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COMMERCE RESOURCES CORP.

**2006 EXPLORATION
AT THE CARBO PROPERTY**

EAST OF BEAR LAKE, BRITISH COLUMBIA
(CARIBOO MINING DIVISION)

MINERAL TENURES

515430(Carbo1), 515432(Carbo2), 515433(Carbo3)

Geographic Coordinates

54° 30' N
120° 03' W

NTS Sheet 93J 08, 93J 09

Owner/Operator: Commerce Resources Corp.
600, 789 West Pender Street
Vancouver, B.C. V6C 1H2

Consultant: Dahrouge Geological Consulting Ltd.
18, 10509 - 81 Avenue
Edmonton, Alberta T6E 1X7

Author: Michael Guo, P.Geol.
Jody Dahrouge, P.Geol

Date Submitted: 2006 09 14

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

28,528

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1.

INTRODUCTION

The Carbo Property encompasses a series of Niobium and rare earth element bearing carbonatites and syenites, located about 80 km northeast of Prince George and 50 km east of Bear Lake, British Columbia. Commerce Resources Corporation acquired the current claims, Carbo1, Carbo2 and Carbo3, during 2005.

Teck Corporation conducted geochemical and geophysical surveys in 1986 and 1987, no further work was conducted, and the property was subsequently dropped. During 2006, Dahrouge Geological Consulting Ltd., on behalf of Commerce Resources Corp, conducted fieldwork between May 30, 2006 and June 16, 2006. The exploration included the collection of 291 soil samples, 40 rock samples, and 12.5km geophysical surveys.

Throughout this report, attitudes of bedding and other planar features are given as A°/B° SW, where A° is the azimuth of the strike and B° is the amount of dip in the direction indicated. A magnetic declination of $19^{\circ}48'$ was used.

1.1 GEOGRAPHIC SETTING

1.1.1 Location and Access

The Carbo Property is located southeast of Whicheeda lake between Wicheika Creek and Parsnip River, 80 km northeast of Prince George and 50 km east of Bear Lake, British Columbia. Most of the property is within NTS map area 93J/08, only a small part of claim Carbo3 lies within 93J/09 (Fig. 1, Fig. 2). The property is centered at approximately $54^{\circ} 30'$ N latitude and $120^{\circ} 03'$ W longitude.

Bear Lake is accessible from B.C. Highway 97 (Fig. 1), and the property can be reached from Bear Lake along local 700 gravel road which branches from Highway 97 at the town. Trails and logging roads provide access to the northeast and southwest edges of the property. The main line of the Canadian National Railway passes through Bear Lake which is 50 km away from the property. Limited supplies and accommodations are available at Bear Lake.

1.1.2 Topography, Vegetation and Climate

The Carbo Property is between 900 m and 1520 m elevation above sea level. Slopes are moderately steep and typically covered by thick undergrowth consisting of buck brush and devil's club at lower elevations. Areas along the ridge are covered by alder and white pine.

1.2 PROPERTY

The Carbo Property is held 100 percent by Commerce Resources Corp and encompasses about 11.26 sq. km, situated within Cariboo Mining Division (Fig. 2; Table 1.1). Throughout this

report the term Carbo Property refers to the 3 mineral claims, Carbo1(515430), Carbo2(515432) and Carbo3(515433)

Table 1.1: List of Mineral Claims

Tenure Number	Claim Name	Map Number	Good To Date	Mining Division	Area (ha)
515430	Carbo1	093J060	2012/DEC/31	CARIBOO	469.205
515432	Carbo2	093J060	2012/DEC/31	CARIBOO	469.402
515433	Carbo3	093J060/059	2012/DEC/31	CARIBOO	187.827

1.3 HISTORY AND PREVIOUS INVESTIGATIONS

In 1961, the Geophysics Division of the Geological Survey of Canada completed a 1:63360 scale aeromagnetic survey across parts of BC. At the Carbo claims, the result shows a significant magnetic anomaly (GSC, Geophysics Paper 1546, 1964). In 1976 and 1977 Kol Lovang prospected the area and staked two claims on minor base metal showings, but no follow-up was reported and the claims were permitted to lapse. Later assaying of Lovang's samples by Teck Corporation indicated anomalous niobium values (Betmanis A.I., 1987). During 1986 and 1987, Teck Corporation conducted an exploration program at the Carbo Property and adjacent area. The exploration included a stream silt geochemical survey, geological mapping, geochemical soil sampling, a magnetic survey and limited trenching. The exploration located the main carbonatitic and syenitic intrusions with high niobium concentration and REE anomalies. In 1987, Urs K. Mader conducted a field survey which focused on the carbonatites and related rocks. They presented a more detailed description and map of the carbonatites.

1.4 PURPOSE

The exploration described herein, including soil geochemistry sampling, rock sampling, and a magnetometer and scintilometer survey, was used to locate areas anomalous in Nd and REEs. Some carbonatite and syenite outcrops in existing anomalous area were located and sampled.

1.5 SUMMARY

Historic exploration data for the property were compiled prior to initialling the field exploration program. Based on the historic information, soil sampling, scintilometer and magnetometer survey were planned. A baseline, about 8.3 km long, was located at azimuth 307°(Fig. 2). About 44.4 km of Cross-lines were 150 m spacing with station intervals marked at 50 meters. Soil samples were collected every 50 meter throughout the grid. Magnetometer and schintilometer

readings were collected at 12.5 m intervals. 291 soil samples, 12.5 km of scintilometer and magnetometer surveys and 40 rock samples were collected during the 2006 exploration program.

2. REGIONAL GEOLOGY

According to the geological map of the McLeod Lake Area (GSC Map 1204A) and the 1:250,000 BC Digital Geological Map (Version 1.0, 2005), the property and adjacent area are mainly underlain by upper Cambrian and lower Ordovician Kechika group limestone, marble, slate siltstone, argillite and other calcareous sediments. Generally, lithological attitudes strike in 120° to 140° with steep dips to both east and west. Several faults have been mapped, and generally parallel to Wicheika Creek (40° /50° NW). One fault in the area strikes northeastly and later than the northwesterly faults (Fig. 3).

3. PROPERTY GEOLOGY

During 1986, geology in parts of the property (much of the Carbo2 and Carbo3) was mapped by Teck Corporation at a scale of 1:5000. Property geology, as described below, is from Betmanis (1987).

3.1 STRATIGRAPHY, STRUCTURE AND LITHOLOGY

The Carbo2 and Carbo3 properties are underlain by interbedded limestone with calcareous argillites and phyllites. The lithologies to the northeast are mainly massive white limestones interbedded with less massive and thinner bedded medium to dark-grey limestone. Towards the southwest, the limestone units become more silty. Lithologies in southwest part of the property are interbedded, light-grey, calcareous argillites and weakly calcareous phyllites. The argillites and phyllites are locally ferruginous.

Several dike or sill-like alkaline intrusions were identified by Teck Corporation (Betmanis, A.I. 1987) (Fig.4). The intrusions are carbonatitic or syenitic and varying composition and thickness. One intrusive was traced intermittently by float and outcrop for a distance 2700 metres (Betmanis, A.I,1987). The alkaline intrusions are coarse-to medium-grained, generally quartz free, and contain feldspar, carbonate, pyroxene and micas. Pyrite is a common accessory mineral. Fine-grained pyrochlore as a minor accessory mineral has been identified by scanning electron microanalysis (Betmanis, A.I 1987)

Several faults were identified by the displacement of sediment beds, and by drainage

patterns and local depressions in topography. The faults are moderate to steep.

3.2 MINERALIZATION

The host rocks to the mineral occurrences on the Carbo Property are carbonatites and syenites. Historic samples collected from surface outcrops have returned an average values of 0.1% Nb₂O₅, and samples from pit-5 to pit-6 returned up to 0.95% Nb₂O₅. It indicates that the better grades are from sections of the intrusive with fine-grained, black gouge or whitish clay on fractures (Betmanis, 1987).

4. 2006 EXPLORATION

4.1 SOIL SAMPLING

In total 291 soil samples were collected at 50 meter stations on the 150 m interval grid lines (Fig. 5). All samples were from B layer and depth ranges from 0.1 to 1 m, but most of the samples are between 0.2 to 0.5 m in depth. Sample locations and descriptions are contained in Appendix 2.

All samples were analyzed at Acme Laboratories, Vancouver using Group 4B (Full Suite): rare earth and refractory elements are determined by ICP mass spectrometer following a lithium metaborate/ tetraborate fusion and nitric acid digestion of a 0.2 g sample. In addition a separate 0.5 g split is digested in aqua regia and analysed by ICP-Mass spectrometer to report precious and base metals (Appendix 4). Repeat analyses were completed for random samples as well as, the periodic analyses of a standard.

Soil geochemistry maps (Figs. 6 to 12) were prepared for Nb, Ce, Sr, Ba, Au, Cu and Zn. Previous work indicates that anomalous niobium soil values are closely related to the location of underlying carbonatite, and indicated very little lateral dispersion in soils (Betmanis, A.I, 1987). The Nb anomaly suggests there are some potential carbonatitic or syenitic intrusions in the anomalous area (Fig. 6).

Barium moderately correlates with Niobium, but is generally widely dispersed than Niobium. Cerium and Strontium only partially correlate with Niobium.

One sample from Carbo1 property shows a strong anomalous Au value (1,739.9 ppb) (Fig. 10), while thorium and Barium also give high value.

4.2 ROCK SAMPLES

A total of 40 rock samples from intrusive outcrops, bedrock and float were collected during

the exploration (Fig.5.)

All rock samples were analyzed at Acme Laboratories, Vancouver using Group 4B(Full Suite) and Group A: analysis method for Group B is same as the method of analyzing soil sample, for Group 4A 0.2 g sample analysed by ICP-emission spectrometry following a lithium metaborate/tetraborate fusion and dilute nitric digestion. Results are in Appendix 2.

Thirty-six alkaline intrusive rocks contain high REE and Niobium concentrations. Total REE +Y are between 111.28 to 4672.57 ppm, and average is 1741.84 ppm. Niobium contents range from 2.9 to 3257.5 ppm with an average value of 708.72 ppm.

4.3 GEOPHYSICAL SURVEYS

A total of 15 Km of Scintillometer and Magnetometer surveys were completed at 12.5 meter stations on the 150 m interval grid lines. A GR-110G/E portable Gamma Ray Scintillometer and GSM-19 Overhauser Magnetometer were used for surveys.

Moderately radioactive highs are indicated in Carbo1 claim, with the highest readings up to 833 cps (Fig. 13). The elevated radioactivity moderately correlates with Niobium.

Magnetic anomalies do not appear to correlated with the Niobium in soils (Fig. 14).

5. DISCUSSION AND CONCLUSIONS

Exploration conducted during 2006 confirms the niobium mineralization and high REE concentration of carbonatite, syenite and related alkaline rocks in the property. Carbonatites varies from almost pure white carbonatite to black pyroxenite-rich carbonatite.

Previous work indicated that the niobium-bearing mineral is pyrochlore and is generally <0.3 mm in size (Betmanis, A.I,1987, Mader 1988). Pyrochlore content may have strong correlation with the elevated gamma activity, therefore, areas of higher scintillometer readings may indicate high niobium carbonatite location.

Other soil geochemical anomalies and magnetic anomalies may indicate the presence of carbonatite or alkaline intrusions..

Further work including trenching or drilling may be required to asses the areas with high Niobium, and REE's in soils. The location of one soil sample with 1739.9 ppb Au content should also be investigated.

2006 08 04

Michael Guo., P.Geol.

Edmonton, Alberta

REFERENCES**6.**

GSC, (1964), Geophysics paper 1546. Aeromagnetic Series, Hominka River, B.C.

GSC, (1969), Map 1204A, McLeod Lake, British Columbia.

Betmanis, A. I. (1987). Report on Geological, Geochemical and Magnetometer Surveys on the Prince and George Groups, Cariboo Mining Division, B.C.; B.C. Min. Energy, Mines Petr. Res. Ass. Rept. 15944,

Meyer, W. (1988). Report on Treching, Stream Silt Concentrate and Soil Sampling on the George Group, Cariboo Mining Division, B.C.; Min. Energy, Mines Petr. Res. Ass. Rept. 16264,

Mader U.K. and Greenwood H.(1988) Carbonatites and Related Rocks of the Prince and George Claims, Northern Rocky Mountains. B.C. Ministry of Energy, Mines and Petroleum Resources, Geological Fieldwork 1987, Paper 1988-1, Pages 375-380

Jennifer Pell, (1994). Carbonatites, Nepheline Syenites, Kimberlites and Related Rocks in British Columbia. B.C. Ministry of Energy, Mines and Petroleum Resources, Bulletin 88, Pages 11-14

APPENDIX 1
ITEMIZED COST STATEMENT

APPENDIX 1: ITEMIZED COST STATEMENT

a) Personnel

J. Dahrouge, geologist

0.40 days project planning and supervision

0.00 days

0.40 days @ \$ 604.55 \$ 241.82

C. Davis, geologist

0.30 days order reports, review geology

0.00 days

0.30 days @ \$ 588.50 \$ 176.55

M. Guo, geologist

5.30 days compile project data, preparations, reporting, other

20.00 days field work and travel between May 29 to 31, June 1 to 17

25.30 days @ \$ 508.25 \$ 12,858.73

A. Rukhlov, geologist

0.20 days prepare for field

20.00 days field work and travel between May 29 to 31, June 1 to 17

20.20 days @ \$ 481.50 \$ 9,726.30

A. Blinova, geologist

3.10 days compile project data, preparations, reporting, other

20.00 days field work and travel between May 29 to 31, June 1 to 17

23.10 days @ \$ 385.20 \$ 8,898.12

W. McGuire, field assistant and draftsman

1.20 days preparing and plotting figures and maps, other

1.20 days @ \$ 476.15 \$ 571.38

B. Partridge, assistant

21.00 days field work and travel between May 28 to 31, June 1 to 17

21.00 days @ \$ 363.80 \$ 7,639.80

\$ 40,112.70

b) Food and Accommodation

81 man-days @ \$ 19.40 accommodations \$ 1,571.30

81 man-days @ \$ 44.00 groceries and meals \$ 3,564.00

\$ 5,135.30

c) Transportation

Vehicles:

Rental for 4x4 Truck

- May 29 to 31, June 1 to 17 \$ 2,200.00

Rental for SUV

- May 29 to 31, June 1 to 17 \$ 2,200.00

Fuel \$ 330.00

\$ 4,730.00

d) Instrument Rental

Scintillometer (\$25/day) \$ 500.00

Magnetometer and Base Station (\$100/day) \$ 2,000.00

\$ 2,500.00

e) Drilling

f) Analyses

Acme Analytical Laboratories Ltd.

