonian to Mississippian, mafic to felsic metaplutonic suites (Simpson Range suite and augen and monzonitic orthogneisses). This sequence appears to reflect stable platformal or shelf sedimentation with an intervening period of mafic to felsic arc volcanism developed within a more reduced basinal setting.

The late Devonian to Triassic Slide Mountain Terrane (SMT) is composed of heterogeneous package of mafic to ultramafic plutonic rocks, mafic volcanics, massive carbonates and cherts. This sequence is generally accepted to be structurally emplaced as thrust bounded klippen on YTT rocks or as thrust slices imbricated within YTT rocks

during a period of crustal shortening.

Late Triassic immature clastics composed of micaceous argillites, siltstones and sandstones unconformably (?) overlie the deformed and metamorphosed YTT rocks. These sediments are often closely associated with SMT volcanics and are invariably in fault contact with YTT rocks.

The SMT, Late Triassic sediments and Late Triassic to Middle Jurassic plutons are all affected by a period of Middle Jurassic to Late Cretaceous thrust faulting, during which the Finlayson Lake Fault Zone was formed. This complex fault zone contains both thrust and steep, transcurrent (?) faults and separates the YTT from autochthonous North America.

6.2 PROPERTY GEOLOGY AND MINERALIZATION

The focus of the 2009 exploration program was on the Akhurst Creek area. The geology of this area is taken from the work of Cominco's geologist P.A MacRobbie (1995).

The Akhurst area is located above treeline and outcrop exposure is generally poor. The stratigraphy in the work area is generally northwest to southwest trending with shallow to moderate dips and can be divided into 3 generalized units. The uppermost unit is exposed in the mountain peak area and comprises a thick sequence of locally strongly rusty weathering and Fe-carbonate altered, cream to light green grey, fine grained, granular, homogenous quartz-feldspar-sericite/muscovite chlorite schist which primarily exhibits a massive bedded character. These fine felsic tuffs locally grade into crystal tuffs containing up to 35%, light grey to white feldspar and clear grey quartz crystals. These tuffs are intercalated with a series of creamy white to light grey to rusty weathering, dense, siliceous and fine grained rocks locally containing up to 10% euhedral, clear quartz phenocrysts, <0.5 mm in size, and white feldspar laths up to 1 mm, interpreted as felsic flows and/ or sills/ dykes and minor chloritic mafic flows/tuffs (?). Underlying this unit is an epiclastic dominated interval with mixed siliceous and variably carbonaceous phyllitic mudstone, minor siltstone and fine grained pyritic felsic tuffs. This interval contains several barite occurrences associated with pyritic felsic tuffs. This epiclastic dominated unit grades into another, underlying, felsic volcanoclastic dominated interval.

The Akhurst Creek showings comprise abundant float cobbles and boulders of black, very fine grained, laminated magnetite-silica-barite Fe-formation containing very fine grained wispy pyrite-sphalerite and trace galena-chalcopyrite. Historical grab samples returned up to 3.6% Zn, 0.7% Pb, 0.3% Cu, 37.8 g/t Ag and 9.5% Ba. The regional significance of this baritic, magnetite Fe-formation and its stratigraphic position remain uncertain.

Figure 3. Regional Geology.

7.0 2009 EXPLORATION PROGRAM

The 2009 exploration program at the EXPO property consisted of a ground based total field magnetics survey and a soil geochemistry survey. A total of 212 soil geochemistry samples were collected from a grid of approximately 1 km by 1km covering parts of the EXPO 47-50, 65, 67, 172, 174, and 176 claims. The magnetics survey was conducted over the same grid area as the soil survey with the addition of two 750 m north-south tie lines to the west. The 2009 exploration grid was centered over Akhurst Creek, Upper and Lower Akhurst Creeks and covered the largely overburden covered slopes elevating out of these creek cuts. Several high grade barite showings were covered by this grid. The 2009 EXPO program was conducted over six days during the period of August 4-9, 2009 by a three person crew consisting of Scott Berdahl, Milada Pardovicova, and Cole Pearson.

7.1 GEOPHYSICAL SURVEY METHOD

Raw Magnetics data is included in Appendix II, gridded magnetics maps are in Appendix III.

The magnetics surveys was conducted with two GSM-19T proton magnetometers manufactured by GEM Systems of Richmond, BC. One magnetometer was equipped with a GPS unit and was used as a mobile "walk mag" sensor to cover the survey grid lines. The second magnetometer was used simultaneously as a stationary "base mag" to monitor diurnal variations in the regional magnetic field.

Survey grid lines at the EXPO property were spaced at 50 m intervals and oriented on a north-south azimuth and covered a 1 km by 1 km grid plus an additional two 750 m tie-lines to the west of the grid. The EXPO magnetics survey covered a total of 21.5 line km of surveying. The mobile magnetometer unit was configured to take readings every 2 s during travel along these lines; at walking speeds this corresponded to roughly 1 reading for every 1.5 m of line. The magnetics survey collected a total of 18685 readings over the grid area. The base station magnetometer took 1 reading every 12 s. This data was downloaded on a daily basis and was used to correct the mobile magnetics data for fluctuations in the regional magnetic field.

The magnetic data was corrected for diurnal variation in the regional magnetic field after the survey by subtracting the total field strength at the base station from the concurrent strength measured by the mobile "walk magnetometer" a datum field strength was added to this calculated result. Mobile magnetometer readings taken at time intervals between readings of the base station required a base station magnetic field value which was obtained by linearly interpolating the field strength between the two adjacent readings. The base field strength datum added was calculated separately for the survey by averaging the values of the readings taken by the base station for that survey. Readings with inadequate signal quality were removed from the data.

7.2 GEOCHEMICAL SURVEY AND ANALYTICAL METHOD

Soil Geochemistry Analytical Certificates are in Appendix IV, maps are presented in Appendix V.

A total of 212 soil geochemistry samples were collected on the 1 km by 1 km EXPO grid. Grid lines were orientated on a north-south azimuth and were spaced at 100 m intervals for a total of 10 lines. A total of 21 samples were collected along each north-south gridline for a station spacing of one sample per 50 m. Individual soil sample locations were uploaded to a non differential hand held GPS, and navigated to in the field by the soil sampler. Soil sample locations and gridded geochemistry maps are included in Appendix III, gridded total field magnetics map is included in Appendix IV

Individual soil samples were collected with hand augers, supplemented by maddox picks and small shovels. Samples were collected from the B horizon. Depth of sampling ranged from 25-70 cm with an average depth of 45 cm.

All samples were collected in individual kraft paper sample bags and were hung to be air dried in a secure shop in Whitehorse. Once dried samples were sealed in 5 gallon plastic pails and sent to Acme labs in Vancouver, B.C via Greyhound bus. Upon arrival at ACME's Vancouver laboratory facility samples were analyzed using their 1DX1 36 element ICP-MS process. Upon arrival at ACME soil samples are dried at 60 C and a 100g sample is sieved to an -80 mesh. A 0.5 g split is then leached using a hot (95 C) Aqua Regia digestion and finished with a 36 element ICP-MS analysis.

ACME Labs in Vancouver is an ISO 9001-2000 accredited assaying facility and is recognized as providing its clients with industry leading assaying techniques and quality assurance protocols.

8.0 CONCLUSIONS AND RECOMMENDATIONS

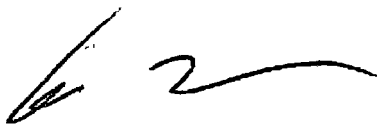
The 2009 YMIP funded exploration program conducted at the EXPO property was focused on further evaluating the VHMS potential of the property. The 1 km by 1 km soil and mag grid was centered over Akhurst Creeks and covered several barite showings located along these creeks. The EXPO property is underlain by late Devonian to mid-Mississippian, "middle unit" felsic metavolcanics and carbonaceous phyllite and schist with interbanded mafic metavolcanics of the Yukon Tanana Terrane which are a favourable geology to host VHMS style mineralization in this area.

The information collected from the 2009 work program indicates a fairly strong correlation between buried magnetic features and anomalous Zn/Pb/Cu/Ag/Au in soils. Soil samples collected on the EXPO 50 claim along line 09G1H between stations 50 and 200 defined a

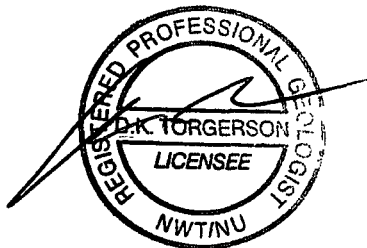
cigar shaped zone of anomalous Zn/Pb/Cu/Ag/Au soil geochemistry. This feature returned assays as high as 1670 ppm Zn, 563.7 ppm Pb, 353 ppm Cu, 13.1 ppm Ag and 41.4 ppb Au, and represented a 57788 to 58000 nt magnetic field strength anomaly. Another area of particular interest straddles the EXPO 172 and 174 claims and covers sample lines 09G1H and 09G1I from samples 950 to 1000. This zone of anomalous Zn/Pb/Cu/Ag/Au soil geochemistry returned assays as high as 2110 ppm Zn, 91.8 ppm Pb, 282.1 ppm Cu, 5.1 ppm Ag and 7.7 ppb Au, and represented a 57788 to 58000 nt magnetic field strength anomaly. This soil and geophysical anomaly is open to the south and warrants further follow up soil geochemistry and magnetics surveying. The nature of the mineralization in the Akhurst Creek area is a laminated magnetite-silica-barite Fe-formation containing very fine grained wispy pyrite-sphalerite and trace galena-chalcopyrite. This style of mineralization would thus provide a strong correlation between soil geochemistry and total magnetic field strength.

Due to the open nature of the coincident soil and mag anomalies on the EXPO 172 and 174 claims and the discovery of other coincident anomalies, a follow up program in 2010 is warranted. This program should consist of further magnetics and soil geochemistry surveys to the south of the 2009 work area. As well, additional prospecting and geological mapping should be conducted to follow up on anomalies identified by the 2009 exploration program.

Respectfully Submitted



Derek K. Torgerson P.Geol



9.0 STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES 2009 EXPO PROJECT

WAGES

Prep Time (includes project setup, hiring, admin)		
Geologist	4 man days @ \$450/day	\$1,800.00
Field Time		
Samplers	8 man days @ \$325/day	\$2,600.00
Geologist	4 man days @ \$450/day	\$1,800.00
Mob/Demob		
	6 man days @ 300/day	\$1,800.00

ANALYTICS

Soil Analysis	ACME 1DX1 pkg 212 soils @ \$17.02ea	\$3,608.24
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TRAVEL

Helicopter	Kluane Air from Finlayson to EXPO return	\$4,222.50
Vehicle	2 4x4 Trucks 1,000 km ea @ 0.59/km	\$1,180.00

PER DIEM

Food, Consumables, Safety Equip	18 man days @ \$50/day	\$900.00
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RENTAL

2 GEM System Magnetometers(19T & 19WT) computer, gen set, sat phone, gps		\$2,025.00
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REPORT PREPARATION

\$1,500.00

TOTAL

\$21,435.74

10.0 REFERENCES

**Berdahl, R. S., 2004. 2003 Assessment Report. Finlayson Project
Prospecting and Geochemical Sampling**

**MacRobbie, P. A., 1995. 1994 Assessment Report. POP, BASE, HOME,
RUN, BALL, FLY and BAT (EXPO Properties). Linecutting, ground
geophysics (HLEM/MAG) and gravity soil geochemistry and geological
mapping. AR #093338.**

**Mortensen, J.K., 1983a. Age and Evolution of the Yukon-Tanana Terrane, Southeastern
Yukon Territory (Ph.D. Thesis); Santa Barbara, University of California**

**Mortensen, J.K and Jilson, G.A, 1985. Evolution of the Yukon-Tanana Terrane:
Evidence From Southeastern Yukon Territory; Geology, 13. p. 806-810.**

APPENDIX I

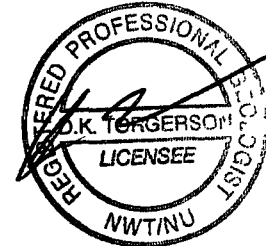

STATEMENT OF QUALIFICATIONS

Statement of Qualifications

I, Derek Torgerson, P. Geol., certify that:

1. I am a contract geologist employed by Casselman Geological Services and reside at 2 Cranberry Place, Whitehorse, Yukon Territory, Y1A 5W5.
2. I graduated from Brock University in St. Catharines, Ontario with a dual major Bachelor of Science Degree with distinction in Geology and Environmental Science in 1994 and have worked as a geologist since 2004.
3. I am a member of the North West Territories Association of Professional Engineers, Geologists and Geophysicists (NAPEGG), Licencee No. L2043
4. I prepared the report titled 2009 Assessment Report for the EXPO Property Soil Geochemistry and Magnetics Survey August 4-9, 2009, for R.S Berdahl

Dated this 30 day of march, 2010, at Whitehorse, Yukon Territory.



Derek K Torgerson, BSc., P.Geol.

Appendix II
MAGNETICS RAW DATA

Appendix III
MAGNETICS MAPS

130°12'00" W

130°11'00" W

N



EXPO 32
YBS1983

EXPO 49
YBS2000

EXPO 50
YBS2001

EXPO 67
YBS2018

EXPO 30
YBS1981

EXPO 47
YBS1996

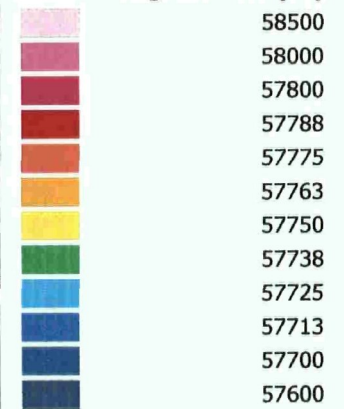
EXPO 48
YBS1999

61°12'30" N

61°12'30" N

Ron Berdahl
Surveyed August 2009

Magnetic Field (nT)



Claim Boundaries
 100' Contours
 Streams

0 400 m

130°12'00" W

EXPO 174
YBS2123

EXPO
YBS2123

130°11'00" W

EXPO PROPERTY

Total Field Magnetics

Mapsheets 105 G 01

Appendix IV

GEOCHEMICAL ANALYTICAL CERTIFICATES



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Berdahl, Ron**
Box 11250
Whitehorse YT Y1A 6N4 Canada

Submitted By: Ron Berdahl
Receiving Lab: Canada-Vancouver
Received: August 24, 2009
Report Date: September 10, 2009
Page: 1 of 9

CERTIFICATE OF ANALYSIS

VAN09003785.1

CLIENT JOB INFORMATION

Project: EXPO
Shipment ID:
P O Number:
Number of Samples: 212

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	212	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	212	Dry at 60C			VAN
1DX1	209	1 1 1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
1DX3	3	1 1 1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN

SAMPLE DISPOSAL

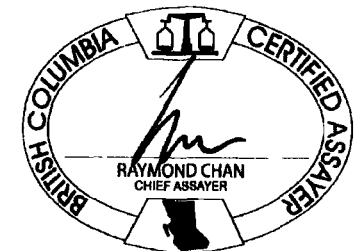
DISP-PLP: Dispose of Pulp After 90 days
DISP-RJT-SOIL: Immediate Disposal of Soil Reject

ADDITIONAL COMMENTS

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

Invoice To: **Berdahl, Ron**
Box 11250
Whitehorse YT Y1A 6N4
Canada

CC: **Scott Berdahl**



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All results are considered the confidential property of the client Acme assumes the liabilities for actual cost of analysis only
*** astensk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements



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Project: EXPO
Report Date: September 10, 2009

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CERTIFICATE OF ANALYSIS

VAN09003785 1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
09G1 A000	Soil	28	298	35.1	110	10	206	53	291	2.19	150	10	07	90	5	05	37	07	15	<0.01	0.049
09G1 A050	Soil	153	110.3	199.8	362	17	780	79	768	4.97	2566	39	08	32	48	08	153	11	28	0.15	0.288
09G1 A100	Soil	38	52.2	69.0	153	09	305	116	687	3.17	776	13	12	26	7	24	30	18	14	0.03	0.071
09G1 A150	Soil	63	108.4	14.9	242	11	64.6	123	538	3.57	750	14	62	11	15	17	56	06	11	0.13	0.089
09G1 A200	Soil	20	37.9	33.5	179	02	227	120	910	4.07	903	20	93	26	14	11	2.4	0.4	44	0.19	0.162
09G1 A250	Soil	77	133.2	79.1	456	14	166.0	389	1057	7.14	880	27	87	35	29	20	4.9	3.4	66	0.27	0.123
09G1 A300	Soil	30	45.6	18.8	181	17	45.5	67	555	1.97	246	54	95	05	50	28	3.2	10	30	0.94	0.088
09G1 A350	Soil	22.1	104.3	72.7	415	35	108.8	110	301	6.02	1285	5.1	65	3.1	26	2.1	12.2	50	189	0.24	0.552
09G1 A400	Soil	14.1	119.8	137.5	592	2.1	112.5	154	558	4.31	1127	6.1	14.2	5.6	36	4.1	11.9	3.9	69	0.24	0.150
09G1 A450	Soil	80	138.7	17.6	1809	08	344.9	766	1439	7.22	5010	4.9	90	2.1	42	12.9	160	2.1	92	0.61	0.192
09G1 A500	Soil	100	120.4	18.7	1241	11	241.6	457	833	6.30	3402	2.4	97	2.2	40	8.1	21.5	20	94	0.67	0.194
09G1 A550	Soil	220	171.3	48.6	881	07	221.9	303	723	7.56	1001	2.8	83	2.7	43	3.2	57.7	15	58	0.13	0.276
09G1 A600	Soil	49	100.5	15.4	394	08	111.4	185	238	5.34	1116	1.9	170	2.2	26	40	9.1	5.2	73	0.22	0.181
09G1 A650	Soil	62	96.8	11.9	269	06	100.6	222	521	5.01	824	1.5	52	5.1	35	10	6.8	0.9	48	0.17	0.116
09G1 A700	Soil	89	126.9	11.6	471	05	170.8	407	590	6.49	858	2.3	55	2.2	41	14	9.7	14	76	0.23	0.197
09G1 A750	Soil	21	126.4	12.0	759	08	191.7	301	482	6.68	1172	1.1	27.1	2.1	39	3.5	8.9	4.3	72	0.56	0.219
09G1 A800	Soil	33	99.6	11.1	855	04	160.8	347	569	6.55	4073	1.3	16.9	2.8	37	3.9	23.9	1.6	63	0.39	0.154
09G1 A850	Soil	17	113.2	15.4	228	05	147.7	288	411	6.04	749	0.6	29.5	1.7	31	0.8	5.5	1.9	79	0.23	0.174
09G1 A900	Soil	23	153.6	12.4	162	07	134.9	248	329	6.81	1122	0.9	17.3	3.7	38	0.7	13.1	10.5	62	0.10	0.191
09G1 A950	Soil	39	44.9	19.4	109	04	31.5	59	122	3.48	621	10	4.5	7.7	18	0.2	14.6	0.7	16	<0.01	0.073
09G1 A1000	Soil	3.8	35.7	16.8	96	03	23.9	42	86	2.75	658	0.9	6.6	5.9	12	0.2	20.0	0.8	11	<0.01	0.054
09G1 B000	Soil	193	72.2	133.2	338	26	72.2	44	194	2.52	897	30	1.0	0.6	76	1.5	9.2	2.9	109	0.06	0.134
09G1 B050	Soil	37.6	81.6	58.2	717	07	125.1	154	550	4.22	1473	6.4	1.0	0.4	29	2.9	8.7	2.6	126	0.10	0.184
09G1 B100	Soil	60	108.6	48.4	225	16	62.7	77	1162	2.41	622	8.6	1.8	10	51	8.2	4.7	1.9	55	0.55	0.155
09G1 B150	Soil	12	140.6	52.1	86	15	317.4	506	3189	10.10	651	17	9.1	6.8	16	0.7	2.9	9.7	144	0.55	0.190
09G1 B200	Soil	67	59.4	54.2	224	06	89.1	137	667	3.78	1095	17	14	3.6	11	0.6	5.6	3.7	34	0.03	0.059
09G1 B250	Soil	28	101.4	17.5	169	05	277.5	639	1444	10.20	462	0.9	6.1	2.4	33	0.3	2.6	1.1	180	0.50	0.214
09G1 B300	Soil	16	59.7	33.5	193	03	261.3	593	1449	10.38	259	1.5	13	1.2	47	1.1	2.3	0.4	144	0.85	0.170
09G1 B350	Soil	162	78.2	43.7	428	04	90.2	131	339	3.89	949	5.1	13.1	0.9	28	2.2	10.9	2.5	77	0.16	0.138
09G1 B400	Soil	447	820	588	629	15	199.3	102	102	5.28	1357	5.8	17	4.4	41	11	10.9	5.1	313	0.39	0.777

