Regional Geologist, Kamloops

Date Approved: 2005.08.09 **Off Confidential:** 2005.10.14

ASSESSMENT REPORT: 27611

Mining Division(s): Kamloops

Property Name: Jones-Avery

Location:

NAD 27	**Latitude:**	51 30 38	**Longitude:**	119 45 54	**UTM:**	11	5710010 308128
NAD 83	**Latitude:**	51 30 38	**Longitude:**	119 45 58	**UTM:**	11	5710231 308058
NTS:	082M12W						
BCGS:	082M052						

Camp: 039 Adams Plateau - Clearwater Area

Claim(s): Avery 1-6, Jones 1-3

Operator(s): Naas, C.O.
Author(s): Naas, C.O.

Report Year: 2005

No. of Pages: 42 Pages

Commodities Searched For:

General Work Categories: GEOC

Work Done: Geochemical
ROCK Rock (101 sample(s);)
Elements Analyzed For : Multielement
SOIL Soil (317 sample(s);)
Elements Analyzed For : Multielement

Keywords: Cambrian-Mississippian, Eagle Bay Assemblage, Phyllites, Greenstones, Mudstones, Siltstones, Chalcopyrite

Statement Nos.: 3218382

MINFILE Nos.: 082M 109

Related Reports: 01035, 01612, 06878, 11475

ASSESSMENT REPORT

SOIL AND ROCK SAMPLING
on the
AVERY 1, 2 ,5, 6
(397513, 397514, 397685, 397686)
AND
JONES 1 - 3 CLAIMS
(398459-398461)
Kamloops Mining Division, British Columbia, Canada

NTS 82M/12
Latitude: 51°33'N
Longitude: 119°42'W
Owner: Christopher O. Naas
Operator: Christopher O. Naas

by
Christopher O. Naas, *P.Geo.*

January 12, 2005

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January 12, 2005
(Revised July 14, 2005)

SUMMARY

The area of the AVERY and JONES claims is located in the North Thompson area of British Columbia, south of the village of Vavenby and south and east of the Harper Creek deposit.

The current work program consisted of soil sampling (317 samples) and prospecting (101 rock samples). From the soil sampling program, four sub-parrallel copper anomalies were identified and appear to be sub-parallel to the regional geological trend. They range in length from approximately 300 metres to 1200 metres with and average width of approximately 100-200 meters. Soil sample values range form 164 to 1244 ppm Cu.

Prospecting returned a total of 10 samples of greater than 1000 ppm Cu. One sample returned 4.7% Cu and 47.5 g/t Ag. All anomalous rock samples are located within or close to the copper-in-soil geochemical anomalies.

The area in which the claims lie offers good potential for discovery of base-metal mineralization with associated precious metal content.

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1.0 INTRODUCTION

This report details the results of the work program conducted on the AVERY and JONES claims from September 21 to 30, 2004.

1.1 LOCATION AND ACCESS

The AVERY and JONES claims are located on NTS mapsheets 82M/12 and geographically centred at 51°33'N and 119°42'W.

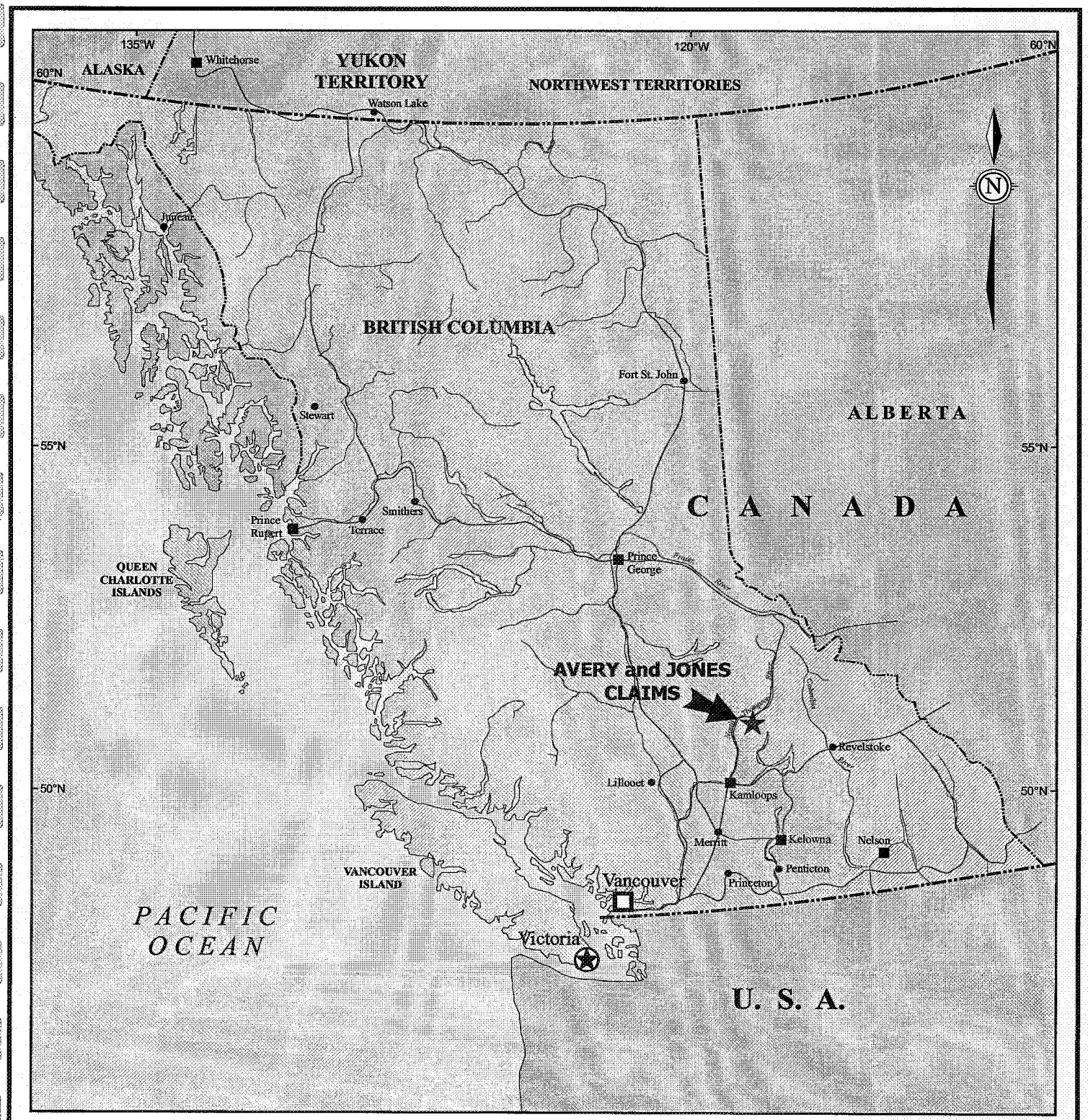
Road access is gained to claims via the Yellowhead Highway (Highway 5) to the village of Vavenby. The claims are located on the south side of the North Thompson River. Forest service roads offer excellent access to the claims. The Canadian National Railway mainline also passes through this area (Figure 1).

Topography is moderate to steep with elevations ranging from 1,300 metres to 1,800 metres. The area is the site of active logging and consists of a thick coniferous forest cover with heavy underbrush to wide open clear cuts. At higher elevations, small marshy alpine meadows occur (Belik, 1973).

1.2 TITLE

The AVERY and JONES claims are 100% owned by Christopher O. Naas and are listed below and shown if Figure 2.

Claim Name	Tenure Number
AVERY 1	397513
AVERY 2	397514
AVERY 5	397685
AVERY 6	397686
JONES 1	398459
JONES 2	398460
JONES 3	398461

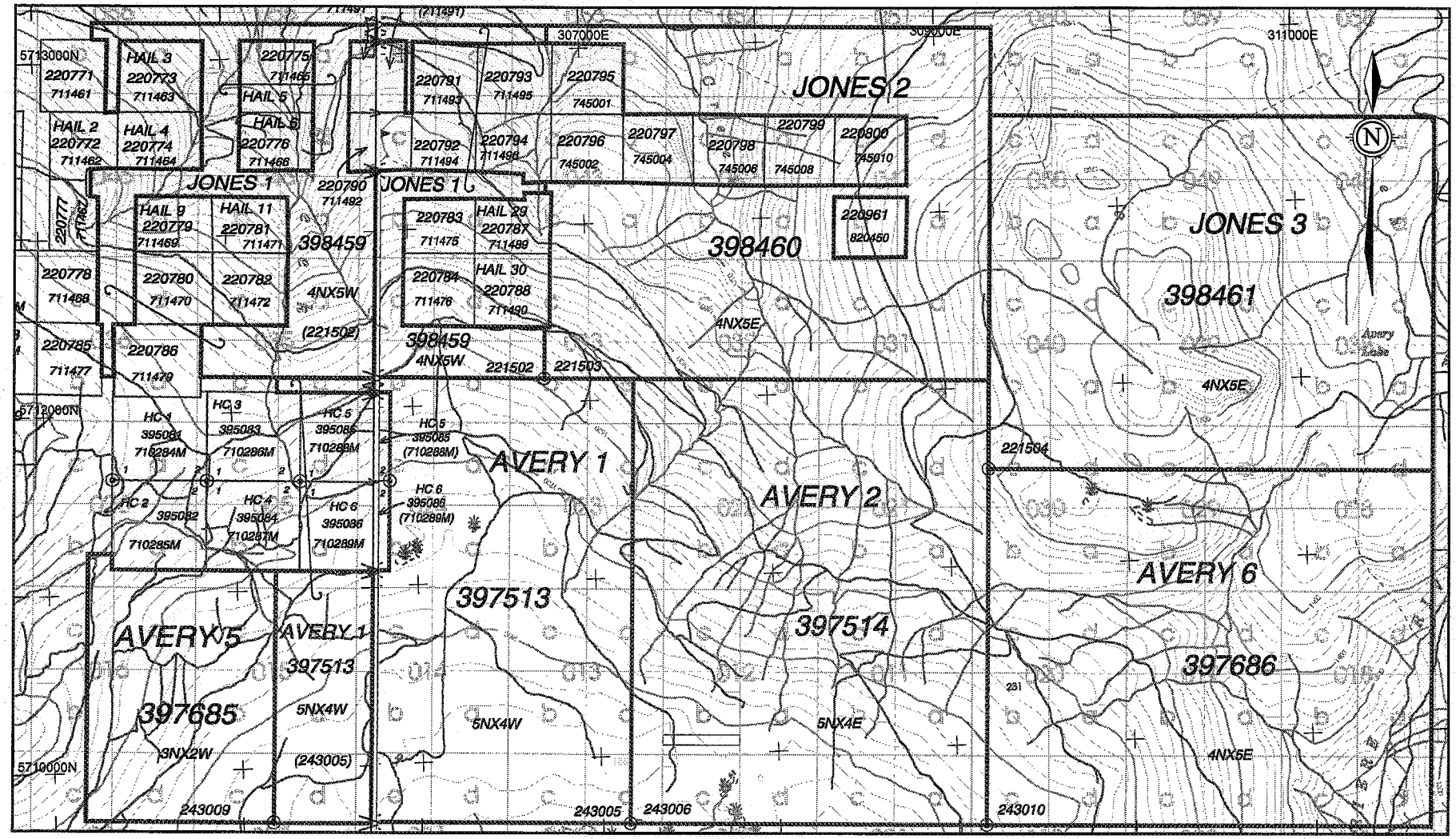


LOCATION MAP
AVERY and JONES Claims

Harper Creek Project
Kamloops M.D., BC, Canada

Project No:	CC99G	By:	CN, TV
Scale:	1:1,000,000	Drawn:	TV
Figure:	1	Date:	January 2005

CME



CLAIM MAP
AVERY and JONES Claims

Harper Creek Project
Kamloops M.D., BC, Canada

Project No:	CC99G	By:	TV
Scale:	~1:40,000	Drawn:	TV
Figure:	2	Date:	January 2005

CME

2.0 REGIONAL GEOLOGY

The Vavenby area is underlain by Paleozoic Eagle Bay Assemblage and Fennell Formation rocks, located within the Kootenay Terrane (Figure 3). The Eagle Bay Assemblage has been intruded by Devonian(?) and Cretaceous granitic rocks, and is overlain by Miocene basalts (Naas and Neale, 1991).

3.0 LOCAL GEOLOGY

3.1 LITHOLOGY

Eagle Bay Assemblage

The Eagle Bay Assemblage comprises four northwest-dipping thrust sheets (Schiarizza and Preto, 1987). Schiarizza (1985) divides the Eagle Bay Assemblage in the Vavenby area into eight units. At the base of the formation is a quartz-dominated succession (Unit 1) of unknown age. This is overlain by a succession of felsic to intermediate metavolcanic rocks (Units 2 and 3), and fine to coarse clastic metasedimentary rocks (Units 4 and 5) of Devonian and Mississippian age. Structurally above these rocks is a mafic metavolcanic-limestone division (Unit 6) of Cambrian age, overlain by intermediate metavolcanics (Unit 7). The carbonate member of Unit 6 is referred to as the Tshinakin limestone. The structurally highest division of the Eagle Bay Formation comprises clastic metasedimentary rocks of Unit 8. These rocks are overturned, however, and Unit 8 may be the oldest unit within the Eagle Bay succession.

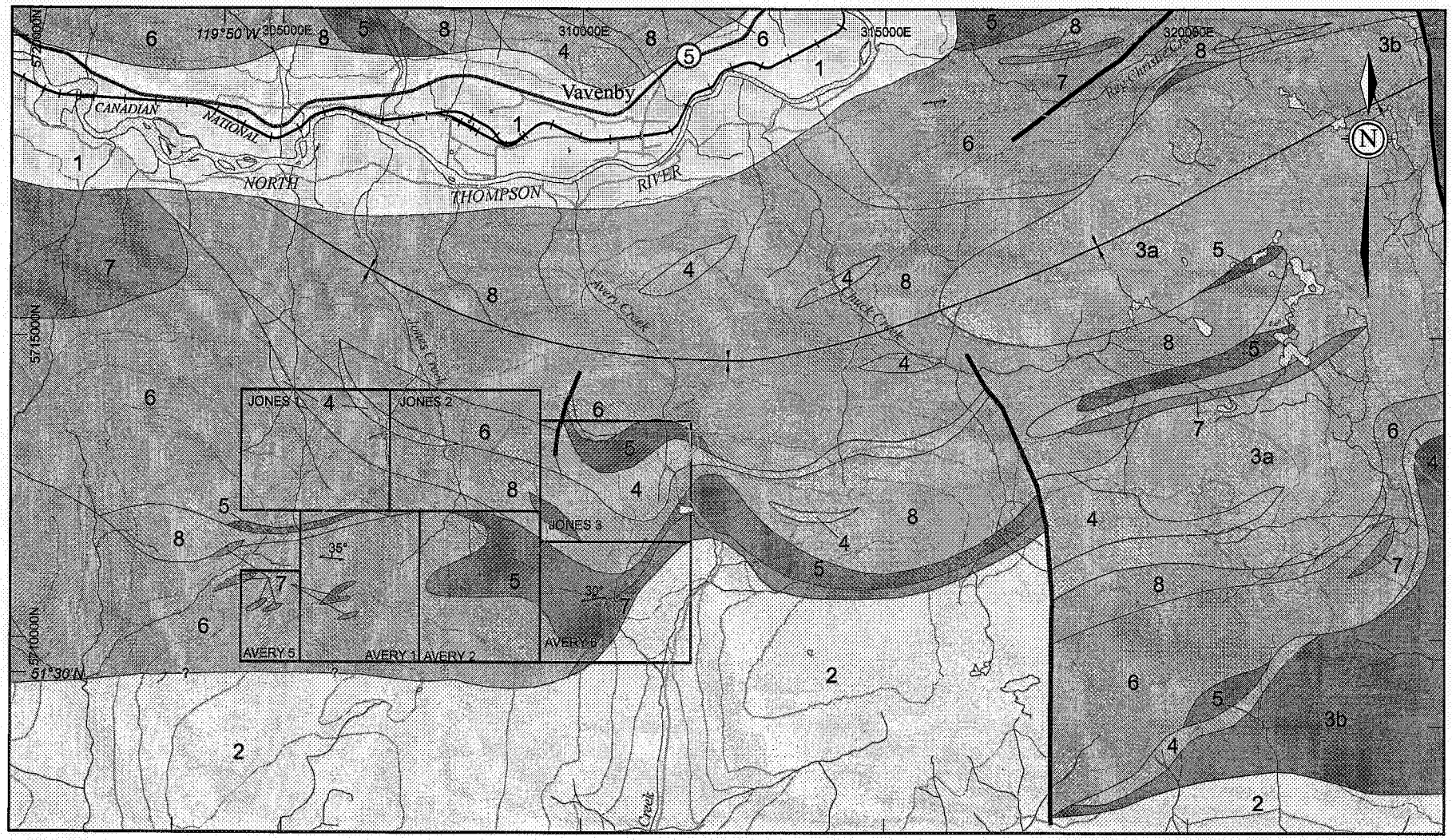
Orthogneiss

The Devonian(?) Orthogneiss consists of quartzo-feldspathic orthogneiss. It is typically a weakly to moderately foliated rock, consisting of lenses and augen of quartzo-feldspathic material enclosed in "seams" of chlorite-sericite schist. Locally it grades to virtually massive granitic rock or conversely to strongly foliated chlorite-sericite schist containing large quartz augen. Biotite is an important component of the gneiss within the thermal aureole of the Baldy batholith.

Fennell Formation

The Upper Permian-Lower Mississippian Fennell Formation in the Adams Plateau-Clearwater area, has been divided into two units by Schiarizza and Preto (1984). The lower unit is a heterogeneous assemblage of bedded chert, gabbro, diabase, and pillow basalt, which also includes units of sandstone and phyllite, Devonian aged quartz-feldspar porphyry rhyolite, and intraformational conglomerate. The upper unit is a succession of pillow and massive basalt with minor amounts of bedded chert, gabbro, basaltic breccia and tuff.

Schiarizza (1985) does not divide the Fennell Formation into two units in the Vavenby area, rather uses one unit containing rocks as previously described by Schiarizza and Preto (1984).



LEGEND

GEOLOGY

1 Alluvium

Baldy Batholith

2 Granodiorite

Eagle Bay Formation

3a/3b Sediments, ± felsic volcanics

4 Limestone

5 Argillite

6 Felsic volcanics

7 Felsic flows

8 Mafic volcanics

SYMBOLS

Syncline axis

Fault

30° Foliation

JONES1 Mineral claim location and name

0 2km

UTM Zone 11 North
NTS 82M/5,12

REGIONAL GEOLOGY MAP
Vavenby Area

Harper Creek Project
Kamloops M.D., BC, Canada

Project No:	CC99G	By:	TV
Scale:	1:100,000	Drawn:	TV
Figure:	3	Date:	January 2005

CME

Granitic Rocks

Cretaceous granite and granodiorite of the Raft and Baldy batholiths intrude Eagle Bay Formation rocks. In contrast to the abrupt northern contact of the Baldy batholith, a broad zone of intermixed metasedimentary and granitic rocks marks the southern margin of the Raft batholith.

Basalt

The flat-lying, undeformed Miocene basalt flows are the easternmost representatives of an extensive mass of Late Miocene to Pliocene plateau lavas which cover much of the area to the west and northwest of Vavenby (Campbell and Tipper, 1971).

3.2 STRUCTURE

Schiarizza (1985) describes the four types of structures that exist in the Vavenby area:

1. an early metamorphic foliation, axial planar to very rare small isoclinal folds, which is locally observed to be discordant to and/or folded about the dominant second generation schistosity.
2. variably oriented, but most commonly north to east-plunging isoclinal folds; the dominant syn-metamorphic schistosity is axial planar. Throughout most of the area this schistosity is parallel to bedding.
3. northwest-trending folds and crenulation with axial planar crenulation cleavage. Axial surfaces generally dip steeply to the northeast or southwest.
4. east-west trending upright folds, kinks, and crenulations of probable Tertiary age. The folds are often most prominently developed adjacent to northerly trending faults.