- 291 soil samples (\$24 per sample)

\$ 6,984.00

- 14 rock samples (\$35 per sample)

\$ 490.00

\$ 7,474.00

g) Report

Reproductions and assembly

\$ 49.50

\$ 49.50

h) Other

Courier and Shipping

\$ 82.50

Field Equipment and Supplies

\$ 82.50

Licences and Permits

\$ -

Long distance telephone

\$ 19.76

Maps

\$ -

Software and Digital Data

\$ 119.47

Reports

\$ 113.12

Plots

\$ 176.55

\$ 593.90

Total

\$ 60,595.39

APPENDIX 2
LOCATION OF SOIL SAMPLES

Appendix 2 Locations of 2006 Soil Samples

Sample Number	Line Number	Station Number	UTM NAD83		Depth Meter	Wetness 1(dry)-5(wet)	Colour	Clusts characteristics	
			Easting	Northing				Sorting	Abundance
24051	2850	0	559674	6043570	0.3	2	light brown	poor	abundant
24052	2850	50	559674	6043520	0.25	2	yellow	poor	rare
24053	2850	100	559674	6043470	0.35	1	yellow-brown	poor	abundant
24054	2850	150	559674	6043420	0.45	2	light brown	poor	abundant
24055	2850	200	559674	6043370	0.3	3	yellow	poor	common
24056	2850	250	559674	6043320	0.15	2	red-yellow	very poor	abundant
24057	2850	300	559674	6043270	0.4	2	yellow-brown	very poor	abundant
24058	2850	350	559674	6043220	0.45	2	yellow-brown	very poor	abundant
24059	2850	400	559674	6043170	0.35	4	chocolate brown	very poor	abundant
24060	2850	450	559674	6043120	0.3	2	dark brown	poor	common
24061	2850	500	559674	6043070	0.25	2	yellow	poor	common
24062	2850	550	559674	6043020	0.45	2	yellow	very poor	abundant
24063	2850	600	559674	6042970	0.35	2	yellowish brown	very poor	abundant
24064	2850	650	559674	6042920	0.5	2	cacao brown	poor	common
24065	2850	700	559674	6042870	0.45	2	yellow	poor	abundant
24066	2850	750	559674	6042820	0.4	2	yellow-grey	poor	rare
24067	2850	800	559674	6042770	0.45	1	yellow	poor	abundant
24068	2850	850	559674	6042720	0.2	2	dark brown	very poor	abundant
24069	2850	900	559674	6042670	0.2	2	yellow	poor	common
24070	2850	950	559674	6042620	0.35	1	yellow-brown	very poor	abundant
24071	2850	1000	559674	6042570	0.3	2	cacao brown	very poor	abundant
24072	3000	1050	559824	6042520	0.25	1	yellowish-brown	poor	abundant
24073	3000	1000	559824	6042570	0.15	1	yellow	moderate	none
24074	3000	950	559824	6042620	0.4	1	grey-yellow	very poor	abundant
24075	3000	900	559824	6042670	0.1	1	yellow-brown	very poor	abundant
24076	4200	-100	561024	6043670	0.3	2	cacao brown	very poor	abundant
24077	4200	-50	561024	6043620	0.3	1	cacao brown	poor	common
24078	4200	0	561024	6043570	0.2	1	tan-yellowish	poor	abundant
24079	4200	50	561024	6043520	0.4	1	reddish-light brown	poor	abundant
24080	4200	100	561024	6043470	0.25	1	yellowish brown	very poor	abundant
24081	4200	150	561024	6043420	0.45	1	yellow	poor	abundant
24082	4200	200	561024	6043370	0.35	1	cacao brown	poor	common
24083	4200	250	561024	6043320	0.45	1	light brown	very poor	abundant

Sample Number	Line Number	Station Number	UTM NAD83		Depth Meter	Wetness 1(dry)-5(wet)	Colour	Clusts characteristics	
			Easting	Northing				Sorting	Abundance
24084	4200	300	561024	6043270	0.25	1	dark brown	very poor	abundant
24085	4200	350	561024	6043220	0.7	1	yellow	very poor	abundant
24086	4200	400	561024	6043170	0.35	2	yellowish brown	very poor	abundant
24087	4200	450	561024	6043120	0.15	1	chocolate brown	very poor	abundant
24088	4200	500	561024	6043070	0.25	1	yellow	moderate	common
24089	4200	550	561024	6043020	0.3	2	yellowish brown	very poor	abundant
24090	4200	600	561024	6042970	0.4	5	yellow	poor	common
24091	4200	650	561024	6042920	0.4	3	light brown	very poor	abundant
24092	4200	700	561024	6042870	0.3	1	reddish brown-yellow	poor	common
24093	4200	750	561024	6042820	0.45	1	yellow-grey	very poor	abundant
24094	4200	800	561024	6042770	0.3	3	dark chocolate brown	very poor	abundant
24095	4200	850	561024	6042720	0.15	1	chocolate brown	very poor	abundant
24096	4200	900	561024	6042670	0.25	1	light reddish-brown	very poor	abundant
24097	4200	950	561024	6042620	0.4	2	yellow	very poor	abundant
24098	4200	1000	561024	6042570	0.15	1	cacao brown	poor	abundant
24099	3000	0	559824	6043570	0.45	2	-	poor	abundant
24100	3000	50	559824	6043520	0.4	1	yellow	poor	abundant
24101	3000	100	559824	6043470	0.4	1	yellow	poor	abundant
24102	3000	150	559824	6043420	0.5	1	tan-yellowish	very poor	abundant
24103	3000	200	559824	6043370	0.55	1	yellow	poor	abundant
24104	3000	250	559824	6043320	0.4	2	yellow	very poor	abundant
24105	3000	300	559824	6043270	0.45	1	yellow	poor	abundant
24106	3000	350	559824	6043220	0.6	1	chocolate brown	poor	abundant
24107	3000	400	559824	6043170	0.65	1	yellow	very poor	abundant
24108	3000	450	559824	6043120	0.45	1	yellow	poor	abundant
24109	3000	500	559824	6043070	0.35	1	yellow brownish	poor	common
24110	3000	550	559824	6043020	0.55	2	greyish yellow	poor	common
24111	3000	600	559824	6042970	0.4	1	dark red-brown	poor	rare
24112	3000	650	559824	6042920	0.7	1	black	moderate	common
24113	3000	700	559824	6042870	0.65	1	yellow	very poor	abundant
24114	3000	750	559824	6042820	0.45	1	yellow	poor	abundant
24115	3000	800	559824	6042770	0.5	1	orange yellow	poor	rare
24116	3000	850	559824	6042720	0.4	1	brownish yellow	poor	common
24117	4950	1350	561774	6042220	0.5	1	light yellow brown	very poor	abundant
24118	4950	1400	561774	6042170	0.3	1	orange yellow	poor	-

Sample Number	Line Number	Station Number	UTM NAD83		Depth Meter	Wetness 1(dry)-5(wet)	Colour	Clusts characteristics	
			Easting	Northing				Sorting	Abundance
24119	4950	1450	561774	6042120	0.45	1	reddish brown	poor	common
24120	4950	1500	561774	6042070	0.35	1	greyish yellow	poor	rare
24121	4950	1550	561774	6042020	0.4	1	light yellowish grey	poor	common
24122	4950	1600	561774	6041970	0.35	3	yellowish-light grey	very poor	abundant
24123	4950	1650	561774	6041920	0.3	2	yellowish grey	very poor	abundant
24124	3150	-350	559974	6043920	0.45	1	yellow	very poor	abundant
24125	3150	-300	559974	6043870	0.3	1	light tan brown	very poor	abundant
24126	3150	-250	559974	6043820	0.35	1	yellow	very poor	abundant
24127	3150	-200	559974	6043770	0.25	1	orange yellow	very poor	abundant
24128	3150	-150	559974	6043720	0.35	1	yellow brownish	poor	abundant
24129	3150	-100	559974	6043670	0.15	1	yellow	very poor	abundant
24130	3150	-50	559974	6043620	0.35	1	brownish yellow	poor	common
24131	3150	0	559974	6043570	0.5	1	yellow	very poor	abundant
24132	3150	50	559974	6043520	0.25	1	brownish yellow	very poor	abundant
24133	3150	100	559974	6043470	0.5	2	light yellow brown	poor	common
24134	3150	150	559974	6043420	0.7	1	brownish yellow	poor	abundant
24135	3150	200	559974	6043370	0.55	1	light yellow brown	poor	abundant
24136	3150	250	559974	6043320	0.35	1	light reddish-brown	poor	common
24137	3150	300	559974	6043270	0.3	1	light tan brown	very poor	abundant
24138	3150	350	559974	6043220	0.6	1	yellow-orange	very poor	common
24139	3150	400	559974	6043170	0.25	1	yellow brownish	poor	common
24140	3150	450	559974	6043120	0.2	1	chocolate brown	poor	abundant
24141	3150	500	559974	6043070	0.45	1	orange yellow	poor	abundant
24142	3150	550	559974	6043020	0.5	1	cacao brown	poor	abundant
24143	3150	600	559974	6042970	0.4	1	orange brown	poor	abundant
24144	3150	650	559974	6042920	0.5	3	chocolate brown	poor	common
24145	3150	700	559974	6042870	0.4	1	yellow	poor	abundant
24146	3150	750	559974	6042820	0.35	4	yellow	poor	rare
24147	3150	800	559974	6042770	0.15	1	cacao brown	poor	abundant
24148	3150	850	559974	6042720	0.4	5	yellow	poor	rare
24149	3150	900	559974	6042670	0.35	1	dark yellow	poor	abundant
24150	3150	950	559974	6042620	0.4	1	yellow	very poor	abundant
24151	3300	-200	560124	6043770	0.4	1	orange yellow	very poor	abundant
24152	3300	-150	560124	6043720	0.45	1	orange yellow	poor	abundant
24153	3300	-100	560124	6043670	0.45	1	yellow-orange	poor	abundant

Sample Number	Line Number	Station Number	UTM NAD83		Depth Meter	Wetness 1(dry)-5(wet)	Colour	Clusts characteristics	
			Easting	Northing				Sorting	Abundance
24154	3300	-50	560124	6043620	0.35	1	orange yellow	very poor	abundant
24155	3300	0	560124	6043570	0.35	1	yellow-orange	poor	abundant
24156	3300	50	560124	6043520	0.4	1	light reddish-brown	poor	abundant
24157	3300	100	560124	6043470	0.25	1	light orange-brown	very poor	abundant
24158	3300	150	560124	6043420	0.1	1	light orange-brown	very poor	abundant
24159	3300	200	560124	6043370	0.35	1	light yellowish brown	very poor	abundant
24160	3300	250	560124	6043320	0.7	1	dark chocolate brown	poor	common
24161	3300	300	560124	6043270	0.8	1	light reddish-brown	poor	abundant
24162	3300	350	560124	6043220	0.4	1	orange yellow	poor	common
24163	3300	400	560124	6043170	0.25	1	cacao brown	very poor	abundant
24164	3300	450	560124	6043120	0.35	1	light brownish yellow	poor	abundant
24165	3300	500	560124	6043070	0.25	1	orange-brown	very poor	abundant
24166	3300	550	560124	6043020	0.7	1	brownish yellow	poor	abundant
24167	3300	600	560124	6042970	0.5	1	greyish yellow	poor	abundant
24168	3300	650	560124	6042920	0.55	1	dark orange	poor	abundant
24169	3300	700	560124	6042870	0.65	1	dark yellowish grey	poor	rare
24170	3300	750	560124	6042820	0.65	1	greyish yellow	poor	common
24171	3300	800	560124	6042770	0.6	1	brownish yellow	poor	rare
24172	3300	850	560124	6042720	0.25	1	cacao brown	very poor	abundant
24173	3300	900	560124	6042670	0.35	1	light yellowish brown	very poor	abundant
24174	3300	950	560124	6042620	0.35	1	orange	poor	common
24175	3300	1000	560124	6042570	0.65	2	orang	very poor	abundant
24176	3000	-50	559824	6043620	0.5	1	yellow	very poor	abundant
24177	3000	-100	559824	6043670	0.5	1	orange-yellow	very poor	abundant
24178	3000	-150	559824	6043720	0.1	1	light pale grey	very poor	abundant
24179	3000	-200	559824	6043770	0.8	1	llowish chocolate brov	very poor	abundant
24180	3000	-250	559824	6043820	0.7	1	greyish yellow	very poor	abundant
24181	3000	-300	559824	6043870	0.4	1	orange brown	very poor	abundant
24182	3000	-350	559824	6043920	0.35	1	orange yellow	very poor	abundant
24183	3000	-400	559824	6043970	0.4	1	dark orange	poor	common
24184	3450	-100	560274	6043670	0.4	1	light cacao brown	very poor	abundant
24185	3450	-50	560274	6043620	0.35	1	dark orange brown	poor	common
24186	3450	0	560274	6043570	0.7	1	light orange-brown	poor	common
24187	3450	50	560274	6043520	0.4	1	dark orange	poor	rare
24188	3450	100	560274	6043470	0.2	1	light chocolate brown	very poor	abundant

Sample Number	Line Number	Station Number	UTM NAD83		Depth Meter	Wetness 1(dry)-5(wet)	Colour	Clusts characteristics	
			Easting	Northing				Sorting	Abundance
24189	3450	150	560274	6043420	0.35	1	greyish yellow	poor	common
24190	3450	200	560274	6043370	0.25	1	dark chocolate brown	very poor	abundant
24191	3450	250	560274	6043320	0.2	1	orange-yellow	very poor	abundant
24192	3450	300	560274	6043270	0.35	1	light yellowish brown	poor	rare
24193	3450	350	560274	6043220	0.4	1	dark orange brown	poor	common
24194	3450	400	560274	6043170	0.4	1	dark chocolate brown	very poor	abundant
24195	3450	450	560274	6043120	0.25	1	yellow brownish	poor	rare
24196	3450	500	560274	6043070	0.4	1	greyish dark yellow	very poor	abundant
24197	3450	550	560274	6043020	0.45	1	brownish yellow	poor	common
24198	3450	600	560274	6042970	0.45	1	yellowish brown	poor	-
24199	3450	650	560274	6042920	0.35	1	cacao brown	very poor	abundant
24200	3450	700	560274	6042870	0.55	1	light yellow-brown	poor	abundant
24201	3450	750	560274	6042820	0.45	1	reddish yellow	poor	abundant
24202	3450	800	560274	6042770	0.5	1	dark orange	poor	common
24203	3450	850	560274	6042720	0.45	1	light yellowish brown	poor	abundant
24204	3450	900	560274	6042670	0.5	1	orange brown	poor	rare
24205	3450	950	560274	6042620	0.5	1	reyish chocolate brow	very poor	abundant
24206	3450	1000	560274	6042570	0.4	1	orange brown	poor	abundant
24207	3600	0	560424	6043570	0.4	1	yellow	poor	common
24208	3600	50	560424	6043520	0.4	1	yellow	poor	common
24209	3600	100	560424	6043470	0.4	1	yellow brownish	poor	abundant
24210	3600	150	560424	6043420	0.45	1	brown	poor	abundant
24211	3600	200	560424	6043370	0.35	1	brown	poor	abundant
24212	3600	250	560424	6043320	0.4	1	brown	poor	abundant
24213	3600	300	560424	6043270	0.3	1	reddish brown	poor	abundant
24214	3600	350	560424	6043220	0.4	1	-	poor	abundant
24215	3600	400	560424	6043170	0.2	1	brown	poor	abundant
24216	3600	450	560424	6043120	0.5	1	brown	poor	abundant
24217	3600	500	560424	6043070	0.2	1	brown	poor	rare
24218	3600	550	560424	6043020	0.25	1	yellow	poor	common
24219	3600	600	560424	6042970	0.4	1	brown	poor	common
24220	3600	650	560424	6042920	0.3	1	brown	poor	abundant
24221	3600	700	560424	6042870	0.3	1	brown	poor	abundant
24222	3600	750	560424	6042820	0.4	1	brown	poor	abundant
24223	3600	800	560424	6042770	1	1	brown	poor	abundant