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Project: EXPO
 Report Date: September 10, 2009

Page: 2 of 9 Part: 2

CERTIFICATE OF ANALYSIS

VAN09003785 1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX30	1DX30	1DX30	1DX30		
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Mo	Cu	Pb	Zn	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	1	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	0.1	0.1	0.1	1	
09G1 A000	Soil	36	3	0.02	269	0.002	<20	0.32	0.003	0.03	0.2	0.02	0.7	<0.1	<0.05	1	1.3	NA	NA	NA	NA
09G1 A050	Soil	10	7	<0.01	197	0.004	<20	0.26	0.004	0.05	<0.1	0.04	1.0	0.4	0.10	1	11.4	NA	NA	NA	NA
09G1 A100	Soil	19	7	0.05	269	0.001	<20	0.34	0.003	0.05	<0.1	0.04	0.7	<0.1	<0.05	1	3.1	NA	NA	NA	NA
09G1 A150	Soil	11	4	0.04	206	0.001	<20	0.18	0.003	0.04	<0.1	0.08	0.7	0.1	0.06	<1	3.3	NA	NA	NA	NA
09G1 A200	Soil	22	7	0.09	365	0.001	<20	0.66	0.004	0.08	<0.1	0.05	3.2	<0.1	0.05	2	1.8	NA	NA	NA	NA
09G1 A250	Soil	13	89	1.28	295	0.003	<20	1.26	0.002	0.03	<0.1	0.14	5.6	<0.1	0.17	6	4.0	NA	NA	NA	NA
09G1 A300	Soil	9	16	0.28	198	0.011	<20	0.64	0.007	0.03	<0.1	0.11	0.7	<0.1	0.08	2	3.2	NA	NA	NA	NA
09G1 A350	Soil	18	38	0.27	901	0.012	<20	0.91	0.003	0.03	0.2	0.10	1.7	<0.1	<0.05	4	8.9	NA	NA	NA	NA
09G1 A400	Soil	26	28	0.39	1181	0.012	<20	0.75	0.007	0.09	0.1	0.17	2.5	0.2	0.18	3	7.6	NA	NA	NA	NA
09G1 A450	Soil	16	163	1.78	559	0.114	<20	1.62	0.007	0.23	0.1	0.08	4.7	0.6	0.11	6	5.5	NA	NA	NA	NA
09G1 A500	Soil	15	150	1.80	530	0.109	<20	1.65	0.008	0.34	0.2	0.08	4.3	0.6	0.08	7	5.6	NA	NA	NA	NA
09G1 A550	Soil	16	18	0.04	567	0.005	<20	0.39	0.004	0.05	0.3	0.03	3.1	0.2	0.10	2	11.8	NA	NA	NA	NA
09G1 A600	Soil	27	94	0.95	651	0.115	<20	1.46	0.006	0.05	<0.1	0.08	3.3	0.2	0.10	6	4.9	NA	NA	NA	NA
09G1 A650	Soil	30	52	0.65	306	0.055	<20	0.74	0.006	0.17	0.1	0.02	2.1	0.3	0.41	3	3.0	NA	NA	NA	NA
09G1 A700	Soil	24	66	0.88	285	0.112	<20	1.25	0.010	0.12	0.1	0.03	2.5	0.3	0.24	5	4.9	NA	NA	NA	NA
09G1 A750	Soil	22	194	1.92	1686	0.159	<20	1.88	0.013	0.17	0.1	0.16	5.1	0.5	0.35	7	5.5	NA	NA	NA	NA
09G1 A800	Soil	22	90	0.82	451	0.106	<20	1.30	0.010	0.08	0.6	0.08	5.2	0.4	0.20	4	3.2	NA	NA	NA	NA
09G1 A850	Soil	16	158	1.46	753	0.280	<20	2.14	0.013	0.30	<0.1	0.05	4.1	0.6	0.32	8	3.4	NA	NA	NA	NA
09G1 A900	Soil	29	113	1.01	293	0.161	<20	1.44	0.016	0.07	<0.1	0.07	4.4	0.2	0.26	5	7.9	NA	NA	NA	NA
09G1 A950	Soil	24	11	0.03	207	0.010	<20	0.25	0.003	0.08	<0.1	0.11	1.1	0.2	0.15	2	6.2	NA	NA	NA	NA
09G1 A1000	Soil	25	10	0.03	138	0.004	<20	0.17	0.002	0.05	<0.1	0.05	0.8	0.1	0.12	1	7.8	NA	NA	NA	NA
09G1 B000	Soil	22	21	0.04	582	0.008	<20	0.45	0.004	0.09	0.2	0.02	0.7	0.2	0.19	4	7.6	NA	NA	NA	NA
09G1 B050	Soil	20	22	0.12	466	0.003	<20	0.49	0.003	0.06	0.1	0.05	0.6	0.1	0.10	2	7.9	NA	NA	NA	NA
09G1 B100	Soil	15	11	0.18	1022	0.003	<20	0.82	0.006	0.04	0.1	0.09	1.0	0.2	0.11	3	4.8	NA	NA	NA	NA
09G1 B150	Soil	74	206	2.90	267	0.004	<20	3.61	0.002	0.01	<0.1	0.04	14.5	0.2	0.13	13	4.8	NA	NA	NA	NA
09G1 B200	Soil	21	36	0.30	195	0.002	<20	0.71	0.002	0.04	<0.1	0.02	1.5	0.1	0.07	3	3.4	NA	NA	NA	NA
09G1 B250	Soil	20	317	3.61	287	0.006	<20	3.37	0.003	0.02	<0.1	0.03	14.0	0.1	0.09	13	1.2	NA	NA	NA	NA
09G1 B300	Soil	10	397	1.77	410	0.020	<20	1.74	0.006	0.05	<0.1	0.03	12.4	0.5	0.11	8	2.5	NA	NA	NA	NA
09G1 B350	Soil	22	21	0.29	709	0.004	<20	0.95	0.004	0.06	<0.1	0.05	1.2	0.2	0.06	3	3.7	NA	NA	NA	NA
09G1 B400	Soil	24	40	0.16	608	0.010	<20	0.94	0.004	0.06	0.3	0.04	1.9	0.1	0.05	5	11.5	NA	NA	NA	NA

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Report Date: September 10, 2009

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CERTIFICATE OF ANALYSIS

VAN09003785 1

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba
Unit	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm
MDL	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	1	0.01	1
09G1 A000	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A050	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A100	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A150	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A200	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A250	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A300	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A350	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A400	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A450	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A500	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A550	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A600	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A650	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A700	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A750	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A800	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A850	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A900	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A950	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A1000	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B000	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B050	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B100	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B150	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B200	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B250	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B300	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B350	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B400	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Project: EXPO
 Report Date: September 10, 2009

Page: 2 of 9 Part: 4

CERTIFICATE OF ANALYSIS

VAN09003785-1

Method	Analyte	Unit	MDL	1DX30 Ti	1DX30 B	1DX30 Al	1DX30 Na	1DX30 K	1DX30 W	1DX30 Hg	1DX30 Sc	1DX30 Ti	1DX30 S	1DX30 Ga	1DX30 Se
				%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
				0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
09G1 A000	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A050	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A100	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A150	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A200	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A250	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A300	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A350	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A400	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A450	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A500	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A550	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A600	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A650	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A700	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A750	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A800	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A850	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A900	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A950	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 A1000	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B000	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B050	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B100	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B150	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B200	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B250	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B300	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B350	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B400	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA



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Project: EXPO
 Report Date: September 10, 2009

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CERTIFICATE OF ANALYSIS

VAN09003785 1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
09G1 B450	Soil	16.0	43.9	24.1	229	1.6	61.1	6.3	152	2.34	34.3	2.6	<0.5	3.0	14	0.8	6.3	1.9	119	0.04	0.126
09G1 B500	Soil	24.5	53.2	40.3	289	1.8	78.4	8.1	187	4.11	95.2	3.9	2.8	3.5	17	0.7	13.2	3.1	208	0.05	0.262
09G1 B550	Soil	33.6	127.2	73.7	829	1.3	182.4	25.3	712	5.89	128.8	9.1	12.5	4.1	39	2.9	20.2	4.0	125	0.28	0.301
09G1 B600	Soil	5.6	63.2	17.8	112	0.6	32.5	6.7	166	4.32	32.8	1.4	3.5	5.8	46	0.5	1.9	0.7	20	0.02	0.093
09G1 B650	Soil	4.6	86.3	11.5	226	0.4	91.2	30.3	404	5.03	52.1	1.3	3.8	5.0	32	1.0	3.0	0.7	33	0.12	0.097
09G1 B700	Soil	7.5	78.2	12.7	119	0.3	36.9	5.0	54	4.25	31.7	0.8	2.6	1.7	9	0.2	3.8	1.2	27	0.02	0.073
09G1 B750	Soil	2.5	26.9	7.7	53	0.3	17.5	4.1	131	2.96	33.9	0.7	3.5	3.3	48	0.2	2.1	3.3	27	0.03	0.081
09G1 B800	Soil	1.7	171.3	26.2	343	0.7	230.0	54.7	602	8.56	288.4	0.7	30.0	2.6	31	1.5	23.4	4.8	87	0.23	0.174
09G1 B850	Soil	23.8	264.3	29.4	763	2.8	164.7	25.2	466	4.67	520.2	17.4	16.2	2.0	52	5.6	37.6	14.0	188	0.47	0.346
09G1 B900	Soil	24.9	216.6	25.3	640	1.6	153.2	21.1	303	4.61	1002	10.0	22.3	3.7	39	3.2	37.4	6.0	117	0.19	0.155
09G1 B950	Soil	31.2	197.8	33.9	575	1.8	139.5	14.4	275	6.27	534.7	9.5	23.3	8.4	85	3.7	54.4	5.0	129	0.14	0.301
09G1 B1000	Soil	11.9	72.4	20.4	115	1.2	19.3	1.8	59	3.33	150.7	4.4	20.8	1.5	43	0.4	28.0	2.5	53	0.02	0.224
09G1 C000	Soil	10.3	230.9	27.0	428	1.3	77.2	8.5	159	4.06	138.7	6.1	3.1	0.9	56	1.7	17.7	0.6	65	0.13	0.227
09G1 C050	Soil	19.7	124.4	27.9	318	1.3	74.7	9.1	271	3.25	153.3	4.4	1.2	1.9	49	1.3	25.8	1.8	93	0.09	0.152
09G1 C100	Soil	19.3	130.8	73.3	536	1.8	98.0	9.6	298	3.37	97.7	6.5	2.5	1.1	52	2.4	11.4	3.4	81	0.17	0.157
09G1 C150	Soil	1.5	36.1	132.2	126	0.7	19.4	9.9	1139	3.66	326.8	1.3	2.2	7.1	16	0.3	1.4	0.7	8	0.02	0.036
09G1 C200	Soil	1.9	36.2	42.0	97	0.4	26.5	4.6	765	3.74	20.5	4.8	2.3	8.1	19	0.2	1.5	0.6	8	0.07	0.031
09G1 C250	Soil	6.0	73.0	248.5	500	2.1	43.2	8.2	647	3.11	50.3	5.4	1.6	0.6	26	2.3	2.3	1.8	30	0.33	0.075
09G1 C300	Soil	5.9	83.5	34.9	232	1.0	73.8	21.4	597	3.50	33.0	2.3	3.7	4.3	19	0.9	1.9	2.7	23	0.29	0.068
09G1 C350	Soil	11.9	60.6	38.8	274	1.1	53.0	6.9	196	2.39	77.2	3.4	5.0	0.7	21	1.1	8.9	2.1	59	0.08	0.119
09G1 C400	Soil	24.6	117.0	44.8	566	1.5	126.9	12.4	325	5.58	99.9	5.5	5.2	3.4	31	1.1	18.4	2.9	132	0.18	0.266
09G1 C450	Soil	27.0	138.9	48.6	659	1.9	148.3	14.0	310	5.57	137.1	6.0	20.6	4.1	36	1.4	25.1	3.6	134	0.20	0.364
09G1 C500	Soil	24.6	97.2	49.6	648	2.6	144.5	11.5	294	5.01	99.8	7.9	8.4	6.5	37	2.0	23.3	3.4	193	0.27	0.509
09G1 C550	Soil	35.5	113.6	40.8	654	1.5	216.4	11.0	189	4.19	77.0	11.7	7.8	5.3	55	1.5	14.9	5.6	237	0.50	0.510
09G1 C600	Soil	39.6	96.8	56.3	546	1.0	163.2	11.2	193	5.34	126.2	5.6	10.0	3.6	39	1.6	11.7	7.0	182	0.26	0.437
09G1 C650	Soil	18.7	72.5	45.7	266	2.1	73.7	11.8	563	4.58	91.8	4.0	10.0	5.5	24	1.3	12.1	2.8	99	0.14	0.285
09G1 C700	Soil	22.0	188.8	88.1	1026	2.3	166.9	21.3	662	4.35	125.2	11.8	13.3	5.0	49	10.4	18.4	4.1	84	0.38	0.203
09G1 C750	Soil	39.0	335.5	396.0	2168	8.2	305.7	20.4	665	5.90	97.0	14.2	32.6	8.9	68	24.6	22.9	9.2	186	0.34	0.234
09G1 C800	Soil	8.4	59.5	24.5	120	0.7	28.3	4.2	108	3.03	134.5	2.4	16.9	2.7	24	0.3	14.3	2.5	44	0.03	0.095
09G1 C850	Soil	6.6	53.3	20.2	122	0.5	29.8	4.9	121	3.53	71.6	1.6	12.0	3.5	22	0.2	16.1	1.4	33	0.01	0.088

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 Report Date: September 10, 2009

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CERTIFICATE OF ANALYSIS

VAN09003785.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX30	1DX30	1DX30	1DX30	
Analyte	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Mo	Cu	Pb	Zn	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	1	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	0.1	0.1	0.1	1	
09G1 B450	Soil	22	19	0.12	483	0.009	<20	0.61	0.004	0.05	0.2	0.03	1.0	0.3	0.06	4	3.1	NA	NA	NA	NA
09G1 B500	Soil	20	28	0.14	403	0.011	<20	0.83	0.004	0.06	0.2	0.05	1.5	0.1	0.05	5	5.2	NA	NA	NA	NA
09G1 B550	Soil	28	38	0.43	832	0.008	<20	1.04	0.003	0.06	0.2	0.12	2.0	0.2	<0.05	3	8.4	NA	NA	NA	NA
09G1 B600	Soil	36	15	0.16	276	0.008	<20	0.49	0.005	0.16	<0.1	0.02	0.7	0.2	0.36	2	2.8	NA	NA	NA	NA
09G1 B650	Soil	29	27	0.24	289	0.033	<20	0.56	0.005	0.09	<0.1	0.02	2.1	0.1	0.21	2	2.2	NA	NA	NA	NA
09G1 B700	Soil	28	13	0.02	101	0.022	<20	0.20	0.003	0.04	<0.1	0.02	0.7	<0.1	<0.05	2	3.2	NA	NA	NA	NA
09G1 B750	Soil	33	47	0.35	253	0.134	<20	0.53	0.009	0.09	<0.1	<0.01	0.6	<0.1	0.23	3	2.2	NA	NA	NA	NA
09G1 B800	Soil	22	151	1.40	544	0.286	<20	2.15	0.018	0.15	<0.1	0.14	7.1	0.5	0.19	6	8.0	NA	NA	NA	NA
09G1 B850	Soil	29	35	0.43	751	0.016	<20	0.72	0.007	0.10	0.4	0.20	2.4	0.3	0.16	3	17.9	NA	NA	NA	NA
09G1 B900	Soil	20	22	0.23	510	0.006	<20	0.51	0.004	0.07	0.3	0.17	2.4	0.2	0.07	1	10.9	NA	NA	NA	NA
09G1 B950	Soil	33	23	0.11	742	0.004	<20	0.36	0.003	0.13	0.6	0.31	2.4	0.4	0.29	2	19.7	NA	NA	NA	NA
09G1 B1000	Soil	32	15	0.06	438	0.004	<20	0.31	0.004	0.14	0.3	0.27	0.6	0.3	0.30	2	11.8	NA	NA	NA	NA
09G1 C000	Soil	26	16	0.11	594	0.005	<20	0.58	0.003	0.11	0.2	0.07	1.2	0.2	0.12	2	15.1	NA	NA	NA	NA
09G1 C050	Soil	21	30	0.22	502	0.006	<20	0.54	0.006	0.05	0.4	0.04	1.3	0.2	<0.05	2	13.0	NA	NA	NA	NA
09G1 C100	Soil	23	23	0.15	845	0.003	<20	0.45	0.005	0.08	0.2	0.09	1.2	0.2	0.12	2	12.6	NA	NA	NA	NA
09G1 C150	Soil	16	12	0.45	149	0.002	<20	0.79	0.001	0.10	<0.1	0.02	0.9	0.2	0.15	2	1.2	NA	NA	NA	NA
09G1 C200	Soil	27	15	0.60	242	0.002	<20	1.05	0.003	0.10	<0.1	<0.01	1.0	0.2	0.14	3	1.2	NA	NA	NA	NA
09G1 C250	Soil	14	20	0.17	251	0.004	<20	0.51	0.011	0.03	<0.1	0.06	0.7	<0.1	<0.05	3	3.6	NA	NA	NA	NA
09G1 C300	Soil	21	20	0.45	689	0.002	<20	0.74	0.003	0.05	<0.1	0.04	1.5	<0.1	0.08	2	1.7	NA	NA	NA	NA
09G1 C350	Soil	24	16	0.13	327	0.009	<20	0.56	0.005	0.04	0.1	0.05	0.8	0.1	<0.05	3	2.8	NA	NA	NA	NA
09G1 C400	Soil	23	40	0.35	346	0.011	<20	1.10	0.004	0.06	0.1	0.07	2.2	0.2	<0.05	4	8.2	NA	NA	NA	NA
09G1 C450	Soil	25	35	0.25	420	0.008	<20	1.06	0.003	0.06	0.3	0.10	2.1	0.2	<0.05	4	9.0	NA	NA	NA	NA
09G1 C500	Soil	24	56	0.37	761	0.017	<20	1.05	0.003	0.08	0.4	0.10	2.5	0.3	<0.05	5	6.5	NA	NA	NA	NA
09G1 C550	Soil	26	44	0.15	708	0.011	<20	0.70	0.004	0.07	0.2	0.04	1.9	0.1	<0.05	4	10.2	NA	NA	NA	NA
09G1 C600	Soil	21	40	0.36	652	0.012	<20	0.99	0.003	0.06	0.2	0.08	2.0	0.2	<0.05	4	10.2	NA	NA	NA	NA
09G1 C650	Soil	20	35	0.27	1013	0.017	<20	1.13	0.003	0.06	0.2	0.10	1.7	0.2	<0.05	5	5.4	NA	NA	NA	NA
09G1 C700	Soil	30	32	0.50	1432	0.010	<20	0.83	0.003	0.06	0.2	0.14	2.7	0.2	0.10	2	6.6	NA	NA	NA	NA
09G1 C750	Soil	38	80	1.12	1265	0.004	<20	1.14	0.002	0.07	0.3	0.48	5.1	0.2	0.07	4	12.1	NA	NA	NA	NA
09G1 C800	Soil	27	28	0.12	383	0.017	<20	0.60	0.006	0.09	0.1	0.10	1.4	0.3	0.12	3	5.7	NA	NA	NA	NA
09G1 C850	Soil	27	28	0.11	253	0.026	<20	0.39	0.005	0.07	<0.1	0.09	1.3	0.2	0.11	2	5.6	NA	NA	NA	NA

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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30			
				Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	
				ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm		
				0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001	1	1	0.01	1
09G1 B450	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 B500	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B550	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B600	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B650	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B700	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B750	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B800	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B850	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B900	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B950	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 B1000	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 C000	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 C050	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 C100	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 C150	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 C200	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 C250	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 C300	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 C350	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 C400	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 C450	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 C500	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 C550	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 C600	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 C650	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 C700	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 C750	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 C800	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 C850	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Project: EXPO
 Report Date: September 10, 2009

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Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Ti ppm	S %	Ga ppm	Se ppm	
	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
09G1 B450	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 B500	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 B550	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 B600	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 B650	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 B700	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 B750	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 B800	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 B850	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 B900	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 B950	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 B1000	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 C000	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 C050	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 C100	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 C150	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 C200	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 C250	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 C300	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 C350	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 C400	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 C450	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 C500	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 C550	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 C600	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 C650	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 C700	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 C750	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 C800	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
09G1 C850	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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.