4.0 WORK HISTORY

Noranda staked the western part of the Harper Creek Deposit in April 1966 as a result of reconnaissance geochemical work. Ground to the east and south was staked for Quebec Cartier Mining Co., a subsidiary of U.S. Steel Corp. in June 1966. Exploration was carried out independently until 1970 at which time a joint venture was formed, with Noranda as the operator.

Exploration work has included soil geochemistry, trenching, geophysics (mag, EM, IP) and diamond drilling between 1967 and 1973. Over 14 kilometres of trenching and 130 diamond drill holes have been completed (Belik, 1973).

In 1972, the claims to the east of the Harper Creek deposit were worked by Cariboo Syndicate, who carried out surface geological mapping, soil sampling and trenching (EMPR, 1973). By

1978 the original claims had lapsed and Cominco restaked the ground and conducted a geochemical survey (750 samples) and geological mapping.

In 1987, Aurun Mines Ltd. entered into an option agreement with Quebec Cartier and conducted some geological mapping and diamond drilling on the Harper Creek deposit. In May 1988, Phillips Barratt Keizer Engineering Ltd. (PBK) produced a pre-feasibility report for Aurun.

A geological resource of 96 Mt grading 0.41% Cu, 0.045 g/t Au and 2.5 g/t Ag was reported for the deposit. Of this, a "mineable ore" resource of 65.34 Mt grading 0.36% Cu, 0.040 g/t Au and 2.2 g/t Ag is reported by PBK (1988).

In 1990, Goldbank Ventures staked the area east of Harper Creek. Prospecting was carried out in 1991 and returned up to 2056 ppm Cu, 441 ppm Pb, 206 ppm Zn and 5.4 ppm Ag from soil samples. (Hayes, 1992). The soil anomaly was designated the M anomaly, which incorporated the results from previous operators.

In 2002, the AVERY and JONES claims were staked by the author. In 2003, a differential GPS survey was performed on the claims.

5.0 CURRENT WORK

The work program focused on determining the existence of a potential eastern strike extension to the Harper Creek deposit. Work commenced on September 21, 2004 with fieldwork ending September 30, 2004. Field work consisted of

- Soil sampling (317 soil samples)
- Prospecting (101 rock samples)

5.1 SOIL SAMPLING

A total of 7.925 km of uncut grid lines was established from which 317 soil samples were collected. A true bearing of 078° was used for the baseline and a bearing of 348° was used for six crosslines. The line spacing within this grid varied from 200 metres to 400 metres. The most easterly soil line was established approximately 750 metres to the east of the grid, alongside a road that ran sub-parallel to the grid.

Samples were collected at 25 metre intervals along all lines. Soil sample stations were surveyed by differentially corrected GPS (GeoExplorer XT) at 100 metre intervals for the grid and 25 metre intervals along the road side. Soil samples were collected from the B horizon, approximately 20-30 centres from surface.

All samples were analyzed by Echo-Tech Laboratories of Kamloops, BC for gold by acqua regia and multi-elements by ICP. Abbreviations and conversion factors are presented in Appendix I. Certificate of analysis are presented in Appendix II.

Results

Statistical analysis of the sample population is presented in Table 1. Pass No. 2 represents a statistical analysis of the sample population of less than mean plus two standard deviations.

Table 1: Statistical Analysis of Soil Samples

Material	No. Samples	Copper (ppm)			
		Minimum	Maximum	Mean	Std. Deviation
Pass No. 1	317	7	1,244	105	145
Pass No. 2	308	7	391	85	79

A total of 31 samples returned greater than mean plus 2 standard deviations based on the second pass statistical analysis.

Four sub-parallel copper anomalies were identified from the results and appear to be sub-parallel to the regional geological trend (Figure 5). They range in length from approximately 300 metres to 1200 metres with and average width of approximately 100-200 meters.

5.2 PROSPECTING

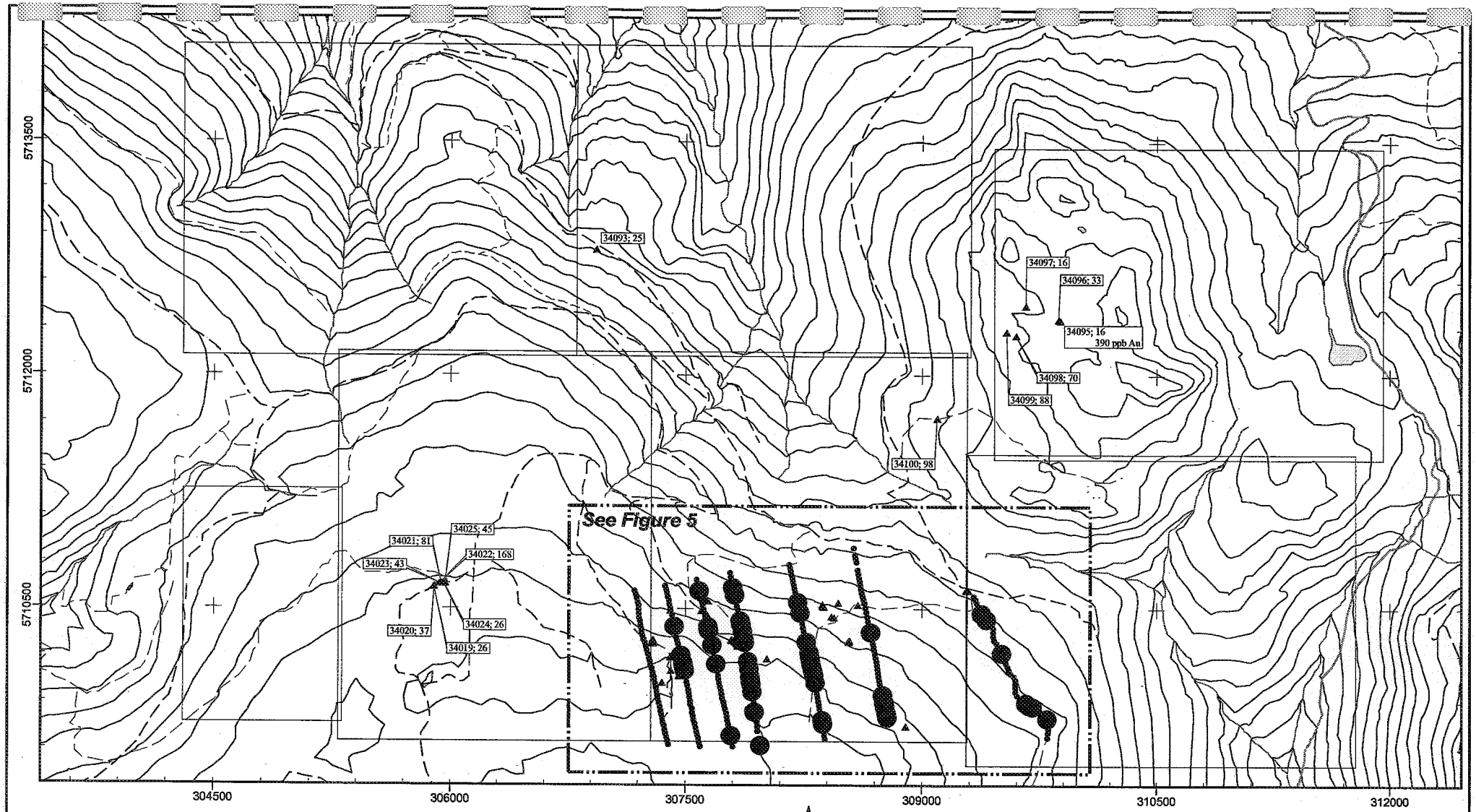
During the course of the soil sampling program, prospecting was undertaken.

A total of 101 rock samples were collected, all float material. A total of 8 samples returned greater than 1000 ppm Cu and are listed in Table 2. All anomalous rock samples are located within or close to the copper-in-soil geochemical anomalies described above.

Rock sample locations and results are shown in Figures 4 and 5. All samples were analyzed by Echo-Tech Laboratories of Kamloops, BC for gold by acqua regia and multi-elements by ICP . One sample (34068) was fire assayed for copper and silver. Abbreviations and conversion factors are presented in Appendix I. Certificate of analysis are presented in Appendix II. Rock sample descriptions are presented in Appendix III.

Table 2: Anomalous Rock Samples

Sample	Location		Results		
	Northing	Easting	Cu (ppm)	Ag (ppm)	Au (ppb)
34029	5710490.04	307406.87	1,067	0.3	10
34046	5710296.18	307795.55	1,119	1.9	5
34049	5710300.42	307792.10	1,264	2.3	10
34068	5710555.21	308265.50	4.71%	47.5 g/t	160
34069	5710555.21	308265.50	4,624	7.5	35
34071	5710276.59	308543.13	2,041	5.7	34
34072	5710276.32	308543.94	2,122	3.8	40
34088	5710539.89	308469.52	1,443	1.0	5



LEGEND

Cu values (ppm)

- • < 164
- ● > 164

Symbols

- ● Soil sample location
- ▲ Rock sample location
- 34069; 212 Sample number; Cu ppm

N

0 500 1,000 m

UTM NAD83 Zone 11

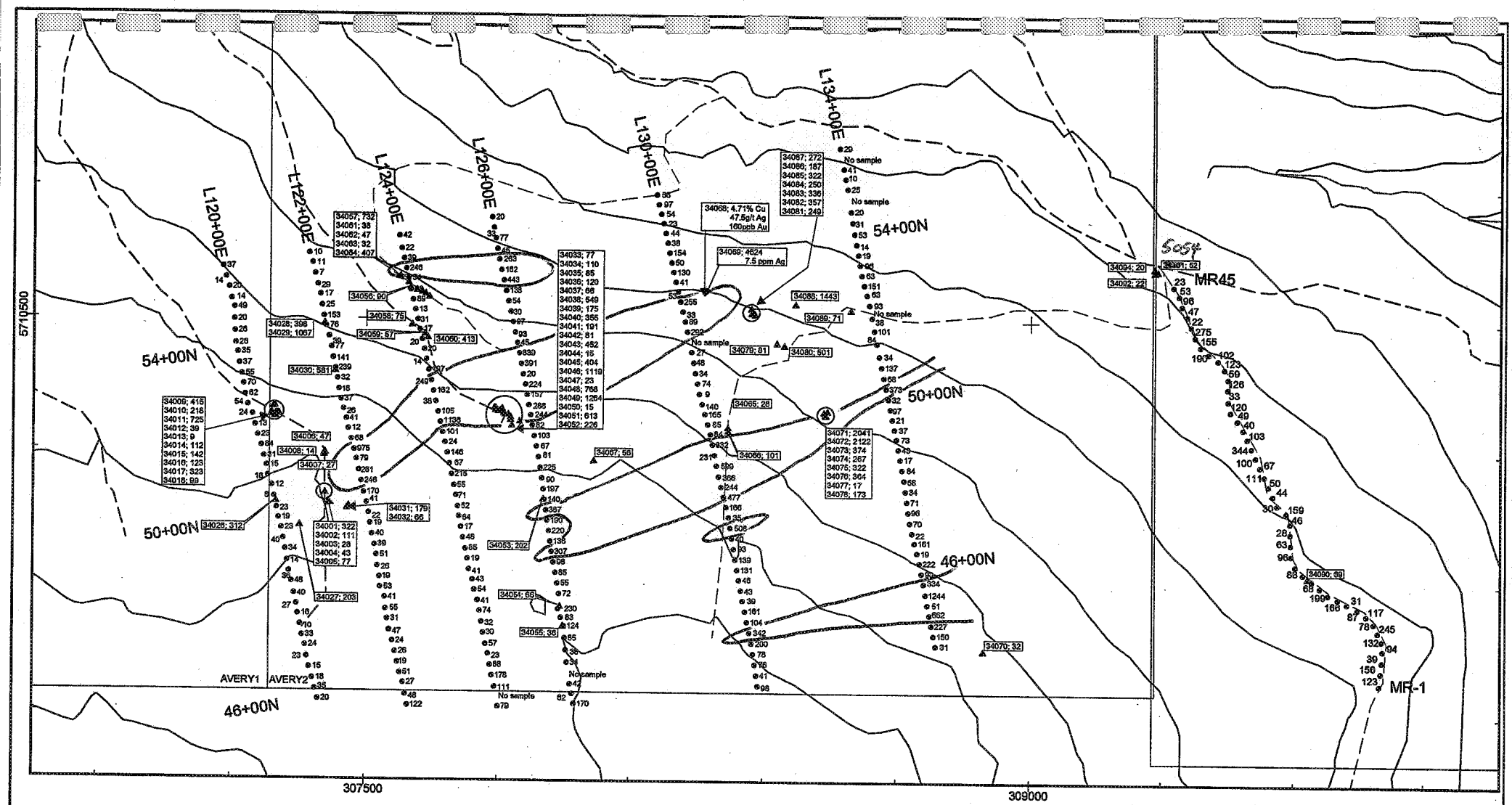
SOIL AND ROCK SAMPLE PLAN MAP

Regional

Harper Creek Project
Kamloops M.D., British Columbia, Canada

Project No:	CC99G	By:	CN/LM
Scale:	1:35,000	Map No:	082M12
Figure No:	4	Date:	January 2005

CME



Symbols

- Soil sample location
- Rock sample location
- 34069; 212 — Sample number; Cu ppm
- Copper geochemical anomaly

0 250 500 m

UTM NAD83 Zone 11

SOIL AND ROCK SAMPLE PLAN MAP

M Anomaly

Harper Creek Project
Kamloops M.D., British Columbia, Canada

Project No:	CC99G	By:	CN/LM
Scale:	1:12,500	Map No:	082M12
Figure No:	5	Date:	January 2005

CME

6.0 CONCLUSIONS

The area of the AVERY and JONES claims is located in the North Thompson area of British Columbia, south of the village of Vavenby and south and east of the Harper Creek deposit. The current work program was successful in outlining four sub-parallel copper-in-soil anomalies that range from 164 to 1244 ppm Cu. Prospecting within these areas returned significant copper results from float rock samples of up to 4.7% Cu and silver results up to 47.5 g/t Ag.

The area in which the claims lie offers good potential for discovery of base-metal mineralization with associated precious metal content.

Respectfully Submitted

Christopher O. Naas, P.Geo.
July 14th, 2005

7.0 REFERENCES

Belik, G.

1973. Geology of the Harper Creek Copper Deposit, unpublished B.Sc. thesis, University of British Columbia, Vancouver, BC, Canada.

Campbell and Tipper,

1971. Geology of the Bonaparte Lake Map-area, British Columbia, Geological Survey of Canada, Memoir 363.

EMPR

1973 Geology, Exploration and Mining in British Columbia, British Columbia Department of Energy, Mines and Petroleum Resources.

1971 Geology, Exploration and Mining in British Columbia, British Columbia Department of Energy, Mines and Petroleum Resources.

Hayes, E.W.

1992. Prospecting Report on 1991/1992 Exploration on the Harper Project, unpublished report for Goldbank Ventures Ltd.

Höy, T.

1997. Harper Creek: a volcanogenic sulphide deposit within Eagle Bay Assemblage, Kootenay Terrane, southern British Columbia; *in* Geological Fieldwork 1996; British Columbia Ministry of Employment and Investment, Paper 1997-1, p. 199-210.

Sanguinetti, M.H.

1996. Diamond Drilling Report on the Hail-Harper Creek Property, unpublished report for American Comstock Exploration Ltd. (Assessment Report 24822)

Schiarizza, P.

1985. Geology of the Eagle Bay Formation between the Raft and Baldy Batholiths (82M5, 11, 12); *in*: Geological Fieldwork 1985; Ministry of Energy Mines and Petroleum Resources Paper 1986-1, p. 89-94.

Schiarizza P., and Preto V.A.

1987. Geology of the Adams Plateau-Clearwater-Vavenby Area, British Columbia Ministry of Energy Mines and Petroleum Resources Paper 1987-2.

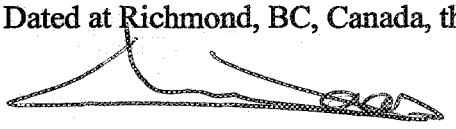
1984. Geology of the Adams Plateau-Clearwater Area, British Columbia Ministry of Energy Mines and Petroleum Resources Prelim. Map 56.

8.0 STATEMENT OF QUALIFICATIONS

I, Christopher O. Naas, *P.Geo.*, do hereby certify that:

1. I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia (Registration Number 20082);
2. I am a graduate in geology of Dalhousie University (*B.Sc.*, 1984); and have practiced in my profession continuously since 1987;
3. Since 1987, I have been involved in mineral exploration for precious and/or base metals in Canada, United States of America, Chile, Venezuela, Ghana, Mali, Nigeria, and Democratic Republic of the Congo (Zaire); for diamonds in Venezuela; and for rare metals in Nigeria. I have also been involved in the determination of base metal and gold resources for properties in Canada and Ghana, respectively, and the valuation of properties in Canada and Equatorial Guinea.
4. I am presently a Consulting Geologist and have been so since November 1987;
5. The opinions and conclusions contained herein are based on a review of previous records and the results of the exploration program conducted by myself;

Dated at Richmond, BC, Canada, this 14^{h} day of July 2005.



Christopher O. Naas

9.0 STATEMENT OF COSTS

Personnel

Chris Naas	10 days @ $412.50	$4,125
Larry Mireku	3 days @ $150.00	$ 450
Ted VanderWart	1 day @ $180.00	$ 180

Equipment Costs

GPS	1 ½ weeks @ $500.00	$ 750

Disbursements

Truck Rental	$ 600
Room & Board	$1,000
Analytical Laboratory	$5,082
Field Supplies	$ 500
Fuel	$ 400

TOTAL: $13, 087

APPENDIX I

ABBREVIATIONS AND CONVERSION FACTORS

ABBREVIATIONS

Elements		Abbreviations	
Ag	Silver	py	Pyrite
As	Arsenic	cpy	Chalcopyrite
Au	Gold	diss	disseminated
Ca	Calcium	g/t	grams per metric tonne
Cu	Copper	ppm	parts per million
K	Potassium	ppb	parts per billion
Pb	Lead	UTM	Universal Transverse Mercator
Sb	Antimony	NAD	North American Datum
Zn	Zinc	°/ ' / "	degree/minute/second of arc

CONVERSION FACTORS

Length			
1 millimetre (mm)	0.03937 inches (in)	1 inch (in)	25.40 millimetre (mm)
1 centimetre (cm)	0.394 inches(in)	1 inch (in)	2.540 centimetres (cm)
1 metre (m)	3.281 feet (ft)	1 foot (ft)	0.3048 metres (m)
1 kilometre (km)	0.6214 mile (mi)	1 mile (mi)	1.609 kilometres (km)
Area			
1 sq. centimeter (cm^2)	0.1550 sq. inches (in^2)	1 sq inch (in^2)	6.452 sq. centimetres (cm^2)
1 sq. metre (m^2)	10.76 feet (ft^2)	1 foot (ft)	0.0929 sq. metres (m^2)
1 hectare (ha) (10,000 m^2)	2.471 acres	1 acre	0.4047 hectare (ha)
1 hectare (ha)	0.003861 sq. miles (m^2)	1 sq. mile (m^2)	640 acres
1 hectare (ha)	0.01 sq. kilometre (km^2)	1 sq. mile (m^2)	259.0 hectare (ha)
1 sq. kilometre (km^2)	0.3861 sq. miles (mi^2)	1 sq. mile (m^2)	2.590 sq. kilometres (km^2)
Volume			
1 cu. centimetre (cc)	0.06102 cu. inches (in^3)	1 cu. inch (in^3)	16.39 cu. centimetres (cm^3)
1 cu. metre (m^3)	1.308 cu. yards (yd^3)	1 cu. yard (yd^3)	0.7646 cu. metres (m^3)
1 cu. metre (m^3)	35.310 cu. feet (ft^3)	1 cu. foot (ft^3)	0.02832 cu. metres (m^3)
1 litre (l)	0.2642 gallons (U.S.)	1 gallon (U.S.)	3.785 litres (l)
1 litre (l)	0.2200 gallons (U.K.)	1 gallon (U.K.)	4.546 litres (l)
Weights			
1 gram (g)	0.03215 troy ounce (20dwt)	1 troy ounce (oz)	31.1034 grams (g)
1 gram (g)	0.6430 pennyweight (dwt)	1 pennyweight (dwt)	1.555 grams (g)
1 gram (g)	0.03527 oz avoirdupois	1 oz avoirdupois	28.35 grams (g)
1 kilogram (g)	2.205 lb avoirdupois	1 lb avoirdupois	0.4535 kilograms (kg)
1 tonne (t) (metric)	1.102 tons (T) (short ton)	1 ton (T) (short ton) (2000 lb)	0.9072 tonnes (t)
1 tonne (t)	0.9842 long ton	1 long ton (2240 lb)	1.016 tonnes (t)
Miscellaneous			
1 cm/second	0.01968 ft/min	1 ft/min	50.81 cm/second
1 cu. m/second	22.82 million gal/day	1 million gal/day	0.04382 m^3/second
1 cu. m/minute	264.2 gal/min	1 gal/min	0.003785 m^3/minute
1 g/cu. m	62.43 lb/ cu. ft	1 lb/cu. ft^3	0.01602 g/m^3
1 g/cu. m	0.02458 oz/cu. yd	1 oz/cu. yd	40.6817 g/m^3
1 Pascal (Pa)	0.000145 psi	1 psi	6985 Pascal
1 gram/tonne (g/t)	0.029216 troy ounce/ short ton (oz/T)	1 troy ounce/short ton (oz/T)	34.2857 grams/tonne (g/t)
1 g/t	0.583 dwt/short ton	1 dwt/short ton	1.714 g/t
1 g/t	0.653 dwt/long ton	1 dwt/long ton	1.531 g/t
1 g/t	0.0001 %		
1 g/t	1 part per million (ppm)		
1 %	10,000 part per million (ppm)		
1 part per million (ppm)	1,000 part per billion (ppb)		
1 part per billion (ppb)	0.001 part per million (ppm)		