Sample Number	Line Number	Station Number	UTM NAD83		Depth Meter	Wetness 1(dry)-5(wet)	Colour	Clusts characteristics	
			Easting	Northing				Sorting	Abundance
24224	3600	850	560424	6042720	0.5	1	brown	poor	common
24225	3600	900	560424	6042670	0.6	1	yellow	poor	common
24226	3600	950	560424	6042620	0.3	1	yellow	poor	common
24227	3600	1000	560424	6042570	0.75	1	dark brown	poor	abundant
24228	3750	-50	560574	6043620	0.4	2	yellow	poor	abundant
24229	3750	0	560574	6043570	0.4	1	brown	poor	abundant
24230	3750	50	560574	6043520	0.45	1	yellow	poor	abundant
24231	3750	100	560574	6043470	0.4	1	brown	poor	abundant
24232	3750	150	560574	6043420	0.5	1	brown	poor	abundant
24233	3750	200	560574	6043370	0.6	1	yellow	poor	abundant
24234	3750	250	560574	6043320	0.65	1	yellow	poor	abundant
24235	3750	300	560574	6043270	1	1	orange	poor	common
24236	3750	350	560574	6043220	0.7	1	brown	poor	abundant
24237	3750	400	560574	6043170	1	1	orange	poor	abundant
24238	3750	450	560574	6043120	0.4	1	yellow	poor	abundant
24239	3750	500	560574	6043070	0.4	1	yellow	poor	abundant
24240	3750	550	560574	6043020	0.4	1	yellowish brown	poor	abundant
24241	3750	600	560574	6042970	-	1	dark brown	poor	abundant
24242	3750	650	560574	6042920	0.5	1	brown	poor	abundant
24243	3750	700	560574	6042870	0.5	1	dark brown	poor	abundant
24244	3750	750	560574	6042820	0.4	1	brown	poor	abundant
24245	3750	800	560574	6042770	0.15	1	dark brown	poor	abundant
24246	3750	850	560574	6042720	0.3	1	brown	poor	abundant
24247	3750	900	560574	6042670	0.45	-	brown	poor	common
24248	3750	950	560574	6042620	1	1	-	poor	abundant
24249	3750	1000	560574	6042570	0.5	4	brown	poor	abundant
24250	3900	-250	560724	6043820	0.5	1	orange	poor	rare
24251	3900	-200	560724	6043770	0.65	1	grey yellowish	poor	common
24252	3900	-150	560724	6043720	0.6	1	-	poor	abundant
24253	3900	-100	560724	6043670	0.7	1	greyish yellow	poor	abundant
24254	3900	-50	560724	6043620	0.45	1	cacao brown	poor	-
24255	3900	0	560724	6043570	0.35	1	brownish yellow	poor	common
24256	3900	50	560724	6043520	0.65	1	light reddish-brown	poor	-
24257	3900	100	560724	6043470	0.5	1	chocolate brown	poor	abundant
24258	3900	150	560724	6043420	0.3	1	light reddish-brown	poor	abundant

Sample Number	Line Number	Station Number	UTM NAD83		Depth Meter	Wetness 1(dry)-5(wet)	Colour	Clusts characteristics	
			Easting	Northing				Sorting	Abundance
24259	3900	200	560724	6043370	0.45	1	brownish yellow	poor	common
24260	3900	250	560724	6043320	0.55	1	reddish brown	poor	abundant
24261	3900	300	560724	6043270	0.35	1	reddish brown	poor	abundant
24262	3900	350	560724	6043220	0.25	1	cacao brown	poor	abundant
24263	3900	400	560724	6043170	0.4	1	yellow	poor	abundant
24264	3900	450	560724	6043120	0.4	1	light brownish yellow	poor	common
24265	3900	500	560724	6043070	0.45	1	dark orange	very poor	abundant
24266	3900	550	560724	6043020	0.5	1	dark chocolate brown	poor	common
24267	3900	600	560724	6042970	0.25	1	cacao brown	poor	abundant
24268	3900	650	560724	6042920	0.2	1	dark chocolate brown	very poor	abundant
24269	3900	700	560724	6042870	0.2	1	cacao brown	very poor	abundant
24270	3900	750	560724	6042820	0.45	1	chocolate brown	very poor	abundant
24271	3900	800	560724	6042770	0.45	1	brownish yellow	poor	common
24272	3900	850	560724	6042720	0.6	1	light brownish yellow	poor	common
24273	3900	900	560724	6042670	0.45	1	yellowish brown	poor	common
24274	3900	950	560724	6042620	0.7	1	light cacao brown	very poor	abundant
24275	3900	1000	560724	6042570	0.5	1	light brownish yellow	very poor	common
24276	4050	-200	560874	6043770	0.45	1	light cacao brown	very poor	abundant
24277	4050	-150	560874	6043720	0.35	1	dark chocolate brown	very poor	abundant
24278	4050	-100	560874	6043670	0.85	1	dark chocolate brown	very poor	abundant
24279	4050	-50	560874	6043620	0.8	1	cacao brown	very poor	abundant
24280	4050	0	560874	6043570	0.75	1	reddish cacao brown	very poor	abundant
24281	4050	50	560874	6043520	0.4	1	reddish cacao brown	very poor	abundant
24282	4050	100	560874	6043470	0.65	1	cacao brown	very poor	abundant
24283	4050	150	560874	6043420	0.4	1	dark chocolate brown	poor	common
24284	4050	200	560874	6043370	0.55	1	orange brown	poor	common
24285	4050	250	560874	6043320	0.35	1	cacao brown	very poor	abundant
24286	4050	300	560874	6043270	0.45	1	light yellowish brown	very poor	abundant
24287	4050	350	560874	6043220	0.4	1	light orange-brown	poor	common
24288	4050	400	560874	6043170	0.3	1	light yellowish brown	very poor	abundant
24289	4050	450	560874	6043120	0.25	1	light cacao brown	poor	abundant
24290	4050	500	560874	6043070	0.5	1	brown	poor	common
24291	4050	550	560874	6043020	0.25	1	cacao brown	very poor	abundant
24292	4050	600	560874	6042970	0.6	1	brownish yellow	poor	common
24293	4050	650	560874	6042920	0.25	1	dark chocolate brown	very poor	abundant

Sample Number	Line Number	Station Number	UTM NAD83		Depth Meter	Wetness 1(dry)-5(wet)	Colour	Clusts characteristics	
			Easting	Northing				Sorting	Abundance
24294	4050	700	560874	6042870	0.3	1	light cacao brown	very poor	abundant
24295	4050	750	560874	6042820	0.25	1	yellowish brown	very poor	abundant
24296	4050	800	560874	6042770	0.35	1	chocolate brown	very poor	abundant
24297	4050	850	560874	6042720	0.3	1	dark chocolate brown	very poor	abundant
24298	4050	900	560874	6042670	0.4	1	cacao brown	very poor	abundant
24299	4050	950	560874	6042620	0.5	1	brownish yellow	poor	common
24300	4050	1000	560874	6042570	0.55	1	dark yellow	poor	common
24301	4200	2000	561024	6041570	0.1	3	-	poor	rare
24302	4200	1950	561024	6041620	0.15	1	dark brown	moderate	rare
24303	4200	1900	561024	6041670	0.1	2	dark brown	moderate	rare
24304	4200	1850	561024	6041720	0.1	1	brown	poor	common
24305	4200	1800	561024	6041770	0.1	1	light brown	poor	common
24306	4200	1750	561024	6041820	0.05	1	light brown	poor	abundant
24307	4200	1700	561024	6041870	0.08	1	brown	-	rare
24308	4200	1650	561024	6041920	0.08	2	light brown	poor	rare
24309	4200	1600	561024	6041970	0.1	1	dark-light brown	poor	common
24310	4200	1550	561024	6042020	0.25	2	light yellowish brown	good	none
24311	4200	1500	561024	6042070	0.15	-	yellowish brown	very poor	common
24312	4200	1450	561024	6042120	0.1	2	dark brown	very poor	common
24313	4200	1400	561024	6042170	0.05	1	light grey brown	very poor	common
24314	4200	1350	561024	6042220	0.15	1.5	light grey	moderate	rare
24315	4200	1300	561024	6042270	0.1	1	light brown	poor	rare
24316	4200	1250	561024	6042320	0.1	2	dark to light brown	poor	common
24317	4200	1200	561024	6042370	0.2	1	dark to light brown	poor	common
24318	4200	1150	561024	6042420	0.2	2	light grey brown	very poor	abundant
24319	4200	1100	561024	6042470	0.15	2	dark brown	moderate	none
24320	4200	1050	561024	6042520	0.1	1	dark brown	very poor	abundant
24321	4050	1250	560874	6042320	0.1	1	peanut butter colour	moderate	rare
24322	4050	1200	560874	6042370	0.15	1	brown	poor	rare
24323	4050	1150	560874	6042420	0.2	1	brown	poor	rare
24324	4050	1100	560874	6042470	0.1	1	brown	poor	abundant
24325	4050	1050	560874	6042520	0.15	1		very poor	abundant
24326	4050	2050	560874	6041520	0.3	1	dark brown	moderate	none
24327	4050	2000	560874	6041570	0.25	1	dark-light brown	poor	common
24328	4050	1950	560874	6041620	0.25	2	brown	poor	common

Sample Number	Line Number	Station Number	UTM NAD83		Depth Meter	Wetness 1(dry)-5(wet)	Colour	Clusts characteristics	
			Easting	Northing				Sorting	Abundance
24329	4050	1900	560874	6041670	0.2	1	park brown	poor	common
24330	4050	1850	560874	6041720	0.2	1	light brown	poor	rare
24331	4050	1800	560874	6041770	0.15	2	light reddish-brown	poor	common
24332	4050	1750	560874	6041820	0.2	2	reddish brown	-	rare
24333	4050	1700	560874	6041870	0.15	1	dark brown	poor	common
24334	4050	1650	560874	6041920	0.1	2	light reddish-brown	poor	common
24335	4050	1600	560874	6041970	0.15	1	brown	well	none
24336	4050	1550	560874	6042020	0.2	1	light reddish-brown	very poor	abundant
24337	4050	1500	560874	6042070	0.15	1	light reddish-brown	very poor	abundant
24338	4050	1450	560874	6042120	0.15	1	chestnut brown	very poor	abundant
24339	4050	1400	560874	6042170	0.1	2	milk chocolate brown	poor	abundant
24340	4050	1350	560874	6042220	0.25	1	dark chocolate brown	very poor	abundant
24341	4050	1300	560874	6042270	0.15	1	dirt coloured	very poor	abundant

**APPENDIX 3
LOCATION OF ROCK SAMPLES**

Appendix 3 Location of Rock Samples

Sample Number	UTM NAD 1983		Rock Type	Outcrop/Float	Comments
	Easting	Northing			
24001	560141	6041019	Carbonatite	Float	
24002	560141	6041019	Carbonatite	Float	
24003	560141	6041019	Sandstone	Float	with py
24004	560127	6041439	Marble	Outcrop	Altered
24005	559442	6042064	Sandstone	Float	with py
24006	560273	6041142	haune phonolite	Outcrop	with py
24007	560141	6041019	Syenite	Outcrop	
24008	560141	6041019	Marble(?)	Outcrop	Contact with Syenite
24009	560141	6041019	Syenite	Outcrop	Close to country rock
24010	559472	6042075	Aphanitic rock	Outcrop	with py
24011	561248	6041271	Carbonatite	Outcrop	with py
24012	561248	6041271	Carbonatite	Outcrop	with py
24013	561248	6041271	Carbonatite	Outcrop	
24014	561248	6041271	Carbonatite	Outcrop	
24015	561248	6041271	Pyroxenite	Outcrop	
24016	561248	6041271	Carbonatite	Outcrop	with py
24017	561248	6041271	Carbonatite	Outcrop	
24018	561248	6041271	Carbonatite	Outcrop	
24019	561248	6041271	Carbonatite	Outcrop	
24020	561248	6041271	Carbonatite	Outcrop	
24021	561248	6041271	Carbonatite	Outcrop	
24022	561248	6041271	Carbonatite	Outcrop	
24023	561261	6041308	Carbonatite	Outcrop	
24024	561212	6041324	Carbonatite	Outcrop	
24025	561212	6041324	Carbonatite	Outcrop	
24451	561212	6041324	Carbonatite	Outcrop	
24452	561195	6041231	Carbonatite	Outcrop	
24453	561195	6041231	Carbonatite	Outcrop	
24454	561228	6041140	Carbonatite	Outcrop	
24455	561228	6041140	Carbonatite	Outcrop	
24456	561228	6041140	Carbonatite	Outcrop	
24457	561228	6041140	Carbonatite	Outcrop	
24458	561228	6041140	Carbonatite	Outcrop	
24459	559775	6040723	Pyroxenite	Outcrop	
24460	559908	6040849	Carbonatite	Outcrop	
24461	560150	6041247	Nephelinite(?)	Outcrop	
24462	561212	6041324	Pyroxenite	Outcrop	
24463	561212	6041324	Carbonatite	Outcrop	
24464	561228	6041140	Carbonatite	Outcrop	with py
24465	561228	6041140	Carbonatite	Outcrop	With Sulfides

APPENDIX 4
ACME ANALYTICAL LABORATORIES LTD ANALYTICAL RESULTS



GEOCHEMICAL ANALYSIS CERTIFICATE



Commerce Resources Corp. PROJECT Carbo File # A603426 Page 1 (a)