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Project: EXPO
 Report Date: September 10, 2009

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CERTIFICATE OF ANALYSIS

VAN09003785 1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
09G1 C900	Soil			7.8	70.3	17.0	151	0.7	36.9	5.7	111	3.83	146.7	2.8	11.5	5.5	23	0.4	21.8	2.5	39	0.03	0.113
09G1 C950	Soil			3.7	48.6	16.7	92	0.8	25.1	4.1	76	3.13	157.5	1.1	25.1	4.7	23	0.3	24.5	1.8	24	0.01	0.091
09G1 C1000	Soil			3.5	67.2	16.1	182	0.5	52.1	9.6	174	3.84	103.8	1.5	16.8	1.2	25	0.6	15.3	1.3	46	0.04	0.095
09G1 D000	Soil			17.5	193.1	64.1	490	1.7	92.5	8.4	207	3.18	84.9	6.9	4.4	2.2	61	6.1	12.7	1.8	78	0.19	0.236
09G1 D050	Soil			14.4	194.6	58.9	470	2.2	91.5	10.1	319	3.19	75.5	5.7	5.4	1.1	39	6.3	10.9	1.5	62	0.10	0.157
09G1 D100	Soil			10.5	145.1	53.8	435	1.0	85.4	9.2	272	3.10	53.4	4.6	4.8	2.7	50	2.7	8.9	1.0	56	0.21	0.143
09G1 D150	Soil			8.0	142.7	108.0	487	0.6	82.1	12.9	497	3.67	54.1	5.4	1.7	1.3	41	5.3	6.9	2.0	47	0.15	0.145
09G1 D200	Soil			10.0	120.7	45.0	403	1.5	90.6	13.0	429	3.54	78.2	8.7	4.8	1.6	39	3.4	5.2	3.9	32	0.34	0.102
09G1 D250	Soil			5.3	104.3	18.5	232	1.2	70.3	11.2	898	2.22	36.7	13.7	5.7	0.9	58	4.6	3.4	1.2	27	0.70	0.122
09G1 D300	Soil			6.5	74.5	13.8	167	0.4	42.1	16.4	556	3.13	62.8	2.7	5.4	3.4	10	1.5	3.3	3.6	8	0.07	0.064
09G1 D350	Soil			10.2	66.1	49.0	351	0.5	58.3	6.9	151	3.39	98.2	2.4	1.8	0.6	23	1.0	9.3	4.4	51	0.03	0.125
09G1 D400	Soil			10.0	45.3	31.3	204	0.5	46.1	4.2	64	1.84	45.5	1.5	2.1	0.9	15	0.3	6.4	1.5	61	0.01	0.049
09G1 D450	Soil			8.6	30.9	15.5	112	0.7	24.8	3.5	54	1.26	22.0	1.1	1.4	0.1	9	0.4	4.0	0.9	49	0.01	0.043
09G1 D500	Soil			33.4	74.8	47.6	350	1.2	122.5	6.7	133	3.54	117.2	4.7	4.0	0.7	41	0.7	42.4	4.3	142	0.23	0.300
09G1 D550	Soil			14.7	115.5	43.4	381	2.2	89.4	11.4	219	5.26	113.7	3.3	5.3	4.8	24	1.5	11.3	2.6	88	0.05	0.264
09G1 D600	Soil			11.6	37.8	29.3	140	1.1	28.9	3.9	104	2.47	53.3	1.8	1.6	1.1	14	0.5	5.3	1.5	77	0.01	0.066
09G1 D650	Soil			28.1	94.5	32.7	504	1.3	124.1	9.5	212	4.32	93.9	5.6	5.6	4.5	40	1.4	11.8	3.0	200	0.32	0.360
09G1 D700	Soil			24.8	129.6	40.2	572	2.8	140.5	12.9	268	4.66	120.9	7.0	11.3	5.3	36	2.4	15.5	4.0	181	0.20	0.273
09G1 D750	Soil			22.6	223.4	68.3	1422	1.5	212.9	24.6	575	5.06	75.9	15.9	15.3	7.6	46	12.7	11.0	3.0	94	0.25	0.191
09G1 D800	Soil			11.6	55.2	50.1	223	0.8	40.8	5.6	187	2.95	69.0	2.3	11.6	1.3	17	0.5	5.2	1.5	98	0.02	0.083
09G1 D850	Soil			7.6	59.1	16.8	164	0.7	35.3	4.3	85	1.80	42.4	1.9	2.1	0.3	12	1.5	4.7	1.3	47	0.02	0.073
09G1 D900	Soil			7.8	55.4	17.4	150	1.1	31.3	3.4	54	1.54	49.4	2.3	1.0	0.2	11	1.2	4.9	1.3	40	0.02	0.085
09G1 D950	Soil			7.0	45.5	12.9	148	0.3	37.9	2.7	81	1.51	45.1	1.5	0.9	0.2	14	0.4	6.7	1.2	43	0.11	0.104
09G1 D1000	Soil			15.3	63.6	18.0	197	1.5	53.9	4.5	91	2.91	112.7	2.5	6.5	2.3	23	0.8	15.2	2.3	71	0.12	0.183
09G1 E000	Soil			9.4	140.4	48.9	412	1.2	87.1	14.7	542	3.59	54.1	3.5	5.4	1.2	43	3.2	6.2	1.0	57	0.09	0.166
09G1 E050	Soil			15.8	163.2	97.9	952	3.0	187.5	31.9	1673	4.01	459.9	5.2	17.6	1.0	84	14.3	18.0	4.7	95	0.18	0.158
09G1 E100	Soil			12.1	86.2	53.0	426	0.9	77.3	10.1	342	3.48	120.5	3.7	2.8	0.4	32	3.4	7.5	3.5	91	0.12	0.138
09G1 E150	Soil			11.2	177.1	28.9	388	1.1	93.6	10.1	183	3.35	85.0	4.0	5.6	1.8	35	2.4	7.0	2.0	51	0.02	0.121
09G1 E200	Soil			9.8	84.2	69.7	301	1.3	72.8	7.7	147	3.56	93.9	2.1	3.9	4.2	16	1.1	8.7	3.4	35	0.02	0.110
09G1 E250	Soil			6.9	55.8	25.2	137	0.6	49.5	13.6	1160	3.15	50.6	1.3	2.4	1.8	10	0.8	2.6	5.9	16	0.04	0.128



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CERTIFICATE OF ANALYSIS

VAN09003785 1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX30	1DX30	1DX30	1DX30	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Mo	Cu	Pb	Zn	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	1	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	0.1	0.1	0.1	1	
09G1 C900	Soil	25	28	0.13	219	0.036	<20	0.41	0.004	0.06	0.1	0.09	16	0.1	0.08	2	6.9	NA	NA	NA	NA
09G1 C950	Soil	24	26	0.07	290	0.011	<20	0.38	0.006	0.09	<0.1	0.10	18	0.2	0.14	2	4.8	NA	NA	NA	NA
09G1 C1000	Soil	21	73	0.28	400	0.016	<20	0.93	0.008	0.08	<0.1	0.06	3.0	0.2	0.08	3	4.4	NA	NA	NA	NA
09G1 D000	Soil	25	20	0.16	1008	0.003	<20	0.43	0.004	0.09	0.3	0.13	17	0.3	0.14	2	13.7	NA	NA	NA	NA
09G1 D050	Soil	21	17	0.11	724	0.004	<20	0.53	0.005	0.07	0.2	0.13	0.8	0.2	0.12	1	11.2	NA	NA	NA	NA
09G1 D100	Soil	23	21	0.29	621	0.003	<20	0.57	0.003	0.08	0.1	0.08	1.5	0.2	0.13	2	9.2	NA	NA	NA	NA
09G1 D150	Soil	18	19	0.29	467	0.004	<20	0.63	0.005	0.08	0.1	0.04	1.2	0.1	0.10	2	7.4	NA	NA	NA	NA
09G1 D200	Soil	14	17	0.23	767	0.003	<20	0.50	0.005	0.04	<0.1	0.15	2.4	0.1	0.05	1	4.2	NA	NA	NA	NA
09G1 D250	Soil	10	14	0.28	1284	0.005	<20	0.81	0.018	0.04	<0.1	0.22	1.8	0.1	0.11	2	5.4	NA	NA	NA	NA
09G1 D300	Soil	16	4	0.02	281	0.001	<20	0.20	0.001	0.03	<0.1	0.06	0.9	<0.1	<0.05	<1	3.0	NA	NA	NA	NA
09G1 D350	Soil	22	18	0.08	303	0.005	<20	0.38	0.004	0.05	0.1	0.02	0.6	0.1	0.05	3	3.5	NA	NA	NA	NA
09G1 D400	Soil	28	8	0.02	177	0.010	<20	0.38	0.005	0.04	<0.1	0.01	0.6	0.2	<0.05	5	2.0	NA	NA	NA	NA
09G1 D450	Soil	15	8	0.03	171	0.010	<20	0.45	0.013	0.03	<0.1	0.02	<0.1	<0.1	<0.05	3	1.5	NA	NA	NA	NA
09G1 D500	Soil	22	17	0.07	650	0.006	<20	0.52	0.004	0.05	0.2	0.04	0.3	0.2	0.07	3	11.0	NA	NA	NA	NA
09G1 D550	Soil	20	28	0.22	291	0.006	<20	0.92	0.004	0.06	0.2	0.04	1.8	0.2	<0.05	4	5.0	NA	NA	NA	NA
09G1 D600	Soil	20	15	0.08	222	0.016	<20	0.64	0.004	0.05	0.1	0.04	0.3	0.2	<0.05	4	2.5	NA	NA	NA	NA
09G1 D650	Soil	21	37	0.45	527	0.012	<20	0.98	0.003	0.07	0.1	0.05	1.3	0.2	<0.05	4	6.8	NA	NA	NA	NA
09G1 D700	Soil	23	43	0.41	616	0.007	<20	1.09	0.003	0.07	0.2	0.10	1.7	0.2	<0.05	4	7.2	NA	NA	NA	NA
09G1 D750	Soil	46	46	0.70	1432	0.011	<20	1.07	0.005	0.08	<0.1	0.14	3.1	0.2	0.06	3	7.0	NA	NA	NA	NA
09G1 D800	Soil	22	22	0.16	420	0.009	<20	0.87	0.005	0.07	<0.1	0.04	0.6	0.2	0.07	4	3.9	NA	NA	NA	NA
09G1 D850	Soil	19	14	0.08	319	0.006	<20	0.56	0.006	0.05	<0.1	0.04	0.2	0.1	0.06	3	2.5	NA	NA	NA	NA
09G1 D900	Soil	16	10	0.06	276	0.003	<20	0.59	0.002	0.04	<0.1	0.04	0.2	0.2	<0.05	3	2.6	NA	NA	NA	NA
09G1 D950	Soil	13	14	0.05	351	0.014	<20	0.35	0.010	0.04	0.1	0.03	0.3	<0.1	<0.05	3	3.3	NA	NA	NA	NA
09G1 D1000	Soil	17	25	0.13	255	0.027	<20	0.61	0.004	0.06	0.2	0.08	1.2	0.2	0.06	3	5.8	NA	NA	NA	NA
09G1 E000	Soil	19	20	0.28	567	0.003	<20	0.65	0.004	0.12	<0.1	0.05	1.0	0.3	0.12	2	13.6	NA	NA	NA	NA
09G1 E050	Soil	18	35	0.22	1563	0.003	<20	0.59	0.003	0.08	0.2	0.19	2.3	0.2	0.06	2	10.0	NA	NA	NA	NA
09G1 E100	Soil	16	26	0.24	707	0.004	<20	0.58	0.006	0.08	0.1	0.06	0.6	0.1	0.09	3	8.7	NA	NA	NA	NA
09G1 E150	Soil	22	17	0.09	544	0.001	<20	0.46	0.004	0.08	<0.1	0.08	1.3	0.3	0.11	2	9.6	NA	NA	NA	NA
09G1 E200	Soil	19	14	0.05	326	0.004	<20	0.35	0.003	0.05	<0.1	0.07	1.1	0.1	<0.05	2	3.3	NA	NA	NA	NA
09G1 E250	Soil	19	5	0.01	186	0.003	<20	0.28	0.003	0.04	<0.1	0.02	0.4	0.1	<0.05	1	2.4	NA	NA	NA	NA

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	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
		Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	
		ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm
		0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001	1	1	0.01	1
09G1 C900	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 C950	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 C1000	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 D000	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 D050	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 D100	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 D150	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 D200	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 D250	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 D300	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 D350	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 D400	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 D450	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 D500	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 D550	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 D600	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 D650	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 D700	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 D750	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 D800	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 D850	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 D900	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 D950	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 D1000	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 E000	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 E050	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 E100	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 E150	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 E200	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 E250	Soil	NA	NA	NA	N.A.	N.A.	NA	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

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EXPO

Report Date

September 10, 2009

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Part 4

CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
			Tl	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
MDL			%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm
			0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5
09G1 C900	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 C950	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 C1000	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 D000	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 D050	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 D100	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 D150	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 D200	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 D250	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 D300	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 D350	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 D400	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 D450	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 D500	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 D550	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 D600	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 D650	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 D700	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 D750	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 D800	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 D850	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 D900	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 D950	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 D1000	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E000	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E050	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E100	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E150	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E200	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E250	Soil		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA



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 Report Date: September 10, 2009

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CERTIFICATE OF ANALYSIS

VAN09003785 1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unk	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
09G1 E300	Soil	3.7	25.5	10.1	101	0.3	28.6	6.3	68	1.91	33.4	0.5	<0.5	2.2	5	0.2	1.6	1.3	31	<0.01	0.041
09G1 E350	Soil	7.4	68.5	19.0	143	0.3	45.3	8.9	151	2.88	59.1	0.9	2.4	6.9	12	0.3	3.1	2.2	22	0.04	0.095
09G1 E400	Soil	4.2	41.5	29.7	116	0.9	34.8	8.1	258	3.33	59.9	0.9	2.3	7.5	6	0.3	3.5	2.2	17	0.01	0.100
09G1 E450	Soil	8.9	50.0	34.6	214	1.9	40.8	3.4	82	2.23	59.1	2.2	3.3	0.4	11	0.7	7.8	1.2	33	0.02	0.075
09G1 E500	Soil	8.9	64.1	52.7	242	0.7	41.1	4.1	146	3.31	72.4	3.2	6.8	5.6	12	0.7	8.9	2.0	55	0.03	0.094
09G1 E550	Soil	16.1	93.8	54.6	303	1.2	53.5	7.0	161	4.47	96.8	2.7	6.0	2.6	20	0.5	13.8	2.2	79	0.02	0.125
09G1 E600	Soil	10.8	69.9	53.6	323	0.9	45.8	7.6	216	4.06	82.8	2.1	2.1	3.7	17	0.5	13.0	2.0	75	0.01	0.114
09G1 E650	Soil	22.1	100.3	52.8	383	2.5	92.6	8.9	135	5.10	143.6	4.9	9.6	6.0	37	1.0	13.3	4.5	121	0.12	0.317
09G1 E700	Soil	26.5	171.9	40.0	618	1.9	147.2	16.9	371	4.50	101.4	8.2	16.9	5.4	42	2.2	16.7	3.5	88	0.32	0.235
09G1 E750	Soil	23.6	92.1	43.9	393	2.0	105.2	10.3	229	4.55	85.3	4.6	5.9	1.8	30	1.0	17.4	3.5	126	0.23	0.322
09G1 E800	Soil	14.4	73.8	27.0	179	0.8	41.6	4.9	108	2.35	47.2	3.6	5.4	0.3	12	0.7	6.5	2.1	73	0.04	0.089
09G1 E850	Soil	31.4	96.5	53.2	484	2.4	121.2	12.9	532	6.54	100.1	6.6	10.7	4.1	27	1.4	13.9	4.4	148	0.22	0.389
09G1 E900	Soil	31.4	141.4	44.2	638	1.3	145.6	23.8	851	4.60	119.3	8.0	17.0	3.4	42	2.1	21.6	3.0	210	0.37	0.345
09G1 E950	Soil	13.8	63.4	27.4	157	0.3	43.0	11.2	458	2.61	44.0	2.6	5.9	0.2	14	0.9	6.1	2.2	84	0.06	0.111
09G1 E1000	Soil	37.1	157.3	75.7	996	3.6	169.1	15.7	764	3.88	94.8	10.6	9.8	2.1	93	4.3	17.6	5.3	208	0.55	0.453
09G1 F000	Soil	6.7	105.2	22.6	229	0.6	69.6	19.7	494	3.42	70.5	2.9	6.4	4.2	43	1.6	5.1	0.6	47	0.10	0.100
09G1 F050	Soil	13.2	194.6	33.5	513	1.3	106.0	9.0	219	3.32	88.2	4.8	8.2	3.3	34	4.2	6.8	3.0	56	0.05	0.115
09G1 F100	Soil	8.4	159.2	13.7	286	1.0	66.4	7.1	141	2.97	26.8	3.1	4.1	3.1	35	1.6	7.4	0.6	31	0.02	0.101
09G1 F150	Soil	13.3	142.4	101.6	695	2.4	125.4	12.8	320	4.29	251.7	4.2	6.2	3.1	52	2.7	13.8	7.9	68	0.11	0.138
09G1 F200	Soil	15.8	97.3	93.9	609	1.9	114.4	9.2	477	4.11	598.5	3.9	2.4	3.2	30	2.5	20.3	7.1	100	0.08	0.164
09G1 F250	Soil	14.5	144.4	46.0	353	0.6	86.6	14.7	319	7.31	140.4	2.6	4.8	5.1	29	1.0	10.3	3.7	26	0.14	0.394
09G1 F300	Soil	6.0	65.6	15.0	102	0.5	44.7	7.2	207	3.07	85.6	0.9	0.7	6.7	7	0.2	5.2	2.8	16	0.02	0.118
09G1 F350	Soil	6.9	64.3	47.8	262	0.9	51.9	7.6	220	3.06	71.3	2.4	<0.5	5.1	22	2.0	6.0	4.0	54	0.04	0.064
09G1 F400	Soil	15.8	162.2	71.2	996	2.3	145.6	14.5	753	3.44	124.2	9.6	7.9	1.8	32	13.4	7.6	9.6	46	0.19	0.135
09G1 F450	Soil	10.1	87.4	64.4	320	1.1	60.2	7.2	316	4.05	132.2	4.8	1.5	0.9	23	1.1	11.3	2.8	70	0.05	0.175
09G1 F500	Soil	10.0	99.6	39.9	346	0.6	69.3	12.4	354	3.57	66.1	5.5	4.6	8.3	20	1.1	11.2	1.5	61	0.06	0.127
09G1 F550	Soil	8.1	51.2	65.3	186	0.7	27.4	4.1	137	4.97	121.1	1.8	3.8	3.6	19	0.2	10.7	3.0	60	0.02	0.144
09G1 F600	Soil	7.2	50.8	67.6	200	0.7	31.2	4.1	141	3.80	76.4	2.6	2.8	10.3	20	0.4	7.2	2.7	59	0.02	0.084
09G1 F650	Soil	8.5	52.2	43.1	190	1.5	34.7	4.8	127	2.21	53.1	2.3	2.7	2.2	14	0.8	5.7	1.9	64	0.03	0.106
09G1 F700	Soil	20.3	193.2	108.6	1014	6.1	209.1	12.9	509	6.35	525.4	6.3	9.5	3.5	77	4.3	18.2	14.3	199	0.04	0.182