APPENDIX II

CERTIFICATES OF ANALYSIS

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2004-1519

CHRIS NAAS
16188 Morgan Creek Crescent
Surrey, BC
V3S 0J2

ATTENTION: Chris Naas

No. of samples received: 101
Sample type: Rock
Project #: None Given
Shipment #: None Given
Samples submitted by: Chris Naas

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	34001	5	0.4	0.38	<5	15	<5	0.09	<1	14	178	322	3.75	<10	0.16	220	2	0.02	32	80	4	<5	<20	2	<0.01	<10	3	<10	<1	17
2	34002	5	0.2	0.66	<5	30	<5	0.02	<1	9	100	111	3.27	<10	0.62	329	3	0.04	24	110	12	<5	<20	<1	<0.01	<10	20	<10	<1	23
3	34003	<5	<0.2	0.10	<5	<5	<5	<0.01	<1	1	175	28	0.77	<10	0.05	64	<1	0.06	7	<10	6	<5	<20	<1	<0.01	<10	<1	<10	<1	8
4	34004	<5	<0.2	1.18	<5	60	<5	0.04	<1	10	81	43	2.83	<10	0.78	118	3	0.02	19	280	10	<5	<20	3	<0.01	<10	12	<10	<1	38
5	34005	5	0.5	1.06	<5	60	<5	0.05	<1	8	44	77	3.16	<10	0.82	319	5	0.03	11	300	26	<5	<20	3	<0.01	<10	22	<10	<1	30
6	34006	<5	<0.2	0.70	<5	35	<5	0.03	<1	11	74	47	2.01	<10	0.44	321	3	0.03	22	180	12	<5	<20	<1	<0.01	<10	11	<10	<1	20
7	34007	<5	<0.2	0.94	<5	30	<5	0.02	<1	7	86	27	2.62	<10	0.55	223	2	0.01	26	310	8	<5	<20	<1	<0.01	<10	10	<10	<1	38
8	34008	<5	<0.2	0.17	<5	10	<5	<0.01	<1	3	168	14	0.73	<10	0.09	216	3	<0.01	9	40	6	<5	<20	<1	<0.01	<10	2	<10	<1	7
9	34009	<5	0.3	0.55	<5	55	<5	1.54	<1	25	40	415	9.90	<10	0.57	434	6	0.02	28	410	46	<5	<20	39	<0.01	<10	6	<10	<1	32
10	34010	<5	2.8	0.08	<5	20	<5	0.01	<1	25	163	218	4.50	<10	<0.01	224	6	0.02	10	130	404	<5	<20	<1	<0.01	<10	2	<10	<1	23
11	34011	<5	0.3	0.37	<5	60	<5	1.53	<1	28	23	725	>10	<10	0.13	511	7	0.02	31	190	12	<5	<20	12	<0.01	<10	14	<10	<1	60
12	34012	<5	<0.2	0.88	<5	40	<5	3.21	<1	18	57	39	4.93	50	0.36	1622	4	0.06	51	950	14	<5	<20	89	<0.01	<10	16	<10	35	151
13	34013	<5	<0.2	0.30	30	40	<5	5.57	<1	9	25	9	3.31	10	0.32	1606	4	0.05	29	450	10	<5	<20	158	<0.01	<10	4	<10	31	49
14	34014	5	<0.2	0.44	<5	60	<5	0.02	<1	4	17	112	7.92	<10	0.10	33	7	0.04	2	190	8	<5	<20	1	<0.01	<10	9	<10	<1	13
15	34015	<5	<0.2	0.68	<5	75	10	0.36	<1	8	40	142	>10	<10	0.25	303	12	0.03	7	2560	10	<5	<20	19	<0.01	<10	16	<10	<1	27
16	34016	<5	<0.2	0.18	<5	15	<5	0.45	<1	9	83	123	2.96	<10	0.16	216	2	0.06	26	80	10	<5	<20	12	<0.01	<10	4	<10	<1	14
17	34017	<5	1.6	0.18	<5	65	<5	3.98	2	17	21	323	9.21	<10	0.67	1946	5	0.02	23	200	774	<5	<20	124	<0.01	<10	6	<10	<1	511
18	34018	<5	<0.2	2.82	<5	45	5	0.06	<1	122	68	99	9.14	<10	1.94	173	6	0.02	12	250	26	<5	<20	<1	<0.01	<10	20	<10	<1	146
19	34019	<5	<0.2	1.62	<5	40	<5	0.04	<1	7	53	26	3.29	<10	0.93	141	3	0.01	11	400	14	<5	<20	1	<0.01	<10	11	<10	<1	91
20	34020	<5	<0.2	0.88	<5	25	<5	0.02	<1	6	67	37	2.45	<10	0.50	154	2	0.01	10	140	64	<5	<20	<1	<0.01	<10	10	<10	<1	188
21	34021	<5	<0.2	0.08	<5	10	<5	0.03	<1	3	210	81	1.53	<10	0.04	118	5	<0.01	11	20	<2	<5	<20	<1	<0.01	<10	1	<10	<1	34
22	34022	5	<0.2	0.26	<5	30	<5	<0.01	<1	10	142	168	4.22	<10	0.07	195	3	<0.01	14	<10	8	<5	<20	<1	<0.01	<10	3	<10	<1	33
23	34023	5	<0.2	0.32	15	25	<5	<0.01	<1	5	111	43	2.02	<10	0.12	59	4	<0.01	9	100	14	<5	<20	<1	<0.01	<10	3	<10	<1	23
24	34024	<5	0.2	0.69	<5	30	<5	0.03	<1	3	127	26	1.85	<10	0.38	129	3	<0.01	7	210	38	<5	<20	<1	<0.01	<10	5	<10	<1	98
25	34025	5	<0.2	0.71	<5	35	<5	0.02	<1	4	129	45	2.53	<10	0.45	283	2	<0.01	10	70	34	<5	<20	<1	<0.01	<10	6	<10	<1	103
26	34026	5	1.0	0.44	<5	65	5	0.13	<1	156	80	312	>10	<10	0.10	193	10	<0.01	432	<10	42	<5	<20	<1	<0.01	<10	5	<10	<1	22
27	34027	<5	0.2	1.11	<5	35	<5	0.01	<1	9	92	203	5.25	<10	0.68	206	4	0.02	6	170	14	<5	<20	<1	<0.01	<10	15	<10	<1	32
28	34028	<5	<0.2	1.14	<5	65	<5	0.06	<1	54	38	398	>10	<10	0.51	252	9	0.02	28	190	10	<5	<20	<1	<0.01	<10	28	<10	<1	72
29	34029	10	0.3	1.10	<5	65	<5	0.04	<1	58	90	1067	>10	<10	0.36	214	11	0.02	34	270	16	<5	<20	<1	<0.01	<10	34	<10	<1	52
30	34030	15	<0.2	1.79	<5	90	<5	0.02	<1	39	40	581	>10	10	0.85	589	12	0.02	21	330	86	<5	<20	1	<0.01	<10	26	<10	<1	246

CHF AAS CER ATE NALY AK 2 519 E ECH RAT LTD

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	34031	5	<0.2	0.28	<5	60	<5	0.03	<1	18	37	179	9.62	<10	0.05	384	58	0.05	27	630	14	<5	<20	3	<0.01	<10	11	<10	<1	42
32	34032	5	0.2	0.24	<5	45	5	0.02	<1	8	47	66	5.46	<10	0.10	317	31	0.06	13	170	16	<5	<20	2	<0.01	<10	12	<10	<1	31
33	34033	<5	<0.2	0.55	<5	55	<5	0.03	<1	6	9	77	1.97	<10	0.29	53	2	0.01	10	320	6	<5	<20	<1	<0.01	<10	5	<10	<1	20
34	34034	<5	0.2	0.63	<5	45	<5	<0.01	<1	6	45	110	3.42	<10	0.38	64	4	0.01	9	290	10	<5	<20	2	<0.01	<10	6	<10	<1	26
35	34035	<5	<0.2	0.47	<5	35	<5	<0.01	<1	6	24	85	2.91	<10	0.20	75	3	0.02	12	210	4	<5	<20	2	<0.01	<10	4	<10	<1	22
36	34036	5	<0.2	0.84	<5	50	<5	0.18	<1	11	78	120	3.23	<10	0.41	200	3	0.03	21	510	8	<5	<20	9	<0.01	<10	6	<10	<1	43
37	34037	15	<0.2	1.12	<5	45	<5	0.10	<1	6	38	66	3.74	<10	0.64	63	6	0.02	6	1020	8	<5	<20	9	<0.01	<10	9	<10	<1	46
38	34038	10	0.4	0.72	<5	75	<5	1.43	<1	21	66	549	4.30	<10	0.61	774	4	0.06	14	180	8	<5	<20	24	<0.01	<10	24	<10	<1	105
39	34039	10	0.9	0.72	<5	35	<5	0.01	<1	5	97	175	5.19	<10	0.38	59	6	0.02	4	130	24	<5	<20	<1	<0.01	<10	13	<10	<1	39
40	34040	5	0.4	1.32	<5	75	<5	0.01	<1	65	66	355	>10	<10	0.60	316	9	0.04	24	180	12	<5	<20	6	<0.01	<10	34	<10	<1	108
41	34041	<5	0.3	0.62	<5	25	<5	0.03	<1	8	93	191	3.84	<10	0.38	152	4	0.01	10	180	6	<5	<20	<1	<0.01	<10	6	<10	<1	38
42	34042	<5	0.2	0.06	<5	15	<5	2.44	<1	5	109	81	2.12	<10	0.71	795	3	0.03	4	260	6	<5	<20	86	<0.01	<10	2	<10	<1	25
43	34043	15	1.3	0.13	<5	25	<5	2.14	<1	15	60	452	3.33	<10	0.57	753	14	0.06	7	120	20	<5	<20	85	<0.01	<10	14	<10	<1	33
44	34044	5	<0.2	0.03	<5	<5	<5	0.04	<1	<1	198	15	0.40	<10	<0.01	114	1	<0.01	7	170	<2	<5	<20	<1	<0.01	<10	<1	<10	<1	4
45	34045	10	1.3	0.16	<5	45	<5	2.09	<1	16	64	404	3.55	<10	0.60	956	20	0.07	12	210	18	<5	<20	81	<0.01	<10	12	<10	<1	57
46	34046	5	1.9	0.19	<5	45	<5	1.40	<1	19	65	1119	3.30	<10	0.47	632	12	0.08	10	190	14	<5	<20	60	<0.01	<10	18	<10	<1	82
47	34047	<5	0.3	0.02	<5	<5	<5	0.02	<1	1	217	23	0.41	<10	<0.01	98	5	<0.01	7	20	4	<5	<20	<1	<0.01	<10	<1	<10	<1	19
48	34048	15	2.1	0.32	<5	30	<5	0.04	<1	26	61	768	3.50	<10	0.08	559	11	0.07	10	190	16	<5	<20	<1	<0.01	<10	10	<10	<1	53
49	34049	10	2.3	0.35	<5	25	<5	1.30	<1	22	50	1264	3.56	<10	0.47	400	5	0.06	8	180	8	<5	<20	28	<0.01	<10	25	<10	<1	62
50	34050	<5	0.2	0.02	<5	<5	<5	0.78	<1	2	184	15	0.75	<10	0.11	339	4	0.01	7	1290	4	<5	<20	45	<0.01	<10	<1	<10	12	14
51	34051	10	1.4	0.39	<5	30	<5	0.99	<1	16	56	613	3.02	<10	0.38	392	6	0.07	6	200	10	<5	<20	26	<0.01	<10	27	<10	<1	53
52	34052	5	0.8	0.20	20	20	<5	1.32	<1	32	72	226	4.04	<10	0.41	410	6	0.08	26	290	20	<5	<20	59	<0.01	<10	13	<10	<1	26
53	34053	5	0.2	1.30	<5	80	<5	0.01	<1	11	45	202	>10	<10	0.38	126	12	0.03	4	380	12	<5	<20	3	<0.01	<10	21	<10	<1	59
54	34054	<5	<0.2	0.30	<5	25	<5	0.03	<1	3	80	66	1.51	<10	0.11	81	3	0.01	8	230	4	<5	<20	<1	<0.01	<10	3	<10	<1	13
55	34055	<5	0.2	0.60	<5	50	<5	0.01	<1	6	15	36	3.81	<10	0.26	51	4	0.01	5	400	32	<5	<20	1	<0.01	<10	8	<10	<1	44
56	34056	5	<0.2	0.61	<5	30	<5	0.02	<1	8	108	90	2.73	<10	0.31	92	4	0.03	12	150	10	<5	<20	<1	<0.01	<10	7	<10	<1	42
57	34057	5	0.3	1.38	<5	90	<5	0.12	<1	274	66	732	>10	<10	0.36	138	12	0.01	52	90	30	<5	<20	2	<0.01	<10	23	<10	<1	58
58	34058	<5	<0.2	0.25	<5	30	<5	<0.01	<1	15	91	75	4.68	<10	0.05	56	5	0.03	11	80	8	<5	<20	<1	<0.01	<10	5	<10	<1	27
59	34059	5	0.2	1.20	<5	40	<5	0.07	<1	15	108	57	3.81	<10	0.71	549	4	0.02	35	400	24	<5	<20	2	<0.01	<10	11	<10	<1	76
60	34060	5	0.2	1.62	<5	40	<5	0.09	<1	44	78	413	5.23	40	1.20	188	3	0.03	34	470	102	<5	<20	2	<0.01	<10	25	<10	<1	152
61	34061	<5	0.3	0.33	<5	40	<5	0.07	<1	15	10	38	1.39	<10	0.09	43	35	0.02	11	410	134	<5	<20	3	<0.01	<10	3	<10	<1	8
62	34062	<5	0.4	1.19	<5	35	<5	0.06	<1	11	133	47	3.88	<10	0.68	196	6	0.02	28	640	94	<5	<20	2	<0.01	<10	11	<10	<1	71
63	34063	<5	<0.2	0.04	<5	15	<5	0.01	<1	6	159	32	1.90	<10	0.02	1483	1	<0.01	13	10	2	<5	<20	<1	<0.01	<10	<1	<10	<1	17
64	34064	5	0.2	0.63	<5	55	<5	1.54	<1	12	35	407	7.23	60	0.65	697	6	0.03	5	500	16	<5	<20	39	<0.01	<10	10	<10	<1	45
65	34065	<5	0.2	0.11	45	20	<5	<0.01	<1	<1	124	28	0.79	<10	0.01	36	1	<0.01	4	40	20	<5	<20	<1	<0.01	<10	2	<10	<1	10
66	34066	<5	0.3	1.11	<5	20	<5	0.03	<1	5	51	101	2.48	<10	0.65	166	4	0.03	5	210	14	<5	<20	<1	<0.01	<10	14	<10	<1	62
67	34067	5	<0.2	1.14	<5	40	<5	0.08	<1	7	48	56	3.49	<10	0.54	380	3	0.02	7	580	16	<5	<20	2	<0.01	<10	11	<10	<1	96
68	34068	160	>30	0.37	<5	70	<5	0.03	16	163	98	>10000	>10	<10	0.14	1917	12	0.01	30	>10000	178	<5	<20	<1	<0.01	<10	5	<10	<1	973
69	34069	35	7.5	1.71	<5	35	<5	0.06	<1	38	67	4624	5.73	<10	1.02	431	6	0.03	9	40	36	<5	<20	<1	<0.01	<10	35	<10	<1	170
70	34070	5	0.3	1.15	<5	25	<5	0.67	<1	9	73	32	2.15	10	0.70	346	77	0.04	5	260	10	<5	<20	11	<0.01	<10	25	<10	11	34

CHF[illegible]AS [illegible] CER[illegible]ATE [illegible]IALY[illegible]AK 2[illegible]519 [illegible] E[illegible]ECH [illegible]RAT[illegible]LTD.