1450 - 789 W. Pender St., Vancouver BC V6C 1H2 Submitted by: Jody Dahrouge

SAMPLE#	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
G-1	1052.9	3	4.8	4.8	19.4	3.9	20.6	138.2	1	801.8	1.6	8.1	4.9	55	.5	128.1	19.6	30.0	59.3	6.92	25.2	4.5	1.13	3.25	.54	3.05	.64	1.73	.31	2.08	.29
24051	730.7	2	15.4	4.2	22.2	7.5	18.9	151.7	2	48.5	1.4	19.4	3.0	69	1.3	268.4	23.4	53.1	112.0	11.61	41.5	6.3	1.37	4.76	.71	3.98	.81	2.20	.34	2.13	.31
RE 24051	733.7	3	15.2	4.4	22.2	7.7	18.1	147.8	2	47.7	1.4	18.0	2.9	67	1.5	268.0	24.4	52.9	110.9	11.77	41.3	6.9	1.39	4.81	.76	4.24	.85	2.17	.39	1.98	.30
24052	637.6	2	10.0	2.5	17.3	7.2	33.2	89.5	1	97.8	1.2	18.5	2.4	73	3.4	267.8	18.7	61.7	122.6	12.14	41.8	6.2	1.12	4.02	.55	3.14	.63	1.82	.29	1.77	.29
24053	1023.1	3	12.8	4.2	20.9	6.7	36.5	128.8	2	82.5	1.6	31.1	3.5	74	3.4	250.5	44.9	79.7	165.8	18.46	64.4	11.8	2.67	8.59	1.34	7.12	1.43	3.81	.60	3.54	.46
24054	1170.1	3	17.5	4.1	20.2	6.2	40.5	120.8	2	95.2	1.5	39.7	3.6	76	7.8	219.6	54.0	81.3	188.8	20.34	73.4	12.3	3.04	9.42	1.48	8.03	1.64	4.26	.70	3.82	.52
24055	573.5	2	11.8	2.1	14.9	6.6	30.4	81.6	1	98.0	1.1	20.9	2.3	63	1.9	239.7	20.9	82.9	175.8	14.52	49.5	7.5	1.56	4.60	.76	3.79	.72	1.92	.31	2.00	.25
24056	1353.9	3	12.7	1.3	21.4	5.4	77.7	95.3	4	61.4	1.2	37.2	1.1	93	4.5	198.4	17.8	31.4	118.3	7.52	27.2	6.0	1.55	5.17	.82	4.20	.68	1.67	.25	1.35	.20
24057	2263.2	6	16.0	2.9	20.5	6.1	39.1	132.8	2	103.6	1.6	72.3	2.0	62	9.4	224.2	31.4	52.9	144.3	15.17	64.4	13.2	2.69	8.28	1.15	5.72	1.11	2.87	.47	2.64	.36
24058	1457.4	6	16.6	1.4	18.8	7.7	62.0	86.1	3	72.7	1.7	41.5	2.5	90	4.7	286.0	59.0	58.3	217.8	16.16	64.4	16.1	4.88	15.90	2.60	13.87	2.47	5.57	.87	4.42	.52
24059	1386.5	4	10.7	1.8	19.2	7.1	59.0	112.1	3	126.6	1.4	36.3	3.0	74	4.9	239.5	85.9	71.7	146.0	17.32	65.4	14.0	4.09	13.66	2.22	12.80	2.51	6.24	.91	5.22	.68
24060	1138.8	3	12.8	3.4	15.4	6.7	33.3	104.1	1	178.2	1.0	25.3	6.0	58	2.5	242.6	80.7	132.2	153.0	28.82	103.5	17.3	4.45	14.30	1.96	10.48	2.05	5.43	.81	4.76	.64
24061	477.5	1	6.9	2.0	13.5	8.3	35.3	73.6	1	85.6	1.1	17.4	2.8	59	1.7	300.0	22.5	66.3	139.4	12.47	40.5	6.3	1.29	3.95	.65	3.79	.76	2.12	.32	2.11	.29
24062	809.5	6	16.6	4.2	19.6	7.5	29.7	132.8	2	55.7	1.1	19.1	1.7	58	6.8	278.5	13.8	41.3	108.8	9.82	35.6	5.9	1.29	3.84	.54	2.86	.48	1.32	.20	1.19	.21
24063	1118.2	4	14.0	5.6	21.1	6.1	27.5	147.1	2	108.7	1.4	37.0	2.6	66	7.7	241.9	23.4	48.7	119.9	11.28	42.5	7.7	1.67	5.96	.88	4.55	.90	2.21	.39	2.21	.29
24064	472.7	1	7.1	3.9	16.3	8.0	31.7	85.9	1	60.5	1.1	17.2	2.4	64	3.1	289.7	18.3	41.5	86.2	8.70	32.2	5.2	.98	3.54	.55	3.07	.63	1.72	.27	1.74	.25
24065	504.0	2	6.4	2.4	18.9	7.8	49.7	88.0	2	65.5	1.3	18.9	1.9	69	3.7	292.5	15.5	43.2	114.8	9.04	31.4	4.5	1.01	3.21	.45	2.83	.51	1.39	.24	1.65	.22
24066	1296.9	3	8.9	5.9	22.4	7.7	30.5	120.0	2	143.2	1.2	32.4	2.5	75	6.2	284.7	27.1	58.5	129.2	13.10	46.0	7.4	1.53	5.54	.80	4.59	.83	2.33	.38	2.09	.29
24067	1003.8	5	13.0	4.3	21.3	8.2	31.0	86.7	2	161.6	1.1	39.0	2.3	73	8.3	318.0	44.4	68.6	154.8	17.28	68.0	11.8	2.45	8.53	1.28	7.16	1.38	3.68	.56	3.27	.43
24068	2768.2	5	14.1	3.1	21.5	7.0	30.0	131.8	2	142.6	1.2	29.0	3.4	71	5.5	250.1	32.4	65.5	153.4	14.97	52.1	8.8	1.98	6.51	.94	5.13	.95	2.74	.46	2.64	.39
24069	540.0	2	9.6	2.5	14.5	6.2	24.0	87.3	1	100.9	1.0	21.7	2.2	62	2.6	244.7	20.9	57.4	118.5	11.52	40.0	6.1	1.27	4.54	.61	3.48	.67	2.05	.31	1.97	.26
24070	2825.5	5	14.0	6.8	23.4	5.9	21.9	133.4	2	258.7	1.3	30.8	2.2	75	10.8	218.2	28.9	51.3	110.5	12.09	41.1	7.1	1.55	5.52	.91	4.79	.94	2.61	.41	2.32	.31
24071	892.1	3	17.6	6.2	23.4	4.7	27.1	162.5	2	169.3	1.3	24.0	2.3	77	3.8	159.5	30.5	50.4	99.6	11.13	39.9	6.7	1.48	4.84	.85	4.84	1.01	2.82	.46	2.75	.33
24072	732.8	3	15.4	3.6	19.1	3.2	16.0	90.7	2	190.5	.9	15.1	2.3	68	2.0	120.4	16.0	49.4	102.3	9.85	34.4	5.3	1.15	3.84	.56	3.01	.57	1.50	.24	1.36	.18
24073	711.5	4	13.6	4.1	20.7	4.4	31.5	56.3	2	195.1	1.2	46.0	2.3	69	6.8	170.0	33.9	98.7	203.2	22.18	74.8	12.3	2.74	8.25	1.19	6.63	1.19	3.00	.45	2.45	.35
24074	1230.8	2	8.0	4.7	21.8	5.7	19.0	120.7	2	226.8	1.2	23.3	2.4	69	5.0	196.0	24.9	62.4	132.0	14.03	51.1	8.0	1.52	5.42	.77	4.37	.81	2.25	.35	2.08	.31
24075	845.5	2	5.3	5.4	22.1	8.4	32.1	135.8	2	106.7	1.3	19.3	2.7	83	4.8	299.4	28.3	64.5	127.0	13.44	46.0	7.5	1.44	5.53	.79	4.50	.93	2.52	.43	2.52	.35
24076	871.3	3	8.5	4.7	24.4	6.8	27.6	196.6	2	36.6	1.6	22.0	2.6	83	4.0	251.0	18.6	55.9	108.4	12.00	40.0	6.1	1.06	3.98	.56	3.00	.64	1.76	.30	1.90	.25
24077	944.1	3	8.1	2.8	24.3	6.6	34.1	179.7	2	62.1	1.6	26.5	2.5	81	5.5	255.0	21.4	54.7	104.8	11.50	41.3	5.9	1.11	4.02	.60	3.36	.71	2.07	.36	2.12	.28
24078	750.3	3	8.4	1.7	19.0	5.8	49.5	120.6	2	53.8	1.3	31.1	2.3	64	5.7	224.5	23.4	37.6	85.4	8.23	31.2	5.8	1.47	4.85	.80	4.24	.76	2.08	.35	2.01	.30
24079	517.1	2	9.4	2.3	16.9	8.4	40.9	91.7	2	53.0	1.1	29.7	2.1	79	3.7	359.3	28.9	35.1	85.1	7.58	27.2	5.2	1.23	4.23	.79	4.69	.87	2.76	.42	2.56	.41
24080	854.1	2	14.5	1.3	19.1	6.8	32.4	114.0	2	48.7	1.4	32.9	2.0	75	7.8	246.1	20.4	29.1	86.6	6.92	27.2	4.7	1.11	3.86	.63	3.77	.72	2.12	.33	1.92	.30
24081	503.8	1	6.8	2.2	16.6	6.6	32.0	83.7	2	61.6	1.2	23.1	2.3	76	2.9	268.5	19.9	59.7	112.4	11.62	40.9	6.4	1.42	4.31	.65	3.66	.68	1.97	.32	1.83	.30
24082	394.3	8	12.1	1.2	19.5	7.5	38.2	110.2	2	44.6	1.1	53.0	2.5	78	9.5	304.4	21.1	31.6	100.6	7.79	28.9	6.3	1.60	5.17	.89	4.95	.85	2.26	.38	2.05	.27
24083	1300.6	4	13.4	1.7	22.8	8.0	66.2	116.2	3	92.0	2.0	42.0	2.4	85	11.8	304.7	34.8	34.6	98.7	9.14	34.5	7.0	1.86	5.58	1.00	5.97	1.23	3.49	.54	3.29	.47
STANDARD SO-18	510.9	1	27.2	7.4	18.2	9.7	20.1	28.6	14	421.6	7.7	10.8	16.5	195	16.4	294.4	34.3	13.0	27.9	3.46	14.0	3.1	.91	3.00	.56	3.12	.65	1.89	.28	1.84	.30

GROUP 48 - REE - 0.200 GM BY LIBO2/LI2B4O7 FUSION, ICP/MS FINISHED.
- SAMPLE TYPE: SOIL SP100 60C
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

2006-07-24 P01:07



SAMPLE#	Sa	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
24084	1431.7	2	23.7	1.9	21.3	6.6	56.4	112.3	2	142.6	1.2	61.6	5.3	76	11.7	253.0	61.5	58.8	125.5	13.93	55.5	12.8	3.22	10.98	1.72	9.90	1.87	5.27	.84	4.87	.73
24085	1013.9	3	13.8	3.4	17.4	5.0	39.8	89.7	2	141.3	.9	68.9	6.2	66	6.1	192.0	66.8	61.9	157.4	18.79	71.7	14.4	3.92	11.74	1.75	10.22	1.80	5.37	.76	4.82	.71
24086	868.3	5	16.7	3.9	23.3	6.2	40.8	117.2	2	111.3	1.2	46.1	2.3	75	6.8	214.9	29.5	62.8	182.3	16.81	60.4	10.6	2.33	6.60	1.04	5.41	1.01	2.82	.43	2.75	.36
24087	1842.9	3	22.4	5.0	23.0	5.5	57.3	127.9	3	116.9	1.2	134.1	2.1	61	5.1	190.5	47.7	49.6	132.9	13.95	54.1	12.5	3.02	10.75	1.79	9.35	1.70	4.43	.62	3.75	.56
24088	569.7	5	20.5	5.2	20.5	9.8	86.6	78.5	3	93.1	2.8	42.3	3.0	176	7.2	382.8	25.4	97.0	199.2	20.09	67.5	10.3	2.24	5.98	.90	4.87	.88	2.51	.42	2.44	.35
24089	843.0	3	49.7	4.4	22.3	7.3	67.6	146.1	3	166.1	4.4	25.4	4.6	123	11.5	293.3	33.2	81.9	151.4	16.62	60.4	10.7	2.25	7.45	1.09	6.05	1.12	3.34	.51	2.91	.43
24090	1583.6	4	21.3	8.6	22.2	6.0	55.1	102.5	2	205.3	1.2	27.5	2.7	63	4.6	205.3	35.2	54.2	122.2	13.36	48.8	9.9	2.38	7.30	1.20	6.52	1.20	3.27	.48	2.84	.40
24091	1010.8	4	23.4	3.8	24.1	4.9	21.4	160.9	2	92.2	1.2	19.8	3.1	76	4.2	159.6	26.2	54.9	108.4	12.86	45.3	8.0	1.43	5.14	.80	4.51	.82	2.38	.36	2.17	.25
24092	864.2	6	13.7	12.0	25.2	6.1	50.6	121.5	3	131.4	1.3	32.8	2.2	96	7.9	234.8	34.6	77.7	158.2	18.14	64.4	10.6	2.40	7.35	1.13	6.11	1.12	3.20	.50	2.62	.38
24093	754.7	2	24.1	7.0	20.1	5.0	45.9	126.1	2	142.8	1.2	48.0	4.5	76	4.7	176.9	47.2	109.0	194.7	21.40	74.6	13.1	3.00	9.76	1.50	8.59	1.52	4.30	.61	3.91	.54
24094	653.7	3	23.8	6.0	19.6	6.1	24.5	111.8	2	150.8	1.2	30.3	6.7	76	3.9	230.2	46.9	70.5	146.0	16.63	60.5	11.4	2.48	8.44	1.39	7.39	1.48	4.14	.61	3.86	.56
24095	844.6	3	24.4	4.5	25.2	5.3	18.2	150.8	2	81.1	1.1	20.3	2.3	77	4.2	172.8	25.7	44.0	93.4	9.71	35.0	5.8	1.11	3.86	.69	4.20	.76	2.38	.36	1.87	.27
RE 24095	811.2	2	24.1	4.5	23.8	5.1	17.7	146.8	2	78.6	1.1	19.4	2.3	75	3.8	170.1	23.2	45.6	92.7	9.86	35.4	5.9	1.15	4.29	.71	3.93	.78	2.26	.31	2.01	.29
24096	614.5	2	8.8	4.4	21.6	6.2	17.7	108.0	2	81.8	1.2	12.8	2.6	89	3.4	212.8	21.7	45.0	84.3	9.63	33.8	5.8	1.06	4.11	.67	3.67	.66	2.18	.35	1.96	.26
24097	821.9	3	18.0	12.1	21.1	6.2	44.0	118.3	2	215.8	1.4	28.8	4.6	79	4.1	216.3	73.2	79.9	129.8	18.77	68.7	12.4	3.18	10.66	1.61	9.67	1.84	5.73	.85	5.39	.89
24098	907.4	2	20.7	3.9	26.5	5.3	23.6	149.9	2	103.7	1.3	23.8	2.2	98	4.4	187.4	26.2	41.5	83.1	9.40	33.5	6.0	1.01	3.87	.74	4.52	.82	2.53	.37	2.21	.32
24099	741.5	2	15.9	4.6	21.6	7.9	21.6	143.5	2	54.9	1.3	20.9	2.6	71	3.0	266.6	22.3	52.2	108.3	11.64	41.0	6.8	1.26	4.79	.66	4.21	.74	2.26	.38	2.27	.31
24100	531.3	2	12.3	3.3	16.6	7.4	26.3	95.7	2	73.2	1.2	17.3	2.3	64	2.6	265.5	21.4	63.9	130.5	12.55	43.3	6.8	1.34	4.49	.76	4.08	.75	2.08	.30	1.93	.28
24101	479.6	1	9.9	1.6	11.8	5.7	21.0	61.8	1	86.0	.9	15.8	1.8	47	1.7	212.8	21.2	53.2	108.0	10.50	37.7	6.5	1.39	4.79	.77	4.13	.72	2.02	.33	1.95	.26
24102	856.8	4	12.7	2.2	19.9	6.0	84.8	108.9	3	60.3	2.3	30.7	2.8	72	4.6	228.9	37.7	64.6	200.8	17.23	62.2	12.0	2.93	8.48	1.40	7.77	1.38	3.77	.57	3.56	.51
24103	587.5	1	12.2	2.2	14.8	7.5	24.0	73.7	1	112.4	1.1	18.6	2.3	67	2.0	259.9	23.4	79.0	157.0	14.51	48.7	7.9	1.71	5.14	.81	4.42	.75	2.16	.33	2.16	.34
24104	718.9	2	12.6	2.5	16.2	7.0	27.6	90.2	2	89.6	1.0	25.7	2.2	67	2.9	248.5	22.8	59.3	131.4	12.37	42.3	6.9	1.53	4.95	.81	4.37	.79	2.18	.34	2.09	.30
24105	602.6	2	10.1	2.4	14.9	6.4	26.7	77.3	1	88.6	1.1	15.1	2.2	63	2.4	237.4	18.8	51.1	99.3	10.00	34.2	5.4	1.12	3.96	.62	3.31	.63	1.82	.26	1.70	.27
24106	1323.2	5	13.7	3.1	20.8	8.8	47.2	111.9	3	91.2	1.3	89.2	2.9	80	5.9	318.3	40.4	121.2	561.9	42.05	142.4	19.6	4.21	10.28	1.66	8.23	1.42	3.73	.59	3.53	.49
24107	1167.0	3	11.1	2.3	20.4	7.7	21.2	103.5	2	104.9	1.1	25.0	2.1	46	4.7	276.6	23.9	44.0	120.4	10.49	36.6	6.9	1.50	4.69	.83	4.51	.83	2.27	.40	2.22	.33
24108	686.5	2	13.2	2.9	16.8	7.0	29.0	91.3	2	94.7	1.3	31.4	2.4	64	2.7	242.0	24.0	98.1	202.9	17.11	57.0	8.9	1.90	5.60	.88	4.51	.82	2.23	.39	2.12	.32
24109	737.9	1	12.7	4.0	16.8	6.9	24.4	78.5	1	97.7	1.1	21.6	2.2	57	3.3	244.7	17.8	53.0	116.4	10.90	36.3	6.0	1.27	4.17	.64	3.45	.59	1.63	.29	1.82	.27
24110	612.9	1	14.4	2.5	15.8	9.1	22.4	82.2	2	118.2	1.3	19.9	2.9	77	1.9	312.8	36.3	70.7	149.5	15.68	54.9	9.7	2.15	7.56	1.21	6.65	1.26	3.28	.53	3.38	.50
24111	399.2	4	19.5	1.5	24.6	11.0	74.6	163.6	4	50.1	.9	77.4	4.0	161	9.8	461.2	95.5	56.2	289.8	19.08	75.8	20.9	7.10	20.54	3.83	22.28	4.08	9.74	1.49	8.00	1.14
24112	401.3	4	20.4	.8	17.6	7.4	21.3	54.5	1	77.2	.9	46.1	2.2	52	6.8	271.6	33.9	53.1	410.8	16.29	57.3	12.7	3.78	9.57	1.77	9.14	1.51	3.84	.59	3.56	.51
24113	1409.7	4	12.1	5.7	21.1	7.6	24.4	104.0	2	178.0	1.1	34.3	2.3	64	5.8	275.5	37.0	68.0	152.0	15.93	56.5	10.1	2.34	7.67	1.29	6.76	1.34	3.29	.51	2.97	.42
24114	606.7	2	13.8	2.8	16.7	6.7	33.4	86.7	1	75.2	1.3	33.5	2.3	58	3.6	257.7	18.8	69.8	146.9	13.23	44.5	6.8	1.41	4.39	.68	3.50	.67	1.86	.29	1.85	.26
24115	679.6	3	16.8	5.5	21.9	7.7	42.1	105.6	2	120.6	1.3	31.8	2.5	80	5.9	290.5	25.4	77.3	154.6	16.21	54.0	9.0	1.86	5.63	.87	4.78	.87	2.33	.36	2.27	.34
24116	1158.8	5	9.2	4.9	22.9	7.3	32.2	95.8	2	149.1	1.2	49.8	2.4	78	7.8	266.8	28.8	60.6	136.6	14.70	54.5	9.0	1.94	5.89	1.02	5.30	1.00	2.77	.44	2.63	.40
STANDARD	495.1	1	26.7	7.3	17.9	10.1	19.2	28.0	13	394.7	7.6	10.1	16.3	192	15.9	286.7	33.5	13.0	28.0	3.53	14.1	3.1	.92	3.05	.52	3.05	.64	1.85	.28	1.72	.28