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CERTIFICATE OF ANALYSIS VAN09003785-1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX30	1DX30	1DX30	1DX30		
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Mo	Cu	Pb	Zn	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	1	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	0.1	0.1	0.1	1	
09G1 E300	Soil	29	6	0.02	112	0.004	<20	0.35	0.004	0.03	<0.1	0.01	0.5	0.2	<0.05	3	1.2	NA	NA	NA	NA
09G1 E350	Soil	25	4	0.02	145	0.002	<20	0.17	0.002	0.03	<0.1	0.10	0.8	<0.1	<0.05	1	4.6	NA	NA	NA	NA
09G1 E400	Soil	26	7	0.05	103	0.006	<20	0.28	0.002	0.04	<0.1	0.02	0.5	0.1	<0.05	2	2.8	NA	NA	NA	NA
09G1 E450	Soil	15	9	0.08	223	0.004	<20	0.63	0.009	0.04	<0.1	0.08	0.6	<0.1	0.06	2	3.3	NA	NA	NA	NA
09G1 E500	Soil	23	20	0.22	201	0.009	<20	0.81	0.003	0.06	0.2	0.05	1.6	0.1	0.06	3	3.4	NA	NA	NA	NA
09G1 E550	Soil	25	22	0.14	257	0.005	<20	0.85	0.007	0.08	0.9	0.07	1.6	0.2	0.12	4	6.3	NA	NA	NA	NA
09G1 E600	Soil	23	12	0.06	194	0.015	<20	0.47	0.006	0.06	0.1	0.02	1.7	<0.1	0.07	4	3.9	NA	NA	NA	NA
09G1 E650	Soil	25	19	0.16	509	0.005	<20	0.74	0.004	0.07	0.2	0.07	2.0	0.2	<0.05	3	6.2	NA	NA	NA	NA
09G1 E700	Soil	25	33	0.48	387	0.006	<20	0.93	0.002	0.05	0.1	0.18	2.0	0.2	<0.05	3	7.9	NA	NA	NA	NA
09G1 E750	Soil	21	36	0.44	312	0.007	<20	0.90	0.003	0.05	0.2	0.08	1.5	0.1	<0.05	4	7.9	NA	NA	NA	NA
09G1 E800	Soil	23	21	0.18	320	0.005	<20	0.76	0.004	0.03	<0.1	0.05	0.6	0.2	<0.05	4	3.0	NA	NA	NA	NA
09G1 E850	Soil	21	45	0.48	348	0.014	<20	0.96	0.003	0.08	0.2	0.08	2.1	0.2	<0.05	4	14.0	NA	NA	NA	NA
09G1 E900	Soil	25	55	0.77	398	0.020	<20	1.19	0.003	0.08	0.2	0.14	1.8	0.3	<0.05	4	9.2	NA	NA	NA	NA
09G1 E950	Soil	21	24	0.22	309	0.006	<20	0.70	0.005	0.07	<0.1	0.05	0.4	0.2	<0.05	4	3.8	NA	NA	NA	NA
09G1 E1000	Soil	24	39	0.45	1242	0.006	<20	0.87	0.004	0.08	0.2	0.31	1.6	0.2	<0.05	3	14.3	NA	NA	NA	NA
09G1 F000	Soil	17	23	0.35	592	0.002	<20	0.61	0.003	0.07	<0.1	0.13	4.3	0.2	<0.05	2	8.4	NA	NA	NA	NA
09G1 F050	Soil	23	19	0.09	644	0.001	<20	0.46	0.003	0.10	0.1	0.19	1.8	0.3	0.13	2	10.6	NA	NA	NA	NA
09G1 F100	Soil	22	11	0.02	552	0.001	<20	0.25	0.003	0.11	<0.1	0.10	1.2	0.3	0.15	1	9.5	NA	NA	NA	NA
09G1 F150	Soil	20	20	0.08	740	0.002	<20	0.35	0.003	0.11	0.1	0.15	1.7	0.2	0.16	2	10.3	NA	NA	NA	NA
09G1 F200	Soil	17	26	0.17	758	0.011	<20	0.64	0.004	0.07	0.3	0.06	1.9	0.1	<0.05	3	6.5	NA	NA	NA	NA
09G1 F250	Soil	21	8	0.03	277	0.004	<20	0.25	0.002	0.04	<0.1	0.06	0.6	0.1	<0.05	1	11.4	NA	NA	NA	NA
09G1 F300	Soil	29	5	0.03	106	0.003	<20	0.27	0.001	0.03	<0.1	0.02	0.4	0.1	<0.05	<1	3.1	NA	NA	NA	NA
09G1 F350	Soil	23	19	0.11	448	0.033	<20	0.64	0.003	0.05	0.1	0.03	1.4	0.1	<0.05	4	3.7	NA	NA	NA	NA
09G1 F400	Soil	25	15	0.08	1355	0.002	<20	0.46	0.004	0.05	0.1	0.29	1.9	0.2	<0.05	1	5.3	NA	NA	NA	NA
09G1 F450	Soil	27	21	0.20	760	0.005	<20	0.74	0.004	0.06	0.1	0.08	0.9	0.2	<0.09	3	3.9	NA	NA	NA	NA
09G1 F500	Soil	34	25	0.32	318	0.010	<20	1.09	0.004	0.07	0.1	0.08	2.3	0.2	<0.05	2	3.6	NA	NA	NA	NA
09G1 F550	Soil	26	23	0.16	220	0.011	<20	0.90	0.003	0.04	0.2	0.04	1.7	0.2	<0.05	4	2.7	NA	NA	NA	NA
09G1 F600	Soil	28	26	0.28	255	0.008	<20	1.38	0.004	0.05	<0.1	0.08	2.5	0.2	<0.05	4	2.0	NA	NA	NA	NA
09G1 F650	Soil	16	13	0.12	328	0.011	<20	0.82	0.012	0.06	0.1	0.04	1.4	0.2	0.08	3	1.8	NA	NA	NA	NA
09G1 F700	Soil	26	48	0.08	1787	0.003	<20	0.80	0.004	0.06	0.3	0.09	2.8	0.2	<0.05	3	11.4	NA	NA	NA	NA

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Method	Analyte	Unit	MDL	1DX30 Ag	1DX30 Ni	1DX30 Co	1DX30 Mn	1DX30 Fe	1DX30 As	1DX30 U	1DX30 Au	1DX30 Th	1DX30 Sr	1DX30 Cd	1DX30 Sb	1DX30 Bi	1DX30 V	1DX30 Ca	1DX30 P	1DX30 La	1DX30 Cr	1DX30 Mg	1DX30 Ba
				ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm
				0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	1	0.01	1
09G1 E300	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E350	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E400	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E450	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E500	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E550	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E600	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E650	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E700	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E750	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E800	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E850	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E900	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E950	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E1000	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F000	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F050	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F100	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F150	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F200	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F250	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F300	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F350	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F400	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F450	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F500	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F550	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F600	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F650	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F700	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte	TI	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se
Unit	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
MDL	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
09G1 E300	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E350	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E400	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E450	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E500	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E550	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E600	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E650	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E700	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E750	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E800	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E850	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E900	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E950	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 E1000	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F000	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F050	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F100	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F150	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F200	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F250	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F300	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F350	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F400	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F450	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F500	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F550	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F600	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F650	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F700	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
09G1 F750	Soil	18.3	172.9	136.2	899	2.6	135.6	15.3	534	4.31	100.2	9.5	13.5	5.9	38	5.4	12.7	5.5	90	0.22	0.172
09G1 F800	Soil	44.5	264.9	58.7	769	4.6	217.0	15.4	373	4.77	183.8	23.6	16.6	5.9	124	2.3	20.2	9.3	118	1.00	0.642
09G1 F850	Soil	13.4	60.5	29.8	216	0.8	50.7	6.9	170	2.88	60.8	2.7	0.5	0.7	17	0.6	10.1	8.0	72	0.08	0.129
09G1 F900	Soil	10.2	42.1	20.3	156	0.6	36.1	5.2	145	1.97	42.1	2.2	5.6	0.1	14	0.9	5.7	1.5	63	0.05	0.088
09G1 F950	Soil	27.2	112.9	51.1	574	1.3	139.8	14.6	635	5.91	121.0	6.3	5.6	1.5	38	1.4	21.8	4.5	157	0.22	0.380
09G1 F1000	Soil	27.4	164.0	49.7	759	1.5	181.7	17.7	473	4.39	122.6	8.3	14.6	1.6	56	2.0	23.3	4.3	132	0.44	0.307
09G1 G000	Soil	11.7	155.2	20.8	457	1.1	90.5	11.2	272	3.86	57.0	3.6	<0.5	3.4	49	1.0	11.6	0.8	50	0.03	0.128
09G1 G050	Soil	8.1	119.0	21.1	353	1.0	82.6	9.5	165	3.47	43.3	3.5	5.5	7.1	44	1.7	6.7	0.6	28	0.03	0.085
09G1 G100	Soil	19.5	113.9	27.4	740	1.3	136.4	12.8	338	3.93	72.5	5.5	8.1	6.3	40	4.4	12.5	1.0	92	0.10	0.082
09G1 G150	Soil	21.0	135.3	62.2	739	1.6	130.5	13.6	477	3.65	173.4	6.1	4.1	4.0	54	6.7	15.3	2.9	85	0.13	0.133
09G1 G200	Soil	13.2	100.9	32.8	511	1.0	85.5	13.7	327	3.54	77.9	4.6	3.8	4.2	25	2.4	5.8	3.2	19	0.04	0.091
09G1 G250	Soil	21.3	123.2	59.2	763	2.3	140.8	16.4	493	4.10	233.5	5.1	7.6	4.9	63	3.3	12.7	9.7	79	0.12	0.171
09G1 G300	Soil	21.7	208.8	91.2	793	2.8	151.8	3.1	75	3.70	515.8	8.1	6.2	4.0	150	1.7	73.3	14.6	103	0.48	0.530
09G1 G350	Soil	14.8	124.9	146.5	689	6.3	150.0	4.9	169	3.82	237.3	3.5	1.6	2.1	75	5.1	24.6	41.0	115	0.03	0.202
09G1 G400	Soil	15.7	99.7	61.1	546	2.1	109.7	10.6	502	3.93	128.3	3.3	1.3	4.2	40	1.7	14.3	9.4	109	0.10	0.195
09G1 G450	Soil	17.2	204.2	445.9	678	7.1	126.9	5.3	517	3.92	395.6	6.3	14.2	2.1	130	1.7	36.1	47.4	99	0.47	0.442
09G1 G500	Soil	13.8	75.3	42.0	327	0.7	71.3	6.1	113	2.40	80.4	4.0	<0.5	0.2	25	1.2	7.7	1.9	64	0.03	0.090
09G1 G550	Soil	7.6	95.4	26.7	184	1.6	44.4	3.8	116	1.82	54.6	5.7	2.0	0.3	17	3.6	5.2	1.3	43	0.05	0.122
09G1 G600	Soil	10.2	76.8	37.8	296	0.8	68.1	6.8	203	2.62	56.5	4.7	2.1	0.7	16	1.0	6.4	1.4	77	0.03	0.089
09G1 G650	Soil	8.2	73.7	42.6	238	0.5	65.5	5.2	173	2.76	61.7	3.0	1.8	1.8	18	0.6	6.2	1.4	145	0.11	0.134
09G1 G700	Soil	14.2	191.9	102.1	689	2.0	183.5	12.9	358	4.05	134.9	6.4	2.2	2.9	36	1.8	14.0	3.0	119	0.23	0.203
09G1 G750	Soil	12.5	152.3	30.3	793	1.2	202.4	15.8	382	3.58	78.7	9.1	5.3	6.8	40	4.7	12.8	10.0	85	0.25	0.209
09G1 G800	Soil	15.8	176.7	41.7	944	1.6	239.2	34.4	991	6.51	153.5	8.2	21.7	8.1	59	9.2	11.2	0.7	97	0.16	0.175
09G1 G850	Soil	11.9	115.5	177.4	730	5.3	98.3	10.3	555	4.38	208.5	3.8	13.4	5.6	34	1.7	14.4	10.7	109	0.16	0.295
09G1 G900	Soil	13.2	129.7	100.1	957	6.4	125.5	11.9	1014	3.76	153.9	4.8	5.2	2.0	35	13.6	15.9	30.7	165	0.31	0.233
09G1 G950	Soil	11.1	71.9	71.5	360	1.1	51.7	7.3	318	3.76	78.0	4.3	4.6	0.9	18	1.5	7.2	2.6	77	0.08	0.142
09G1 G1000	Soil	6.9	54.2	46.3	185	0.7	36.1	8.0	196	3.41	69.1	2.0	9.9	1.5	19	1.0	7.3	2.0	41	0.05	0.092
09G1 H000	Soil	12.3	68.1	13.9	217	0.9	52.1	5.1	92	2.66	23.5	3.0	2.3	3.7	26	0.6	6.4	0.5	76	0.05	0.117
09G1 H050	Soil	67.5	177.9	34.7	1748	2.6	276.7	14.2	354	4.53	156.2	11.6	10.3	2.4	42	12.1	14.6	1.5	203	0.09	0.158
09G1 H100	Soil	42.8	138.5	28.6	1022	1.0	214.7	21.4	541	3.63	74.0	8.8	3.5	1.5	43	5.7	10.3	1.7	305	0.19	0.247

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CERTIFICATE OF ANALYSIS

VAN09003785.1

Method	Analyte	Unit	MDL	1DX La	1DX Cr	1DX Mg	1DX Ba	1DX Tl	1DX B	1DX Al	1DX Na	1DX K	1DX W	1DX Hg	1DX Sc	1DX Tl	1DX S	1DX Ga	1DX Se	1DX30 Mo	1DX30 Cu	1DX30 Pb	1DX30 Zn
				ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
				1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.1	0.1	0.1	0.1	1
09G1 F750	Soil			34	32	0.48	1909	0.010	<20	1.04	0.007	0.07	<0.1	0.26	3.4	0.2	0.13	3	6.7	NA	NA	NA	NA
09G1 F800	Soil			25	36	0.27	1482	0.010	<20	0.84	0.005	0.07	0.2	0.17	2.2	0.1	0.08	2	14.2	NA	NA	NA	NA
09G1 F850	Soil			24	21	0.16	208	0.010	<20	0.57	0.007	0.05	<0.1	0.04	0.8	<0.1	0.07	4	3.6	NA	NA	NA	NA
09G1 F900	Soil			18	13	0.14	374	0.007	<20	0.57	0.009	0.05	0.3	0.07	0.4	0.1	0.08	3	2.7	NA	NA	NA	NA
09G1 F950	Soil			24	44	0.39	651	0.018	<20	1.07	0.004	0.07	0.2	0.09	1.8	0.3	0.06	4	9.1	NA	NA	NA	NA
09G1 F1000	Soil			25	37	0.49	473	0.007	<20	0.90	0.002	0.06	0.1	0.08	1.4	0.2	<0.05	3	7.7	NA	NA	NA	NA
09G1 G000	Soil			21	16	0.02	610	0.002	<20	0.28	0.003	0.14	0.1	0.07	1.8	0.3	0.27	2	10.7	NA	NA	NA	NA
09G1 G050	Soil			24	10	0.02	588	<0.001	<20	0.22	0.002	0.15	<0.1	0.11	1.3	0.2	0.27	<1	9.0	NA	NA	NA	NA
09G1 G100	Soil			29	19	0.31	603	0.003	<20	0.48	0.003	0.10	<0.1	0.14	2.0	0.2	0.15	2	9.9	NA	NA	NA	NA
09G1 G150	Soil			25	19	0.18	831	0.003	<20	0.39	0.003	0.11	0.2	0.12	2.0	0.2	0.15	1	8.9	NA	NA	NA	NA
09G1 G200	Soil			30	12	0.03	448	0.001	<20	0.28	0.003	0.06	<0.1	0.07	1.1	<0.1	0.07	1	4.3	NA	NA	NA	NA
09G1 G250	Soil			22	27	0.25	858	0.008	<20	0.73	0.004	0.07	0.1	0.10	2.0	0.1	0.08	3	6.9	NA	NA	NA	NA
09G1 G300	Soil			28	42	0.04	2379	0.014	<20	0.55	0.004	0.08	0.2	0.08	1.8	0.2	<0.05	3	6.8	NA	NA	NA	NA
09G1 G350	Soil			24	33	0.04	989	0.012	<20	0.45	0.003	0.05	0.2	0.05	1.3	0.2	0.08	4	10.6	NA	NA	NA	NA
09G1 G400	Soil			18	28	0.12	637	0.020	<20	0.40	<0.001	0.05	0.2	0.04	2.0	0.2	0.06	3	8.7	NA	NA	NA	NA
09G1 G450	Soil			23	30	0.03	1633	0.009	<20	0.39	0.004	0.07	0.3	0.07	1.6	0.2	0.08	3	14.6	NA	NA	NA	NA
09G1 G500	Soil			19	17	0.08	493	0.006	<20	0.59	0.004	0.04	0.1	0.04	0.5	0.2	0.08	3	4.3	NA	NA	NA	NA
09G1 G550	Soil			15	14	0.11	619	0.003	<20	0.60	0.009	0.04	<0.1	0.09	0.4	0.1	0.09	2	2.9	NA	NA	NA	NA
09G1 G600	Soil			26	25	0.22	324	0.008	<20	0.92	0.006	0.06	<0.1	0.04	0.9	0.2	0.06	4	3.5	NA	NA	NA	NA
09G1 G650	Soil			25	33	0.31	226	0.017	<20	0.72	0.004	0.07	<0.1	0.02	1.2	0.2	0.05	4	2.7	NA	NA	NA	NA
09G1 G700	Soil			29	56	0.54	398	0.016	<20	0.95	0.004	0.08	<0.1	0.04	2.9	0.4	<0.05	3	8.9	NA	NA	NA	NA
09G1 G750	Soil			31	30	0.41	597	0.009	<20	0.78	0.003	0.09	<0.1	0.05	4.0	0.3	0.13	2	7.4	NA	NA	NA	NA
09G1 G800	Soil			41	51	0.47	898	0.003	<20	0.77	0.003	0.08	<0.1	0.08	4.9	0.5	0.10	3	6.7	NA	NA	NA	NA
09G1 G850	Soil			21	43	0.38	485	0.025	<20	0.92	0.005	0.07	0.2	0.11	2.3	0.2	0.08	4	8.4	NA	NA	NA	NA
09G1 G900	Soil			23	49	0.46	798	0.009	<20	0.67	0.003	0.06	0.2	0.07	3.0	0.2	<0.05	3	6.3	NA	NA	NA	NA
09G1 G950	Soil			20	31	0.35	225	0.025	<20	1.02	0.005	0.06	0.2	0.06	1.2	0.1	<0.05	4	4.6	NA	NA	NA	NA
09G1 G1000	Soil			17	25	0.28	313	0.018	<20	0.96	0.011	0.10	0.2	0.06	1.4	0.1	0.17	3	5.5	NA	NA	NA	NA
09G1 H000	Soil			20	13	0.06	577	0.005	<20	0.34	<0.001	0.11	<0.1	0.04	0.7	0.2	0.15	2	8.6	NA	NA	NA	NA
09G1 H050	Soil			30	26	0.10	624	0.002	<20	0.46	0.003	0.08	0.5	0.36	3.2	0.2	0.09	2	9.4	NA	NA	NA	NA
09G1 H100	Soil			30	32	0.05	776	0.005	<20	0.44	0.002	0.08	0.4	0.06	3.0	0.2	<0.05	2	8.4	NA	NA	NA	NA

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Project: EXPO
 Report Date: September 10, 2009

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CERTIFICATE OF ANALYSIS

VAN09003785.1

Method	Analyte	Unit	MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30			
				Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba
				ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	
				0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	1	0.01	1
09G1 F750	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 F800	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 F850	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 F900	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 F950	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 F1000	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 G000	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 G050	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 G100	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 G150	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 G200	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 G250	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 G300	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 G350	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 G400	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 G450	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 G500	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 G550	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 G600	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 G650	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 G700	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 G750	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 G800	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 G850	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 G900	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 G950	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 G1000	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 H000	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 H050	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09G1 H100	Soil			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

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CERTIFICATE OF ANALYSIS

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Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte	Tl	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
MDL	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
09G1 F750	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F800	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F850	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F900	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F950	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 F1000	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 G000	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 G050	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 G100	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 G150	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 G200	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 G250	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 G300	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 G350	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 G400	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 G450	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 G500	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 G550	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 G600	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 G650	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 G700	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 G750	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 G800	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 G850	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 G900	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 G950	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 G1000	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H000	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H050	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H100	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA