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
71	34071	34	5.7	0.26	<5	55	<5	0.02	<1	9	68	2041	7.14	<10	0.03	143	17	0.03	12	40	<2	<5	<20	3	<0.01	<10	15	<10	<1	36
72	34072	40	3.8	1.33	<5	40	<5	0.04	<1	9	89	2122	4.08	<10	0.74	204	5	0.01	13	170	8	<5	<20	<1	<0.01	<10	15	<10	<1	74
73	34073	10	0.8	0.16	<5	40	<5	<0.01	<1	6	72	374	2.53	<10	<0.01	57	4	0.01	8	50	<2	<5	<20	<1	<0.01	<10	<1	<10	<1	6
74	34074	15	0.3	0.24	<5	20	<5	9.64	<1	10	53	267	5.62	<10	4.18	3680	2	0.02	18	540	12	<5	<20	532	<0.01	<10	9	<10	<1	66
75	34075	5	0.4	0.04	<5	<5	<5	0.02	<1	1	177	322	0.48	<10	<0.01	155	4	0.04	6	<10	<2	<5	<20	<1	<0.01	<10	<1	<10	<1	5
76	34076	<5	0.5	0.17	<5	<5	<5	0.05	<1	5	95	364	0.93	<10	0.13	57	1	0.03	19	100	<2	<5	<20	3	<0.01	<10	13	<10	<1	10
77	34077	<5	<0.2	0.01	<5	<5	<5	<0.01	<1	2	205	17	0.35	<10	<0.01	67	5	<0.01	9	<10	<2	<5	<20	<1	<0.01	<10	<1	<10	<1	2
78	34078	10	0.3	1.42	<5	30	<5	0.04	<1	10	140	173	3.73	<10	1.08	279	3	0.01	13	270	12	<5	<20	<1	<0.01	<10	11	<10	<1	49
79	34079	5	0.2	0.49	<5	35	<5	<0.01	<1	6	106	81	3.48	<10	0.21	105	7	0.01	12	220	10	<5	<20	<1	<0.01	<10	8	<10	<1	28
80	34080	<5	0.7	1.74	<5	50	<5	<0.01	<1	14	73	501	7.38	<10	0.87	185	8	0.02	15	260	14	<5	<20	1	<0.01	<10	16	<10	<1	90
81	34081	<5	0.4	0.94	<5	55	<5	0.41	<1	23	48	249	5.36	<10	0.96	300	5	0.02	46	570	8	<5	<20	35	<0.01	<10	14	<10	<1	41
82	34082	5	0.9	0.16	<5	35	100	0.81	<1	26	101	357	7.10	<10	0.18	484	226	0.03	55	1520	38	<5	<20	56	<0.01	<10	12	<10	3	28
83	34083	<5	0.5	0.14	<5	20	<5	0.15	<1	9	89	336	3.33	<10	0.02	308	134	0.06	14	590	6	<5	<20	10	<0.01	<10	4	<10	<1	16
84	34084	<5	0.5	0.11	<5	15	<5	0.91	<1	17	145	250	4.37	<10	0.41	929	22	0.02	37	340	4	<5	<20	38	<0.01	<10	2	<10	<1	15
85	34085	5	0.9	0.20	<5	40	10	0.06	<1	10	50	322	4.47	<10	0.05	91	121	0.03	19	370	14	<5	<20	4	<0.01	<10	9	<10	<1	10
86	34086	5	0.4	0.30	<5	20	<5	0.49	<1	7	59	187	3.19	<10	0.32	283	111	0.04	30	170	8	<5	<20	32	<0.01	<10	15	<10	<1	17
87	34087	5	0.5	0.14	<5	35	5	5.67	<1	35	80	272	9.42	<10	2.28	3145	146	0.03	95	1360	20	<5	<20	473	<0.01	<10	10	<10	<1	51
88	34088	5	1.0	1.97	<5	65	<5	0.40	<1	67	52	1443	>10	<10	1.01	485	13	0.03	63	820	24	<5	<20	12	<0.01	<10	24	<10	<1	316
89	34089	<5	1.7	0.21	<5	30	<5	<0.01	<1	3	87	71	2.56	<10	0.03	77	4	0.01	5	140	334	<5	<20	<1	<0.01	<10	2	<10	<1	405
90	34090	<5	0.3	0.38	<5	15	<5	0.27	<1	12	156	69	2.59	<10	0.29	479	3	0.03	20	200	12	<5	<20	5	<0.01	<10	6	<10	<1	18
91	34091	<5	0.8	0.69	<5	35	<5	0.02	<1	4	108	42	3.42	<10	0.41	93	5	<0.01	6	350	10	<5	<20	<1	<0.01	<10	8	<10	<1	27
92	34092	<5	0.2	0.35	<5	30	<5	0.04	<1	5	81	22	2.78	<10	0.18	121	3	0.01	10	370	8	<5	<20	3	<0.01	<10	5	<10	<1	27
93	34093	<5	0.2	0.87	<5	30	<5	0.06	<1	7	84	25	3.16	<10	0.67	239	4	0.01	11	360	12	<5	<20	<1	<0.01	<10	13	<10	<1	35
94	34094	<5	<0.2	0.49	<5	25	<5	0.03	<1	10	91	20	2.30	<10	0.26	232	1	0.01	19	280	10	<5	<20	<1	<0.01	<10	5	<10	<1	39
95	34095	390	0.2	0.01	<5	50	10	<0.01	<1	5	140	16	6.89	<10	<0.01	154	9	<0.01	8	<10	<2	<5	<20	<1	<0.01	<10	4	<10	<1	110
96	34096	15	<0.2	0.10	65	85	5	>10	<1	47	33	33	7.21	<10	2.80	1545	3	0.01	155	390	<2	<5	<20	285	<0.01	<10	16	<10	<1	38
97	34097	5	0.2	0.03	<5	15	5	0.12	<1	6	150	16	3.90	<10	0.02	192	6	<0.01	16	40	2	<5	<20	<1	<0.01	<10	8	<10	<1	50
98	34098	<5	0.2	0.73	25	70	10	>10	<1	31	128	70	6.66	<10	3.28	1618	2	0.04	133	670	4	<5	<20	113	<0.01	<10	48	<10	<1	49
99	34099	<5	0.2	0.90	45	75	<5	7.92	<1	41	133	88	4.96	<10	2.89	1063	1	0.03	233	1120	4	<5	<20	102	<0.01	<10	49	<10	<1	46
100	34100	5	<0.2	1.48	10	45	5	6.72	<1	47	277	98	7.03	<10	3.18	1822	3	0.03	196	1130	8	<5	<20	318	<0.01	<10	98	<10	<1	75
101	5054	55	5.7	0.10	15	15	10	0.02	<1	5	143	52	2.41	<10	0.02	68	6	<0.01	13	80	592	<5	<20	<1	<0.01	<10	2	<10	<1	344
QC DATA:																														
Resplit:																														
1	34001	5	0.4	0.43	<5	15	<5	0.07	<1	16	175	323	3.72	<10	0.17	214	6	0.02	34	90	6	<5	<20	<1	<0.01	<10	4	<10	<1	18
36	34036	5	0.2	0.78	<5	40	<5	0.17	<1	10	76	120	3.21	<10	0.39	191	4	0.02	20	550	8	<5	<20	6	<0.01	<10	6	<10	<1	42
71	34071	35	6.0	0.31	<5	60	<5	0.03	<1	9	76	2134	6.82	<10	0.04	143	16	0.04	12	40	6	<5	<20	1	<0.01	<10	16	<10	<1	36
Repeat:																														
1	34001	<5	0.3	0.37	<5	15	<5	0.09	<1	13	178	310	3.79	<10	0.16	220	3	0.02	31	80	4	<5	<20	<1	<0.01	<10	3	<10	<1	17
10	34010	5	2.8	0.08	<5	25	<5	0.01	<1	26	171	219	4.57	<10	<0.01	225	6	0.02	11	140	414	<5	<20	<1	<0.01	<10	2	<10	<1	24
19	34019	<5	<0.2	1.66	<5	45	<5	0.04	<1	7	53	25	3.33	<10	0.95	143	3	0.01	10	410	14	<5	<20	2	<0.01	<10	12	<10	<1	90
36	34036	5	0.2	0.84	<5	45	<5	0.18	<1	11	79	120	3.25	<10	0.41	200	3	0.03	21	510	10	<5	<20	7	<0.01	<10	6	<10	<1	43
45	34045	5	1.3	0.16	<5	45	<5	2.10	<1	16	63	404	3.59	<10	0.60	963	21	0.07	13	220	20	<5	<20	81	<0.01	<10	11	<10	<1	57

CHF AAS CERTIFICATE ANALYSIS AK 2519 ECO TECH LABORATORY LTD.

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
54	34054	<5	0.2	0.31	<5	25	<5	0.03	<1	3	82	66	1.53	<10	0.11	82	3	0.01	9	230	4	<5	<20	<1	<0.01	<10	4	<10	<1	13
71	34071	40	5.7	0.25	<5	50	<5	0.02	<1	10	69	2019	7.01	<10	0.03	140	17	0.03	12	60	4	<5	<20	1	<0.01	<10	15	<10	<1	36
80	34080	<5	0.7	1.78	<5	50	<5	<0.01	<1	14	75	495	7.53	<10	0.89	190	8	0.02	15	280	14	<5	<20	2	<0.01	<10	16	<10	<1	94
89	34089	<5	1.7	0.22	<5	30	<5	<0.01	<1	3	89	71	2.57	<10	0.03	77	4	0.01	6	150	334	<5	<20	<1	<0.01	<10	2	<10	<1	405
Standard:																														
GEO '04		135	1.4	1.25	45	140	<5	1.25	<1	15	59	86	2.80	<10	0.73	551	<1	0.02	22	630	22	<5	<20	48	0.05	<10	59	<10	12	74
GEO '04		135	1.5	1.26	50	140	<5	1.29	<1	15	59	85	2.85	<10	0.75	564	1	0.02	22	630	22	<5	<20	49	0.05	<10	60	<10	12	75
GEO '04		135	1.5	1.31	50	140	<5	1.33	<1	16	61	86	2.97	<10	0.76	579	<1	0.02	25	650	24	<5	<20	50	0.04	<10	60	<10	12	76

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/jm
df/1519
XLS/04

Eco Tech Laboratory Ltd.

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ENVIRONMENTAL TESTING

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CERTIFICATE OF ASSAY AK 2004-1519

CHRIS NAAS
16188 Morgan Creek Crescent
Surrey, BC
V3S 0J2

19-Oct-04

ATTENTION: Chris Naas

No. of samples received: 101
Sample type: Rock
Project #: None Given
Shipment #: None Given
Samples Submitted by: Chris Naas

ET #.	Tag #	Ag (g/t)	Ag (oz/t)	Cu (%)
68	34068	47.5	1.39	4.71
QC DATA:				
Repeat:				
68	34068			4.71
Standard:				
Pb106		59.1	1.72	0.62
Cu106		136	3.97	1.43

JJ/sc
XLS/04

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2004-1522

CHRIS NAAS
16188 Morgan Creek Crescent
Surrey, BC
V3S 0J2

ATTENTION: Chris Naas

No. of samples received: 284
Sample type: Soil
Project #: None Given
Shipment #: None Given
Samples submitted by: Chris Naas

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	L120E 45+75N	1.0	1.10	<5	50	<5	0.10	<1	7	9	20	1.26	<10	0.20	270	1	0.01	12	460	28	<5	<20	5	0.02	<10	12	<10	3	43
2	L120E 46+00N	0.6	1.76	<5	70	5	0.08	<1	13	16	35	4.26	<10	0.34	549	3	<0.01	24	530	32	<5	<20	3	0.02	<10	27	<10	<1	84
3	L120E 46+25N	0.5	1.32	<5	25	<5	0.05	<1	4	7	18	1.22	<10	0.10	52	1	0.02	7	290	38	<5	<20	1	0.04	<10	1	<10	12	22
4	L120E 46+50N	0.4	1.23	<5	55	<5	0.10	<1	5	9	15	2.46	<10	0.11	279	2	0.01	7	390	22	<5	<20	3	0.02	<10	19	<10	<1	29
5	L120E 46+75N	0.3	2.00	<5	45	<5	0.05	<1	9	12	23	2.92	<10	0.17	430	3	0.01	10	500	38	<5	<20	<1	0.02	<10	15	<10	<1	37
6	L120E 47+00N	0.3	1.25	<5	45	5	0.04	<1	7	13	24	3.54	<10	0.26	237	3	<0.01	14	430	26	<5	<20	<1	0.01	<10	19	<10	<1	47
7	L120E 47+25N	0.3	1.75	<5	55	<5	0.05	<1	19	18	33	3.92	<10	0.27	1670	3	<0.01	19	610	40	<5	<20	<1	<0.01	<10	22	<10	<1	76
8	L120E 47+50N	0.4	0.68	<5	30	<5	0.02	<1	4	8	10	1.80	<10	0.10	178	2	0.01	10	270	14	<5	<20	<1	0.02	<10	23	<10	<1	24
9	L120E 47+75N	0.2	0.86	<5	40	5	0.02	<1	5	12	16	2.96	<10	0.18	310	2	<0.01	8	420	22	<5	<20	<1	<0.01	<10	22	<10	<1	32
10	L120E 48+00N	1.5	1.31	<5	45	<5	0.06	<1	10	16	27	3.59	<10	0.29	406	3	<0.01	17	710	28	<5	<20	<1	0.01	<10	22	<10	<1	57
11	L120E 48+25N	0.7	1.57	<5	60	<5	0.07	<1	12	18	40	3.37	<10	0.39	578	3	0.01	29	870	32	<5	<20	2	<0.01	<10	23	<10	<1	84
12	L120E 48+50N	0.3	1.10	<5	45	<5	0.09	<1	15	16	48	3.44	<10	0.46	396	3	<0.01	33	490	26	<5	<20	3	<0.01	<10	13	<10	<1	71
13	L120E 48+75N	1.2	1.62	<5	60	<5	0.17	<1	10	12	36	2.54	<10	0.21	593	2	0.02	23	980	34	<5	<20	8	0.01	<10	22	<10	14	52
14	L120E 49+00N	0.7	0.98	<5	45	<5	0.15	<1	7	9	14	2.34	<10	0.13	239	2	0.01	9	400	24	<5	<20	5	0.03	<10	24	<10	3	31
15	L120E 49+25N	0.4	1.16	<5	60	<5	0.06	<1	9	13	34	3.20	10	0.23	152	3	<0.01	21	380	32	<5	<20	3	<0.01	<10	19	<10	<1	54
16	L120E 49+50N	0.4	1.43	<5	80	<5	0.09	<1	9	13	40	4.06	<10	0.17	218	4	0.01	22	380	46	<5	<20	5	0.02	<10	25	<10	<1	59
17	L120E 49+75N	0.3	0.97	<5	50	5	0.03	<1	7	13	23	3.59	<10	0.23	193	3	<0.01	15	370	22	<5	<20	<1	0.01	<10	24	<10	<1	43
18	L120E 50+00N	0.4	0.91	<5	35	5	0.02	<1	8	10	19	3.33	<10	0.15	519	4	<0.01	10	420	24	<5	<20	<1	0.04	<10	34	<10	<1	39
19	L120E 50+25N	0.2	1.58	<5	50	5	0.02	<1	8	18	23	4.64	<10	0.21	222	4	<0.01	12	440	36	<5	<20	<1	0.01	<10	22	<10	<1	49
20	L120E 50+50N	0.2	2.36	<5	25	<5	0.02	<1	3	7	8	1.71	<10	0.03	268	2	0.01	3	410	30	<5	<20	<1	0.04	<10	7	<10	<1	12
21	L120E 50+75N	0.2	0.97	<5	30	<5	0.02	<1	5	9	12	2.42	10	0.12	114	2	<0.01	8	360	20	<5	<20	<1	0.02	<10	29	<10	<1	33
22	L120E 51+00N	0.3	1.19	<5	50	<5	0.05	<1	8	12	18	3.06	<10	0.16	635	3	<0.01	11	380	36	<5	<20	<1	0.02	<10	21	<10	<1	47
23	L120E 51+25N	0.3	1.31	<5	50	<5	0.03	<1	8	14	15	3.68	<10	0.15	440	4	0.01	11	350	32	<5	<20	<1	0.03	<10	33	<10	<1	46
24	L120E 51+50N	0.4	1.90	<5	60	<5	0.06	<1	10	15	31	3.36	<10	0.22	302	3	<0.01	16	380	34	<5	<20	2	0.03	<10	13	<10	<1	70
25	L120E 51+75N	0.3	1.45	<5	65	<5	0.26	<1	21	22	84	3.75	10	0.41	733	3	<0.01	38	680	68	<5	<20	13	0.01	<10	21	<10	12	113
26	L120E 52+00N	0.2	1.72	5	50	<5	0.02	<1	7	17	23	2.95	10	0.24	131	3	<0.01	15	310	40	<5	<20	<1	<0.01	<10	18	<10	<1	56
27	L120E 52+25N	0.2	2.27	5	45	<5	0.02	<1	6	11	13	2.57	<10	0.12	180	3	<0.01	9	340	30	<5	<20	<1	0.02	<10	20	<10	<1	31
28	L120E 52+50N	0.2	1.23	<5	55	5	0.03	<1	12	17	24	4.88	<10	0.21	285	4	<0.01	25	300	52	<5	<20	3	0.03	<10	27	<10	<1	75
29	L120E 52+75N	0.9	2.00	<5	60	<5	0.40	<1	14	10	54	2.55	20	0.14	1656	1	0.02	19	840	42	<5	<20	16	0.03	<10	12	<10	51	118
30	L120E 53+00N	0.6	1.66	<5	70	5	0.29	<1	30	17	62	4.89	20	0.33	843	4	<0.01	41	600	74	<5	<20	11	0.03	<10	25	<10	23	315

CHR AS CP C FICA F AN S A 4-15 E ECH RAT LTD.

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	L120E 53+25N	0.5	1.57	<5	60	<5	0.16	<1	23	12	70	3.43	<10	0.21	1077	3	0.01	33	600	74	<5	<20	7	0.02	<10	15	<10	5	165
32	L120E 53+50N	0.8	0.81	<5	60	<5	0.16	<1	24	8	55	4.27	10	0.07	412	4	<0.01	38	380	104	<5	<20	7	0.02	<10	19	<10	12	113
33	L120E 53+75N	0.3	1.52	<5	70	<5	0.18	<1	20	16	37	4.07	10	0.21	431	4	<0.01	38	610	46	<5	<20	9	<0.01	<10	17	<10	35	74
34	L120E 54+00N	1.1	1.10	10	55	<5	0.05	<1	19	18	35	3.95	10	0.31	514	3	<0.01	32	390	46	<5	<20	1	<0.01	<10	16	<10	<1	84
35	L120E 54+25N	0.2	2.79	10	70	<5	0.07	<1	10	17	26	3.57	<10	0.20	97	4	<0.01	20	480	58	<5	<20	2	<0.01	<10	23	<10	3	68
36	L120E 54+50N	0.4	1.48	10	40	<5	0.02	<1	10	15	26	3.47	10	0.21	291	3	<0.01	16	430	32	<5	<20	2	<0.01	<10	17	<10	<1	62
37	L120E 54+75N	0.2	1.24	<5	55	<5	0.14	<1	8	12	20	3.53	<10	0.17	420	4	<0.01	13	380	24	<5	<20	7	0.02	<10	19	<10	<1	52
38	L120E 55+00N	0.6	1.64	<5	95	<5	0.09	<1	22	21	49	3.81	10	0.27	1288	2	0.01	36	480	58	<5	<20	6	0.02	<10	24	<10	8	92
39	L120E 55+25N	0.2	1.43	<5	40	<5	0.02	<1	6	13	14	2.92	10	0.17	277	3	<0.01	11	420	22	<5	<20	<1	0.02	<10	24	<10	<1	41
40	L120E 55+50N	0.2	0.88	<5	40	10	0.02	<1	7	11	20	3.90	10	0.12	206	4	<0.01	10	310	24	<5	<20	<1	0.03	<10	31	<10	<1	41
41	L120E 55+75N	0.3	0.75	<5	35	<5	0.04	<1	5	8	14	2.03	10	0.11	135	3	0.01	7	380	20	<5	<20	3	0.02	<10	22	<10	<1	26
42	L120E 56+00N	0.3	1.05	<5	55	5	0.10	<1	18	11	37	3.54	10	0.24	618	4	0.01	24	490	26	<5	<20	4	0.02	<10	19	<10	4	62
43	L120E 56+25N	0.8	1.15	<5	85	<5	0.19	<1	13	14	35	2.68	10	0.17	908	2	0.02	34	450	106	<5	<20	12	0.02	<10	28	<10	26	86
44	L120E 56+50N	0.3	1.01	10	65	<5	0.08	<1	18	17	34	4.04	10	0.31	495	4	<0.01	34	400	40	<5	<20	6	<0.01	<10	21	<10	<1	91
45	L120E 56+75N	0.3	1.56	<5	80	5	0.06	<1	16	14	20	3.55	<10	0.15	1245	2	0.01	15	390	46	<5	<20	5	0.04	<10	18	<10	<1	60
46	L120E 57+00N	0.2	0.67	<5	30	<5	0.02	<1	3	5	6	1.80	10	0.04	61	2	<0.01	5	220	14	<5	<20	<1	0.03	<10	28	<10	<1	15
47	L120E 57+25N	0.2	1.11	<5	50	<5	0.04	<1	14	20	23	3.10	10	0.38	425	3	<0.01	25	290	30	<5	<20	3	<0.01	<10	18	<10	<1	69
48	L120E 57+50N	<0.2	1.15	5	60	<5	0.06	<1	13	20	30	3.46	10	0.38	409	3	<0.01	31	440	28	<5	<20	4	<0.01	<10	21	<10	<1	83
49	L122E 45+25N	0.4	1.78	30	100	<5	0.06	<1	49	19	122	3.88	10	0.33	3500	2	0.01	42	1010	66	<5	<20	4	0.03	<10	24	<10	9	107
50	L122E 45+50N	<0.2	1.72	<5	55	<5	0.02	<1	11	16	48	4.16	10	0.40	395	4	<0.01	19	420	32	<5	<20	<1	<0.01	<10	19	<10	<1	64
51	L122E 45+75N	0.2	1.53	<5	30	<5	0.02	<1	5	10	27	2.29	<10	0.17	145	2	0.01	6	330	28	<5	<20	1	0.04	<10	17	<10	<1	28
52	L122E 46+00N	<0.2	1.65	15	50	<5	0.01	<1	9	17	51	3.81	20	0.50	259	3	<0.01	20	360	24	<5	<20	<1	<0.01	<10	17	<10	<1	71
53	L122E 46+25N	0.2	1.29	<5	35	<5	0.02	<1	7	13	19	3.83	10	0.24	607	4	<0.01	8	410	30	<5	<20	<1	0.02	<10	23	<10	<1	38
54	L122E 46+50N	0.2	1.26	<5	35	<5	0.02	<1	7	14	26	3.79	10	0.35	276	4	<0.01	12	440	26	<5	<20	<1	0.01	<10	25	<10	<1	50
55	L122E 46+75N	2.5	0.93	<5	30	<5	0.01	<1	5	9	24	2.60	10	0.19	280	3	<0.01	8	390	24	<5	<20	<1	0.01	<10	21	<10	<1	32
56	L122E 47+00N	0.2	1.19	<5	40	<5	0.02	<1	9	15	47	4.10	<10	0.36	301	3	<0.01	16	480	22	<5	<20	2	<0.01	<10	19	<10	<1	57
57	L122E 47+25N	0.4	1.69	<5	35	5	0.02	<1	6	14	31	3.70	<10	0.13	312	4	0.01	9	620	38	<5	<20	2	0.05	<10	21	<10	<1	27
58	L122E 47+50N	<0.2	1.38	<5	35	<5	0.02	<1	12	17	55	4.31	10	0.46	279	4	<0.01	23	610	28	<5	<20	<1	<0.01	<10	15	<10	<1	71
59	L122E 47+75N	0.2	1.35	<5	40	<5	0.02	<1	12	14	41	5.07	10	0.34	369	4	<0.01	18	560	32	<5	<20	2	0.02	<10	27	<10	<1	78
60	L122E 48+00N	<0.2	1.31	<5	45	<5	0.02	<1	9	17	53	4.86	10	0.39	318	4	<0.01	19	570	30	<5	<20	2	<0.01	<10	24	<10	<1	67
61	L122E 48+25N	0.3	1.15	<5	30	<5	0.02	<1	5	11	19	3.40	<10	0.16	134	3	<0.01	8	390	24	<5	<20	<1	0.03	<10	42	<10	<1	28
62	L122E 48+50N	0.2	1.23	<5	40	<5	0.02	<1	6	12	26	3.46	<10	0.22	256	3	0.01	11	410	28	<5	<20	1	0.03	<10	30	<10	<1	42
63	L122E 48+75N	0.2	1.87	<5	40	5	0.03	<1	10	15	51	4.17	<10	0.26	433	4	<0.01	13	710	42	<5	<20	<1	0.02	<10	19	<10	<1	49
64	L122E 49+00N	<0.2	1.36	<5	45	<5	0.02	<1	8	14	39	3.69	<10	0.30	264	4	<0.01	12	480	44	<5	<20	2	0.02	<10	21	<10	<1	53
65	L122E 49+25N	0.2	1.14	<5	30	<5	0.03	<1	7	11	40	2.96	<10	0.19	309	3	<0.01	9	490	38	<5	<20	2	0.01	<10	23	<10	<1	36
66	L122E 49+50N	0.4	0.50	<5	30	<5	0.05	<1	4	6	19	1.38	<10	0.07	231	1	0.01	5	350	28	<5	<20	4	0.03	<10	10	<10	<1	25
67	L122E 49+75N	0.3	0.60	<5	40	<5	0.07	<1	5	6	22	1.37	<10	0.08	722	<1	0.01	7	390	20	<5	<20	4	0.02	<10	13	<10	<1	27
68	L122E 50+00N	0.2	1.18	<5	45	<5	0.04	<1	9	13	41	3.03	<10	0.30	431	3	0.01	13	390	32	<5	<20	2	0.03	<10	32	<10	<1	46
69	L122E 50+25N	0.4	1.91	<5	70	<5	0.13	<1	48	17	170	4.89	<10	0.37	2355	7	0.01	69	890	68	<5	<20	8	0.01	<10	25	<10	13	156
70	L122E 50+50N	1.8	2.32	5	45	<5	0.45	<1	8	8	246	2.95	<10	0.15	200	3	0.01	21	550	840	<5	<20	18	0.04	<10	13	<10	25	245