Standard is STANDARD SO-18. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
24117	598.7	1	9.6	2.4	17.5	6.2	24.8	89.0	1	85.3	1.0	15.3	2.2	66	2.6	222.2	21.8	48.5	94.9	9.80	35.1	6.2	1.18	4.24	.70	3.57	.71	2.14	.31	1.90	.27
24118	563.3	2	9.5	2.6	17.5	5.2	32.0	89.2	1	57.8	1.2	16.7	2.4	63	2.0	185.2	17.4	48.4	100.5	9.12	31.1	5.4	1.00	3.63	.55	2.81	.56	1.66	.26	1.69	.20
24119	537.9	2	9.6	2.8	19.0	5.5	20.2	94.1	1	81.1	1.0	14.0	2.2	73	1.8	197.3	17.7	41.9	94.2	8.20	28.8	4.7	.90	3.21	.50	2.94	.58	1.87	.27	1.62	.26
24120	462.1	2	10.6	2.3	15.1	8.0	25.9	84.1	1	92.6	1.1	18.8	2.6	58	1.7	270.6	31.9	60.1	115.3	12.16	42.3	7.8	1.75	5.79	.98	5.18	1.06	3.02	.43	3.00	.45
24121	647.6	2	13.6	3.4	18.4	6.2	33.7	105.9	2	77.3	1.2	25.3	2.5	67	2.3	216.2	25.6	80.2	169.5	14.67	51.7	9.1	1.81	5.86	.96	4.57	.89	2.55	.38	2.40	.33
24122	733.6	2	11.8	2.6	17.6	6.8	35.1	101.2	1	78.7	1.2	20.6	2.5	64	2.1	227.1	23.2	73.4	137.3	13.21	45.4	7.3	1.58	4.94	.84	4.06	.75	2.21	.31	2.10	.31
24123	770.5	3	14.5	3.6	19.3	6.2	46.7	119.8	2	88.6	1.5	27.5	2.5	78	2.9	218.2	30.5	100.1	183.2	17.82	60.5	9.6	2.15	6.67	1.02	5.54	1.02	3.04	.43	2.71	.38
24124	613.7	2	14.0	3.5	19.4	6.6	13.6	120.4	2	56.5	1.0	17.0	2.3	62	1.3	238.6	20.3	45.8	93.1	9.65	33.8	5.5	.99	3.83	.60	3.33	.65	1.96	.32	1.91	.27
24125	871.9	2	13.5	4.8	24.0	7.5	15.2	180.8	2	43.8	1.2	17.3	2.5	74	2.2	255.2	19.6	55.0	111.8	11.72	41.6	6.8	1.24	4.40	.64	3.56	.66	2.01	.32	2.08	.29
24126	642.5	1	11.1	3.7	19.7	7.6	16.8	127.2	1	51.7	1.2	16.0	2.5	68	1.8	278.2	20.9	53.7	111.5	10.87	38.8	5.8	1.10	4.08	.62	3.45	.69	2.00	.29	2.07	.32
24127	607.6	2	13.5	3.9	20.0	5.5	17.5	124.0	2	57.3	1.4	15.0	2.3	69	2.2	181.7	15.4	48.3	90.6	9.65	34.7	5.0	.91	3.32	.47	2.49	.48	1.51	.23	1.57	.25
24128	620.2	2	15.4	3.7	18.5	6.1	21.2	119.5	2	57.1	1.3	15.6	2.3	63	1.5	213.9	18.0	49.9	103.0	10.09	34.2	5.8	1.04	3.54	.59	3.13	.60	1.79	.25	1.64	.22
24129	539.0	1	11.6	3.0	15.8	7.3	21.5	91.9	1	59.8	1.2	15.5	2.0	65	2.3	239.5	18.5	53.6	101.3	10.43	36.8	5.3	1.02	3.80	.55	3.02	.62	1.88	.28	1.94	.26
24130	491.9	2	17.6	3.0	16.7	6.2	23.8	90.9	1	55.9	1.1	18.2	2.2	62	2.2	217.0	20.8	53.1	103.8	10.29	35.3	6.1	1.34	4.41	.73	3.86	.68	1.89	.30	1.71	.23
24131	753.9	3	17.9	6.1	23.2	5.9	19.2	155.5	2	47.3	1.4	18.7	2.3	68	1.5	206.1	20.9	57.8	119.8	12.07	43.0	6.8	1.26	4.92	.69	3.79	.70	2.06	.30	1.99	.29
24132	1101.7	3	13.3	3.0	18.4	7.6	22.0	110.7	2	67.7	1.1	31.6	2.2	65	3.5	281.1	20.5	48.6	118.5	10.01	35.6	5.7	1.11	4.27	.65	3.55	.65	2.05	.31	1.89	.28
24133	506.8	2	7.3	2.3	15.7	6.2	48.4	85.2	1	71.9	1.5	24.3	2.4	65	2.4	232.9	20.6	51.6	131.5	10.83	36.9	6.4	1.29	4.34	.65	3.67	.64	2.02	.31	1.91	.27
24134	1432.4	4	11.0	1.3	18.6	6.1	45.0	92.0	2	56.0	1.3	34.6	1.3	66	4.1	236.5	24.3	34.7	121.2	9.14	35.2	6.7	1.71	5.33	.92	4.51	.90	2.61	.36	2.27	.32
24135	650.9	2	12.0	1.7	17.8	6.8	28.3	94.3	2	81.7	1.2	21.7	2.0	70	5.3	234.8	17.8	49.3	105.6	9.46	32.6	5.4	1.09	3.60	.58	2.95	.57	1.71	.27	1.66	.26
RE 24135	648.1	1	12.0	1.8	18.0	6.6	27.5	96.1	2	85.6	1.2	22.1	2.0	75	5.3	243.5	18.4	50.1	106.9	9.91	35.4	5.6	1.17	3.64	.62	3.30	.63	1.91	.28	1.69	.24
24136	732.5	3	22.7	3.0	17.2	6.8	50.9	110.7	2	82.2	2.4	29.1	2.8	88	6.5	254.8	20.8	67.6	139.1	13.54	45.1	7.2	1.61	4.51	.73	3.66	.69	2.13	.32	2.04	.27
24137	948.0	3	13.6	3.0	18.8	8.2	34.0	134.5	2	81.6	1.2	47.1	2.5	67	4.5	312.0	33.3	51.3	110.3	11.44	44.9	8.0	1.86	5.97	1.02	5.41	1.11	3.00	.47	3.10	.38
24138	1464.0	6	12.6	4.8	21.3	5.7	34.9	148.8	2	87.5	1.3	54.6	2.2	75	9.6	208.3	31.2	57.9	117.2	12.68	47.4	8.0	1.84	6.12	.88	5.44	1.03	3.19	.45	2.78	.37
24139	805.2	2	8.1	2.3	16.9	8.3	30.4	103.5	2	95.5	1.2	17.5	2.2	61	3.1	296.9	20.5	51.0	104.6	10.18	36.7	5.8	1.14	3.66	.58	3.28	.63	2.01	.31	1.96	.27
24140	1175.0	4	15.2	1.3	23.7	6.3	92.9	130.7	2	68.1	2.3	48.5	4.2	71	9.3	259.3	23.7	30.0	117.1	7.27	27.3	5.5	1.43	4.21	.76	4.47	.85	2.51	.34	2.21	.30
24141	759.4	3	9.2	1.8	22.2	8.4	56.2	93.4	5	51.5	1.4	83.9	2.0	87	3.6	347.7	22.6	25.8	108.7	6.48	25.5	5.4	1.45	4.65	.86	4.61	.81	2.32	.36	2.28	.31
24142	703.7	1	15.0	.5	24.5	4.8	75.3	155.3	2	41.2	1.2	28.2	.7	44	4.7	186.3	28.4	18.7	74.5	4.54	17.5	5.3	1.82	5.89	1.24	7.05	1.20	3.06	.39	2.30	.28
24143	835.6	4	11.4	.2	19.5	3.3	83.0	13.1	4	37.6	.8	95.9	2.6	110	5.7	64.0	140.9	113.1	817.5	54.60	224.7	61.0	18.63	48.29	8.84	49.06	8.55	23.71	3.73	23.52	3.10
24144	572.7	7	11.9	1.5	18.3	7.9	48.4	89.7	2	60.9	.9	28.9	2.8	81	4.5	300.8	26.9	34.1	129.8	8.37	32.3	6.0	1.60	4.89	.82	4.63	.87	2.48	.37	2.24	.32
24145	892.6	4	11.3	4.2	20.3	6.8	28.4	107.7	2	110.9	1.2	34.5	3.2	71	7.2	236.2	41.0	67.5	172.6	16.82	63.6	11.7	3.06	9.09	1.47	8.13	1.50	4.15	.64	3.77	.51
24146	983.7	8	17.6	4.2	19.4	6.7	27.3	91.7	2	142.3	1.0	46.3	3.4	68	9.3	256.7	39.4	54.9	132.3	13.55	51.3	9.7	2.26	7.43	1.25	6.87	1.24	3.76	.55	3.33	.46
24147	835.8	4	12.2	5.8	21.3	6.8	24.9	157.6	2	137.6	1.1	33.5	2.1	66	5.4	246.1	37.0	64.6	125.7	13.14	47.2	8.3	1.65	5.96	1.08	6.27	1.22	3.49	.49	3.02	.36
24148	835.1	3	9.8	3.5	16.3	7.1	25.6	91.1	2	133.0	1.1	23.2	6.7	71	3.3	252.5	32.6	62.6	123.7	13.75	49.0	8.6	1.79	6.17	1.01	5.48	1.04	3.11	.45	2.74	.37
24149	1158.0	9	17.5	8.3	22.2	9.5	93.8	131.9	3	151.9	1.3	182.6	2.9	82	8.4	441.9	87.9	275.5	635.1	66.58	220.9	30.1	7.77	19.16	2.91	15.65	2.92	8.79	1.36	8.19	1.04
STANDARD SO-18	484.1	1	25.8	7.4	18.2	9.9	19.4	27.6	12	405.0	7.6	10.3	16.1	188	16.0	288.1	33.6	12.9	28.7	3.44	13.7	2.9	.92	3.03	.52	2.92	.64	1.91	.28	1.83	.29