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CERTIFICATE OF ANALYSIS

VAN09003785 1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
09G1 H150	Soil	64.0	353.0	563.7	1670	13.1	233.5	10.1	701	7.10	366.0	12.7	41.4	3.3	131	8.5	21.1	18.4	73	0.57	0.479
09G1 H200	Soil	12.4	252.4	39.9	987	1.5	141.2	23.0	731	6.88	175.1	3.7	34.0	5.1	18	11.5	9.2	3.2	41	0.08	0.185
09G1 H250	Soil	15.0	87.8	48.2	433	2.3	86.9	7.3	157	3.39	124.3	3.4	4.2	1.2	23	1.2	9.4	3.6	70	0.04	0.223
09G1 H300	Soil	8.4	60.3	43.0	356	1.5	58.2	7.2	668	3.74	105.7	1.6	2.0	3.9	18	1.1	7.7	6.5	63	0.04	0.261
09G1 H350	Soil	6.9	46.1	41.5	215	1.2	36.4	3.2	85	1.75	81.5	1.9	13.6	1.8	71	0.6	8.5	4.8	55	0.05	0.145
09G1 H400	Soil	14.0	71.4	45.2	389	1.9	69.3	7.8	178	3.08	122.1	2.8	8.9	1.4	36	1.2	9.1	4.1	78	0.06	0.165
09G1 H450	Soil	16.2	94.2	53.4	478	1.1	102.6	9.5	182	3.55	135.4	3.5	2.9	2.9	39	1.5	12.6	3.6	85	0.06	0.146
09G1 H500	Soil	17.6	101.3	55.8	661	2.5	143.0	14.6	744	4.46	188.7	9.1	6.2	0.4	35	2.5	17.6	12.2	45	0.04	0.193
09G1 H550	Soil	18.5	123.0	33.8	515	1.0	123.4	8.5	227	3.14	94.8	5.0	3.5	2.8	40	1.7	11.1	2.6	125	0.14	0.274
09G1 H600	Soil	22.8	355.1	20.9	698	1.7	200.8	10.8	231	3.92	139.2	10.6	15.3	0.6	55	5.4	15.1	1.0	136	0.19	0.349
09G1 H650	Soil	13.4	217.5	19.7	393	2.0	134.4	11.9	307	3.48	147.4	6.3	20.5	0.8	71	3.4	19.1	1.1	83	0.16	0.241
09G1 H700	Soil	7.7	141.4	17.1	217	1.4	62.7	5.5	97	2.47	113.2	4.7	12.9	5.4	89	3.8	8.0	0.4	40	0.09	0.130
09G1 H750	Soil	27.1	213.6	19.1	579	1.3	184.8	11.0	198	3.53	207.1	6.2	5.5	1.0	60	2.9	43.9	1.0	126	0.30	0.311
09G1 H800	Soil	11.2	71.3	19.7	194	1.4	47.6	3.6	66	2.49	200.1	2.9	30.4	1.5	67	0.6	25.5	0.8	64	0.07	0.172
09G1 H850	Soil	7.1	137.3	29.8	258	1.0	86.7	15.3	364	3.28	39.5	3.6	5.5	6.8	45	1.4	5.2	0.7	57	0.30	0.185
09G1 H900	Soil	24.2	134.9	18.6	528	1.7	152.9	15.2	331	3.36	73.0	4.8	5.4	2.0	41	3.6	9.4	0.7	96	0.16	0.161
09G1 H950	Soil	41.0	124.2	26.7	719	2.5	105.0	8.0	169	3.42	51.5	11.4	5.6	4.8	44	6.8	9.4	0.5	84	0.08	0.157
09G1 H1000	Soil	17.1	282.1	91.8	1566	5.1	285.1	20.8	1753	3.67	96.9	7.8	7.7	4.2	46	23.7	8.1	3.0	117	0.49	0.257
09G1 I000	Soil	2.8	84.2	18.9	178	0.7	89.5	14.3	296	4.99	16.5	1.4	7.5	4.4	30	0.7	3.5	0.3	33	0.10	0.144
09G1 I050	Soil	3.6	67.8	13.9	187	0.5	81.0	14.0	307	3.60	15.7	1.6	6.1	5.3	29	0.8	3.3	0.3	30	0.10	0.103
09G1 I100	Soil	22.6	102.1	34.4	497	2.2	93.0	7.8	193	3.22	96.6	5.8	4.1	0.6	29	1.6	9.5	1.6	137	0.05	0.089
09G1 I150	Soil	86.2	171.6	169.1	669	7.0	121.9	11.2	324	4.26	244.4	17.0	30.6	4.7	242	4.5	22.7	11.2	136	0.18	0.388
09G1 I200	Soil	18.2	189.2	48.3	1044	5.2	157.1	15.1	480	3.30	172.6	7.1	14.0	3.2	109	7.6	30.9	6.9	76	0.49	0.364
09G1 I250	Soil	16.1	101.7	77.5	619	3.2	112.5	12.2	381	5.10	193.4	4.0	4.5	2.8	35	2.1	15.2	5.2	99	0.16	0.358
09G1 I300	Soil	15.1	86.3	39.8	471	0.6	91.7	7.7	171	2.67	114.5	2.5	1.6	0.2	29	1.1	11.0	3.0	83	0.03	0.085
09G1 I350	Soil	7.1	98.9	72.3	605	1.4	87.4	19.7	964	6.42	118.4	2.5	19.4	1.8	39	5.9	9.5	10.8	38	0.10	0.174
09G1 I400	Soil	8.9	61.4	54.6	405	1.6	72.7	10.3	643	3.11	88.3	2.3	2.7	0.5	21	1.7	7.0	5.5	51	0.05	0.191
09G1 I450	Soil	10.6	51.4	29.3	308	0.7	56.7	5.5	134	2.17	70.4	1.8	1.8	0.2	28	1.3	5.8	2.3	57	0.04	0.078
09G1 I500	Soil	17.5	90.3	41.2	480	1.3	101.4	16.8	1366	3.54	182.3	5.2	6.6	0.7	40	3.1	17.4	2.2	66	0.04	0.139
09G1 I550	Soil	9.4	114.5	25.6	364	1.1	82.2	11.6	378	2.58	171.2	4.7	27.2	2.9	49	2.1	8.2	1.1	59	0.17	0.186

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Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX30	1DX30	1DX30	1DX30	
Analyte	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Mo	Cu	Pb	Zn	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	1	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	0.1	0.1	0.1	1	
09G1 H150	Soil	9	34	0.02	599	0.003	<20	0.26	0.002	0.06	0.2	0.53	2.6	0.6	<0.05	1	33.3	NA	NA	NA	NA
09G1 H200	Soil	28	20	0.23	371	0.004	<20	0.45	<0.001	0.06	<0.1	0.29	2.5	0.1	<0.05	2	6.5	NA	NA	NA	NA
09G1 H250	Soil	17	23	0.12	415	0.008	<20	0.57	0.002	0.06	0.1	0.07	1.2	0.1	<0.05	3	6.4	NA	NA	NA	NA
09G1 H300	Soil	19	18	0.13	381	0.012	<20	0.55	0.004	0.06	0.1	0.04	1.4	0.2	<0.05	3	4.4	NA	NA	NA	NA
09G1 H350	Soil	16	18	0.04	1121	0.018	<20	0.38	0.003	0.05	0.1	0.06	0.8	0.1	<0.05	4	3.3	NA	NA	NA	NA
09G1 H400	Soil	19	23	0.11	569	0.010	<20	0.70	0.003	0.05	0.1	0.08	1.2	0.2	<0.05	3	5.5	NA	NA	NA	NA
09G1 H450	Soil	18	21	0.08	617	0.016	<20	0.36	0.002	0.05	0.2	0.04	1.4	0.1	<0.05	3	7.9	NA	NA	NA	NA
09G1 H500	Soil	29	25	0.09	698	0.004	<20	0.41	0.003	0.05	0.1	0.06	0.6	0.2	<0.05	2	8.2	NA	NA	NA	NA
09G1 H550	Soil	24	31	0.10	742	0.014	<20	0.59	0.003	0.06	0.2	0.05	2.0	0.2	<0.05	3	7.2	NA	NA	NA	NA
09G1 H600	Soil	17	36	0.28	951	0.004	<20	1.06	0.004	0.15	0.2	0.11	0.8	0.6	0.13	3	13.7	NA	NA	NA	NA
09G1 H650	Soil	20	36	0.20	1089	0.005	<20	0.78	0.004	0.16	0.1	0.13	1.8	0.5	0.20	3	14.0	NA	NA	NA	NA
09G1 H700	Soil	25	21	0.03	1125	0.001	<20	0.32	0.003	0.23	<0.1	0.07	2.8	0.4	0.33	2	10.8	NA	NA	NA	NA
09G1 H750	Soil	22	30	0.08	894	0.005	<20	0.45	0.003	0.07	0.3	0.08	1.6	0.3	<0.05	3	15.2	NA	NA	NA	NA
09G1 H800	Soil	18	22	0.06	892	0.006	<20	0.39	0.003	0.11	0.2	0.06	1.2	0.9	0.17	2	14.8	NA	NA	NA	NA
09G1 H850	Soil	34	32	0.84	653	0.029	<20	1.09	0.004	0.33	0.1	0.02	2.3	0.7	0.26	3	8.1	NA	NA	NA	NA
09G1 H900	Soil	24	156	0.95	381	0.011	<20	0.96	0.003	0.16	0.2	0.08	1.8	0.4	0.13	3	12.0	NA	NA	NA	NA
09G1 H950	Soil	22	26	0.25	400	0.003	<20	0.55	0.006	0.15	0.2	0.13	1.6	0.4	0.27	2	7.3	NA	NA	NA	NA
09G1 H1000	Soil	41	69	1.44	961	0.035	<20	1.49	0.005	0.04	0.1	0.26	5.1	0.2	<0.05	4	6.5	NA	NA	NA	NA
09G1 I000	Soil	30	47	0.46	509	0.002	<20	0.73	0.011	0.15	<0.1	0.03	2.2	0.2	0.21	3	4.7	NA	NA	NA	NA
09G1 I050	Soil	25	38	0.34	476	0.002	<20	0.62	0.004	0.08	<0.1	0.03	1.9	0.1	0.06	2	4.1	NA	NA	NA	NA
09G1 I100	Soil	20	29	0.14	573	0.006	<20	0.70	0.004	0.09	0.1	0.16	1.0	0.2	0.07	3	6.5	NA	NA	NA	NA
09G1 I150	Soil	21	36	0.04	2969	0.003	<20	0.58	0.003	0.11	0.3	0.97	2.0	0.3	0.13	2	34.3	NA	NA	NA	NA
09G1 I200	Soil	22	26	0.15	1283	0.012	<20	0.73	0.004	0.06	0.2	0.21	1.6	0.2	<0.05	2	9.0	NA	NA	NA	NA
09G1 I250	Soil	19	34	0.15	765	0.013	<20	0.60	0.002	0.07	0.2	0.10	1.8	0.1	<0.05	3	10.2	NA	NA	NA	NA
09G1 I300	Soil	17	16	0.02	494	0.003	<20	0.24	0.003	0.05	0.1	0.03	0.4	0.1	<0.05	2	7.6	NA	NA	NA	NA
09G1 I350	Soil	26	17	0.06	972	0.002	<20	0.37	0.002	0.06	<0.1	0.16	1.5	0.2	<0.05	1	7.5	NA	NA	NA	NA
09G1 I400	Soil	13	20	0.06	437	0.003	<20	0.40	0.003	0.08	0.2	0.08	0.4	<0.1	0.07	2	5.3	NA	NA	NA	NA
09G1 I450	Soil	17	11	0.03	502	0.005	<20	0.36	0.003	0.06	0.1	0.04	0.6	0.1	0.05	2	4.1	NA	NA	NA	NA
09G1 I500	Soil	30	26	0.12	893	0.006	<20	0.55	0.004	0.09	0.1	0.07	1.1	0.2	0.07	2	4.5	NA	NA	NA	NA
09G1 I550	Soil	16	20	0.19	735	0.007	<20	0.63	0.004	0.09	<0.1	0.32	2.1	0.3	<0.05	2	8.2	NA	NA	NA	NA

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 Report Date: September 10, 2009

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Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba
Unit	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm
MDL	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	1	0.01	1
09G1 H150	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H200	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H250	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H300	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H350	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H400	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H450	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H500	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H550	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H600	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H650	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H700	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H750	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H800	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H850	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H900	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H950	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H1000	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I000	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I050	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I100	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I150	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I200	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I250	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I300	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I350	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I400	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I450	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I500	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I550	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Project: EXPO
 Report Date: September 10, 2009

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VAN09003785.1

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte	Tl	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
MDL	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
09G1 H150	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H200	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H250	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H300	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H350	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H400	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H450	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H500	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H550	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H600	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H650	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H700	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H750	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H800	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H850	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H900	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H950	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 H1000	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I000	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I050	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I100	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I150	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I200	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I250	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I300	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I350	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I400	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I450	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I500	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I550	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
09G1 I600	Soil			13.9	149.8	16.4	279	1.3	101.5	6.8	128	2.83	142.8	6.6	15.3	2.1	84	1.5	23.0	0.9	76	0.48	0.400
09G1 I650	Soil			14.4	114.1	15.8	222	1.6	83.9	5.7	132	2.49	194.5	5.6	27.8	0.4	73	0.8	19.7	1.0	83	0.31	0.334
09G1 I750	Soil			27.2	115.0	14.6	262	0.9	108.0	4.3	98	3.53	189.0	7.2	2.8	0.9	71	0.8	32.3	1.1	331	1.21	1.095
09G1 I800	Soil			5.7	132.4	14.6	222	0.8	86.7	7.9	180	2.66	59.4	2.7	2.5	0.8	33	0.6	11.7	0.5	51	0.38	0.272
09G1 I850	Soil			10.5	132.9	15.0	219	0.9	100.0	6.5	101	2.40	47.9	3.2	1.0	0.2	38	0.7	9.4	0.7	91	0.07	0.125
09G1 I900	Soil			5.2	73.8	14.4	194	0.6	77.1	7.1	152	2.25	43.8	1.7	0.5	0.6	27	0.7	4.8	0.5	52	0.08	0.096
09G1 I950	Soil			12.7	80.1	24.0	234	1.8	62.5	5.4	144	3.44	40.3	4.8	2.4	0.9	47	0.7	6.7	1.0	55	0.20	0.210
09G1 I1000	Soil			60.4	215.4	46.8	2110	3.2	409.4	43.5	1097	5.50	125.4	13.0	6.3	3.9	26	12.1	11.6	1.7	244	0.35	0.240
09G1 J000	Soil			6.3	74.8	16.6	145	0.6	44.9	8.2	155	2.46	20.0	1.9	1.4	3.1	20	0.3	2.7	0.6	28	0.09	0.048
09G1 J050	Soil			7.2	68.5	14.8	134	0.8	39.8	8.2	255	2.89	22.3	1.9	2.3	4.4	18	0.5	3.1	1.3	25	0.06	0.056
09G1 J100	Soil			5.2	58.6	8.9	447	0.6	31.9	3.4	51	3.62	26.1	1.0	4.8	2.7	18	0.4	2.9	0.8	22	0.03	0.049
09G1 J150	Soil			4.1	127.2	43.1	360	0.9	88.9	23.4	603	4.45	61.7	1.4	16.7	2.5	18	2.2	7.2	3.8	23	0.04	0.095
09G1 J200	Soil			12.5	98.6	38.7	432	1.5	92.5	9.8	354	4.06	96.5	3.5	5.9	0.3	38	2.8	7.7	3.5	91	0.15	0.208
09G1 J250	Soil			17.0	103.8	69.3	560	1.1	116.3	10.7	754	3.55	146.9	4.3	2.6	0.5	36	3.5	13.3	6.4	106	0.13	0.245
09G1 J300	Soil			20.1	105.7	75.1	563	1.9	122.2	8.9	255	3.61	192.2	4.1	2.6	0.7	42	1.4	17.7	5.1	100	0.11	0.256
09G1 J350	Soil			17.4	119.2	57.4	596	1.3	121.0	11.2	496	3.34	179.7	5.0	4.8	0.3	52	4.5	15.5	4.5	81	0.26	0.228
09G1 J400	Soil			9.5	62.2	39.3	342	1.1	65.6	6.9	133	3.11	97.9	2.5	2.2	0.3	23	2.3	7.9	3.1	52	0.06	0.115
09G1 J450	Soil			16.8	86.3	59.5	485	1.4	96.7	9.3	253	3.56	147.8	4.2	4.0	0.4	38	3.3	10.9	4.3	81	0.10	0.155
09G1 J500	Soil			8.0	66.3	25.6	179	3.6	43.5	3.9	109	1.79	71.5	5.1	9.5	0.2	20	1.2	6.2	1.6	44	0.09	0.201
09G1 J550	Soil			16.7	95.8	17.6	232	0.7	82.2	4.5	93	2.57	81.5	5.6	2.5	0.5	33	0.8	13.6	0.9	110	0.22	0.242
09G1 J600	Soil			14.9	95.2	25.8	253	0.6	76.0	5.4	111	2.67	78.8	4.4	2.7	0.6	33	0.8	13.1	1.1	94	0.20	0.186
09G1 J650	Soil			14.8	75.1	16.9	199	0.7	55.8	5.0	97	2.42	64.7	4.5	4.3	0.3	30	0.6	11.8	1.0	88	0.37	0.256
09G1 J700	Soil			13.0	117.6	17.3	307	0.8	107.9	19.4	454	3.59	63.0	5.2	6.3	4.3	34	1.1	13.8	1.0	75	0.35	0.306
09G1 J750	Soil			13.5	93.3	21.4	252	0.6	119.2	10.3	187	2.92	60.7	4.3	2.2	0.4	28	0.7	9.9	0.7	100	0.18	0.181
09G1 J800	Soil			8.0	107.3	15.2	254	0.5	94.6	10.6	178	3.68	36.4	3.8	2.6	1.2	23	0.8	7.8	0.5	90	0.10	0.128
09G1 J850	Soil			11.1	51.4	20.4	181	0.6	44.3	5.4	170	2.98	34.0	2.6	3.1	1.1	15	0.5	6.2	0.6	68	0.05	0.098
09G1 J900	Soil			5.2	47.2	37.4	160	0.7	37.7	6.7	267	3.23	48.8	1.9	4.6	1.7	11	0.5	8.4	1.6	44	0.07	0.112
09G1 J950	Soil			5.7	72.9	37.5	194	0.7	52.6	8.9	306	3.15	49.5	3.0	4.7	5.8	16	0.8	12.9	3.0	35	0.12	0.121
09G1 J1000	Soil			5.9	71.3	40.9	215	0.3	58.2	7.4	199	2.95	81.2	3.0	5.5	1.7	11	0.5	11.8	1.4	41	0.04	0.087
MILL 1	Soil			N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Project: EXPO
 Report Date: September 10, 2009

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CERTIFICATE OF ANALYSIS VAN09003785 1