CHR[illegible]AS [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]CP C[illegible]ICA[illegible] AN[illegible]S A[illegible]4-152[illegible] [illegible] [illegible] EC[illegible]TECH L[illegible]RATORY LTD.[illegible]

Et #	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
71	L122E 50+75N	0.5	3.32	10	75	<5	0.40	<1	14	11	261	2.90	10	0.18	901	1	0.02	41	840	194	<5	<20	20	0.05	<10	<1	<10	70	155
72	L122E 51+00N	0.3	1.24	<5	65	5	0.06	<1	13	8	79	7.35	<10	0.27	654	6	0.01	17	330	28	<5	<20	4	0.06	<10	27	<10	<1	56
73	L122E 51+25N	0.7	3.15	5	160	<5	0.18	<1	26	20	975	4.66	20	0.29	1074	6	0.01	44	400	70	<5	<20	8	0.03	<10	32	<10	24	133
74	L122E 51+50N	0.4	1.29	<5	65	<5	0.06	<1	9	11	68	3.54	<10	0.22	253	3	0.01	15	310	32	<5	<20	3	0.05	<10	27	<10	<1	67
75	L122E 51+75N	0.2	0.67	<5	35	<5	0.09	<1	3	6	12	1.45	<10	0.07	242	2	0.01	5	330	14	<5	<20	3	0.03	<10	19	<10	<1	28
76	L122E 52+00N	0.2	0.93	<5	40	<5	0.04	<1	9	10	41	3.18	<10	0.12	416	3	0.01	13	320	52	<5	<20	2	0.04	<10	31	<10	<1	60
77	L122E 52+25N	0.2	1.17	5	35	<5	0.02	<1	12	12	26	3.48	<10	0.26	391	2	<0.01	21	440	26	<5	<20	<1	<0.01	<10	17	<10	<1	56
78	L122E 52+50N	<0.2	1.29	<5	35	<5	0.03	<1	8	9	37	2.75	<10	0.09	248	2	0.01	19	590	18	<5	<20	4	0.03	<10	22	<10	<1	30
79	L122E 52+75N	0.3	0.69	<5	40	<5	0.05	<1	6	23	18	2.62	<10	0.16	311	2	0.01	33	370	26	<5	<20	3	0.04	<10	27	<10	<1	44
80	L122E 53+00N	0.5	0.94	<5	30	<5	0.03	<1	7	8	32	2.52	<10	0.11	283	2	0.01	11	300	90	<5	<20	1	0.03	<10	28	<10	<1	38
81	L122E 53+25N	0.2	1.52	<5	50	5	0.01	<1	14	17	239	>10	20	0.57	520	5	<0.01	13	310	60	<5	<20	<1	<0.01	<10	24	<10	<1	101
82	L122E 53+50N	1.2	2.72	5	95	<5	0.20	1	16	19	141	3.36	70	0.31	1536	2	0.02	49	660	52	<5	<20	12	0.05	<10	11	<10	108	234
83	L122E 53+75N	1.1	1.87	<5	80	<5	0.37	<1	14	15	77	3.23	10	0.29	515	3	0.01	45	610	56	<5	<20	19	0.03	<10	18	<10	14	96
84	L122E 54+00N	0.6	2.00	<5	70	<5	0.39	<1	21	15	39	3.91	<10	0.31	681	2	0.01	32	690	64	<5	<20	17	0.04	<10	18	<10	5	134
85	L122E 54+25N	1.8	2.48	<5	55	<5	0.32	2	20	12	76	3.56	20	0.22	1609	2	0.02	28	640	62	<5	<20	15	0.05	<10	8	<10	29	120
86	L122E 54+50N	1.3	2.14	<5	65	<5	0.30	3	25	16	153	3.70	40	0.27	2687	2	0.02	71	740	118	<5	<20	15	0.05	<10	12	<10	80	202
87	L122E 54+75N	<0.2	1.21	10	50	<5	0.03	<1	12	17	25	3.44	10	0.37	364	3	<0.01	23	300	24	<5	<20	<1	<0.01	<10	19	<10	<1	88
88	L122E 55+00N	0.4	1.36	<5	65	<5	0.08	<1	9	11	17	3.48	<10	0.13	327	5	0.01	14	330	58	<5	<20	3	0.04	<10	25	<10	<1	73
89	L122E 55+25N	0.2	1.10	5	40	<5	0.02	<1	9	12	29	3.15	<10	0.18	260	3	<0.01	14	340	44	<5	<20	<1	0.01	<10	20	<10	<1	65
90	L122E 55+50N	0.3	0.45	<5	20	<5	0.05	<1	2	3	7	0.96	<10	0.04	64	<1	0.01	3	200	16	<5	<20	2	0.03	<10	8	<10	<1	12
91	L122E 55+75N	0.2	0.94	<5	35	<5	0.07	<1	6	10	11	3.17	10	0.21	116	3	<0.01	10	280	18	<5	<20	3	0.03	<10	32	<10	<1	37
92	L122E 56+00N	0.2	1.66	<5	30	<5	0.02	<1	4	9	10	2.35	<10	0.05	65	2	0.01	2	240	28	<5	<20	<1	0.04	<10	20	<10	1	14
93	L124E 44+75N	<0.2	1.65	45	45	<5	0.01	<1	11	14	79	5.15	10	0.39	289	5	<0.01	18	290	20	<5	<20	<1	<0.01	<10	26	<10	<1	68
94	L124E 45+00N	No Sample																											
95	L124E 45+25N	1.4	2.03	15	65	<5	0.18	<1	16	13	111	3.49	10	0.34	967	3	0.01	28	600	36	<5	<20	7	0.03	<10	19	<10	18	122
96	L124E 45+50N	0.9	1.90	40	110	<5	0.33	<1	22	15	178	4.39	<10	0.29	1335	3	0.02	47	700	44	<5	<20	16	0.04	<10	19	<10	20	146
97	L124E 45+75N	0.5	1.49	<5	65	<5	0.07	<1	17	16	88	4.07	<10	0.43	851	4	<0.01	25	480	38	<5	<20	3	<0.01	<10	27	<10	<1	104
98	L124E 46+00N	0.6	0.49	<5	30	<5	0.06	<1	3	6	23	0.87	<10	0.13	92	1	0.01	5	350	16	<5	<20	3	<0.01	<10	12	<10	<1	18
99	L124E 46+25N	0.3	1.07	<5	40	<5	0.02	<1	7	11	57	2.72	10	0.28	182	3	<0.01	13	280	20	<5	<20	<1	<0.01	<10	20	<10	<1	53
100	L124E 46+50N	0.6	0.72	<5	30	<5	0.02	<1	4	6	30	1.75	<10	0.13	109	1	<0.01	7	300	16	<5	<20	<1	0.01	<10	14	<10	<1	25
101	L124E 46+75N	<0.2	1.54	<5	35	<5	0.01	<1	7	14	32	3.94	10	0.31	244	4	<0.01	10	350	22	<5	<20	<1	0.01	<10	31	<10	<1	48
102	L124E 47+00N	<0.2	1.53	<5	45	<5	0.02	<1	11	16	74	4.53	10	0.37	311	4	<0.01	20	360	26	<5	<20	<1	<0.01	<10	24	<10	<1	60
103	L124E 47+25N	0.5	0.75	<5	35	<5	0.03	<1	6	8	41	3.37	<10	0.13	92	4	<0.01	13	300	18	<5	<20	2	0.02	<10	24	<10	<1	31
104	L124E 47+50N	0.4	0.38	<5	20	<5	0.02	<1	9	5	54	2.61	<10	0.07	189	3	<0.01	8	140	10	<5	<20	<1	0.03	<10	28	<10	<1	27
105	L124E 47+75N	0.2	1.16	<5	50	<5	0.04	<1	6	9	43	3.66	<10	0.13	117	4	<0.01	8	260	18	<5	<20	1	0.03	<10	27	<10	<1	29
106	L124E 48+00N	0.2	0.73	<5	20	<5	0.01	<1	3	5	41	1.41	20	0.07	44	2	0.01	5	200	14	<5	<20	2	0.01	<10	26	<10	<1	17
107	L124E 48+25N	0.5	0.90	<5	25	<5	0.02	<1	3	6	19	2.05	<10	0.04	48	3	0.01	2	260	22	<5	<20	1	0.04	<10	19	<10	<1	11
108	L124E 48+50N	<0.2	0.90	<5	35	<5	0.01	<1	16	11	85	4.73	<10	0.22	200	5	<0.01	20	340	26	<5	<20	<1	<0.01	<10	27	<10	<1	70
109	L124E 48+75N	0.3	0.54	<5	30	<5	0.02	<1	8	7	48	3.16	<10	0.09	128	4	<0.01	15	370	16	<5	<20	1	0.04	<10	44	<10	<1	42
110	L124E 49+00N	0.2	1.01	<5	15	5	0.01	<1	4	7	17	1.85	<10	0.05	88	2	0.01	4	340	16	<5	<20	<1	0.03	<10	19	<10	<1	18

CHR[illegible]AS [illegible] CP C[illegible]FICA[illegible]F AN[illegible]IS A[illegible]4-15[illegible] E[illegible]ECH[illegible]RAT[illegible]LTD[illegible]

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
111	L124E 49+25N	0.3	0.76	<5	30	5	0.05	<1	7	9	64	2.86	<10	0.12	191	6	<0.01	11	410	24	<5	<20	2	0.02	<10	24	<10	<1	36
112	L124E 49+50N	0.8	1.16	<5	45	<5	0.06	<1	13	11	52	3.56	<10	0.16	1034	4	0.01	15	690	42	<5	<20	3	0.03	<10	26	<10	7	71
113	L124E 49+75N	0.5	1.51	<5	45	<5	0.14	<1	14	12	71	2.21	<10	0.18	2152	2	0.01	17	870	100	<5	<20	8	0.03	<10	19	<10	21	81
114	L124E 50+00N	0.3	0.82	<5	35	<5	0.04	<1	6	9	55	2.89	<10	0.15	164	3	<0.01	10	300	20	<5	<20	4	0.03	<10	23	<10	<1	48
115	L124E 50+25N	0.8	1.00	<5	35	<5	0.08	<1	7	7	215	1.92	20	0.15	337	2	0.01	12	490	30	<5	<20	5	0.02	<10	20	<10	29	48
116	L124E 50+50N	<0.2	0.80	<5	55	<5	0.12	<1	7	9	67	3.05	<10	0.26	115	3	<0.01	13	390	14	<5	<20	7	0.02	<10	26	<10	<1	51
117	L124E 50+75N	0.3	1.36	<5	50	<5	0.02	<1	11	12	146	4.13	<10	0.31	288	4	<0.01	16	420	28	<5	<20	1	<0.01	<10	19	<10	<1	69
118	L124E 51+00N	0.2	0.36	<5	15	<5	0.04	<1	4	4	24	1.33	<10	0.03	54	2	0.01	3	190	8	<5	<20	2	0.03	<10	24	<10	<1	13
119	L124E 51+25N	0.7	0.34	<5	30	<5	0.03	<1	6	4	101	2.33	<10	0.06	308	2	0.01	3	240	10	<5	<20	2	0.02	<10	22	<10	<1	26
120	L124E 51+50N	1.5	1.88	<5	75	<5	0.17	<1	24	14	1136	3.78	10	0.17	828	3	0.01	19	440	236	<5	<20	10	0.05	<10	18	<10	41	69
121	L124E 51+75N	0.3	0.52	<5	45	<5	0.06	<1	9	6	105	2.67	<10	0.13	100	4	<0.01	8	220	18	<5	<20	4	0.06	<10	42	<10	<1	44
122	L124E 52+00N	0.3	0.91	<5	30	<5	0.03	<1	6	9	38	2.43	<10	0.11	312	2	0.01	7	270	32	<5	<20	2	0.06	<10	31	<10	<1	32
123	L124E 52+25N	0.3	2.71	5	45	<5	0.08	<1	14	14	162	2.93	<10	0.15	721	3	0.01	10	540	58	<5	<20	5	0.05	<10	18	<10	3	54
124	L124E 52+50N	0.9	1.64	5	100	<5	0.31	<1	25	15	249	4.06	10	0.32	1646	3	0.01	69	1030	70	<5	<20	17	0.01	<10	18	<10	38	222
125	L124E 52+75N	1.8	2.21	<5	135	<5	0.41	<1	21	18	197	3.77	20	0.30	1088	3	0.02	67	890	56	<5	<20	24	0.02	<10	19	<10	76	121
126	L124E 53+00N	0.3	0.50	<5	40	<5	0.05	<1	5	6	14	2.10	<10	0.09	216	2	0.01	9	200	18	<5	<20	4	0.05	<10	20	<10	2	27
127	L124E 53+25N	0.3	0.60	<5	40	<5	0.11	<1	7	10	20	2.19	<10	0.23	310	3	<0.01	29	550	18	<5	<20	3	0.01	<10	21	<10	<1	60
128	L124E 53+50N	0.7	1.72	<5	35	<5	0.03	<1	8	13	20	3.18	<10	0.15	318	3	0.01	13	360	46	<5	<20	1	0.03	<10	20	<10	<1	48
129	L124E 53+75N	0.3	0.50	<5	60	<5	0.08	<1	9	11	17	2.84	<10	0.14	988	2	<0.01	17	380	10	<5	<20	4	0.02	<10	18	<10	<1	45
130	L124E 54+00N	<0.2	1.42	<5	40	<5	0.03	<1	12	15	31	3.59	<10	0.29	272	3	<0.01	26	320	24	<5	<20	<1	<0.01	<10	18	<10	<1	74
131	L124E 54+25N	0.3	0.44	<5	35	<5	0.04	<1	4	6	13	1.89	<10	0.08	122	2	<0.01	9	340	18	<5	<20	3	0.01	<10	18	<10	<1	30
132	L124E 54+50N	0.8	2.80	<5	145	<5	0.33	<1	18	20	89	3.90	10	0.32	1722	3	0.02	54	1180	52	<5	<20	19	0.03	<10	22	<10	33	108
133	L124E 54+75N	0.8	2.07	<5	105	<5	0.45	<1	25	14	88	3.66	10	0.28	1496	3	0.02	35	920	38	<5	<20	20	0.02	<10	16	<10	18	87
134	L124E 55+00N	0.7	2.13	<5	85	<5	0.39	<1	14	12	54	3.24	<10	0.27	980	6	0.01	35	750	36	5	<20	18	0.03	<10	12	<10	11	97
135	L124E 55+25N	0.2	1.66	5	100	<5	0.32	<1	26	15	246	4.08	10	0.33	1653	3	0.01	69	1060	70	<5	<20	17	0.01	<10	18	<10	36	225
136	L124E 55+50N	<0.2	0.97	<5	50	<5	0.09	<1	29	14	39	3.61	<10	0.39	1713	3	<0.01	33	410	40	<5	<20	5	<0.01	<10	13	<10	<1	90
137	L124E 55+75N	0.5	1.27	<5	60	<5	0.19	<1	9	12	22	2.75	<10	0.28	303	3	0.01	17	550	34	<5	<20	8	<0.01	<10	21	<10	<1	77
138	L124E 56+00N	0.7	2.75	5	135	<5	0.56	<1	19	18	42	3.74	<10	0.25	2494	2	0.02	31	1710	60	<5	<20	30	0.02	<10	29	<10	20	97
139	L126E 44+25N	0.5	0.97	10	40	<5	0.02	<1	9	11	69	4.23	<10	0.21	568	5	<0.01	11	500	38	<5	<20	1	0.02	<10	28	<10	<1	47
140	L126E 44+50N	0.2	1.35	<5	35	<5	0.02	<1	10	12	170	3.49	<10	0.34	281	4	<0.01	18	440	38	<5	<20	<1	<0.01	<10	17	<10	<1	61
141	L126E 44+75N	0.7	1.15	<5	35	<5	0.02	<1	8	10	62	2.72	<10	0.18	801	3	0.01	6	600	36	<5	<20	2	0.02	<10	23	<10	<1	37
142	L126E 45+00N	0.6	1.27	<5	35	<5	0.03	<1	10	8	42	1.94	<10	0.12	2027	2	0.01	4	450	24	<5	<20	3	0.05	<10	21	<10	10	24
143	L126E 45+25N	**No Sample**																											
144	L126E 45+50N	0.2	1.15	<5	30	<5	0.02	<1	3	5	34	1.07	<10	0.06	36	4	0.01	3	300	24	<5	<20	2	0.03	<10	8	<10	6	13
145	L126E 45+75N	0.3	1.69	<5	85	<5	0.05	<1	17	17	38	3.46	10	0.32	638	4	<0.01	26	420	44	<5	<20	4	<0.01	<10	23	<10	<1	75
146	L126E 46+00N	0.5	1.39	<5	45	<5	0.01	<1	9	13	85	4.04	<10	0.36	269	4	<0.01	12	320	24	<5	<20	1	0.03	<10	31	<10	<1	56
147	L126E 46+25N	0.3	1.36	<5	40	<5	0.02	<1	9	13	124	3.47	<10	0.34	265	4	<0.01	15	450	26	<5	<20	1	<0.01	<10	20	<10	<1	53
148	L126E 46+50N	0.3	1.78	<5	30	<5	0.02	<1	4	9	83	2.82	<10	0.10	80	4	0.01	5	380	60	<5	<20	<1	0.04	<10	17	<10	2	24
149	L126E 46+75N	0.2	1.58	<5	45	<5	0.02	<1	11	16	230	4.21	<10	0.48	202	5	<0.01	21	410	36	<5	<20	1	<0.01	<10	19	<10	<1	72
150	L126E 47+00N	0.2	1.44	<5	40	<5	0.02	<1	7	11	72	3.33	<10	0.18	295	4	0.01	10	380	30	<5	<20	1	0.03	<10	23	<10	<1	37

CHR AS CP C FICA F AN S A 4-15 E ECH RAT LTD.