Sample type: SOIL SP100 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
24150	1238.0	6	15.9	9.0	22.5	6.6	45.6	139.2	3	186.6	1.1	66.6	2.3	85	12.2	251.7	64.0	143.5	318.2	34.35	111.2	17.5	4.40	11.82	1.84	9.56	2.11	5.54	.91	4.36	.65
24151	767.1	2	16.7	4.9	21.5	6.2	22.9	148.6	2	61.8	1.5	53.2	2.3	75	3.9	222.6	24.3	56.6	112.5	11.58	38.6	6.2	1.22	4.03	.66	3.79	.75	2.35	.38	2.10	.36
24152	517.4	1	9.9	3.0	16.5	7.1	21.9	88.8	2	66.3	1.1	17.3	2.1	73	2.9	243.2	18.8	82.3	137.8	14.12	44.4	6.5	1.17	3.83	.58	3.27	.64	1.86	.32	1.75	.25
24153	604.5	1	14.7	3.6	17.6	7.6	21.3	105.2	2	68.9	1.4	18.5	2.3	69	2.1	265.9	21.9	61.2	126.1	12.34	41.0	7.0	1.37	4.64	.75	3.72	.73	2.06	.32	2.05	.29
24154	660.5	2	12.7	3.7	20.2	6.1	23.8	124.6	2	46.5	1.3	23.9	2.1	68	3.8	220.2	21.9	60.4	123.3	12.27	42.0	7.0	1.38	4.84	.66	3.52	.71	2.08	.37	1.79	.28
24155	838.7	1	14.4	2.6	13.7	6.4	17.8	70.6	1	77.4	1.1	20.7	2.1	62	3.2	225.4	23.6	55.4	123.7	11.43	39.4	7.4	1.63	5.46	.84	4.50	.83	2.15	.34	2.10	.31
24156	805.0	2	15.8	2.0	20.1	6.1	60.0	94.9	2	85.9	1.8	38.3	2.3	74	4.2	237.2	19.1	44.6	134.7	10.10	35.3	5.9	1.37	3.84	.59	3.37	.63	1.89	.30	1.74	.26
24157	1331.7	2	17.1	1.1	21.4	3.2	120.0	82.1	2	42.1	1.9	51.9	1.4	61	7.1	133.5	20.3	28.4	206.1	9.14	33.6	6.9	1.94	5.03	.94	4.20	.78	2.01	.29	1.64	.23
24158	1343.7	2	13.2	1.7	20.4	5.8	74.4	95.8	2	73.1	1.5	59.9	1.7	65	5.9	208.9	15.8	39.3	128.1	9.91	33.9	5.3	1.36	3.07	.53	2.79	.52	1.56	.25	1.50	.21
24159	1736.8	4	18.1	3.0	21.4	5.7	44.3	135.1	3	110.8	1.4	71.8	1.9	70	9.4	212.6	35.4	66.7	189.0	19.06	66.2	11.9	2.88	8.27	1.30	6.21	1.26	3.37	.54	3.03	.47
RE 24159	1791.5	5	19.6	3.3	22.3	6.4	46.7	143.4	3	115.8	1.4	68.1	2.0	73	9.3	226.0	37.3	70.4	203.0	20.35	70.6	13.1	3.08	8.57	1.31	6.76	1.29	3.44	.57	3.21	.50
24160	482.9	2	6.4	1.7	18.5	8.3	61.5	109.6	3	46.6	1.7	22.4	3.1	73	5.6	329.4	12.7	22.5	57.7	4.71	14.9	3.0	.73	1.89	.39	2.29	.45	1.39	.23	1.50	.24
24161	409.2	4	9.7	.9	17.4	10.1	35.9	106.9	2	45.7	1.0	35.0	1.3	58	5.0	348.7	16.4	23.4	111.4	5.44	18.6	4.3	1.09	3.56	.65	3.61	.63	1.64	.27	1.41	.22
24162	1227.8	2	13.3	2.2	20.4	7.3	50.5	113.8	3	63.0	1.2	37.6	1.7	80	5.9	277.5	22.5	39.4	87.0	8.73	29.6	5.2	1.23	3.90	.70	3.75	.72	2.04	.33	2.01	.31
24163	781.4	3	13.8	3.3	21.0	6.8	24.9	168.4	2	66.9	1.4	23.9	2.5	71	5.2	248.7	22.8	53.3	111.3	11.84	38.4	6.4	1.39	4.49	.73	3.97	.76	2.21	.35	2.14	.30
24164	619.5	3	13.4	2.6	16.3	8.0	34.8	90.6	2	90.1	1.1	25.9	2.6	73	3.4	267.0	24.9	86.0	170.8	14.59	46.3	7.9	1.70	5.35	.90	4.73	.91	2.48	.40	2.20	.30
24165	774.9	4	12.5	1.5	17.4	8.7	40.7	93.7	2	110.1	1.3	50.3	4.6	72	4.1	322.5	47.2	87.4	269.7	21.48	74.8	13.9	3.58	9.25	1.51	8.09	1.49	4.25	.68	3.79	.58
24166	929.4	3	16.6	4.8	22.7	5.8	53.9	130.5	3	65.2	1.6	32.2	3.6	73	5.4	221.1	22.0	48.6	128.1	10.86	36.3	7.3	1.74	5.29	1.00	5.07	.89	2.24	.35	2.02	.29
24167	909.8	4	12.2	5.9	20.9	8.9	32.2	115.8	2	124.1	1.2	41.0	2.5	80	7.2	319.3	24.3	49.3	128.0	11.44	37.4	6.8	1.50	4.60	.80	4.40	.84	2.31	.37	2.29	.33
24168	1071.0	4	10.1	2.7	22.5	7.5	56.7	88.1	3	93.2	1.1	45.3	2.1	82	9.1	285.6	18.3	41.0	110.5	10.16	33.5	6.0	1.30	3.72	.59	3.38	.59	1.79	.29	1.88	.27
24169	1624.1	6	13.0	5.0	22.8	7.6	34.2	145.3	2	135.4	1.4	43.8	2.6	74	9.3	262.6	37.0	62.2	145.6	16.26	57.1	10.5	2.48	7.45	1.17	6.73	1.14	3.35	.54	3.07	.46
24170	1129.3	3	14.9	3.1	17.9	6.3	22.3	95.3	2	154.7	1.2	31.4	5.2	77	4.3	226.1	39.7	58.5	125.5	14.07	50.5	9.4	2.38	7.21	1.20	7.02	1.22	3.68	.54	3.12	.56
24171	1139.7	3	26.4	7.2	20.5	5.9	90.0	97.3	2	273.3	3.7	24.8	3.6	177	3.8	223.6	29.3	85.5	181.6	17.63	58.1	9.8	2.68	6.92	1.17	5.92	1.03	2.80	.41	2.52	.35
24172	893.3	3	11.0	5.2	21.4	6.2	35.3	129.6	2	119.2	1.2	28.2	2.5	78	4.8	231.3	26.4	71.3	140.3	14.53	46.4	7.7	1.58	5.12	.76	4.69	.88	2.37	.38	2.13	.27
24173	1031.6	10	17.4	5.3	22.0	5.2	37.2	106.7	2	145.4	1.2	44.5	2.7	76	9.2	185.2	36.4	88.0	202.0	20.89	66.7	11.3	2.63	7.65	1.29	6.73	1.27	3.28	.49	2.94	.41
24174	601.3	1	7.4	3.9	19.7	7.5	32.3	112.3	2	76.8	1.2	21.0	2.5	73	3.5	263.8	20.5	58.4	122.3	11.52	37.8	6.0	1.25	3.52	.65	3.64	.62	1.98	.28	1.97	.31
24175	858.7	3	15.2	4.6	18.4	6.7	25.6	92.8	2	153.3	1.1	28.7	2.6	65	3.6	233.8	26.5	76.3	186.4	15.27	48.2	8.3	1.81	4.96	.95	4.92	.88	2.58	.41	2.42	.36
24176	514.2	3	16.6	2.8	17.1	7.8	20.4	89.5	2	68.4	1.1	16.3	2.3	67	3.3	269.0	21.5	53.0	104.6	10.94	35.1	6.4	1.08	3.86	.66	3.97	.72	2.12	.34	2.06	.33
24177	857.1	2	22.6	5.3	24.4	6.1	20.0	174.9	2	61.0	1.6	18.0	2.5	76	4.0	224.1	17.9	58.0	116.4	12.24	42.5	6.9	.93	3.63	.64	3.16	.65	1.87	.31	2.05	.29
24178	697.9	2	15.8	4.1	19.0	4.6	15.7	141.6	1	453.4	1.2	15.1	1.9	56	1.9	159.9	19.4	45.1	87.3	9.91	34.4	6.0	1.27	4.16	.69	3.65	.66	1.86	.28	1.91	.27
24179	739.3	3	15.5	4.4	22.7	4.5	16.5	148.4	2	196.8	1.3	17.8	2.0	70	1.7	179.0	24.2	51.3	100.2	11.37	39.7	7.0	1.48	5.36	.77	4.23	.81	2.32	.35	2.11	.36
24180	590.1	3	16.2	3.3	21.4	8.2	13.1	123.4	1	54.4	1.1	20.8	2.3	56	2.8	292.4	23.8	46.2	102.4	10.55	36.2	6.5	1.34	4.61	.77	4.50	.83	2.40	.36	2.51	.36
24181	632.5	2	13.9	3.7	19.9	7.2	13.1	126.5	2	44.9	1.1	17.6	2.3	58	1.6	254.8	17.9	46.3	98.2	10.15	36.7	5.8	1.03	3.64	.53	2.98	.63	1.85	.29	1.74	.27
24182	588.4	2	10.0	3.9	21.7	8.5	15.6	115.7	2	48.6	1.3	17.5	2.8	72	1.4	299.3	21.6	51.8	108.2	11.17	39.6	6.3	1.23	4.30	.63	4.07	.80	2.07	.36	2.26	.32
STANDARD	480.3	1	27.0	7.3	18.0	10.1	19.7	27.8	13	401.7	7.8	9.8	16.3	191	16.3	286.8	34.0	13.1	29.0	3.41	14.3	2.9	.92	3.02	.52	3.21	.64	1.80	.28	1.86	.28

Standard is STANDARD SO-18. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
24183	697.2	2	13.4	2.4	15.6	6.0	30.5	78.5	1	98.3	1.1	18.0	2.6	66	2.4	229.9	24.0	58.5	130.3	11.33	42.8	7.6	1.57	4.83	.75	4.15	.77	2.27	.34	2.14	.29
24184	991.0	3	21.1	5.0	23.8	6.6	26.0	184.0	2	38.7	1.6	25.0	2.3	84	5.2	201.0	18.4	60.3	117.5	12.22	43.8	7.6	1.25	4.40	.61	3.28	.60	1.81	.29	1.75	.27
24185	511.9	2	12.7	1.7	18.6	7.6	34.6	99.8	2	62.7	1.1	18.4	2.1	82	3.4	267.1	16.4	42.6	88.9	8.22	27.0	4.9	.93	2.93	.50	2.93	.54	1.69	.26	1.57	.25
24186	569.9	3	10.4	2.8	19.6	7.9	37.3	102.8	2	63.4	1.2	24.5	2.2	83	4.4	281.5	21.0	47.5	99.8	9.60	33.2	5.7	1.15	3.90	.65	3.61	.72	2.01	.31	2.02	.29
24187	555.5	2	13.1	2.3	16.9	7.1	33.8	91.8	1	73.7	1.1	21.1	2.2	85	2.7	256.7	21.6	56.5	126.2	10.60	37.4	6.3	1.32	4.00	.66	3.95	.76	2.16	.26	1.94	.27
24188	1919.4	3	15.4	2.0	23.0	7.7	59.4	123.3	2	93.8	1.6	37.9	1.7	77	5.8	265.7	28.0	47.9	132.5	12.94	47.4	8.9	2.06	6.19	1.06	5.66	.98	2.82	.37	2.44	.32
24189	604.0	2	11.6	2.5	15.2	6.9	26.1	79.4	1	83.5	1.1	18.7	1.9	70	2.3	252.1	19.5	56.0	115.1	10.73	38.0	6.0	1.17	4.23	.67	3.63	.67	2.06	.32	1.92	.30
24190	1778.2	2	14.6	2.0	23.3	3.5	105.2	152.6	2	65.5	1.4	36.8	1.3	59	6.6	125.1	18.9	30.1	92.7	7.21	28.8	6.6	1.60	5.32	.84	4.30	.75	1.79	.27	1.40	.21
24191	1730.2	4	22.1	2.6	23.3	5.5	65.9	128.0	2	49.3	1.4	58.1	1.6	74	7.1	201.4	26.3	30.2	146.3	7.45	28.3	7.5	1.98	6.59	1.26	6.53	1.13	2.76	.36	2.20	.30
24192	705.4	3	10.5	2.3	16.8	6.5	28.8	98.2	1	77.5	1.1	20.7	2.1	71	3.1	222.4	17.8	54.4	109.0	10.53	36.6	6.1	1.15	3.46	.58	3.11	.59	1.76	.27	1.88	.24
24193	670.0	2	9.1	2.3	18.5	7.2	48.2	103.7	2	72.0	1.5	28.0	2.4	75	3.7	257.0	19.0	47.9	101.5	9.05	31.4	4.9	1.02	3.08	.57	3.27	.64	1.86	.29	1.93	.26
24194	779.7	3	11.9	3.1	20.9	7.6	37.1	133.6	2	71.2	1.4	27.5	2.0	76	4.9	293.0	19.3	42.3	91.2	8.83	31.2	5.6	1.06	3.14	.57	3.44	.61	1.94	.32	1.93	.28
24195	549.4	2	11.7	2.4	16.6	5.5	28.3	85.1	1	67.1	1.0	32.7	2.1	65	2.1	210.9	20.0	67.9	154.7	12.91	45.8	7.5	1.55	4.99	.74	4.15	.66	1.89	.29	1.89	.25
24196	730.7	4	15.5	8.4	24.5	6.1	22.2	130.1	3	132.4	1.4	21.1	2.5	70	5.2	210.0	21.4	58.4	117.9	11.97	43.0	6.1	1.29	4.40	.70	4.03	.78	2.16	.36	2.28	.32
RE 24196	758.7	3	14.6	8.8	24.4	5.7	22.0	132.7	3	135.7	1.4	22.3	2.5	71	4.8	205.4	21.1	58.7	119.1	12.05	43.1	6.3	1.17	4.10	.68	3.64	.70	2.08	.32	2.24	.30
24197	874.9	2	15.2	3.6	17.7	5.8	29.1	116.5	2	97.0	1.3	22.4	2.3	74	5.4	211.2	20.4	59.3	129.1	11.57	41.1	7.3	1.27	4.49	.75	3.83	.66	1.86	.30	1.90	.27
24198	431.2	1	12.8	2.1	14.7	6.9	26.6	70.1	1	95.5	1.4	15.2	2.0	105	1.5	256.9	19.0	46.8	91.1	9.04	31.1	5.2	1.04	3.57	.61	3.26	.65	1.83	.27	1.73	.26
24199	1125.4	3	17.2	.7	21.6	3.0	281.4	46.8	7	55.0	1.3	88.0	.8	137	6.8	85.1	22.6	63.7	224.3	21.06	82.4	16.4	4.35	10.07	1.36	6.09	.86	1.91	.22	1.26	.17
24200	637.1	2	15.4	2.4	17.0	7.0	37.9	74.8	2	93.7	1.3	24.8	2.0	88	2.3	247.5	31.3	54.3	160.5	12.17	46.0	9.0	2.05	6.69	1.21	6.52	1.10	3.42	.46	2.88	.40
24201	1275.0	4	15.2	4.0	21.1	7.9	49.4	109.9	3	126.2	1.0	33.0	1.8	80	6.6	280.7	38.4	61.7	149.9	15.48	56.6	10.6	2.57	7.74	1.33	7.25	1.31	3.74	.49	3.10	.40
24202	549.7	2	11.1	3.1	17.2	7.7	32.9	88.8	2	78.7	1.2	22.1	2.3	75	2.4	273.3	21.9	66.5	138.1	12.74	44.2	7.4	1.39	4.43	.77	4.05	.70	2.23	.33	2.17	.27
24203	974.6	4	10.7	5.2	24.0	7.2	32.9	136.5	2	102.4	1.4	27.1	2.3	88	5.3	247.8	30.1	61.3	130.5	14.29	52.0	8.5	1.61	5.81	.91	5.11	.99	2.81	.42	2.69	.37
24204	1517.4	10	26.9	11.5	20.0	10.3	74.0	114.8	5	85.1	.9	287.6	2.0	107	14.0	316.6	79.5	172.2	470.1	55.37	201.8	30.8	7.40	19.09	3.03	14.86	2.62	7.22	1.03	5.68	.74
24205	776.9	3	12.4	4.6	22.0	7.5	20.1	129.9	2	95.6	1.3	29.0	2.6	74	4.4	258.9	28.7	47.4	99.6	10.59	39.7	7.1	1.34	5.17	.78	5.20	.96	2.80	.41	2.37	.35
24206	1119.7	2	8.5	5.0	24.5	5.5	22.0	144.1	2	85.1	1.1	19.3	2.2	82	4.2	183.8	18.2	43.2	87.6	9.04	33.0	5.2	.89	3.20	.55	3.01	.60	1.79	.28	1.65	.24
24207	578.9	1	11.1	3.1	17.9	7.1	25.5	95.9	2	87.6	1.2	19.6	2.3	86	2.6	258.7	21.9	47.3	107.1	9.93	34.3	5.7	1.04	3.52	.65	3.67	.73	2.21	.34	1.95	.36
24208	746.7	2	23.7	4.4	19.9	5.7	69.3	90.3	2	61.4	1.5	32.6	1.7	102	4.2	208.0	25.6	49.8	150.7	11.62	42.1	7.7	1.75	5.09	.90	4.72	.88	2.56	.35	2.17	.31
24209	752.8	2	12.9	2.6	18.6	7.3	40.9	103.0	2	82.3	1.6	27.6	2.2	83	3.2	257.6	23.0	48.6	121.1	10.48	37.9	6.4	1.25	4.31	.71	4.10	.79	2.20	.32	1.98	.32
24210	993.9	2	14.9	1.4	23.1	4.3	69.9	112.8	2	57.3	1.2	41.2	1.3	68	5.4	169.0	17.4	34.1	116.1	8.53	32.8	6.3	1.43	4.42	.72	3.40	.57	1.77	.26	1.31	.21
24211	4432.6	1	9.7	2.4	23.6	1.5	306.7	175.5	2	106.0	5.1	253.4	11.0	36	2.7	91.7	53.9	111.1	560.7	33.04	146.3	39.9	11.77	30.92	4.06	16.19	2.12	4.45	.49	2.88	.31
24212	2275.7	2	9.5	4.0	24.6	4.4	347.1	85.1	3	65.3	4.9	152.6	5.7	57	3.3	157.4	21.6	48.1	337.1	18.41	71.9	15.0	3.90	9.99	1.44	5.88	.78	1.91	.23	1.54	.21
24213	1550.4	4	17.3	2.6	21.6	9.3	38.0	113.4	2	74.6	1.4	34.8	2.2	86	6.4	349.1	24.9	46.7	109.4	11.09	40.5	6.8	1.45	4.84	.76	4.55	.79	2.46	.37	2.29	.32
24214	1067.1	3	15.9	1.5	24.2	6.8	87.1	116.9	2	70.3	1.4	47.7	1.7	76	6.0	261.2	35.4	38.4	101.0	8.92	33.3	7.4	1.96	6.10	1.19	6.69	1.23	3.33	.47	2.74	.35
24215	1040.7	4	17.1	1.6	23.0	6.6	62.9	119.0	2	74.0	1.3	36.0	1.5	68	6.4	254.3	54.1	41.7	93.7	9.35	35.3	8.6	2.59	9.24	1.78	10.63	2.01	5.31	.65	4.15	.49
STANDARD	482.3	1	27.3	7.1	18.1	9.6	19.5	27.5	12	391.8	7.4	10.5	16.1	195	15.6	288.7	33.7	12.8	28.2	3.36	13.7	3.1	.88	3.02	.52	2.94	.64	1.83	.29	1.80	.28