Method	Analyte	Unit	MDL	1DX La	1DX Cr	1DX Mg	1DX Ba	1DX Ti	1DX B	1DX Al	1DX Na	1DX K	1DX W	1DX Hg	1DX Sc	1DX Tl	1DX S	1DX Ga	1DX Se	1DX Mo	1DX30 Cu	1DX30 Pb	1DX30 Zn
				ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
				1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.1	0.1	0.1	1	
09G1 I600	Soil			18	27	0.14	1192	0.010	<20	0.61	0.003	0.10	0.2	0.06	17	0.3	0.20	2	14.5	NA	NA	NA	NA
09G1 I650	Soil			15	28	0.13	1173	0.005	<20	0.55	0.005	0.10	0.2	0.08	0.6	0.4	0.13	2	14.6	NA	NA	NA	NA
09G1 I750	Soil			23	47	0.21	762	0.011	<20	0.92	0.005	0.13	0.4	0.05	1.0	0.3	0.12	3	19.3	NA	NA	NA	NA
09G1 I800	Soil			18	34	0.32	336	0.013	<20	1.03	0.004	0.06	0.2	0.03	1.1	0.2	<0.05	3	5.5	NA	NA	NA	NA
09G1 I850	Soil			23	52	0.25	501	0.004	<20	0.54	0.005	0.09	0.2	0.04	0.7	0.4	0.14	3	6.5	NA	NA	NA	NA
09G1 I900	Soil			15	107	0.69	284	0.016	<20	0.82	0.004	0.10	<0.1	0.02	1.0	0.2	0.10	4	4.8	NA	NA	NA	NA
09G1 I950	Soil			29	28	0.42	347	0.009	<20	0.89	0.005	0.10	0.1	0.04	0.9	0.2	0.14	3	7.0	NA	NA	NA	NA
09G1 I1000	Soil			40	63	1.36	323	0.029	<20	1.42	0.005	0.05	0.3	0.13	4.8	0.4	<0.05	4	10.9	NA	NA	NA	NA
09G1 J000	Soil			24	12	0.16	419	0.003	<20	0.42	0.004	0.08	<0.1	0.02	1.0	0.1	0.10	2	3.1	NA	NA	NA	NA
09G1 J050	Soil			27	10	0.16	405	<0.001	<20	0.43	0.004	0.08	<0.1	0.05	1.4	0.1	0.14	2	3.9	NA	NA	NA	NA
09G1 J100	Soil			7	8	0.02	413	<0.001	<20	0.13	0.005	0.15	0.1	0.15	0.7	0.1	0.36	1	19.6	NA	NA	NA	NA
09G1 J150	Soil			20	17	0.33	308	0.001	<20	0.57	<0.001	0.04	<0.1	0.10	1.3	0.1	0.05	2	6.3	NA	NA	NA	NA
09G1 J200	Soil			12	52	0.19	820	0.003	<20	0.77	0.006	0.10	0.1	0.14	0.8	0.2	0.15	4	9.7	NA	NA	NA	NA
09G1 J250	Soil			16	51	0.15	825	0.003	<20	0.56	0.004	0.07	0.1	0.09	0.6	0.1	0.09	3	9.6	NA	NA	NA	NA
09G1 J300	Soil			19	26	0.08	743	0.005	<20	0.43	0.003	0.07	0.2	0.06	1.0	0.2	0.09	2	10.2	NA	NA	NA	NA
09G1 J350	Soil			16	26	0.14	877	0.002	<20	0.53	0.004	0.07	0.2	0.13	0.7	0.1	0.09	2	9.1	NA	NA	NA	NA
09G1 J400	Soil			18	26	0.13	948	0.003	<20	0.67	0.003	0.04	0.1	0.08	0.4	0.1	0.07	2	3.7	NA	NA	NA	NA
09G1 J450	Soil			19	35	0.14	1051	0.004	<20	0.84	0.004	0.08	0.1	0.10	0.8	0.2	0.09	3	6.4	NA	NA	NA	NA
09G1 J500	Soil			16	29	0.17	697	0.003	<20	0.94	0.009	0.05	<0.1	0.13	0.4	0.2	0.14	3	5.6	NA	NA	NA	NA
09G1 J550	Soil			21	31	0.18	665	0.003	<20	0.64	0.004	0.09	0.1	0.04	0.5	0.3	0.16	3	10.5	NA	NA	NA	NA
09G1 J600	Soil			22	19	0.25	562	0.010	<20	0.72	0.004	0.09	0.1	0.03	0.9	0.2	0.15	3	11.1	NA	NA	NA	NA
09G1 J650	Soil			18	26	0.21	352	0.009	<20	0.95	0.010	0.06	0.1	0.08	0.5	0.2	0.06	3	7.0	NA	NA	NA	NA
09G1 J700	Soil			20	59	0.57	370	0.036	<20	1.19	0.006	0.10	0.2	0.03	2.4	0.3	0.10	4	6.1	NA	NA	NA	NA
09G1 J750	Soil			19	115	0.64	376	0.010	<20	0.94	0.005	0.07	<0.1	0.03	0.7	0.2	0.08	4	6.1	NA	NA	NA	NA
09G1 J800	Soil			23	73	0.96	301	0.012	<20	1.30	0.005	0.06	0.1	0.02	2.0	0.3	0.13	5	7.1	NA	NA	NA	NA
09G1 J850	Soil			24	31	0.22	370	0.013	<20	0.86	0.005	0.07	0.1	0.04	1.1	0.2	0.14	3	5.3	NA	NA	NA	NA
09G1 J900	Soil			20	21	0.17	163	0.017	<20	0.90	0.004	0.04	<0.1	0.08	1.3	0.1	0.07	3	1.9	NA	NA	NA	NA
09G1 J950	Soil			25	16	0.15	235	0.017	<20	0.56	0.003	0.07	0.3	0.07	2.1	<0.1	0.06	2	2.7	NA	NA	NA	NA
09G1 J1000	Soil			26	16	0.15	173	0.006	<20	0.71	0.003	0.05	<0.1	0.05	1.3	0.1	0.06	2	2.6	NA	NA	NA	NA
MILL 1	Soil			N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	9.0	81.7	4385	3729

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Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	
Unit	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	
MDL	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001	1	1	0.01	1
09G1 I600	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I650	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I750	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I800	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I850	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I900	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I950	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 I1000	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 J000	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 J050	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 J100	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 J150	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 J200	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 J250	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 J300	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 J350	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 J400	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 J450	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 J500	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 J550	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 J600	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 J650	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 J700	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 J750	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 J800	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 J850	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 J900	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 J950	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09G1 J1000	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MILL 1	Soil	50.5	102.2	14.6	719	12.15	>10000	0.6	7847	0.8	66	160.2	103.1	24.2	7	1.03	0.047	2	45	0.29	18

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 Report Date: September 10, 2009

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CERTIFICATE OF ANALYSIS VAN09003785-1

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
Analyte	Tl	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
09G1 I600	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 I650	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 I750	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 I800	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 I850	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 I900	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 I950	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 I1000	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 J000	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 J050	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 J100	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 J150	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 J200	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 J250	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 J300	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 J350	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 J400	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 J450	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 J500	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 J550	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 J600	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 J650	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 J700	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 J750	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 J800	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 J850	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 J900	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 J950	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
09G1 J1000	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
MILL 1	Soil	0.002	<1	0.17	0.003	0.06	4.0	0.08	0.9	<0.1	7.68	<1	0.9

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CERTIFICATE OF ANALYSIS VAN09003785-1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
MILL 2	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MILL 3	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA



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Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX30	1DX30	1DX30	1DX30
Analyte	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Mo	Cu	Pb	Zn	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	1	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	0.1	0.1	0.1	1	
MILL 2	Soil	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	8.3	67.6	3525	3631	
MILL 3	Soil	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	8.7	77.1	4972	3916	



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Whitehorse YT Y1A 6N4 Canada

Project: EXPO
Report Date: September 10, 2009

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CERTIFICATE OF ANALYSIS

VAN09003785 1

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
Analyte	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	
Unit	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	
MDL	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	1	0.01	1	
MILL 2	Soil	36.2	86.6	10.6	756	10.03	>10000	0.6	4197	0.8	68	152.3	76.6	17.2	4	1.07	0.048	2	55	0.33	19
MILL 3	Soil	55.9	182.1	15.3	569	14.98	>10000	0.6	11831	0.6	48	165.2	116.2	24.3	5	0.78	0.038	1	83	0.22	13



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CERTIFICATE OF ANALYSIS VAN09003785-1

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
Analyte	Tl	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
MILL 2	Soil	0.001	<1	0.17	0.003	0.06	2.8	0.07	1.1	<0.1	5.80	<1	1.0
MILL 3	Soil	<0.001	<1	0.11	<0.001	0.04	5.2	0.09	0.7	0.1	8.92	<1	1.2



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QUALITY CONTROL REPORT

VAN09003785 1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																							
09G1 A050	Soil			15.3	110.3	199.8	362	1.7	78.0	7.9	768	4.97	256.6	3.9	0.8	3.2	48	0.8	15.3	1.1	28	0.15	0.288
REP 09G1 A050	QC			15.8	113.6	195.7	377	1.7	83.7	8.0	767	5.00	248.7	3.9	1.6	3.1	48	0.9	16.1	1.0	27	0.16	0.303
09G1 D250	Soil			5.3	104.3	18.5	232	1.2	70.3	11.2	898	2.22	36.7	13.7	5.7	0.9	58	4.6	3.4	1.2	27	0.70	0.122
REP 09G1 D250	QC			5.2	97.5	17.7	240	1.2	71.6	10.5	896	2.19	36.6	13.3	5.0	0.8	58	4.8	3.4	1.2	27	0.69	0.126
09G1 F150	Soil			13.3	142.4	101.6	695	2.4	125.4	12.8	320	4.29	251.7	4.2	6.2	3.1	52	2.7	13.8	7.9	68	0.11	0.138
REP 09G1 F150	QC			13.1	147.4	102.4	714	2.5	123.4	12.8	331	4.28	251.5	4.5	5.4	3.2	54	2.6	12.9	8.1	69	0.11	0.142
09G1 I450	Soil			10.6	51.4	29.3	308	0.7	56.7	5.5	134	2.17	70.4	1.8	1.8	0.2	28	1.3	5.8	2.3	57	0.04	0.078
REP 09G1 I450	QC			10.0	49.1	28.1	303	0.7	54.6	5.7	134	2.25	72.6	1.8	2.0	0.2	28	1.4	5.8	2.3	58	0.04	0.085
09G1 J900	Soil			5.2	47.2	37.4	180	0.7	37.7	6.7	267	3.23	48.8	1.9	4.6	1.7	11	0.5	8.4	1.6	44	0.07	0.112
REP 09G1 J900	QC			5.3	46.1	34.1	156	0.7	38.0	6.7	258	3.16	47.8	1.8	3.6	1.4	10	0.5	8.5	1.3	43	0.07	0.104
MILL 1	Soil			N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP MILL 1	QC																						
Reference Materials																							
STD DS7	Standard			21.2	108.1	69.1	376	0.9	57.5	9.7	648	2.44	52.3	4.7	57.8	4.4	69	6.1	5.3	4.3	84	0.95	0.078
STD DS7	Standard			20.7	107.3	66.8	378	0.7	58.0	9.7	642	2.38	51.3	4.2	47.6	3.8	67	5.7	4.9	4.2	85	0.91	0.072
STD DS7	Standard			19.6	94.4	63.5	360	0.7	50.9	8.3	604	2.30	44.0	3.9	45.4	4.1	68	5.9	4.3	4.1	78	0.86	0.075
STD DS7	Standard			19.8	101.8	61.6	350	0.7	50.1	8.9	610	2.30	45.2	4.1	53.6	3.9	72	6.0	3.7	3.8	77	0.83	0.069
STD DS7	Standard			20.8	115.0	73.8	402	0.8	58.5	9.3	655	2.53	50.6	5.3	50.2	4.9	76	6.0	5.5	4.7	84	0.90	0.072
STD DS7	Standard			22.1	120.6	74.6	430	0.8	63.7	9.8	656	2.57	50.7	5.1	51.9	5.2	82	6.7	5.6	4.9	86	0.94	0.079
STD DS7	Standard			20.8	109.2	63.8	398	0.7	51.6	9.0	619	2.33	46.8	5.7	55.7	4.2	70	5.8	5.4	4.1	78	0.90	0.075
STD DS7	Standard																						
STD OREAS45PA	Standard			1.0	604.9	16.8	109	0.2	281.0	101.0	977	14.58	4.3	1.0	41.1	5.7	11	<0.1	0.2	0.2	211	0.22	0.032
STD OREAS45PA	Standard			1.2	604.0	18.0	105	0.2	280.3	105.4	1093	15.36	5.1	1.1	37.9	5.8	12	<0.1	0.2	0.2	221	0.24	0.031
STD OREAS45PA	Standard			0.8	517.6	16.1	111	0.2	242.9	87.5	917	16.09	4.2	0.9	40.0	5.2	13	<0.1	<0.1	0.2	188	0.20	0.030
STD OREAS45PA	Standard			0.9	546.8	15.9	101	0.2	245.8	91.0	928	15.10	4.0	1.0	41.3	5.3	12	0.1	<0.1	0.1	193	0.20	0.027
STD OREAS45PA	Standard			0.9	584.4	19.3	124	0.3	289.3	105.3	1131	16.08	4.5	1.1	47.6	6.4	14	0.1	0.2	0.2	194	0.23	0.032
STD OREAS45PA	Standard			0.9	553.2	18.8	124	0.3	283.6	102.5	1054	15.88	4.5	1.1	38.2	6.5	14	<0.1	0.1	0.2	178	0.21	0.030
STD OREAS45PA	Standard			1.0	553.0	16.5	108	0.2	252.4	97.9	1047	15.27	4.4	1.0	31.8	5.7	14	0.1	0.3	0.2	197	0.24	0.030

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QUALITY CONTROL REPORT VAN09003785 1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX30	1DX30	1DX30	1DX30	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Mo	Cu	Pb	Zn	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	1	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	0.1	0.1	0.1	1	
Pulp Duplicates																					
09G1 A050	Soil	10	7	<0.01	197	0.004	<20	0.26	0.004	0.05	<0.1	0.04	1.0	0.4	0.10	1	11.4	NA	NA	NA	
REP 09G1 A050	QC	10	6	0.01	205	0.004	<20	0.26	0.004	0.05	0.2	0.03	1.0	0.4	0.10	1	12.5				
09G1 D250	Soil	10	14	0.28	1284	0.005	<20	0.81	0.018	0.04	<0.1	0.22	1.8	0.1	0.11	2	5.4	NA	NA	NA	
REP 09G1 D250	QC	9	14	0.28	1245	0.004	<20	0.79	0.018	0.04	<0.1	0.21	1.7	0.1	0.12	2	5.1				
09G1 F150	Soil	20	20	0.08	740	0.002	<20	0.35	0.003	0.11	0.1	0.15	1.7	0.2	0.16	2	10.3	NA	NA	NA	
REP 09G1 F150	QC	20	20	0.08	783	0.002	<20	0.38	0.003	0.11	0.1	0.12	1.7	0.3	0.17	2	9.8				
09G1 I450	Soil	17	11	0.03	502	0.005	<20	0.36	0.003	0.06	0.1	0.04	0.6	0.1	0.05	2	4.1	NA	NA	NA	
REP 09G1 I450	QC	17	17	0.03	502	0.006	<20	0.36	0.004	0.06	<0.1	0.03	0.5	0.1	<0.05	2	4.4				
09G1 J900	Soil	20	21	0.17	163	0.017	<20	0.90	0.004	0.04	<0.1	0.08	1.3	0.1	0.07	3	1.9	NA	NA	NA	
REP 09G1 J900	QC	18	21	0.16	146	0.016	<20	0.81	0.004	0.04	0.1	0.06	1.2	<0.1	0.06	3	2.3				
MILL 1	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.0	81.7	4385	3729
REP MILL 1	QC																	9.0	77.4	4494	3764
Reference Materials																					
STD DS7	Standard	12	216	1.04	411	0.108	35	0.99	0.106	0.50	3.3	0.19	2.2	4.3	0.27	5	3.8				
STD DS7	Standard	11	203	1.06	421	0.109	32	1.01	0.105	0.51	3.2	0.18	2.0	4.0	0.20	5	3.9				
STD DS7	Standard	11	182	1.05	379	0.107	30	0.97	0.093	0.50	3.2	0.17	2.2	3.8	0.17	4	3.2				
STD DS7	Standard	11	195	0.94	398	0.108	31	1.04	0.106	0.42	2.6	0.16	2.0	4.0	0.14	5	3.4				
STD DS7	Standard	12	203	1.09	411	0.137	32	1.08	0.105	0.47	3.5	0.19	2.5	4.4	0.17	4	3.6				
STD DS7	Standard	13	203	1.12	458	0.142	42	1.12	0.104	0.52	3.6	0.21	2.5	4.3	0.19	5	4.1				
STD DS7	Standard	12	198	0.96	406	0.116	33	0.99	0.090	0.43	3.3	0.16	2.1	4.0	0.17	5	3.7				
STD DS7	Standard																	19.4	106.4	65.4	386
STD OREAS45PA	Standard	14	797	0.08	167	0.106	<20	2.73	0.011	0.07	<0.1	0.03	33.8	<0.1	<0.05	15	<0.5				
STD OREAS45PA	Standard	14	851	0.08	174	0.108	<20	2.80	0.011	0.07	<0.1	0.03	34.9	<0.1	<0.05	15	0.8				
STD OREAS45PA	Standard	14	716	0.09	165	0.098	<20	2.62	0.010	0.06	<0.1	0.02	32.4	<0.1	<0.05	14	0.6				
STD OREAS45PA	Standard	13	769	0.09	158	0.104	<20	2.79	0.010	0.07	<0.1	0.02	37.2	<0.1	<0.05	15	0.9				
STD OREAS45PA	Standard	14	747	0.11	171	0.139	<20	3.04	0.011	0.07	<0.1	0.03	41.6	<0.1	<0.05	17	0.6				
STD OREAS45PA	Standard	14	646	0.11	169	0.118	<20	2.85	0.011	0.07	<0.1	0.03	37.3	<0.1	<0.05	16	0.6				
STD OREAS45PA	Standard	14	692	0.09	173	0.109	<20	2.53	0.009	0.07	<0.1	0.01	38.0	<0.1	<0.05	15	0.7				

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QUALITY CONTROL REPORT VAN09003785-1

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba
Unit	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm
MDL	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001	1	1	0.01
Pulp Duplicates																				
09G1 A050	Soil	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
REP 09G1 A050	QC																			
09G1 D250	Soil	N.A.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
REP 09G1 D250	QC																			
09G1 F150	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
REP 09G1 F150	QC																			
09G1 I450	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
REP 09G1 I450	QC																			
09G1 J900	Soil	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
REP 09G1 J900	QC																			
MILL 1	Soil	50.5	102.2	14.6	719	12.15	>10000	0.6	7847	0.8	66	160.2	103.1	24.2	7	103	0.047	2	45	0.29
REP MILL 1	QC	51.0	96.3	14.0	735	12.25	>10000	0.6	7651	0.8	66	164.0	103.3	23.7	6	103	0.046	2	46	0.27
Reference Materials																				
STD DS7	Standard																			
STD DS7	Standard																			
STD DS7	Standard																			
STD DS7	Standard																			
STD DS7	Standard																			
STD DS7	Standard																			
STD DS7	Standard																			
STD DS7	Standard	0.7	55.0	8.8	633	2.46	54.3	4.8	75.9	4.3	74	5.7	5.7	4.3	82	0.98	0.069	12	172	1.02
STD OREAS45PA	Standard																			
STD OREAS45PA	Standard																			
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QUALITY CONTROL REPORT

VAN09003785 1

Method		1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
Analyte		Tl	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
MDL		0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Pulp Duplicates													
09G1 A050	Soil	N.A.	NA	N.A.	NA	N.A.	NA	NA	N.A.	NA	N.A.	NA	N.A.
REP 09G1 A050	QC												
09G1 D250	Soil	N.A.	NA	N.A.	NA	N.A.	NA	NA	N.A.	NA	N.A.	NA	N.A.
REP 09G1 D250	QC												
09G1 F150	Soil	N.A.	NA	N.A.	NA	N.A.	NA	NA	N.A.	NA	N.A.	NA	N.A.
REP 09G1 F150	QC												
09G1 I450	Soil	N.A.	NA	N.A.	NA	N.A.	NA	NA	N.A.	NA	N.A.	NA	N.A.
REP 09G1 I450	QC												
09G1 J900	Soil	N.A.	NA	N.A.	NA	N.A.	NA	NA	N.A.	NA	N.A.	NA	N.A.
REP 09G1 J900	QC												
MILL 1	Soil	0.002	<1	0.17	0.003	0.06	4.0	0.08	0.9	<0.1	7.68	<1	0.9
REP MILL 1	QC	0.001	<1	0.16	0.002	0.06	4.1	0.09	1.0	<0.1	7.53	<1	1.4
Reference Materials													
STD DS7	Standard												
STD DS7	Standard												
STD DS7	Standard												
STD DS7	Standard												
STD DS7	Standard												
STD DS7	Standard												
STD DS7	Standard												
STD DS7	Standard	0.112	38	1.02	0.092	0.44	3.8	0.20	2.5	4.0	0.17	5	3.6
STD OREAS45PA	Standard												
STD OREAS45PA	Standard												
STD OREAS45PA	Standard												
STD OREAS45PA	Standard												
STD OREAS45PA	Standard												
STD OREAS45PA	Standard												

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QUALITY CONTROL REPORT VAN09003785-1