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
151	L126E 47+25N	<0.2	2.05	<5	25	<5	0.03	<1	5	9	55	1.91	<10	0.09	170	3	0.02	4	530	40	<5	<20	<1	0.04	<10	11	<10	7	23
152	L126E 47+50N	0.2	1.20	<5	35	<5	0.02	<1	9	9	85	3.58	<10	0.16	505	5	0.01	9	490	42	<5	<20	1	0.03	<10	33	<10	<1	37
153	L126E 47+75N	0.3	2.14	<5	40	<5	0.03	<1	9	12	98	3.15	<10	0.23	363	4	0.01	10	540	52	<5	<20	2	0.04	<10	18	<10	<1	48
154	L126E 48+00N	0.6	2.07	5	105	<5	0.09	<1	41	18	307	5.24	<10	0.43	2645	5	0.01	50	860	56	<5	<20	6	<0.01	<10	34	<10	3	162
155	L126E 48+25N	0.6	1.16	15	55	<5	0.02	<1	11	11	136	4.28	<10	0.27	354	5	0.01	15	400	34	<5	<20	<1	0.01	<10	24	<10	<1	57
156	L126E 48+50N	0.2	1.29	5	40	<5	0.05	<1	12	12	220	4.35	<10	0.41	261	6	<0.01	20	460	32	<5	<20	2	<0.01	<10	23	<10	<1	68
157	L126E 48+75N	<0.2	1.07	<5	65	<5	0.04	<1	11	11	190	4.02	<10	0.45	253	6	<0.01	15	290	20	<5	<20	3	<0.01	<10	28	<10	<1	78
158	L126E 49+00N	0.9	1.84	<5	70	<5	0.19	<1	29	12	387	3.28	<10	0.29	1280	4	0.02	38	710	44	<5	<20	11	0.02	<10	19	<10	25	105
159	L126E 49+25N	0.2	0.99	<5	45	<5	0.04	<1	11	10	140	3.93	<10	0.25	332	5	0.01	10	340	20	<5	<20	2	0.02	<10	24	<10	<1	47
160	L126E 49+50N	0.3	1.28	15	65	<5	0.22	<1	14	8	197	5.39	<10	0.24	457	6	0.01	14	520	20	<5	<20	10	0.02	<10	36	<10	<1	92
161	L126E 49+75N	0.3	1.18	<5	50	<5	0.02	<1	8	9	90	3.24	<10	0.19	224	5	0.01	14	300	18	<5	<20	2	0.01	<10	23	<10	<1	43
162	L126E 50+00N	0.2	2.50	<5	40	<5	0.16	<1	17	11	225	2.22	10	0.15	1252	2	0.02	19	800	48	<5	<20	8	0.06	<10	<1	<10	47	47
163	L126E 50+25N	0.5	1.19	<5	40	<5	0.12	<1	10	8	81	2.20	<10	0.15	465	2	0.02	10	400	66	<5	<20	7	0.05	<10	10	<10	16	60
164	L126E 50+50N	0.4	1.36	<5	30	<5	0.10	<1	7	8	67	1.97	<10	0.10	489	2	0.02	7	390	22	<5	<20	5	0.06	<10	9	<10	13	51
165	L126E 50+75N	0.2	0.69	<5	50	<5	0.04	<1	10	6	103	3.93	<10	0.10	427	4	0.01	13	290	44	<5	<20	2	0.04	<10	12	<10	<1	73
166	L126E 51+00N	<0.2	2.03	<5	55	<5	0.03	<1	8	7	82	2.38	<10	0.11	327	3	0.01	5	410	24	<5	<20	3	0.03	<10	6	<10	6	30
167	L126E 51+25N	<0.2	0.41	<5	30	<5	0.02	<1	14	3	244	2.94	<10	0.04	1033	4	0.01	4	250	34	<5	<20	1	0.01	<10	23	<10	<1	24
168	L126E 51+50N	0.8	1.70	5	45	<5	0.28	<1	10	9	288	2.34	<10	0.15	1315	2	0.02	15	920	24	<5	<20	17	0.03	<10	24	<10	31	62
169	L126E 51+75N	0.8	1.34	<5	70	<5	0.38	<1	16	8	157	3.04	<10	0.14	576	3	0.02	15	620	26	<5	<20	20	0.07	<10	8	<10	14	62
170	L126E 52+00N	0.3	0.61	<5	55	<5	0.18	<1	5	5	224	2.19	<10	0.06	146	7	0.01	4	310	16	<5	<20	9	0.04	<10	19	<10	3	26
171	L126E 52+25N	0.3	0.51	<5	15	<5	0.03	<1	2	3	20	0.82	<10	0.02	29	<1	0.02	2	220	8	<5	<20	2	0.03	<10	10	<10	2	9
172	L126E 52+50N	<0.2	0.90	<5	70	<5	0.42	<1	10	7	391	2.81	<10	0.11	390	5	0.01	9	360	26	<5	<20	21	0.04	<10	20	<10	11	77
173	L126E 52+75N	0.8	1.00	<5	55	<5	0.48	<1	8	6	839	2.22	<10	0.16	210	5	0.01	5	410	58	<5	<20	22	0.03	<10	11	<10	5	41
174	L126E 53+00N	<0.2	1.75	<5	45	<5	0.05	<1	6	10	45	2.81	10	0.21	113	3	<0.01	9	240	22	<5	<20	3	0.03	<10	35	<10	<1	39
175	L126E 53+25N	<0.2	0.93	<5	35	<5	0.36	<1	7	2	93	2.14	<10	0.07	70	3	0.01	3	340	10	<5	<20	15	0.02	<10	15	<10	8	22
176	L126E 53+50N	0.4	1.17	<5	55	<5	0.31	<1	11	8	97	4.09	<10	0.21	294	4	0.01	12	340	22	<5	<20	15	0.07	<10	25	<10	4	47
177	L126E 53+75N	<0.2	0.22	<5	30	<5	0.23	<1	5	3	30	0.75	<10	0.04	282	<1	0.02	3	220	4	<5	<20	8	0.02	<10	16	<10	5	19
178	L126E 54+00N	0.5	1.51	<5	55	5	0.44	<1	9	9	54	4.91	<10	0.15	141	4	0.01	13	290	26	<5	<20	19	0.08	<10	5	<10	<1	53
179	L126E 54+25N	0.9	2.02	10	95	<5	0.43	<1	13	14	138	3.13	10	0.28	807	3	0.01	33	770	42	<5	<20	20	0.01	<10	22	<10	26	128
180	L126E 54+50N	1.9	4.01	20	125	<5	0.45	1	26	24	443	3.88	60	0.31	1558	3	0.02	102	1060	508	<5	<20	22	0.05	<10	4	<10	186	468
181	L126E 54+75N	0.5	1.38	10	70	<5	0.37	<1	14	12	162	3.03	20	0.32	741	3	0.01	33	880	52	<5	<20	17	<0.01	<10	15	<10	37	119
182	L126E 55+00N	0.7	1.95	<5	100	<5	0.40	<1	12	24	263	2.74	20	0.41	439	2	0.01	41	1020	42	<5	<20	20	0.02	<10	19	<10	37	70
183	L126E 55+25N	<0.2	1.39	<5	75	<5	0.17	<1	13	17	45	3.07	10	0.37	837	2	0.01	29	770	32	<5	<20	9	0.01	<10	18	<10	2	73
184	L126E 55+50N	0.5	1.79	10	90	<5	0.29	<1	12	16	77	3.15	10	0.36	838	2	0.01	38	1130	42	<5	<20	13	<0.01	<10	19	<10	20	94
185	L126E 55+75N	<0.2	1.75	<5	80	5	0.04	<1	12	20	33	3.80	10	0.46	418	3	<0.01	25	350	36	<5	<20	4	<0.01	<10	21	<10	<1	73
186	L126E 56+00N	0.2	1.57	<5	60	5	0.02	<1	12	16	20	2.85	10	0.27	670	2	<0.01	17	350	28	<5	<20	<1	0.01	<10	21	<10	<1	52
187	L130E 44+00N	0.7	2.45	<5	60	<5	0.14	<1	24	14	98	2.75	30	0.24	1136	3	0.01	15	660	34	<5	<20	6	0.03	<10	17	<10	46	63
188	L130E 44+25N	1.3	2.44	10	65	<5	0.42	<1	7	11	41	2.84	<10	0.25	210	4	0.01	14	660	70	<5	<20	13	0.04	<10	10	<10	8	70
189	L130E 44+50N	0.9	2.20	20	50	<5	0.59	<1	9	10	76	2.07	20	0.23	732	2	0.02	15	1060	26	<5	<20	19	0.04	<10	14	<10	31	55
190	L130E 44+75N	0.4	1.81	10	75	<5	0.31	<1	10	13	78	4.16	10	0.32	235	5	<0.01	16	480	26	<5	<20	11	0.03	<10	25	<10	7	69

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
191	L130E 45+00N	0.8	1.91	20	80	<5	0.65	1	15	13	200	2.94	30	0.27	720	3	0.01	28	890	32	<5	<20	24	0.02	<10	14	<10	41	84
192	L130E 45+25N	0.8	1.94	45	60	<5	0.60	1	10	10	342	1.94	20	0.16	2047	9	0.02	17	1490	26	<5	<20	23	0.02	<10	19	<10	63	64
193	L130E 45+50N	<0.2	1.63	10	55	<5	0.06	<1	9	12	104	3.81	10	0.27	304	10	<0.01	10	330	32	<5	<20	5	0.03	<10	22	<10	8	56
194	L130E 45+75N	1.4	1.81	5	65	<5	0.38	<1	10	11	161	2.71	30	0.21	544	8	0.02	17	580	42	<5	<20	16	0.05	<10	8	<10	62	73
195	L130E 46+00N	0.4	0.90	<5	40	<5	0.04	<1	8	6	39	2.73	<10	0.12	672	5	0.01	5	290	18	<5	<20	1	0.03	<10	25	<10	<1	27
196	L130E 46+25N	0.3	0.71	<5	55	<5	0.07	<1	8	9	43	2.66	<10	0.19	692	7	0.01	9	280	20	<5	<20	4	0.04	<10	28	<10	<1	37
197	L130E 46+50N	0.4	0.93	<5	40	<5	0.02	<1	8	7	46	2.77	<10	0.12	818	6	<0.01	4	400	18	<5	<20	<1	0.02	<10	25	<10	<1	32
198	L130E 46+75N	0.4	1.03	<5	65	<5	0.05	<1	12	8	131	4.44	<10	0.19	633	8	0.01	12	390	18	<5	<20	4	0.02	<10	22	<10	<1	53
199	L130E 47+00N	0.2	1.02	15	50	<5	0.02	<1	12	13	139	4.18	<10	0.33	580	6	<0.01	21	400	40	<5	<20	<1	0.01	<10	23	<10	<1	63
200	L130E 47+25N	<0.2	0.62	<5	45	<5	0.05	<1	8	9	93	3.49	<10	0.15	256	10	<0.01	12	370	58	<5	<20	1	0.02	<10	25	<10	<1	49
201	L130E 47+50N	<0.2	0.81	10	45	<5	0.02	<1	8	9	40	3.06	<10	0.18	243	6	<0.01	11	260	20	<5	<20	<1	0.03	<10	23	<10	<1	43
202	L130E 47+75N	1.7	2.99	110	50	<5	0.41	<1	36	16	508	3.30	20	0.22	1157	5	0.01	29	880	56	<5	<20	12	0.05	<10	13	<10	54	80
203	L130E 48+00N	0.4	0.64	<5	30	<5	0.06	<1	4	5	35	1.52	<10	0.08	107	3	0.01	4	270	16	<5	<20	3	0.04	<10	13	<10	3	27
204	L130E 48+25N	0.6	1.09	20	55	<5	0.44	<1	13	9	166	2.24	<10	0.16	1609	4	0.02	17	650	22	<5	<20	14	0.04	<10	18	<10	18	82
205	L130E 48+50N	1.1	1.96	80	70	<5	0.53	<1	16	12	477	2.61	20	0.18	1055	3	0.02	38	1040	30	<5	<20	16	0.03	<10	17	<10	66	97
206	L130E 48+75N	1.0	2.24	50	80	<5	0.22	<1	17	12	244	3.20	<10	0.17	645	3	0.01	22	560	38	<5	<20	7	0.05	<10	14	<10	29	96
207	L130E 49+00N	1.3	3.48	40	75	<5	0.31	<1	18	14	366	2.86	10	0.17	1536	3	0.02	35	810	60	<5	<20	11	0.06	<10	4	<10	45	91
208	L130E 49+25N	1.1	2.67	45	150	<5	0.48	<1	34	17	599	4.62	10	0.22	1933	6	0.02	52	1130	54	<5	<20	19	0.02	<10	22	<10	47	112
209	L130E 49+50N	0.2	1.81	35	75	<5	0.20	<1	17	14	231	3.66	10	0.29	636	4	0.01	31	820	42	<5	<20	8	0.02	<10	18	<10	24	97
210	L130E 49+75N	0.2	2.54	10	50	<5	0.10	<1	8	13	332	3.67	20	0.16	150	3	0.01	22	610	34	<5	<20	5	0.04	<10	9	<10	61	53
211	L130E 50+00N	1.0	1.08	45	55	<5	0.15	<1	17	8	84	1.96	<10	0.13	869	2	0.02	13	390	264	<5	<20	11	0.05	<10	16	<10	14	36
212	L130E 50+25N	0.6	0.90	45	100	<5	0.11	<1	20	10	85	5.28	<10	0.20	1005	5	0.01	13	360	26	<5	<20	6	0.05	<10	33	<10	<1	61
213	L130E 50+50N	1.4	1.49	10	70	<5	0.18	<1	24	14	165	3.65	<10	0.25	733	4	0.01	30	540	36	<5	<20	10	0.07	<10	16	<10	28	86
214	L130E 50+75N	1.3	1.20	<5	80	<5	0.19	<1	14	11	140	3.27	<10	0.15	347	3	0.01	28	650	26	<5	<20	11	0.02	<10	19	<10	<1	62
215	L130E 51+00N	0.3	0.25	<5	25	<5	0.06	<1	4	4	9	1.31	<10	0.02	93	1	0.01	4	140	6	<5	<20	4	0.05	<10	31	<10	<1	19
216	L130E 51+25N	1.8	0.88	<5	30	<5	0.13	<1	17	6	74	1.71	10	0.06	382	<1	0.01	10	410	14	<5	<20	8	0.03	<10	18	<10	30	23
217	L130E 51+50N	0.6	0.41	<5	25	<5	0.02	<1	5	4	34	1.79	<10	0.09	280	2	<0.01	4	250	10	<5	<20	2	0.03	<10	23	<10	<1	19
218	L130E 51+75N	0.4	1.63	10	35	<5	0.04	<1	8	9	48	2.01	<10	0.08	445	2	0.01	4	430	34	<5	<20	2	0.05	<10	13	<10	3	35
219	L130E 52+00N	0.3	0.85	5	35	5	0.02	<1	12	13	27	4.00	<10	0.25	369	3	<0.01	16	540	24	<5	<20	<1	0.02	<10	27	<10	<1	64
220	L130E 52+25N	**No Sample**																											
221	L130E 52+50N	1.0	2.33	<5	55	<5	0.19	<1	27	7	292	3.70	<10	0.10	384	4	0.01	18	620	32	<5	<20	9	0.04	<10	12	<10	26	61
222	L130E 52+75N	0.4	0.87	<5	35	<5	0.03	<1	8	7	89	2.91	<10	0.10	250	3	0.01	8	420	28	<5	<20	2	0.03	<10	21	<10	<1	46
223	L130E 53+00N	0.7	0.75	<5	45	<5	0.06	<1	5	5	33	2.85	<10	0.07	245	2	0.01	4	300	12	<5	<20	3	0.03	<10	13	<10	<1	24
224	L130E 53+25N	0.6	1.11	<5	55	<5	0.13	<1	27	9	255	5.73	<10	0.20	1380	7	<0.01	35	600	18	<5	<20	8	0.02	<10	15	<10	<1	72
225	L130E 53+50N	0.3	0.45	<5	50	<5	0.10	<1	18	8	53	5.17	<10	0.14	570	5	<0.01	41	630	16	<5	<20	5	0.02	<10	20	<10	<1	77
226	L130E 53+75N	0.5	0.79	<5	55	5	0.09	<1	11	11	41	4.79	<10	0.18	375	5	<0.01	21	460	18	<5	<20	6	0.03	<10	29	<10	<1	72
227	L130E 54+00N	0.6	1.64	<5	60	<5	0.24	<1	19	13	130	4.05	<10	0.25	632	5	0.01	28	480	34	<5	<20	13	0.03	<10	16	<10	<1	84
228	L130E 54+25N	1.2	1.20	<5	60	<5	0.35	<1	13	10	50	2.33	<10	0.15	2011	3	0.01	16	490	28	<5	<20	18	0.05	<10	16	<10	6	75
229	L130E 54+50N	0.5	1.48	<5	70	<5	0.26	<1	29	15	154	5.71	<10	0.31	2334	3	<0.01	43	760	146	<5	<20	14	<0.01	<10	17	<10	<1	532
230	L130E 54+75N	0.3	0.39	<5	30	<5	0.03	<1	12	5	38	3.63	<10	0.05	209	3	<0.01	10	310	16	<5	<20	2	0.03	<10	25	<10	<1	118