Standard is STANDARD SO-18. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
24216	2998.0	2	19.7	3.2	24.3	6.1	65.4	119.0	1	47.5	1.5	51.6	2.0	71	4.0	235.7	48.6	59.7	246.7	23.95	86.5	18.1	5.07	12.82	2.10	10.74	1.99	5.75	.89	5.86	.81
24217	607.2	5	14.1	1.3	20.8	6.9	43.4	110.3	2	68.1	1.2	75.3	3.0	74	19.2	262.1	46.3	51.1	155.3	15.04	57.7	12.3	3.14	10.04	1.61	8.46	1.60	4.70	.66	3.98	.55
24218	683.8	3	14.6	2.6	19.5	7.8	36.3	100.8	2	88.3	1.3	29.9	2.3	75	4.1	278.7	23.3	55.8	124.6	11.46	38.7	6.9	1.64	4.91	.78	4.33	.80	2.39	.38	2.13	.32
24219	391.4	1	16.0	2.4	12.7	6.1	37.2	54.7	1	117.3	1.6	9.5	2.3	129	2.5	231.8	18.5	34.3	70.9	7.44	27.5	4.9	1.40	4.13	.63	3.71	.66	1.94	.29	1.78	.28
24220	1189.5	3	15.7	4.8	22.3	7.9	35.8	135.2	2	118.5	1.3	77.9	2.5	84	6.5	267.5	27.8	54.0	127.4	13.57	49.3	7.9	1.75	5.41	.88	4.80	.90	2.88	.38	2.69	.33
24221	1875.3	3	19.2	5.2	24.0	6.1	87.5	92.8	2	132.4	1.5	56.6	2.5	84	8.1	225.3	38.1	103.5	252.3	25.11	86.8	15.0	4.07	10.78	1.62	7.95	1.31	3.58	.49	2.74	.37
24222	1793.3	4	26.2	3.8	23.9	8.1	89.5	103.0	2	128.9	1.5	33.0	2.3	72	5.7	329.0	42.5	76.2	186.7	17.63	58.3	10.4	2.82	8.65	1.44	8.03	1.47	4.12	.58	3.71	.53
24223	1110.3	4	17.3	4.5	22.2	6.9	36.5	110.3	2	170.0	1.3	32.9	4.0	83	6.5	269.6	37.6	56.3	132.1	13.88	48.1	9.0	2.22	7.02	1.20	6.22	1.19	3.25	.49	3.39	.46
24224	1342.4	2	17.7	6.1	22.3	6.6	45.5	142.8	2	156.6	1.4	34.0	4.3	99	4.9	230.4	36.7	73.0	168.4	18.90	66.4	10.7	2.48	8.02	1.13	6.16	1.19	3.56	.54	3.38	.42
24225	918.2	6	9.7	4.7	24.8	7.5	42.6	82.6	2	151.3	1.2	51.5	3.4	82	7.4	279.9	39.3	64.6	151.3	16.84	59.2	10.2	2.77	7.69	1.27	6.83	1.30	3.70	.56	3.30	.42
24226	754.8	2	9.1	3.4	18.9	7.5	44.7	106.0	2	82.7	1.7	28.6	2.7	75	4.3	268.8	20.8	57.4	130.5	11.87	39.2	6.9	1.24	4.31	.68	3.73	.68	2.12	.32	1.83	.29
24227	688.6	3	10.5	3.5	20.6	7.3	40.2	107.5	2	112.2	1.6	23.5	2.4	79	5.2	280.8	43.4	60.4	122.5	12.62	46.2	8.6	2.27	7.33	1.21	6.45	1.26	3.75	.54	3.43	.41
24228	721.9	3	15.5	3.3	19.9	7.3	35.8	122.3	2	75.3	1.6	27.1	2.3	76	5.6	249.4	22.3	59.4	126.0	12.94	43.1	7.5	1.49	4.77	.78	4.29	.73	2.28	.32	2.08	.31
24229	796.0	2	10.6	2.3	18.6	7.4	39.0	99.5	3	73.7	1.4	28.8	2.2	76	5.1	264.3	24.9	59.4	134.3	13.08	49.9	8.3	1.97	6.17	.89	4.75	.89	2.59	.34	2.51	.31
24230	663.0	3	13.0	2.5	17.2	6.8	42.8	94.5	3	67.6	1.7	27.7	2.5	69	4.2	266.1	24.0	49.9	106.5	10.31	35.0	6.3	1.48	4.33	.76	4.34	.73	2.39	.38	2.03	.32
24231	863.8	3	15.3	1.9	19.2	6.2	44.8	98.1	2	68.6	1.3	39.6	2.0	65	5.8	224.5	32.0	47.8	146.7	11.44	43.3	9.7	2.56	8.70	1.32	7.02	1.16	3.13	.43	2.52	.37
24232	641.4	2	13.0	1.9	20.6	8.0	38.9	123.4	3	56.0	1.4	25.0	1.7	72	5.0	279.9	14.6	33.0	83.2	6.93	24.6	4.4	.90	2.94	.48	2.70	.45	1.48	.21	1.41	.22
RE 24232	627.9	2	12.6	1.9	20.8	7.2	39.8	123.7	3	53.1	1.3	26.6	1.8	75	5.1	267.6	14.3	33.3	85.0	6.79	23.1	3.9	.90	2.92	.47	2.63	.50	1.52	.27	1.66	.23
24233	730.3	2	13.8	1.7	15.8	7.2	55.8	82.7	2	77.1	1.6	28.5	2.6	68	4.1	270.2	25.1	66.6	168.3	13.03	43.1	7.5	1.67	5.72	.87	4.78	.90	2.59	.35	2.29	.32
24234	697.6	2	13.9	2.0	17.0	6.2	38.2	84.6	2	79.4	1.3	31.1	2.1	70	5.2	247.8	22.5	39.7	121.5	9.59	35.1	6.3	1.54	5.35	.82	4.18	.78	2.27	.34	2.14	.28
24235	579.5	1	11.3	2.3	16.7	7.9	35.0	89.5	2	99.7	1.4	22.9	2.6	81	2.9	293.2	24.8	50.3	108.0	10.68	37.5	6.6	1.41	4.64	.79	4.19	.88	2.45	.38	2.37	.30
24236	4737.8	3	15.1	1.0	15.8	2.8	149.1	103.0	2	35.1	1.5	32.4	.9	65	9.9	91.1	26.6	57.5	192.0	15.83	51.6	8.6	2.31	6.82	1.16	5.94	.97	2.66	.38	2.05	.28
24237	2100.8	4	16.1	.4	14.7	1.7	60.0	40.0	2	102.4	1.6	21.4	.8	31	9.6	71.0	86.6	76.5	159.1	22.24	86.1	19.7	5.65	16.37	2.77	15.90	3.07	8.56	1.27	7.29	.97
24238	663.1	1	12.0	2.7	17.8	5.7	34.0	87.7	2	80.8	1.2	28.8	2.2	75	3.0	213.3	22.1	49.0	133.9	10.57	37.7	6.9	1.57	4.54	.79	4.10	.78	2.26	.33	2.14	.31
24239	658.3	2	11.3	2.7	19.2	7.0	37.3	107.2	2	79.3	1.2	25.9	2.3	85	3.4	254.7	21.8	50.3	99.1	10.42	34.4	5.7	1.23	3.82	.63	3.56	.75	2.05	.36	2.08	.30
24240	799.1	2	13.9	2.7	17.9	5.9	38.5	99.1	2	86.2	1.1	29.4	2.3	68	2.8	222.6	29.5	73.8	169.1	15.05	53.3	9.5	2.13	6.66	1.09	5.77	1.06	2.91	.41	2.35	.34
24241	778.6	3	15.7	2.8	17.7	6.3	19.3	120.2	1	100.1	1.0	25.8	2.6	61	3.3	232.0	30.2	50.5	103.7	12.32	41.8	7.3	1.88	5.26	.88	4.77	.93	2.78	.42	2.54	.38
24242	873.7	3	22.4	3.6	22.0	6.7	34.1	145.1	2	105.9	1.6	32.0	2.7	76	5.8	250.9	31.5	56.0	123.8	13.10	46.0	8.0	1.71	5.84	1.00	5.34	1.09	3.03	.50	3.05	.37
24243	1072.9	2	21.6	6.5	22.8	5.2	144.3	113.6	2	161.8	1.5	76.0	3.8	81	7.2	213.3	55.8	300.5	497.2	44.93	129.7	16.5	4.52	10.25	1.76	9.90	1.85	5.18	.80	4.87	.67
24244	607.8	2	6.6	4.1	19.6	7.2	40.2	105.5	2	81.1	1.4	28.1	2.5	88	4.6	271.3	25.2	59.1	119.9	13.15	46.0	7.3	1.54	4.59	.74	3.91	.84	2.48	.34	2.25	.32
24245	966.9	3	13.7	5.9	25.5	5.9	31.7	160.4	2	134.4	1.4	32.3	2.6	82	7.7	222.2	38.7	99.1	184.8	20.28	67.3	10.6	2.62	7.43	1.15	6.24	1.28	3.41	.52	3.10	.41
24246	724.5	2	13.7	3.1	21.2	7.2	22.6	110.0	2	94.9	1.2	20.7	2.3	64	3.9	228.5	25.5	57.8	115.3	13.30	44.4	7.6	1.54	4.98	.80	4.44	.86	2.42	.39	2.22	.34
24247	980.1	4	11.8	5.2	22.2	5.6	38.7	128.1	2	107.0	1.7	31.3	2.6	88	6.0	218.2	21.7	58.4	125.1	13.04	42.8	7.3	1.62	5.09	.81	4.17	.75	2.26	.31	1.86	.26
24248	1059.7	2	14.6	4.4	21.1	6.0	47.5	106.4	2	120.8	1.5	40.3	2.9	71	4.6	208.2	27.7	64.9	166.6	14.99	53.7	8.8	2.24	6.06	1.01	5.07	.95	2.73	.40	2.68	.34
STANDARD	490.7	1	27.0	7.1	18.1	10.1	19.4	28.5	11	423.9	7.7	10.4	16.4	190	16.1	292.5	34.0	12.6	28.2	3.52	14.6	2.9	.91	2.87	.52	3.13	.65	1.85	.29	1.83	.28