		1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
STD OREAS45PA Expected		0.9	600	19	119	0.3	281	104	1130	16 559	4.2	1.2	43	6	14	0.09	0.13	0.18	221	0.2411	0.034
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

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Project: EXPO
 Report Date: September 10, 2009

Page 2 of 2 Part 2

QUALITY CONTROL REPORT VAN09003785 1

	1DX La ppm	1DX Cr ppm	1DX Mg %	1DX Ba ppm	1DX Ti %	1DX B ppm	1DX Al %	1DX Na %	1DX K %	1DX W ppm	1DX Hg ppm	1DX Sc ppm	1DX Ti ppm	1DX S %	1DX Ga ppm	1DX Se ppm	1DX30 Mo ppm	1DX30 Cu ppm	1DX30 Pb ppm	1DX30 Zn ppm
	1	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	0.1	0.1	0.1	1
STD OREAS45PA Expected	16.2	873	0.095	187	0.124		3.34	0.011	0.0665	0.011	0.03	43	0.07	0.03	16.8	0.54				
STD DS7 Expected	12	179	1.05	370	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	20.5	109	70.6	411
BLK Blank	<1	<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				
BLK Blank	<1	<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				
BLK Blank	<1	<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				
BLK Blank	<1	<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				
BLK Blank	<1	<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				
BLK Blank	<1	<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				
BLK Blank																	<0.1	<0.1	<0.1	<1

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Project: EXPO
Report Date: September 10, 2009

Page 2 of 2 Part 3

QUALITY CONTROL REPORT VAN09003785 1

	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	
	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	
	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	1	0.01	1	
STD OREAS45PA Expected																					
STD DS7 Expected	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08	12	179	1.05	370	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.01	9.2	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1	<1	<0.01	<1

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Project: EXPO
 Report Date: September 10, 2009

Page 2 of 2 Part 4

QUALITY CONTROL REPORT

VAN09003785-1

	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
	Tl	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
STD OREAS45PA Expected												
STD DS7 Expected	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<1	<0.5

Appendix V

SOIL GEOCHEMISTRY MAPS

130°12'00" W

130°11'00" W

N

•09G1A00	•09G1B00	•09G1C00	•09G1D00	•09G1E00	•09G1F00	•09G1G00	•09G1H00	•09G1I00	•09G1J00
•09G1A50	•09G1B50	•09G1C50	•09G1D50	•09G1E50	•09G1F50	•09G1G50	•09G1H50	•09G1I50	•09G1J50
•09G1A100	•09G1B100	•09G1C100	•09G1D100	•09G1E100	•09G1F100	•09G1G100	•09G1H100	•09G1I100	•09G1J100
•09G1A150	•09G1B150	•09G1C150	•09G1D150	•09G1E150	•09G1F150	•09G1G150	•09G1H150	•09G1I150	•09G1J150
•09G1A200	•09G1B200	•09G1C200	•09G1D200	•09G1E200	•09G1F200	•09G1G200	•09G1H200	•09G1I200	•09G1J200
•09G1A250	•09G1B250	•09G1C250	•09G1D250	•09G1E250	•09G1F250	•09G1G250	•09G1H250	•09G1I250	•09G1J250
•09G1A300	•09G1B300	•09G1C300	•09G1D300	•09G1E300	•09G1F300	•09G1G300	•09G1H300	•09G1I300	•09G1J300
•09G1A350	•09G1B350	•09G1C350	•09G1D350	•09G1E350	•09G1F350	•09G1G350	•09G1H350	•09G1I350	•09G1J350
•09G1A400	•09G1B400	•09G1C400	•09G1D400	•09G1E400	•09G1F400	•09G1G400	•09G1H400	•09G1I400	•09G1J400
•09G1A450	•09G1B450	•09G1C450	•09G1D450	•09G1E450	•09G1F450	•09G1G450	•09G1H450	•09G1I450	•09G1J450
•09G1A500	•09G1B500	•09G1C500	•09G1D500	•09G1E500	•09G1F500	•09G1G500	•09G1H500	•09G1I500	•09G1J500
•09G1A550	•09G1B550	•09G1C550	•09G1D550	•09G1E550	•09G1F550	•09G1G550	•09G1H550	•09G1I550	•09G1J550
•09G1A600	•09G1B600	•09G1C600	•09G1D600	•09G1E600	•09G1F600	•09G1G600	•09G1H600	•09G1I600	•09G1J600
•09G1A650	•09G1B650	•09G1C650	•09G1D650	•09G1E650	•09G1F650	•09G1G650	•09G1H650	•09G1I650	•09G1J650
•09G1A700	•09G1B700	•09G1C700	•09G1D700	•09G1E700	•09G1F700	•09G1G700	•09G1H700	•09G1I700	•09G1J700
•09G1A750	•09G1B750	•09G1C750	•09G1D750	•09G1E750	•09G1F750	•09G1G750	•09G1H750	•09G1I750	•09G1J750
•09G1A800	•09G1B800	•09G1C800	•09G1D800	•09G1E800	•09G1F800	•09G1G800	•09G1H800	•09G1I800	•09G1J800
•09G1A850	•09G1B850	•09G1C850	•09G1D850	•09G1E850	•09G1F850	•09G1G850	•09G1H850	•09G1I850	•09G1J850
•09G1A900	•09G1B900	•09G1C900	•09G1D900	•09G1E900	•09G1F900	•09G1G900	•09G1H900	•09G1I900	•09G1J900
•09G1A950	•09G1B950	•09G1C950	•09G1D950	•09G1E950	•09G1F950	•09G1G950	•09G1H950	•09G1I950	•09G1J950
•09G1A1000	•09G1B1000	•09G1C1000	•09G1D1000	•09G1E1000	•09G1F1000	•09G1G1000	•09G1H1000	•09G1I1000	•09G1J1000

EXPO 32
YB51983

EXPO 67
YB52018

EXPO 68
YB52019

EXPO 30
YB51981

EXPO 65
YB52016

EXPO 174
YB52123

EXPO 172
YB52121

61°12'30" N

61°12'30" N

Ron Berdahl
Sampled August 2009

- Sample Location
- Claim Boundaries
- 20' Contours
- 100' Contours
- Water

170
119

1:6500



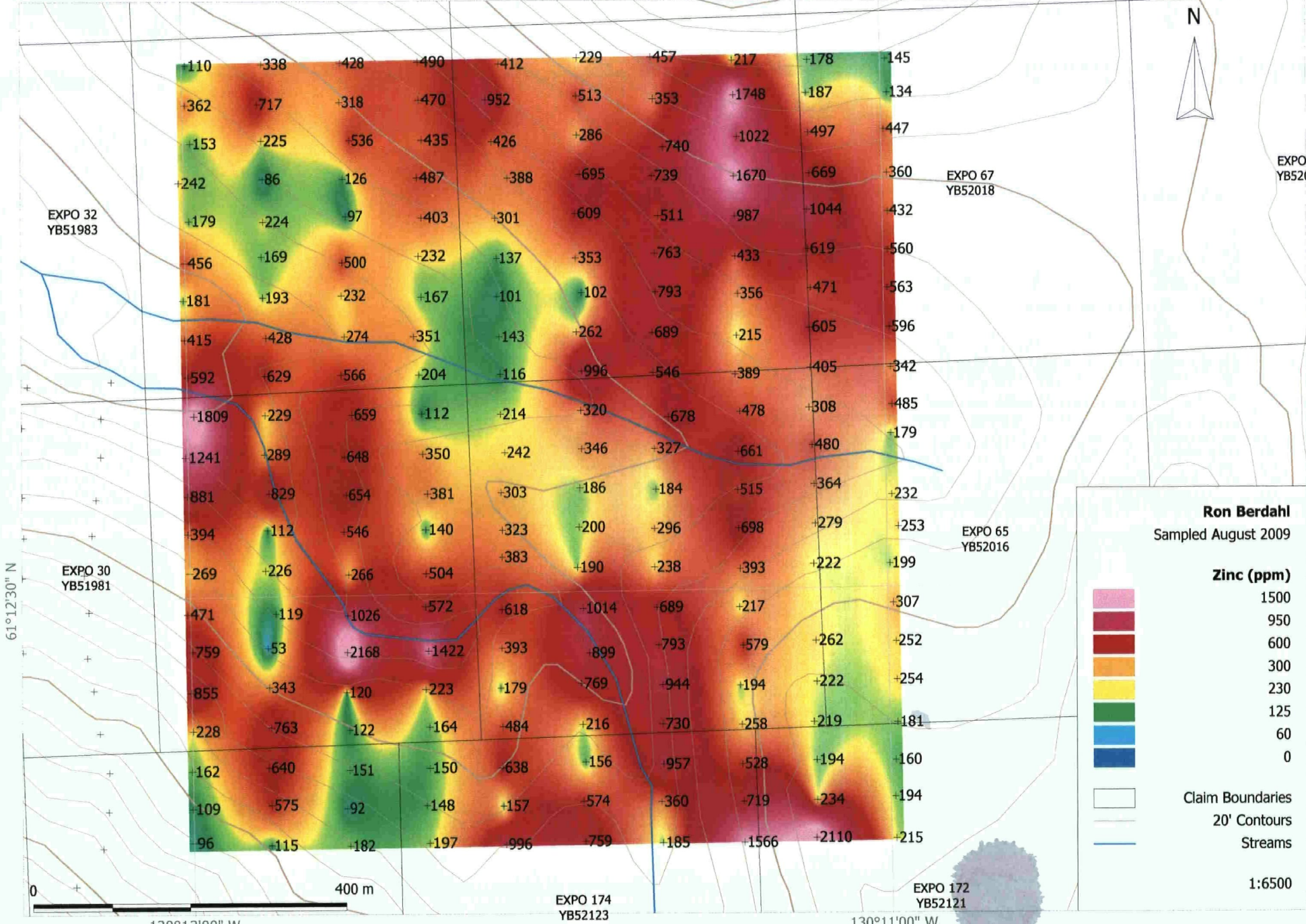
130°12'00" W

130°11'00" W

EXPO PROPERTY - Sample Locations

130°12'00" W

130°11'00" W



Ron Berdahl
Sampled August 2009

Zinc (ppm)

Light Pink	1500
Dark Pink	950
Red	600
Orange	300
Yellow	230
Green	125
Light Blue	60
Dark Blue	0

170
119

Claim Boundaries
20' Contours
Streams

1:6500

61°12'30" N

61°12'30" N

0 400 m

130°12'00" W

130°11'00" W

EXPO PROPERTY

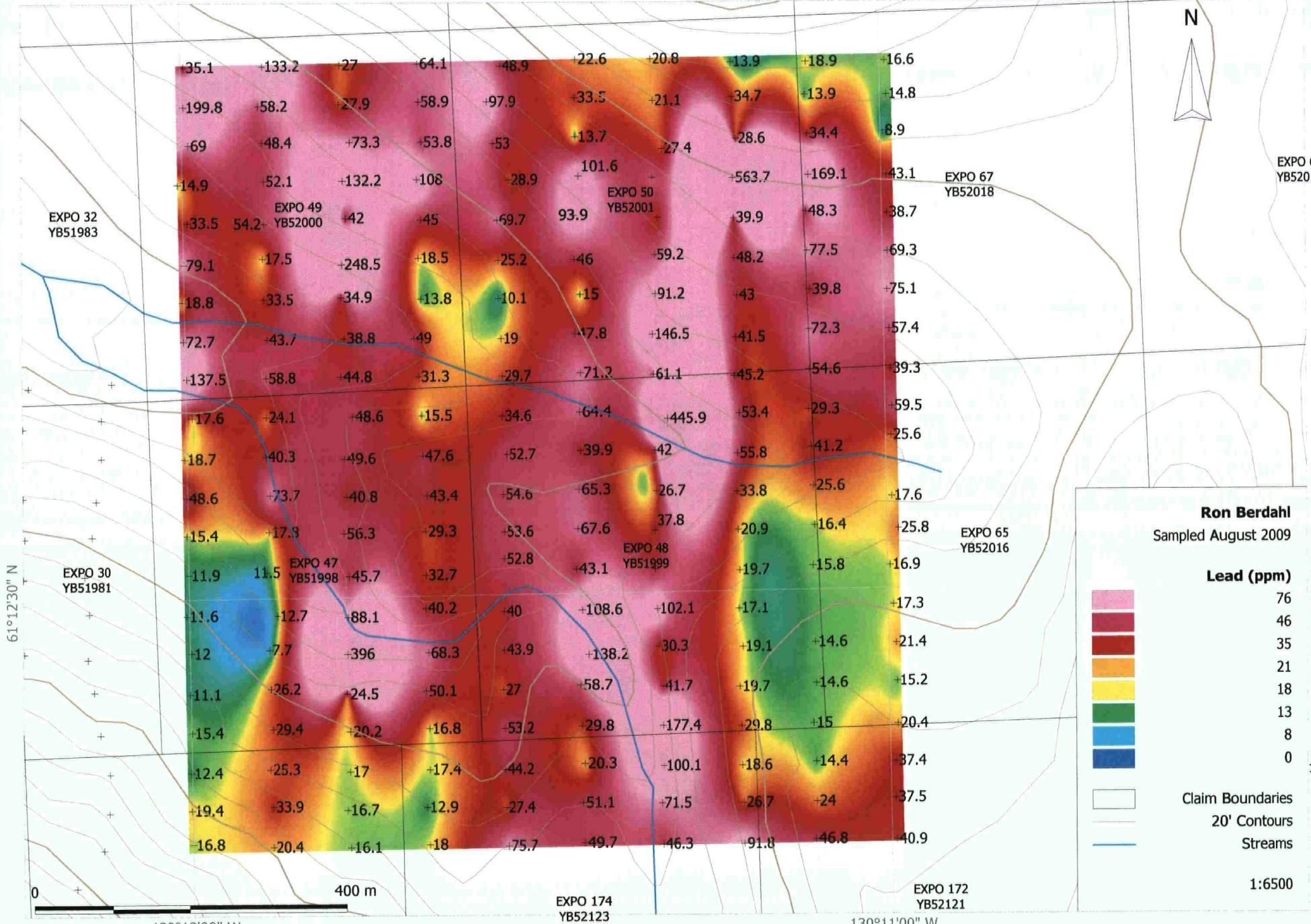
Geochemistry - Zn (ppm)

Mapsheet 105 G 01

130°12'00" W

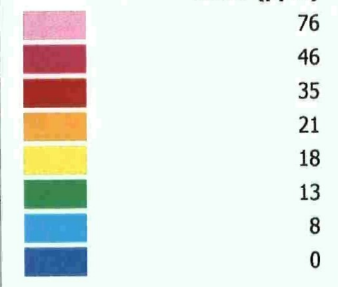
130°11'00" W

N



Ron Berdahl
Sampled August 2009

Lead (ppm)



1:6500

130°12'00" W

130°11'00" W

61°12'30" N

61°12'30" N

170
119

EXPO PROPERTY

Geochemistry - Pb (ppm)

Mapsheet 105 G 01

EXPO 174
YB52123

EXPO 172
YB52121

EXPO 32
YB51983

EXPO 49
YB52000

EXPO 50
YB52001

EXPO 67
YB52018

EXPO 68
YB52019

EXPO 30
YB51981

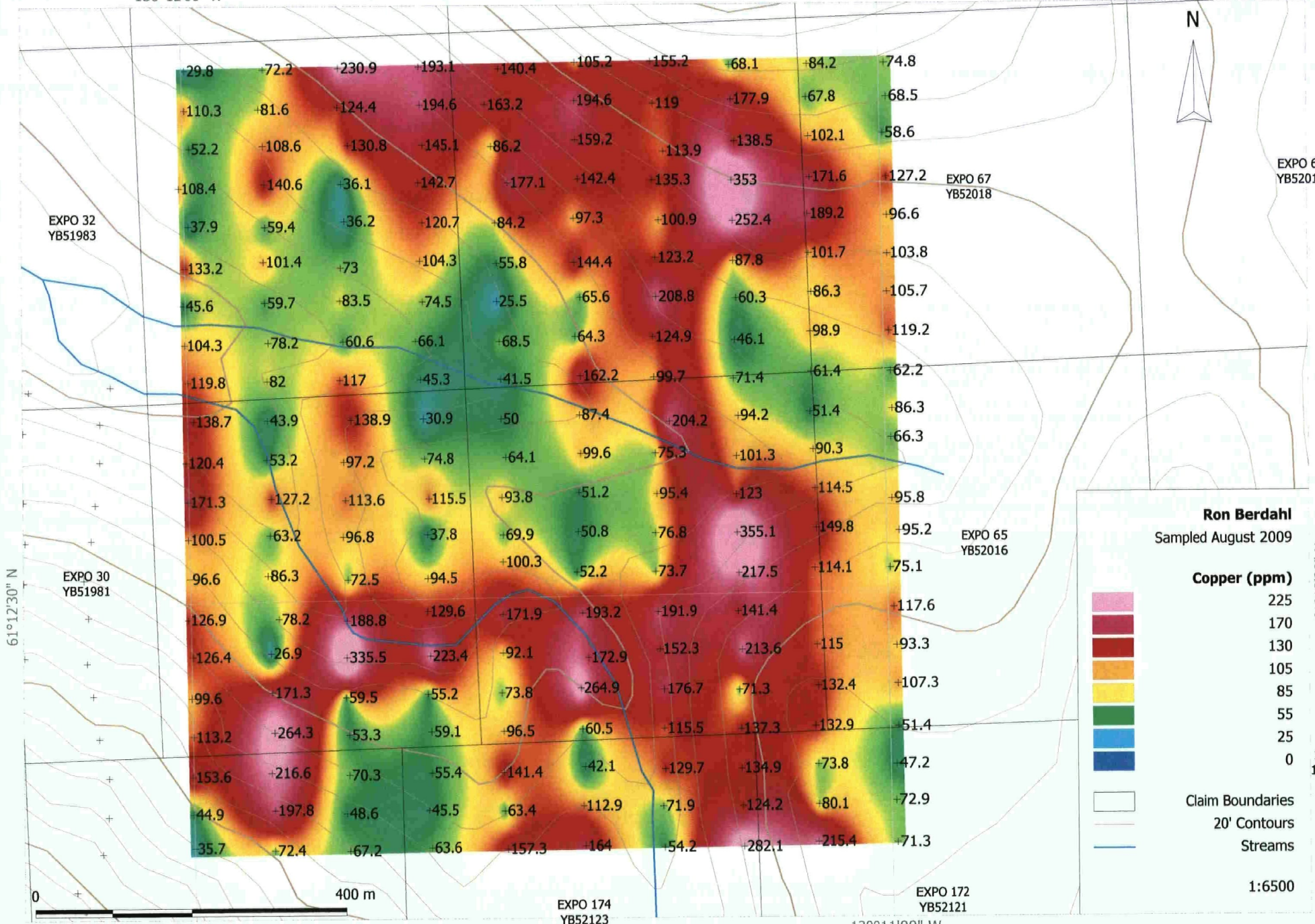
EXPO 47
YB51998

EXPO 48
YB51999

EXPO 65
YB52016

130°12'00" W

130°11'00" W



61°12'30" N

61°12'30" N

130°12'00" W

130°11'00" W

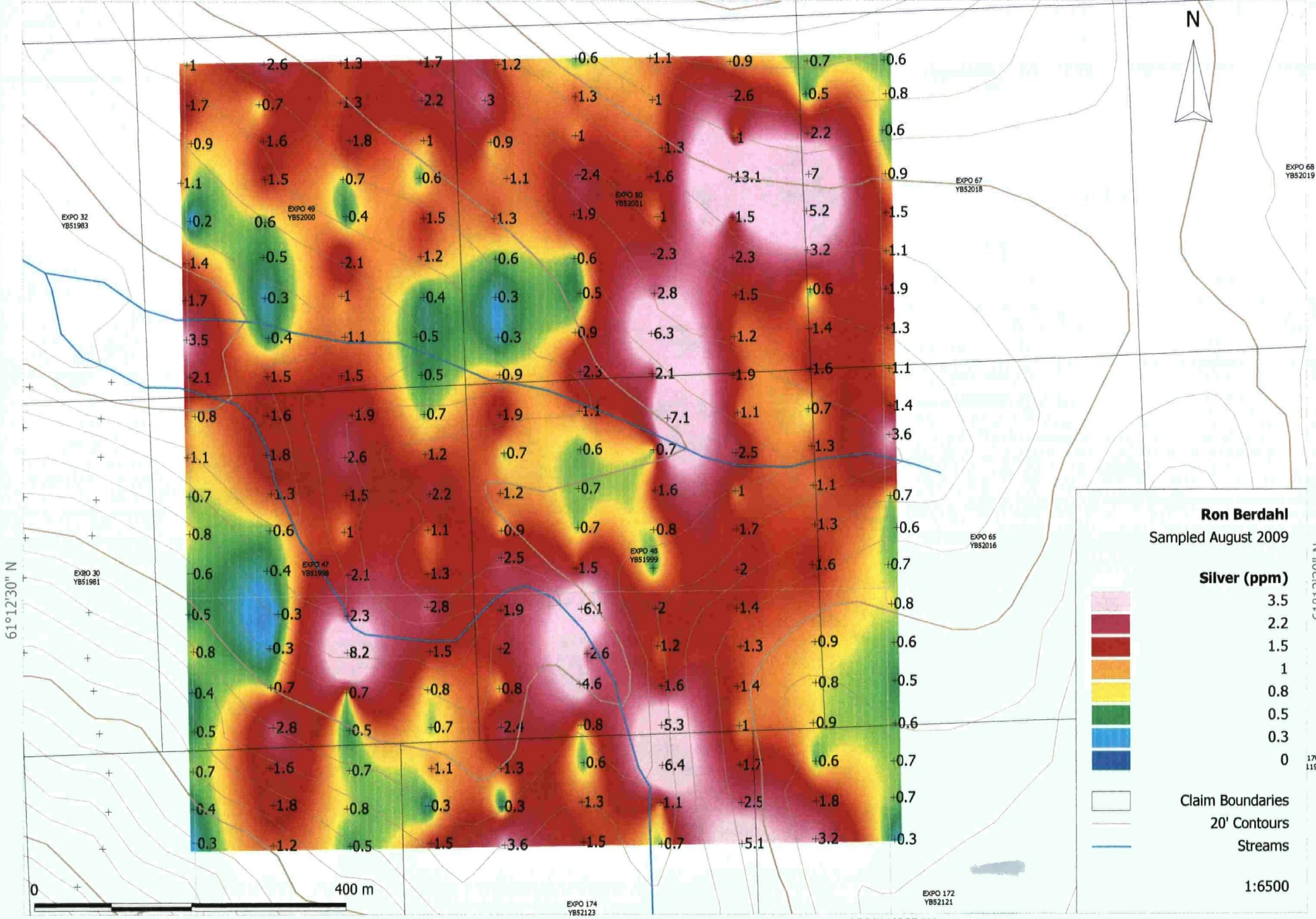
EXPO PROPERTY

Geochemistry - Cu (ppm)