CHR AS CP C FICA F AN IS A 4-15 E ECH ORAT LTD

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
231	L130E 55+00N	0.9	1.79	<5	95	<5	0.55	<1	14	15	44	4.14	<10	0.26	340	3	0.01	29	600	36	<5	<20	31	0.02	<10	18	<10	<1	80
232	L130E 55+25N	0.6	1.09	<5	75	<5	0.26	<1	11	10	23	2.94	<10	0.21	1186	2	0.01	23	410	22	<5	<20	15	0.02	<10	24	<10	<1	68
233	L130E 55+50N	0.6	0.99	<5	70	<5	0.48	<1	25	10	54	2.36	<10	0.21	652	1	0.01	66	1070	28	<5	<20	22	<0.01	<10	11	<10	12	84
234	L130E 55+75N	0.8	1.57	5	90	<5	0.36	<1	27	16	97	4.26	<10	0.22	1149	3	<0.01	48	790	44	<5	<20	19	0.03	<10	22	<10	8	89
235	L130E 56+00N	0.3	1.28	<5	90	<5	0.13	<1	21	16	56	3.86	<10	0.37	1202	2	<0.01	39	570	34	<5	<20	9	<0.01	<10	17	<10	<1	86
236	L134E 44+00N	0.5	1.25	<5	35	<5	0.04	<1	7	9	31	2.24	<10	0.14	498	3	0.01	6	320	20	<5	<20	3	0.03	<10	21	<10	<1	30
237	L134E 44+25N	1.2	2.02	5	60	<5	0.33	<1	14	16	150	2.73	20	0.18	2134	5	0.02	13	910	30	<5	<20	12	0.03	<10	16	<10	57	73
238	L134E 44+50N	1.2	1.82	<5	40	<5	0.22	<1	11	11	227	2.50	20	0.14	580	3	0.01	8	600	26	<5	<20	9	0.04	<10	17	<10	38	38
239	L134E 44+75N	1.8	2.10	10	75	<5	0.40	<1	15	15	662	2.75	70	0.20	1684	5	0.02	25	980	30	<5	<20	16	0.02	<10	17	<10	181	61
240	L134E 45+00N	0.4	0.55	<5	45	<5	0.10	<1	4	6	51	1.82	<10	0.06	139	2	0.01	4	220	14	<5	<20	6	0.05	<10	20	<10	<1	22
241	L134E 45+25N	1.1	2.03	10	70	<5	0.25	<1	24	20	1244	3.66	60	0.32	2333	14	0.01	35	950	40	<5	<20	11	0.02	<10	19	<10	57	98
242	L134E 45+50N	0.8	2.03	5	45	<5	0.11	<1	15	12	334	2.28	40	0.16	1156	4	0.01	11	650	30	<5	<20	6	0.04	<10	15	<10	45	52
243	L134E 45+75N	0.6	0.92	<5	50	<5	0.12	<1	7	10	90	2.12	<10	0.15	397	3	0.01	9	410	18	<5	<20	6	0.03	<10	21	<10	5	44
244	L134E 46+00N	0.6	1.15	<5	55	<5	0.22	<1	12	13	222	2.46	10	0.18	1029	3	0.01	15	440	28	<5	<20	8	0.04	<10	17	<10	18	89
245	L134E 46+25N	0.2	0.46	<5	40	<5	0.07	<1	4	7	19	2.08	<10	0.10	120	3	0.01	6	260	16	<5	<20	4	0.02	<10	27	<10	<1	29
246	L134E 46+50N	0.3	1.14	45	45	<5	0.02	<1	36	11	161	5.03	<10	0.22	486	5	<0.01	29	340	22	<5	<20	2	0.02	<10	22	<10	<1	50
247	L134E 46+75N	<0.2	0.35	<5	20	<5	0.03	<1	6	6	22	1.25	<10	0.08	56	2	<0.01	9	190	10	<5	<20	2	0.04	<10	24	<10	<1	20
248	L134E 47+00N	0.3	1.28	5	50	<5	0.04	<1	10	13	70	3.28	<10	0.39	272	3	<0.01	19	470	24	<5	<20	2	<0.01	<10	17	<10	<1	53
249	L134E 47+25N	0.2	1.52	5	40	<5	0.06	<1	15	15	96	3.50	<10	0.37	466	3	<0.01	19	390	26	<5	<20	2	<0.01	<10	20	<10	<1	65
250	L134E 47+50N	0.4	1.67	<5	40	<5	0.04	<1	11	11	71	2.70	<10	0.21	464	2	0.01	11	450	26	<5	<20	2	0.03	<10	18	<10	1	35
251	L134E 47+75N	0.3	1.82	<5	40	<5	0.02	<1	7	11	34	3.48	<10	0.20	319	3	<0.01	8	460	26	<5	<20	2	0.03	<10	20	<10	<1	34
252	L134E 48+00N	0.6	1.33	<5	55	<5	0.05	<1	11	11	68	2.53	<10	0.17	561	3	0.01	13	420	26	<5	<20	3	0.03	<10	18	<10	2	45
253	L134E 48+25N	1.1	0.90	<5	80	<5	0.12	<1	11	10	84	2.65	<10	0.21	1105	2	<0.01	18	500	26	<5	<20	7	0.02	<10	16	<10	<1	62
254	L134E 48+50N	0.5	0.76	<5	20	<5	0.05	<1	3	6	17	1.82	<10	0.07	105	2	0.01	3	240	14	<5	<20	2	0.05	<10	22	<10	<1	14
255	L134E 48+75N	0.4	0.63	<5	50	<5	0.07	<1	10	8	43	2.63	<10	0.13	977	2	0.01	11	420	18	<5	<20	3	0.03	<10	20	<10	<1	36
256	L134E 49+00N	0.3	1.21	<5	65	<5	0.16	<1	14	11	73	3.82	<10	0.22	638	3	0.01	15	520	26	<5	<20	7	0.03	<10	22	<10	<1	62
257	L134E 49+25N	0.3	0.62	<5	50	<5	0.12	<1	7	7	37	1.98	<10	0.14	866	2	<0.01	7	430	18	<5	<20	5	0.02	<10	22	<10	<1	35
258	L134E 49+50N	0.5	0.58	<5	40	<5	0.05	<1	5	5	21	2.98	<10	0.04	151	3	0.01	4	230	18	<5	<20	5	0.06	<10	21	<10	<1	21
259	L134E 49+75N	0.6	0.98	<5	45	<5	0.08	<1	11	7	97	3.16	<10	0.12	191	4	<0.01	15	270	22	<5	<20	3	0.02	<10	26	<10	<1	36
260	L134E 50+00N	0.3	1.47	<5	40	<5	0.02	<1	8	14	32	3.21	<10	0.20	202	3	<0.01	10	330	20	<5	<20	2	0.02	<10	21	<10	<1	45
261	L134E 50+25N	0.4	2.03	<5	40	<5	0.02	<1	22	26	373	7.03	<10	1.01	485	5	<0.01	28	430	18	<5	<20	1	<0.01	<10	32	<10	<1	68
262	L134E 50+50N	1.3	1.22	<5	55	5	0.05	<1	9	9	68	5.41	<10	0.08	307	4	0.01	6	640	22	<5	<20	4	0.14	<10	41	<10	<1	26
263	L134E 50+75N	0.3	1.28	<5	30	<5	0.05	<1	15	9	137	5.81	<10	0.47	215	5	<0.01	12	700	22	<5	<20	3	0.01	<10	38	<10	<1	63
264	L134E 51+00N	0.3	0.84	<5	40	<5	0.04	<1	10	8	34	3.45	<10	0.10	159	3	<0.01	7	420	24	<5	<20	3	0.15	<10	43	<10	<1	36
265	L134E 51+25N	0.4	0.27	5	20	<5	0.02	<1	9	4	84	2.56	<10	0.07	199	4	<0.01	13	320	10	<5	<20	1	0.02	<10	24	<10	<1	38
266	L134E 51+50N	0.3	1.15	<5	40	<5	0.02	<1	16	17	101	5.63	<10	0.35	290	4	<0.01	23	380	28	<5	<20	<1	0.02	<10	23	<10	<1	81
267	L134E 51+75N	0.2	0.85	<5	25	<5	0.02	<1	10	7	38	3.25	<10	0.09	153	3	<0.01	14	320	18	<5	<20	2	0.05	<10	24	<10	<1	36
268	L134E 52+00N	**No Sample**																											
269	L134E 52+25N	<0.2	1.58	10	45	<5	0.05	<1	14	12	93	4.87	<10	0.19	303	5	0.01	17	530	32	<5	<20	2	0.03	<10	28	<10	<1	70
270	L134E 52+50N	<0.2	1.16	<5	50	<5	0.08	<1	22	15	63	4.76	<10	0.41	374	3	0.01	40	460	16	<5	<20	4	0.02	<10	21	<10	<1	81

CHR[illegible]AAS [illegible] CP [illegible]FICA[illegible]F AN[illegible]IS A[illegible]04-15[illegible] E[illegible]ECH[illegible]ORAT[illegible]LTD[illegible]

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
271	L134E 52+75N	<0.2	2.38	<5	55	<5	0.20	<1	52	11	151	2.93	<10	0.18	1278	2	0.02	35	810	36	<5	<20	9	0.05	<10	7	<10	16	110
272	L134E 53+00N	<0.2	1.36	<5	40	<5	0.06	<1	18	8	63	3.82	<10	0.11	234	4	<0.01	28	450	60	<5	<20	3	0.05	<10	19	<10	<1	64
273	L134E 53+25N	<0.2	0.78	<5	60	<5	0.08	<1	16	9	96	6.24	<10	0.12	323	6	<0.01	24	540	30	<5	<20	6	0.03	<10	19	<10	<1	86
274	L134E 53+50N	<0.2	2.56	<5	40	5	0.05	<1	6	7	19	3.78	<10	0.03	131	4	0.01	3	440	36	<5	<20	3	0.10	<10	23	<10	<1	21
275	L134E 53+75N	0.6	0.81	<5	20	<5	0.02	<1	3	4	14	1.66	<10	<0.01	37	2	0.01	2	230	98	<5	<20	2	0.04	<10	15	<10	<1	18
276	L134E 54+00N	<0.2	0.65	5	50	10	0.20	<1	10	8	53	5.34	<10	0.09	362	10	0.01	12	690	38	<5	<20	10	0.08	<10	21	<10	<1	54
277	L134E 54+25N	<0.2	0.74	<5	35	<5	0.04	<1	10	10	31	4.29	<10	0.13	264	4	<0.01	14	660	24	<5	<20	2	0.02	<10	27	<10	<1	74
278	L134E 54+50N	<0.2	0.84	<5	35	<5	0.18	<1	4	7	20	2.61	<10	0.09	145	3	0.01	7	440	22	<5	<20	8	0.02	<10	19	<10	<1	28
279	L134E 54+75N	**No Sample**																											
280	L134E 55+00N	<0.2	0.47	<5	35	5	0.02	<1	7	7	25	3.62	<10	0.04	310	4	0.01	8	470	26	<5	<20	3	0.04	<10	26	<10	<1	32
281	L134E 55+25N	1.0	1.40	<5	30	<5	0.03	<1	4	8	10	1.95	<10	0.04	118	4	0.01	2	360	34	<5	<20	3	0.04	<10	25	<10	<1	15
282	L134E 55+50N	0.7	1.53	<5	55	<5	0.06	<1	12	16	41	5.91	<10	0.07	1344	10	0.01	17	930	170	<5	<20	7	<0.01	<10	21	<10	<1	63
283	L134E 55+75N	**No Sample**																											
284	L134E 56+00N	1.4	0.62	<5	70	10	0.16	<1	13	10	29	4.80	<10	0.10	1605	15	0.01	12	1300	96	<5	<20	8	0.06	<10	31	<10	<1	55
QC DATA:																													
Repeat:																													
1	L120E 45+75N	1.0	1.10	<5	45	<5	0.10	<1	7	9	19	1.26	<10	0.20	250	1	0.01	11	450	24	<5	<20	2	0.02	<10	11	<10	3	42
10	L120E 48+00N	1.4	1.31	<5	45	<5	0.05	<1	10	16	28	3.62	<10	0.30	373	4	<0.01	16	650	30	<5	<20	2	0.01	<10	22	<10	<1	58
19	L120E 50+25N	0.2	1.58	<5	50	10	0.02	<1	8	17	22	4.62	<10	0.21	208	4	<0.01	14	420	36	<5	<20	<1	0.01	<10	21	<10	<1	47
36	L120E 54+50N	0.3	1.44	10	45	<5	0.02	<1	9	15	23	3.35	<10	0.21	296	3	<0.01	16	410	32	<5	<20	4	0.02	<10	17	<10	<1	62
54	L122E 46+50N	0.2	1.26	<5	35	5	0.02	<1	7	14	25	3.82	10	0.36	265	3	<0.01	13	470	26	<5	<20	1	<0.01	<10	25	<10	<1	51
63	L122E 48+75N	0.2	1.86	<5	40	<5	0.03	<1	10	16	54	4.25	<10	0.27	451	4	<0.01	16	710	52	<5	<20	1	0.02	<10	20	<10	<1	53
71	L122E 50+75N	0.4	3.22	5	70	<5	0.39	<1	14	11	257	2.96	10	0.18	896	1	0.02	40	840	194	<5	<20	18	0.05	<10	<1	<10	67	157
80	L122E 53+00N	0.5	0.97	<5	30	<5	0.03	<1	8	7	33	2.52	<10	0.10	280	2	0.01	10	320	96	<5	<20	1	0.03	<10	27	<10	<1	36
89	L122E 55+25N	0.2	1.14	<5	40	<5	0.02	<1	9	12	29	3.23	<10	0.20	279	3	<0.01	14	380	46	<5	<20	<1	<0.01	<10	20	<10	<1	68
98	L124E 46+00N	0.6	0.48	<5	30	<5	0.06	<1	2	5	24	0.86	<10	0.13	82	<1	0.01	5	370	16	<5	<20	4	<0.01	<10	11	<10	<1	18
106	L124E 48+00N	0.2	0.69	<5	15	<5	<0.01	<1	3	4	36	1.35	10	0.06	39	3	<0.01	6	190	12	<5	<20	<1	0.01	<10	27	<10	<1	16
115	L124E 50+25N	0.8	1.00	<5	35	<5	0.07	<1	6	7	216	1.90	10	0.15	306	2	0.01	12	480	30	<5	<20	4	0.02	<10	19	<10	28	47
124	L124E 52+50N	0.7	1.61	<5	100	<5	0.30	<1	25	15	231	3.90	10	0.32	1618	4	0.01	67	990	66	<5	<20	15	0.01	<10	18	<10	36	208
133	L124E 54+75N	0.9	2.05	<5	105	<5	0.44	<1	26	14	87	3.63	10	0.29	1493	2	0.01	34	890	36	<5	<20	20	0.02	<10	16	<10	16	85
141	L126E 44+75N	0.7	1.09	<5	25	<5	0.01	<1	8	9	60	2.52	<10	0.18	690	4	<0.01	7	560	34	<5	<20	<1	0.02	<10	21	<10	<1	35
150	L126E 47+00N	0.2	1.43	<5	40	<5	0.02	<1	7	11	77	3.32	<10	0.18	317	5	0.01	10	360	30	<5	<20	1	0.03	<10	25	<10	<1	38
159	L126E 49+25N	<0.2	1.00	<5	40	<5	0.04	<1	11	10	138	3.99	<10	0.27	321	5	<0.01	11	330	20	<5	<20	2	0.02	<10	24	<10	<1	48
168	L126E 51+50N	0.7	1.54	<5	45	<5	0.26	<1	9	9	273	2.33	<10	0.16	1325	3	0.02	16	860	22	<5	<20	15	0.03	<10	25	<10	28	61
176	L126E 53+50N	0.4	1.20	10	55	<5	0.31	<1	12	8	96	4.15	<10	0.23	299	5	0.01	13	360	24	<5	<20	13	0.07	<10	25	<10	4	50
185	L126E 55+75N	<0.2	1.77	<5	85	<5	0.04	<1	12	20	33	3.69	10	0.46	412	3	<0.01	25	340	36	<5	<20	3	<0.01	<10	21	<10	<1	73
194	L130E 45+75N	1.4	1.84	5	65	<5	0.38	<1	10	11	162	2.66	30	0.21	582	7	0.02	16	590	40	<5	<20	15	0.06	<10	8	<10	65	74
203	L130E 48+00N	0.3	0.66	<5	30	<5	0.06	<1	3	5	36	1.40	<10	0.08	99	2	0.01	3	280	16	<5	<20	3	0.04	<10	11	<10	5	27
211	L130E 50+00N	1.0	1.08	50	55	<5	0.14	<1	18	8	83	1.93	<10	0.13	897	2	0.01	12	390	264	<5	<20	9	0.05	<10	15	<10	15	35
229	L130E 54+50N	0.5	1.40	<5	65	<5	0.25	<1	30	14	142	5.46	<10	0.31	2207	4	<0.01	41	680	134	<5	<20	13	<0.01	<10	16	<10	<1	519
238	L134E 44+50N	1.2	1.77	<5	40	<5	0.21	<1	11	10	214	2.37	20	0.13	582	3	0.01	8	580	26	<5	<20	9	0.04	<10	16	<10	36	35
246	L134E 46+50N	0.3	1.15	35	40	<5	0.02	<1	32	11	150	4.80	<10	0.22	507	4	<0.01	25	380	24	<5	<20	2	0.02	<10	22	<10	<1	52
255	L134E 48+75N	0.3	0.63	<5	50	<5	0.06	<1	10	8	43	2.59	<10	0.15	1067	2	0.01	10	410	18	<5	<20	3	0.03	<10	20	<10	<1	38
264	L134E 51+00N	<0.2	0.90	<5	40	<5	0.04	<1	10	9	30	3.56	<10	0.10	145	3	<0.01	10	450	24	<5	<20	2	0.13	<10	42	<10	<1	37
273	L134E 53+25N	<0.2	0.82	<5	60	<5	0.08	<1	17	9	100	6.45	<10	0.14	328	7	<0.01	25	550	36	<5	<20	6	0.03	<10	18	<10	<1	87
281	L134E 55+25N	1.0	1.40	<5	30	5	0.03	<1	4	8	8	1.93	<10	0.04	109	4	0.01	2	360	32	<5	<20	2	0.04	<10	23	<10	<1	14

CHR AS CP C FICA F AN IS A 4-15 E ECH RAT LTD

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Standard:																													
GEO '04		1.5	1.51	50	145	<5	1.39	<1	19	58	86	3.26	<10	0.81	599	<1	0.02	28	660	22	<5	<20	56	0.05	<10	59	<10	10	72
GEO '04		1.5	1.51	45	135	<5	1.33	<1	16	56	88	3.12	<10	0.81	579	1	0.02	28	630	24	<5	<20	54	0.07	<10	55	<10	10	73
GEO '04		1.6	1.51	40	140	<5	1.34	<1	16	57	89	3.13	<10	0.81	591	<1	0.02	24	650	22	<5	<20	58	0.09	<10	57	<10	10	73
GEO '04		1.5	1.55	50	140	<5	1.40	<1	19	57	88	3.21	<10	0.84	601	<1	0.03	26	670	24	<5	<20	58	0.07	<10	55	<10	11	74
GEO '04		1.6	1.54	50	145	<5	1.36	<1	19	57	85	3.17	<10	0.83	593	<1	0.03	28	660	22	5	<20	54	0.07	<10	57	<10	10	75
GEO '04		1.6	1.50	45	140	<5	1.34	<1	16	56	89	3.14	<10	0.81	578	2	0.02	26	660	24	<5	<20	53	0.08	<10	57	<10	11	75
GEO '04		1.5	1.40	50	140	<5	1.29	<1	16	59	85	2.99	<10	0.77	562	<1	0.02	29	680	22	<5	<20	55	0.06	<10	59	<10	12	74
GEO '04		1.6	1.45	50	135	<5	1.31	<1	18	56	87	3.11	<10	0.78	575	1	0.02	26	770	24	<5	<20	57	0.07	<10	58	<10	10	74
GEO '04		1.6	1.46	55	145	<5	1.50	<1	18	56	88	3.09	<10	0.81	575	<1	0.03	24	780	24	<5	<20	56	0.07	<10	58	<10	14	75

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/jm
df/1519/1522B/1522A/1522C
XLS/04

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ICP CERTIFICATE OF ANALYSIS AK 2004-1529

CHRIS NAAS
16188 Morgan Creek Crescent
Surrey, BC
V3S 0J2

ATTENTION: Chris Naas

No. of samples received: 45
Sample type: Soil
Project #: Not Indicated
Shipment #: Not Indicated
Samples submitted by: Chris Naas