Mapsheets 105 G 01

130°12'00" W

130°11'00" W



Ron Berdahl
Sampled August 2009

Silver (ppm)

3.5
2.2
1.5
1
0.8
0.5
0.3
0

- Claim Boundaries
- 20' Contours
- Streams

1:6500

130°12'00" W

130°11'00" W

EXPO PROPERTY

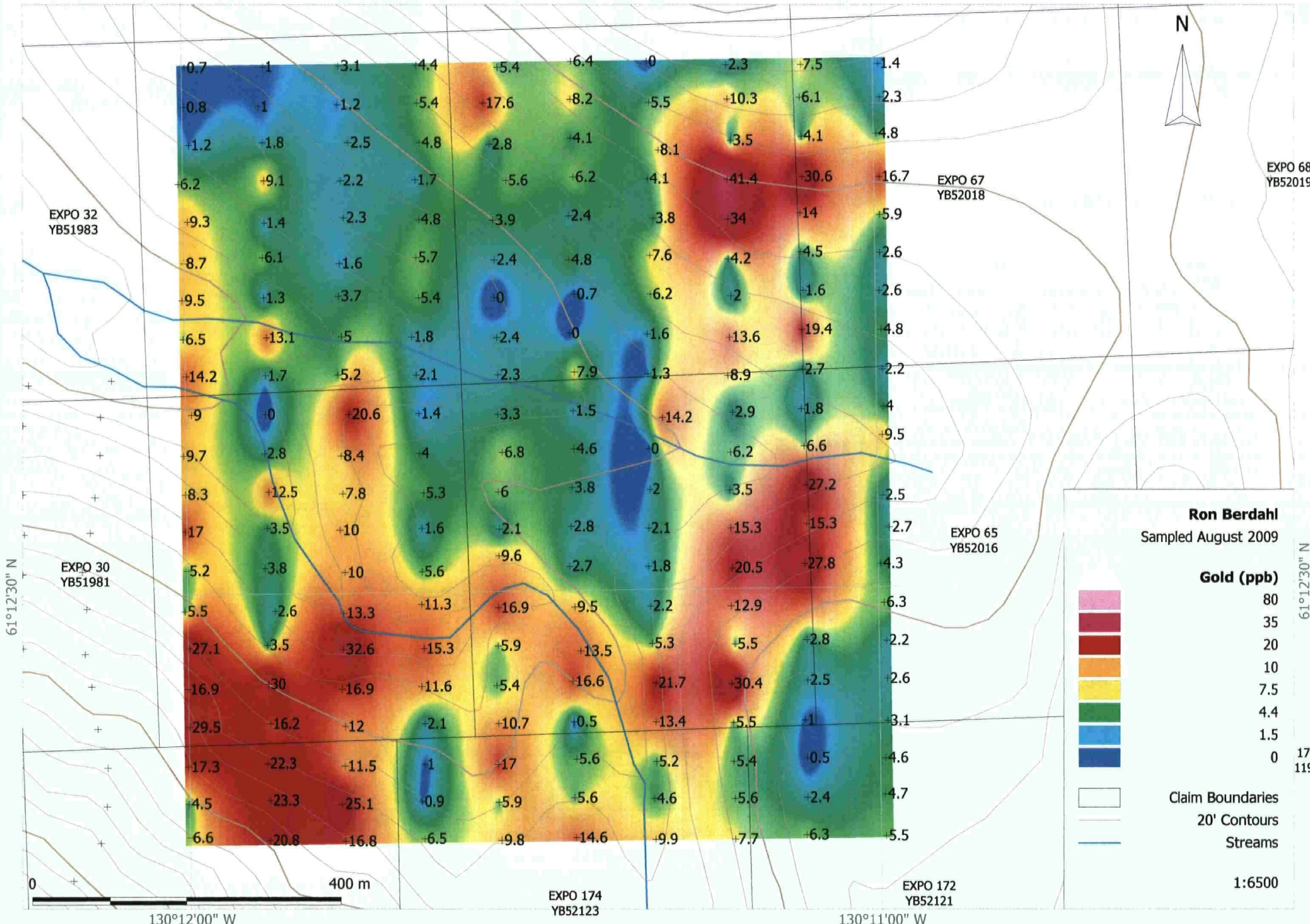
Geochemistry - Ag (ppm)

Mapsheet 105 G 01

130°12'00" W

130°11'00" W

N



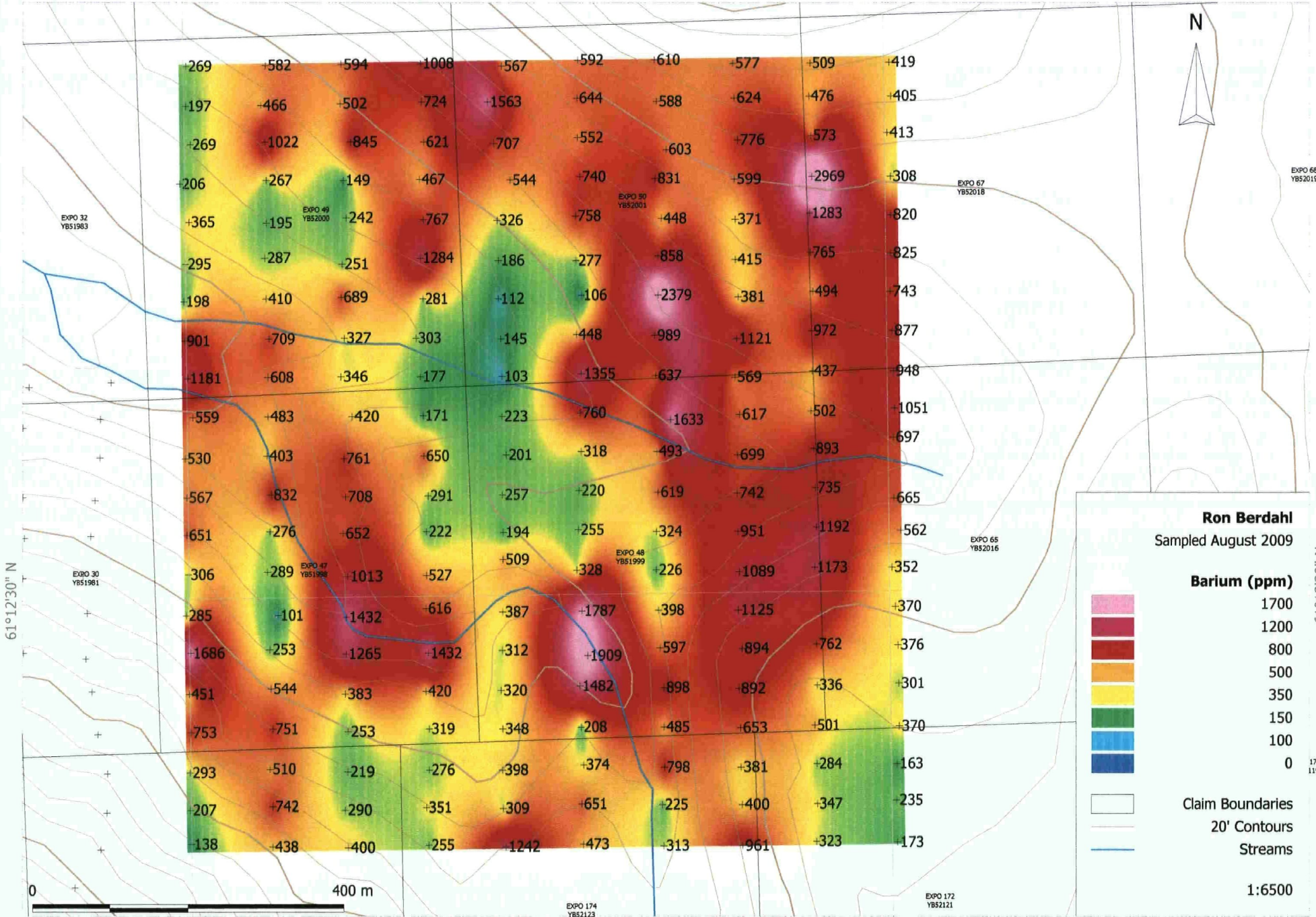
EXPO PROPERTY

Geochemistry - Au (ppb)

Mapsheet 105 G 01

130°12'00" W

130°11'00" W



EXPO 68
YBS2019

EXPO 30
YBS2001

EXPO 67
YBS2018

EXPO 32
YBS1983

EXPO 49
YBS2000

61°12'30" N

61°12'30" N

Ron Berdahl
Sampled August 2009

Barium (ppm)



Claim Boundaries
 20' Contours
 Streams

1:6500



EXPO 174
YBS2123

EXPO 172
YBS2121

130°12'00" W

130°11'00" W

EXPO PROPERTY

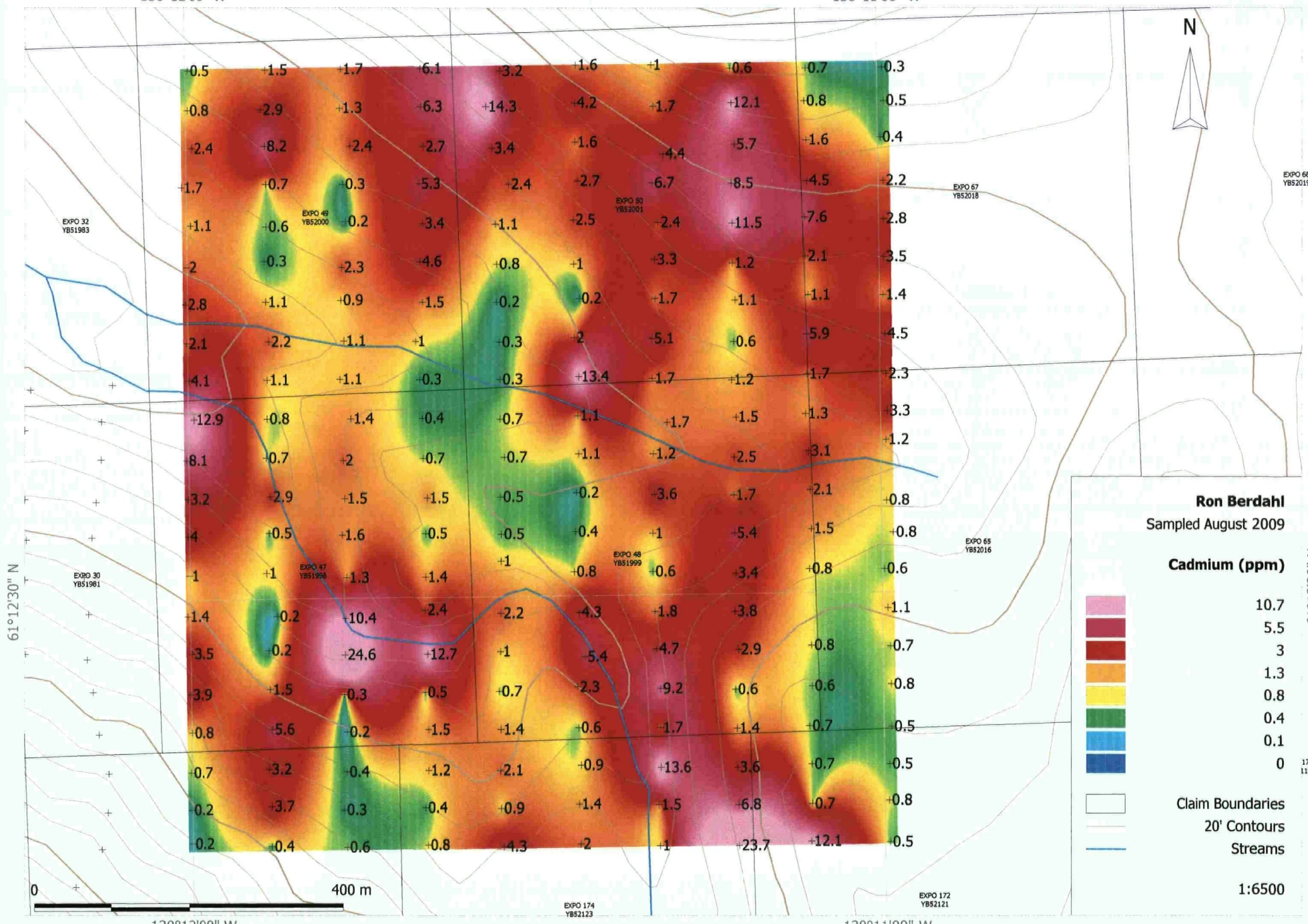
Geochemistry - Ba (ppm)

Mapsheet 105 G 01

130°12'00" W

130°11'00" W

N



EXPO 68
YBS2019

EXPO 32
YBS1983

EXPO 49
YBS2000

EXPO 30
YBS2001

EXPO 67
YBS2018

EXPO 30
YBS1981

EXPO 47
YBS1998

EXPO 48
YBS1999

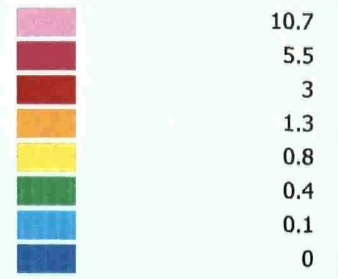
EXPO 65
YBS2016

EXPO 174
YBS2123

EXPO 172
YBS2121

Ron Berdahl
Sampled August 2009

Cadmium (ppm)



Claim Boundaries
 20' Contours
— Streams

1:6500

61°12'30" N

61°12'30" N

170
119



130°12'00" W

130°11'00" W

EXPO PROPERTY

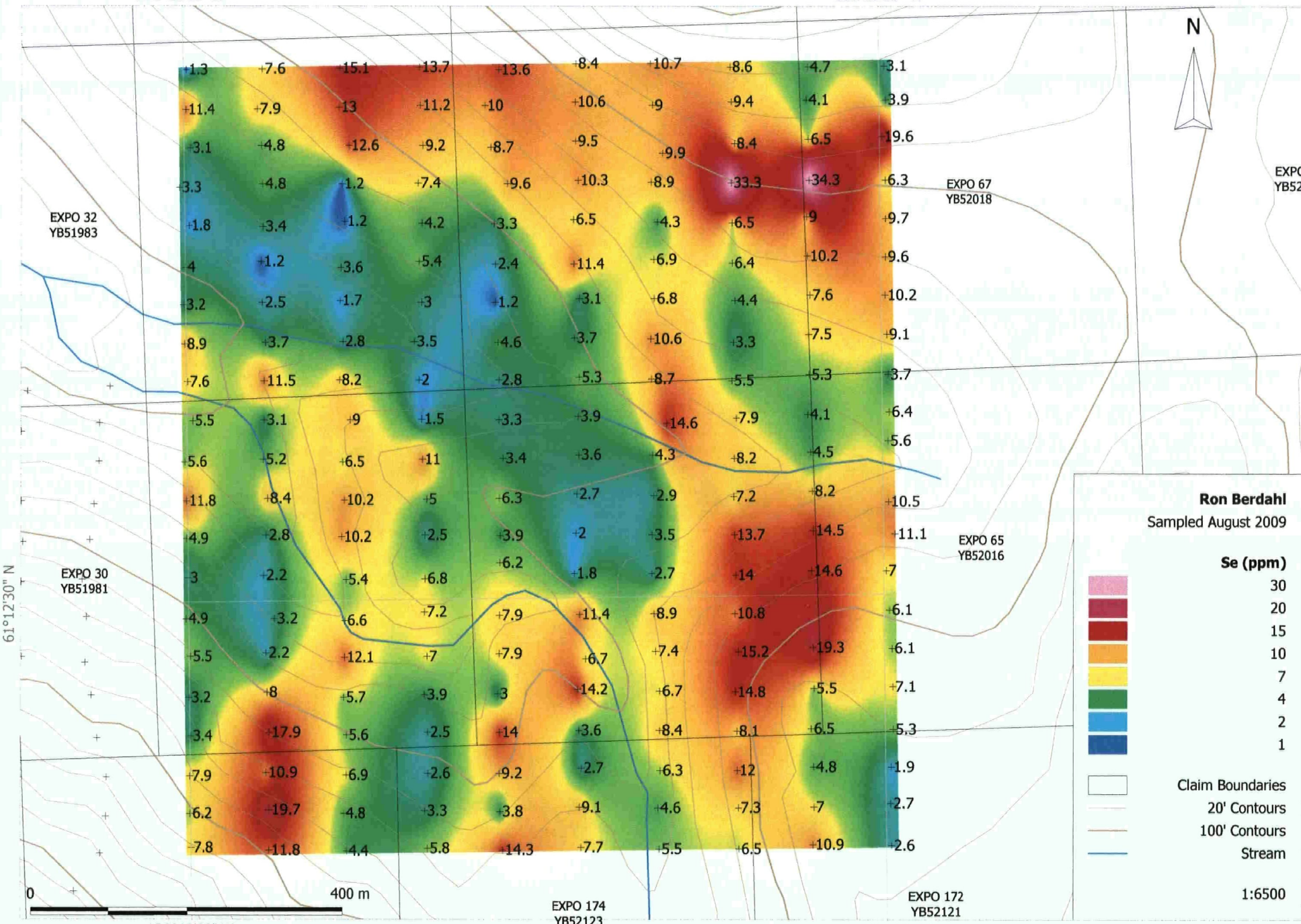
Geochemistry - Cd (ppm)

Mapsheet 105 G 01

130°12'00" W

130°11'00" W

N



EXPO 32
YB51983

EXPO 67
YB52018

EXPO 68
YB52019

EXPO 30
YB51981

EXPO 65
YB52016

EXPO 174
YB52123

EXPO 172
YB52121

61°12'30" N

61°12'30" N

170
119



130°12'00" W

130°11'00" W

EXPO PROPERTY

Geochemistry - Se (ppm)

Mapsheet 105 G 01