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	MR - 1	0.2	0.68	<5	110	<5	0.22	<1	11	9	123	3.16	<10	0.22	378	10	0.01	14	410	16	<5	<20	15	0.02	<10	26	<10	<1	43
2	MR - 2	<0.2	1.54	25	65	<5	0.03	<1	18	19	156	4.54	<10	0.47	557	5	<0.01	33	530	26	<5	<20	4	<0.01	<10	17	<10	<1	69
3	MR - 3	0.5	0.50	<5	45	<5	0.03	<1	5	6	39	1.87	<10	0.11	323	8	<0.01	8	310	8	<5	<20	1	0.03	<10	23	<10	<1	24
4	MR - 4	0.4	0.81	<5	100	<5	0.14	<1	11	13	94	3.26	<10	0.28	1089	6	<0.01	18	730	18	<5	<20	8	0.02	<10	23	<10	<1	54
5	MR - 5	0.3	1.17	5	50	<5	0.05	<1	14	15	132	3.18	<10	0.42	506	9	<0.01	23	500	20	<5	<20	4	<0.01	<10	20	<10	<1	61
6	MR - 6	0.3	0.96	5	75	<5	0.15	<1	14	12	245	3.17	10	0.30	769	13	<0.01	24	580	22	<5	<20	8	0.01	<10	19	<10	5	72
7	MR - 7	0.3	0.86	<5	95	<5	0.08	<1	10	13	78	3.80	<10	0.29	414	10	<0.01	16	560	16	<5	<20	6	<0.01	<10	25	<10	<1	69
8	MR - 8	<0.2	1.10	<5	45	<5	0.03	<1	11	17	117	4.46	<10	0.41	320	6	<0.01	20	340	20	<5	<20	2	<0.01	<10	22	<10	<1	66
9	MR - 9	0.7	1.03	<5	55	<5	0.06	<1	12	10	87	3.81	<10	0.18	490	5	<0.01	15	410	22	<5	<20	4	0.04	<10	23	<10	<1	51
10	MR - 10	0.5	1.09	<5	40	<5	0.07	<1	9	7	31	3.02	<10	0.22	271	3	0.01	7	580	16	<5	<20	8	0.05	<10	27	<10	<1	26
11	MR - 11	0.2	1.04	10	45	<5	0.07	<1	21	14	166	3.86	10	0.39	830	4	<0.01	34	580	24	<5	<20	4	<0.01	<10	15	<10	<1	82
12	MR - 12	0.2	1.19	10	60	<5	0.07	<1	21	15	199	3.66	30	0.40	537	3	<0.01	38	590	44	<5	<20	5	0.01	<10	16	<10	15	123
13	MR - 13	0.5	1.48	25	55	<5	0.07	<1	34	18	179	5.07	50	0.32	1497	4	<0.01	40	770	84	<5	<20	4	0.01	<10	17	<10	61	103
14	MR - 14	0.4	1.03	<5	55	<5	0.10	<1	11	12	68	2.94	30	0.19	611	3	0.01	17	470	36	<5	<20	7	0.04	<10	18	<10	36	49
15	MR - 15	0.5	1.63	<5	45	<5	0.02	<1	14	18	44	3.32	<10	0.31	887	3	<0.01	17	450	28	<5	<20	2	0.01	<10	23	<10	<1	59
16	MR - 16	0.5	1.28	5	65	<5	0.11	<1	22	13	88	4.65	10	0.28	1650	5	<0.01	25	730	20	<5	<20	4	<0.01	<10	17	<10	3	98
17	MR - 17	0.8	1.50	40	45	<5	0.14	<1	17	13	96	3.98	20	0.24	685	5	<0.01	28	630	94	<5	<20	5	0.02	<10	16	<10	19	99
18	MR - 18	0.7	0.95	20	50	<5	0.08	<1	12	8	63	3.22	<10	0.10	484	11	<0.01	14	430	108	<5	<20	5	0.03	<10	18	<10	2	84
19	MR - 19	0.7	0.56	<5	35	<5	0.07	<1	12	6	28	2.26	<10	0.07	658	2	0.01	6	280	28	<5	<20	5	0.05	<10	22	<10	5	33
20	MR - 20	0.3	2.20	<5	35	<5	0.02	<1	12	12	46	3.65	<10	0.11	1017	3	<0.01	11	640	56	<5	<20	2	0.03	<10	14	<10	<1	67
21	MR - 21	0.5	1.43	<5	65	<5	0.03	<1	36	8	159	9.17	<10	0.13	2681	6	<0.01	32	1200	26	<5	<20	3	<0.01	<10	9	<10	<1	76
22	MR - 22	0.3	0.29	<5	25	<5	0.03	<1	6	5	30	2.75	<10	0.04	214	4	<0.01	7	460	8	<5	<20	1	0.02	<10	21	<10	<1	25
23	MR - 23	0.8	0.57	<5	45	<5	0.04	<1	11	7	44	3.20	<10	0.09	1300	4	0.01	8	410	26	<5	<20	2	0.03	<10	21	<10	<1	38
24	MR - 24	0.7	1.96	5	40	<5	0.03	<1	11	8	50	2.92	<10	0.07	589	3	0.01	8	510	36	<5	<20	2	0.04	<10	15	<10	<1	35
25	MR - 25	0.4	1.24	<5	60	<5	0.04	<1	18	15	111	3.81	<10	0.39	887	7	<0.01	27	650	28	<5	<20	2	<0.01	<10	18	<10	<1	84

CHR[illegible]AS [illegible] CER[illegible]ATE[illegible]NAL[illegible]AK [illegible]529 [illegible] TEC[illegible]BOR[illegible]RY L[illegible]

Et #	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	MR - 26	0.8	2.40	<5	45	<5	0.05	<1	8	9	67	3.66	<10	0.06	451	5	<0.01	10	750	46	<5	<20	3	0.05	<10	12	<10	<1	42
27	MR - 27	0.7	2.14	<5	65	<5	0.08	<1	18	11	100	4.28	<10	0.11	842	5	<0.01	16	1150	32	<5	<20	5	0.02	<10	23	<10	7	82
28	MR - 28	1.4	1.75	<5	70	<5	0.25	<1	22	15	344	3.60	20	0.33	1946	6	0.01	24	980	38	<5	<20	12	0.02	<10	21	<10	65	78
29	MR - 29	0.3	1.47	10	50	<5	0.03	<1	20	10	103	3.76	<10	0.14	825	8	<0.01	18	560	32	<5	<20	3	0.02	<10	15	<10	<1	54
30	MR - 30	0.4	0.70	<5	50	5	0.06	<1	6	6	40	3.18	<10	0.05	320	7	0.01	7	440	20	<5	<20	4	0.06	<10	22	<10	<1	27
31	MR - 31	0.4	0.73	<5	45	<5	0.04	<1	4	6	49	1.72	<10	0.06	171	3	<0.01	5	410	14	<5	<20	3	0.02	<10	21	<10	<1	21
32	MR - 32	0.3	0.83	<5	40	<5	0.03	<1	14	12	120	4.17	<10	0.30	523	9	<0.01	22	620	24	<5	<20	2	<0.01	<10	17	<10	<1	55
33	MR - 33	0.4	1.83	5	80	<5	0.09	<1	12	19	33	3.10	<10	0.25	748	3	<0.01	14	500	28	<5	<20	5	0.02	<10	22	<10	<1	64
34	MR - 34	0.5	1.22	5	55	<5	0.04	<1	23	15	126	4.78	<10	0.43	879	5	<0.01	51	670	38	<5	<20	2	<0.01	<10	14	<10	<1	88
35	MR - 35	0.6	1.15	<5	40	<5	0.02	<1	14	14	59	3.42	<10	0.31	593	3	<0.01	20	500	22	<5	<20	2	0.01	<10	19	<10	<1	62
36	MR - 36	0.4	0.88	25	65	5	0.08	<1	43	14	123	7.06	<10	0.31	786	9	<0.01	60	820	44	<5	<20	6	<0.01	<10	19	<10	<1	106
37	MR - 37	0.3	1.40	20	85	<5	0.18	<1	30	19	102	6.13	<10	0.37	789	9	<0.01	39	710	54	<5	<20	8	<0.01	<10	24	<10	<1	96
38	MR - 38	0.7	1.47	<5	115	<5	0.29	<1	23	19	190	4.11	<10	0.36	1467	6	0.01	47	1130	32	<5	<20	13	<0.01	<10	22	<10	32	93
39	MR - 39	0.5	1.20	<5	90	<5	0.31	<1	17	11	155	5.43	<10	0.12	601	8	0.01	32	550	22	<5	<20	13	0.04	<10	18	<10	<1	89
40	MR - 40	0.7	2.49	<5	85	<5	0.08	<1	76	9	275	9.69	<10	0.05	3433	7	<0.01	44	980	34	<5	<20	6	<0.01	<10	8	<10	<1	70
41	MR - 41	0.3	3.09	10	30	<5	0.06	<1	10	11	22	1.80	<10	0.08	975	2	0.01	8	460	34	<5	<20	3	0.04	<10	<1	<10	5	29
42	MR - 42	<0.2	1.52	<5	40	5	0.02	<1	18	14	47	4.91	<10	0.31	882	4	<0.01	23	420	18	<5	<20	2	0.01	<10	17	<10	<1	57
43	MR - 43	0.2	0.95	<5	55	<5	0.08	<1	20	11	96	4.14	<10	0.31	1283	6	<0.01	31	650	22	<5	<20	4	<0.01	<10	14	<10	<1	67
44	MR - 44	0.5	1.48	<5	65	5	0.09	<1	17	15	53	6.68	<10	0.21	1459	5	<0.01	18	1070	32	<5	<20	6	0.02	<10	15	<10	<1	59
45	MR - 45	0.4	0.76	<5	45	5	0.10	<1	10	7	23	3.46	<10	0.06	951	4	0.01	8	810	22	<5	<20	4	0.04	<10	20	<10	<1	31
QC DATA:																													
Repeat:																													
1	MR - 1	0.2	0.64	<5	105	<5	0.21	<1	9	9	119	3.00	<10	0.20	370	9	<0.01	13	380	14	<5	<20	13	0.02	<10	25	<10	<1	41
10	MR - 10	0.5	1.10	<5	35	<5	0.07	<1	9	6	30	3.08	<10	0.24	274	3	<0.01	6	600	18	<5	<20	6	0.06	<10	30	<10	<1	28
19	MR - 19	0.7	0.56	<5	30	<5	0.07	<1	12	6	27	2.24	<10	0.06	652	3	0.01	7	280	30	<5	<20	4	0.04	<10	21	<10	5	32
28	MR - 28	1.3	1.72	<5	65	<5	0.25	<1	21	15	340	3.64	20	0.32	1929	5	0.01	24	950	38	<5	<20	12	0.02	<10	20	<10	62	78
36	MR - 36	0.5	0.96	20	65	5	0.08	<1	42	16	121	7.49	<10	0.35	768	10	<0.01	61	860	44	<5	<20	5	<0.01	<10	22	<10	<1	111
45	MR - 45	0.4	0.75	<5	40	5	0.09	<1	9	7	21	3.32	<10	0.07	893	4	0.01	9	750	20	<5	<20	4	0.03	<10	18	<10	<1	31
Standard:																													
GEO '04		1.5	1.35	55	140	<5	1.25	<1	15	53	86	2.96	<10	0.74	561	1	0.02	28	730	24	<5	<20	54	0.05	<10	59	<10	10	74
GEO '04		1.5	1.37	55	140	<5	1.29	<1	16	54	86	2.99	<10	0.76	563	<1	0.02	29	750	22	<5	<20	54	0.04	<10	58	<10	11	73

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Jutta Jealouse
B.C. Certified Assayer

JJ/jm/sc
df/1529
XLS/04

APPENDIX III

ROCK SAMPLE DESCRIPTIONS

Sample No	Description	Cu (ppm)
34001	Smoky white quartz with no visible sulphides. Surface weathers brown	322
34002	Grey quartz schist with 2-3% fine-grained diss py. Surface weathers purple brown	111
34003	Massive smoky white quartz with no sulphides visible but weathers brown	28
34004	Grey quartz-mica schist with tr diss py	43
34005	White quartz-mica schist with tr-1% diss py	77
34006	Grey quartz-mica schist with tr fine grained py along fracture surfaces	47
34007	Greenish grey quartz-mica schist with tr-1% fine grained diss py	27
34008	White sugary textured quartz with no visible sulphides	14
34009	Grey quartz schist with tr-1% py	415
34010	White sugar textured quartz with tr py	218
34011	Grey quartz schist with 2-3 fined grained diss py. Sample weathers purple brown	725
34012	Greenish grey quartz-mica schist with 1-2% fine-grained diss py. Surface weathers purple brown	39
34013	Greenish grey quartz-mica schist with 1-2% fine-grained diss py. Surface weathers purple brown	9
34014	White grey quartz-mica schist with tr-1% fine-grained diss py. Surface weathers purple brown	112
34015	Grey quartz schist with tr diss py	142
34016	Smoky white quartz with no visible sulphides. Surface weathers brown	123
34017	Grey quartz schist with tr-1% py	323
34018	Greyish quartz-mica schist with 3-5% fine-grained diss py. A 3mm wide py vein cuts sample	99
34019	Brownish white sugary textured quartz with no visible sulphides but surface weathers brown	26
34020	Grey quartz-mica schist with tr-1% fine grained diss py	37
34021	White sugar textured quartz with tr py	81
34022	White smoky quartz with no visible sulphides but weathers brown	168
34023	Greyish white quartz schist with tr fine grained diss py	43
34024	Greyish quartz-mica schist with tr py	26
34025	Greyish brown quartz-mica schist with tr-1% fine grained diss py	45
34026	Smoky white quartz with tr-1% fined-grained diss py with some py up to 2mm blebs.	312
34027	Grey quartz schist with tr-1% diss py but higher py content along fractures (coatings)	203
34028	Strongly weathered semi-massive sulphide? Some py visible within grey quartz mica schist host rock. Sample weathers to greenish grey gouge material	398
34029	Strongly weathered semi-massive sulphide? Some py visible within grey quartz mica schist host rock. Sample weathers to greenish grey gouge material	1067
34030	Grey quartz-mica schist with tr-1% fine grained diss py	581
34031	Greyish brown quartz with tr-1% fine grained diss py	179
34032	Brown quartz-carbonate with tr-1% fine grained diss py	66
34033	Greyish quartz-mica schist with tr fine grained diss py	77
34034	White quartz schist with tr py	110
34035	Greenish grey quartz-mica schist with tr-1% fine grained diss py with some py	85
34036	Greenish grey quartz-mica schist with 1-2% fine grained diss py with some py to 2mm blebs	120
34037	Greyish quartz-mica schist with tr fine grained diss py	66
34038	Grey quartz schist, granular in texture with tr fine grained diss py	549

Sample No	Description	Cu (ppm)
34039	Greyish sugary textured quartz with no visible sulphides. Surface weathers brown	175
34040	Grey quartz-mica schist, Sample is completely weathered to a purple brown colour. No visible sulphides	355
34041	Greyish white quartz -mica schist with tr-1% fine grained diss py	191
34042	Greyish sugary textured quartz with no visible sulphides. Surface weathers brown	81
34043	Greyish white quartz-mica schist. Weathered py? gives 1mm brown banding	452
34044	Massive smoky white quartz with no visible sulphides but surface weathers brown	15
34045	White quartz schist with tr-1% fine-grained diss py. A 1cm wide smoky white quartz vein cuts sample containing no sulphides	404
34046	White quartz schist with tr-1% fine-grained diss py. Weathered py? Creates brown 1mm banding	1119
34047	Smoky white quartz with no visible sulphides but surface weathers brown	23
34048	White quartz schist with tr-1% fine grained diss py	768
34049	White massive quartz with tr-1% fine-grained diss py. Some py up to 1mm in size	1264
34050	White smoky quartz with no visible sulphides but weathers brown	15
34051	White quartz schist with 1-2% fine grained py	613
34052	Meta granite? Some foliation to quartz-feldspar and mica. Tr-1% py with some py up to 1mm in size	226
34053	Grey quartz-mica schist with tr fine grained diss py	202
34054	Grey quartz-mica schist with tr py	66
34055	Grey quartz-mica schist with tr py	36
34056	Grey quartz-mica schist with tr-1% fine-grained diss. py. Weathers brown	90
34057	Massive quartz-carbonate with areas of some schistosity. Contains 3-5% diss py + minor cpy with sulphides also along fracture surfaces	732
34058	Greyish brown massive quartz schist with 1-2% diss py and with some py along facture surfaces	75
34059	Dark grey argillite with no sulphides but weathers patchy brown.	57
34060	Grey quartz-mica schist with tr py	413
34061	Greenish white quartz-mica schist with tr py	38
34062	Dark grey argillite with no sulphides but weathers patchy brown.	47
34063	Smoky white massive quartz with tr py. Sample weathers brown	32
34064	Greyish green quartz-mica schist with tr-1% fine-grained diss py. Surface weathers purple brown	407
34065	Grey quartz schist with tr-1% fine grained diss py	28
34066	Grey quartz schist with tr-1% py +- cpy? Sulphides visible along fracture surfaces as coatings	101
34067	Greyish green quartz-mica schist with tr-1% fine grained diss py	56
34068	Strongly weathered sample. Dark brown in colour. Quartz clasts visible but original rock appears to have been massive sulphide? 5-6% cpy with minor malachite staining.	4.71%
34069	White to grey quartz schist with tr-1% fine grained py+- cpy	4624
34070	Grey quartz-mica schist. Granular in texture with tr py	32
34071	Strongly weathered white sugary textured quartz with 1-2% fine-grained diss. py +- cpy. Surface weathered brown. Sample contains vugs up to 3mm in size	2041
34072	Grey quartz-mica schist with tr-1% fine-grained diss. py. Weathers brown	2122
34073	Greyish quartz-mica schist containing tr-1% py. Some py up to 1mm in size	374
34074	White sugary textured quartz with 1% py +-cpy. Sulphides range from fine-grained diss. to 2mm blebs. Surface weathers brown	267

Sample No	Description	Cu (ppm)
34075	Smokey white quartz, which weathers dark brown. No visible sulphides	322
34076	White quartz-carbonate. Qtz is clear and sugary textured in places. Surface weathers brown. Tr-1% py with rare py up to 2mm in size	364
34077	White massive granular textured quartz weathering brown on surface. No visible sulphides	17
34078	Grey quartz-mica schist with 1-2% py. Some py in bands (1mm thick to 5mm long).	173
34079	Greenish grey quartz-mica schist with tr-1% fine grained diss py	81
34080	Grey quartz-mica schist with tr-1% fine-grained diss. py. Weathers brown	501
34081	White sugary textured quartz with 1-2mm brown banding (weathered py?). 2-3% fine-grained diss. py with some up to 3mm blebs or in bands. Minor po or magnetite.	249
34082	Granular smoky white quartz with 1% py up to 2mm in size. Minor green mica associated with muscovite along edges	357
34083	Grey quartz schist with tr-1% fine grained diss py	336
34084	White granular quartz weathering to a light brown colour. Contains 4-5% fine to med. grained diss. py.	250
34085	White quartz-carbonate with black specs/bands throughout sample. Tr py	322
34086	Smoky white granular quartz with 1tr-% fine grained diss py	187
34087	Smoky white granular quartz with 1% fine grained diss py	272
34088	White quartz schist with black bandings. Weathers purple brown. 2-3% py +- cpy	1443
34089	Quartz-mica schist strongly foliated. Entire sample weathered light brown. No visible sulphides (weathered?)	71
34090	Greyish quartz-mica schist containing tr-1% py. Some py up to 1mm in size	69
34091	Grey quartz-mica schist with tr-1% fine-grained diss. py. Weathers brown	42
34092	Grey quartz schist with strongly weathered sulphides? Some areas appear as white powdery in texture. Tr-1% py visible	22
34093	Quartz-mica schist with tr-1% py. Surface weathered brown	25
34094	Greyish quartz-mica schist, which weathers brown. Tr-1% py. Some py up to 2mm in size	20
34095	Dark brown strongly banded quartz-mica schist with 1-2% fine-grained diss py. Minor py to 3mm in size	16
34096	Sugary textured quartz with no visible sulphides but surface weathered brown	33
34097	Greyish quartz with minor dark grey carbonate? Bands. Tr-1% fined grained diss py	16
34098	Quartz-mica schist with tr-1% py. Surface weathered brown	70
34099	Greyish limestone whish weathers brown. No visible sulphides	88
34100	Light brown quartz schist with tr-1% fine grained diss py	98
5054	Smoky white quartz with 1% py along fracture and fine-grained diss py.	52