Standard is STANDARD SO-18. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
24249	994.5	3	12.0	3.9	22.2	5.8	44.8	118.7	2	133.3	1.8	29.2	3.1	71	5.7	211.1	36.8	79.4	153.5	17.74	61.4	10.7	2.50	7.02	1.12	6.04	1.14	3.11	.48	3.01	.44
24250	475.1	2	17.4	2.5	15.3	4.6	33.2	93.2	1	53.7	1.1	18.7	2.3	58	2.2	160.0	25.0	54.6	142.7	12.49	45.8	9.2	2.31	7.10	1.06	5.33	.87	2.40	.34	1.94	.27
24251	554.2	4	10.1	2.5	17.8	6.4	57.9	81.0	4	72.7	1.5	27.6	2.5	75	3.8	233.9	43.9	101.3	207.9	19.65	69.8	14.7	3.90	11.89	1.99	10.51	1.70	4.50	.67	3.87	.50
RE 24251	570.5	4	10.2	2.4	18.2	6.4	58.5	80.6	4	76.0	1.5	29.3	2.5	76	3.8	250.3	44.6	97.7	201.5	18.74	64.5	13.9	3.77	11.75	1.99	10.13	1.70	4.59	.64	4.08	.51
24252	604.9	4	11.9	.8	21.9	6.6	27.7	123.9	19	38.3	1.3	27.1	1.7	72	12.9	236.2	50.7	70.5	129.7	15.76	56.2	11.3	3.16	9.53	1.63	9.08	1.75	5.05	.73	4.70	.64
24253	773.2	3	11.7	1.9	16.6	7.0	33.0	74.1	3	111.1	1.2	35.4	2.1	83	3.3	267.5	54.2	64.8	127.0	14.83	54.6	12.1	3.09	9.49	1.67	9.01	1.70	5.13	.75	4.70	.67
24254	630.7	4	12.2	2.6	18.5	7.2	28.5	97.9	4	72.1	1.1	31.2	2.0	84	7.3	259.4	38.0	48.4	119.3	10.73	39.1	8.7	2.35	7.58	1.33	7.32	1.29	3.61	.53	3.21	.45
24255	675.2	3	11.7	2.2	18.9	7.3	44.0	98.7	4	65.0	1.4	27.5	2.1	73	4.0	278.2	21.2	46.5	104.3	11.37	41.5	7.0	1.40	4.36	.66	3.78	.70	2.06	.29	2.12	.30
24256	493.6	2	15.0	1.8	20.3	6.1	52.3	76.8	3	65.0	1.4	31.9	1.8	75	4.1	240.1	19.8	37.4	93.5	8.49	29.7	5.8	1.38	4.89	.75	3.93	.64	1.98	.28	1.97	.27
24257	1252.0	3	13.7	1.3	21.5	6.0	90.7	74.3	4	66.1	1.4	66.6	1.4	76	5.5	230.2	34.9	35.0	215.3	12.82	50.0	10.6	2.92	7.89	1.46	7.61	1.28	3.24	.46	2.90	.35
24258	865.2	1	21.8	.4	23.2	2.3	95.1	55.8	2	21.6	1.3	75.9	.7	67	5.4	85.2	33.8	42.0	281.2	16.61	61.9	13.7	3.89	10.57	1.70	8.89	1.42	3.60	.47	3.02	.36
24259	798.9	4	11.9	2.6	22.1	7.8	44.9	110.3	3	68.9	1.4	27.2	1.9	84	5.1	262.1	17.3	34.0	82.3	7.41	25.8	4.6	.98	3.10	.54	2.82	.58	1.84	.26	1.95	.26
24260	971.5	6	16.0	1.9	23.9	6.2	50.6	132.6	3	44.1	1.7	46.1	2.2	85	11.2	233.5	12.9	24.2	58.4	5.49	19.0	3.5	.75	2.44	.40	2.17	.44	1.40	.22	1.43	.20
24261	868.6	5	13.1	1.8	23.7	8.2	46.7	110.9	4	71.5	1.3	35.7	1.8	89	7.4	292.9	18.6	25.8	67.8	6.81	25.4	4.8	1.05	3.48	.55	3.11	.64	1.89	.28	1.93	.28
24262	737.3	8	15.1	.9	24.5	7.7	70.5	108.3	3	37.3	1.2	52.7	1.1	91	7.8	265.3	11.9	8.5	71.9	2.79	11.2	3.0	.87	2.53	.52	2.69	.47	1.21	.15	1.09	.15
24263	1003.6	3	14.1	4.9	18.9	6.2	53.6	89.5	3	101.3	1.4	43.9	4.0	72	5.8	237.9	81.5	97.6	165.9	27.25	98.3	18.0	4.78	14.42	2.28	11.96	2.30	6.35	.90	5.97	.84
24264	770.9	3	12.1	2.3	20.9	7.3	72.8	106.1	3	69.8	1.6	41.0	2.4	87	5.8	301.9	20.9	43.1	100.6	9.64	34.4	6.2	1.48	4.40	.70	3.85	.72	2.16	.31	2.18	.28
24265	796.4	8	36.5	3.6	21.4	8.7	34.0	109.1	2	117.5	1.3	47.8	2.6	66	7.0	330.0	35.3	51.9	124.0	13.81	50.8	10.0	2.34	7.72	1.26	6.60	1.18	3.46	.49	3.18	.41
24266	775.4	4	17.3	3.9	20.3	5.9	42.8	103.5	2	90.4	1.1	65.4	2.3	74	6.7	231.9	34.7	44.9	114.3	11.61	43.4	9.4	2.20	7.37	1.20	6.46	1.19	3.35	.48	3.25	.44
24267	1570.3	3	13.5	6.3	24.1	5.4	39.1	148.3	2	130.2	1.3	28.8	2.1	78	4.4	189.5	28.1	52.3	114.3	12.89	46.4	8.3	1.85	6.29	.87	5.12	.90	2.68	.41	2.54	.36
24268	1077.4	3	17.1	4.6	25.9	5.4	22.1	165.0	2	76.3	1.2	20.7	2.3	81	3.8	196.9	25.3	62.3	125.7	14.13	47.8	8.7	1.38	5.76	.86	4.60	.79	2.32	.35	2.16	.31
24269	681.4	3	10.4	4.9	21.9	6.4	41.5	128.0	2	97.3	1.3	27.1	2.6	78	4.8	235.3	24.4	65.5	133.5	14.40	48.0	7.9	1.67	5.39	.85	4.38	.82	2.33	.32	2.22	.31
24270	874.5	3	16.3	5.0	25.0	6.7	34.0	130.1	2	105.6	1.2	32.8	2.3	79	6.0	250.3	26.3	48.4	108.8	11.63	38.5	7.4	1.29	4.35	.77	4.36	.79	2.51	.36	2.60	.31
24271	802.3	4	22.3	8.1	24.0	7.4	150.5	117.5	2	150.3	5.8	52.0	4.4	123	5.8	334.8	25.1	77.0	162.3	16.32	52.8	9.0	1.93	5.57	.91	4.76	.83	2.44	.36	2.27	.32
24272	837.4	4	13.6	6.3	22.7	4.9	33.8	131.0	2	92.6	1.3	30.4	3.8	84	5.3	179.3	30.5	57.1	128.3	13.50	46.8	8.8	1.87	6.28	1.01	5.05	1.02	2.83	.35	2.24	.32
24273	694.9	3	15.9	4.4	20.3	6.8	23.4	114.0	2	128.7	1.2	25.0	5.4	78	3.9	240.5	47.6	75.2	131.1	16.33	56.5	10.7	2.30	8.05	1.34	7.15	1.42	4.01	.57	3.92	.60
24274	791.3	3	12.8	6.0	26.6	6.3	75.3	137.1	3	137.6	2.1	24.1	2.9	74	7.5	257.6	26.3	53.7	118.0	11.52	39.9	6.8	1.35	5.05	.83	4.38	.88	2.67	.37	2.63	.36
24275	737.0	4	16.5	5.0	26.2	5.2	23.1	102.0	2	125.6	1.1	34.6	2.9	86	5.8	180.6	31.1	51.4	118.2	12.09	42.4	8.2	1.77	6.06	.99	5.21	1.04	2.81	.40	2.19	.33
24276	678.9	3	11.9	3.5	23.7	8.1	18.3	142.9	2	40.0	1.3	19.0	2.6	69	12.7	283.4	17.8	47.9	101.3	10.52	36.6	6.1	.99	3.65	.55	2.93	.61	1.87	.30	1.77	.28
24277	1070.9	5	20.9	2.1	21.5	5.9	103.5	113.5	7	130.3	3.4	57.7	2.7	100	8.9	231.4	53.2	91.5	185.0	20.89	80.4	18.3	4.79	14.28	2.15	10.17	1.76	4.67	.65	3.85	.54
24278	2625.6	6	22.5	3.2	23.4	6.9	52.0	142.7	14	81.9	1.9	37.9	3.0	81	12.0	266.9	48.0	78.4	154.1	16.52	60.1	11.9	2.94	9.88	1.59	8.57	1.52	4.33	.70	4.39	.66
24279	1480.1	5	19.3	4.1	22.0	6.7	42.7	132.3	3	250.4	1.4	109.0	2.9	86	8.0	244.5	189.9	72.1	149.2	19.46	90.2	35.9	12.80	48.34	8.49	43.22	7.08	15.94	1.80	9.44	1.17
24280	715.4	2	10.3	2.4	21.5	9.3	29.7	100.6	2	94.2	1.1	24.8	2.6	68	3.9	333.9	25.0	43.3	100.1	9.91	37.2	6.6	1.48	4.97	.80	4.04	.85	2.46	.37	2.26	.35
24281	780.3	3	17.2	1.9	22.6	8.1	38.2	135.5	2	53.3	1.4	29.8	2.4	72	7.4	275.3	30.0	50.0	114.5	10.74	40.7	7.3	1.67	5.55	.99	5.69	1.02	2.92	.38	2.53	.38
STANDARD	481.8	<1	26.8	7.4	18.8	9.6	19.4	27.8	13	401.0	7.6	9.6	16.1	198	15.9	285.2	32.9	12.9	28.7	3.55	13.8	3.2	.89	2.99	.52	3.07	.64	1.91	.29	1.73	.28

Standard is STANDARD SO-18. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
24282	904.3	4	15.4	2.3	25.1	12.2	51.6	124.6	3	85.8	1.2	37.3	3.1	105	6.1	529.1	71.4	47.5	94.4	11.55	43.7	10.0	2.85	10.61	2.00	11.67	2.36	6.57	.99	5.95	.80	
24283	1081.5	2	13.4	2.0	23.2	6.2	173.2	127.8	3	92.1	4.2	60.8	9.1	76	6.0	279.3	25.2	66.3	208.0	15.51	58.5	10.7	2.66	7.94	1.13	5.01	.84	2.40	.39	2.21	.30	
24284	559.2	3	13.4	1.5	18.8	5.8	39.4	111.1	2	48.0	1.2	46.7	1.7	70	6.9	229.9	24.8	35.6	99.0	8.83	32.9	6.8	1.67	5.86	.97	4.99	.93	2.51	.36	2.25	.31	
24285	790.3	6	14.8	1.6	22.0	8.1	61.6	126.6	3	66.4	1.1	38.5	1.9	93	9.3	304.7	16.1	15.8	86.1	3.89	15.0	3.0	.84	2.49	.45	2.69	.57	1.70	.31	1.80	.27	
24286	955.7	3	17.2	1.6	23.2	7.3	44.1	123.4	2	99.2	1.2	33.0	2.1	84	7.1	272.5	26.8	15.3	63.1	4.00	15.5	3.7	1.09	3.73	.72	4.18	.90	2.84	.45	2.45	.37	
24287	635.0	3	20.7	4.3	17.3	7.5	50.7	68.4	2	96.5	2.1	28.0	3.3	100	4.0	283.3	27.6	68.0	165.6	14.26	51.1	8.3	2.00	6.33	1.00	5.04	.97	2.68	.41	2.69	.36	
24288	1193.5	6	17.5	2.7	22.8	6.4	59.6	113.0	2	105.7	1.3	40.9	2.0	87	7.1	240.6	33.8	54.2	128.0	13.36	46.7	8.5	2.18	6.71	1.10	5.80	1.18	3.24	.51	2.98	.43	
24289	1119.8	4	18.2	5.0	22.3	7.4	35.6	146.9	2	145.2	1.3	37.3	2.4	71	5.8	272.4	31.5	52.9	114.1	13.48	50.5	8.6	1.86	6.58	1.02	5.21	1.09	2.98	.49	2.87	.41	
24290	1331.3	6	15.2	6.3	25.3	6.6	53.3	143.2	2	168.2	1.9	40.9	2.8	92	7.4	252.6	30.8	62.9	127.1	14.65	51.4	8.5	2.00	6.20	1.05	5.54	1.02	2.98	.45	2.75	.36	
24291	865.9	3	15.5	6.1	24.9	6.2	54.2	149.5	2	124.5	1.4	33.3	2.2	81	4.6	241.6	32.1	56.5	110.7	13.32	51.5	9.8	2.17	6.99	1.01	5.16	1.07	2.92	.43	2.55	.38	
24292	764.2	6	18.4	7.9	18.4	5.9	54.2	98.9	2	188.2	2.2	27.8	2.5	118	5.1	230.1	26.8	55.9	123.9	12.26	46.5	7.3	1.96	5.88	.95	5.10	.90	2.64	.41	2.33	.33	
24293	826.5	2	27.8	4.7	23.4	5.4	22.5	151.0	2	106.0	1.3	26.3	2.5	88	5.4	197.2	31.0	61.9	117.4	14.09	51.2	9.1	1.52	6.51	.98	5.28	1.02	2.76	.40	2.41	.34	
24294	921.7	3	17.9	5.7	24.0	6.5	43.1	164.8	2	134.8	1.4	30.1	2.6	85	4.5	238.4	30.2	72.5	132.3	15.13	51.9	8.4	1.51	6.17	.94	4.99	1.00	2.80	.43	2.61	.35	
24295	904.7	3	22.6	5.4	23.9	3.8	27.5	173.5	2	78.0	1.4	21.9	2.2	79	3.2	144.9	13.7	83.3	153.0	17.33	58.5	8.0	1.45	4.03	.60	2.67	.48	1.33	.23	1.41	.21	
24296	776.8	2	15.6	5.7	24.0	5.9	21.7	139.8	2	82.1	1.3	23.5	2.3	86	4.0	215.4	25.9	44.0	96.9	10.71	39.0	6.2	1.24	4.42	.78	4.09	.86	2.38	.40	2.08	.30	
24297	840.4	2	23.8	6.5	25.0	5.9	27.0	163.8	2	106.4	1.5	40.5	2.7	86	4.4	213.6	37.5	80.8	154.2	18.27	66.8	10.9	2.01	7.88	1.15	6.10	1.24	3.34	.53	3.20	.43	
24298	758.8	3	22.0	5.4	24.4	4.8	22.3	141.3	2	93.7	1.2	29.6	2.2	79	4.9	171.6	28.6	47.9	100.1	10.86	41.1	6.9	1.47	5.18	.84	4.67	.94	2.51	.35	2.17	.29	
24299	780.4	2	15.1	5.2	23.8	4.2	18.8	137.1	2	69.3	1.2	22.4	2.2	84	4.4	147.4	15.4	37.9	80.3	8.78	30.8	4.9	.87	3.60	.54	2.73	.54	1.42	.22	1.25	.17	
24300	494.9	4	20.1	5.9	21.9	6.4	34.1	85.2	2	124.3	1.3	35.8	2.8	90	5.3	232.4	43.0	49.4	109.8	12.77	49.3	9.8	1.99	7.66	1.34	7.27	1.46	3.95	.58	3.28	.42	
RE 24300	517.0	3	18.7	5.6	21.6	6.5	30.5	85.6	2	126.8	1.3	35.9	2.8	89	5.1	234.6	41.8	51.1	113.1	12.71	49.4	9.2	1.97	7.88	1.24	6.75	1.40	3.90	.55	3.12	.43	
24301	839.3	2	14.8	3.8	19.8	5.6	43.0	95.4	2	312.0	1.1	28.9	3.1	67	2.5	207.2	33.5	92.2	167.8	16.47	59.3	10.1	2.09	6.99	1.19	5.70	1.16	3.26	.52	2.99	.44	
24302	667.3	2	10.7	3.6	13.3	5.4	22.4	79.1	1	191.0	.9	16.5	7.3	54	1.8	187.0	37.5	80.7	122.3	15.18	55.9	9.0	2.07	7.14	1.02	5.62	1.07	3.17	.50	2.80	.43	
24303	567.5	2	4.6	3.0	19.3	8.4	38.1	81.4	2	105.9	1.4	21.4	3.2	75	3.2	307.6	23.7	75.0	152.9	13.99	49.7	7.5	1.56	5.27	.81	4.20	.80	2.24	.36	2.30	.31	
24304	506.0	1	4.5	3.2	16.9	6.6	31.2	80.4	2	119.0	1.1	14.6	2.6	70	2.8	255.4	24.5	61.0	113.8	11.32	40.1	5.9	1.11	3.70	.60	3.47	.80	2.31	.37	2.25	.31	
24305	755.8	1	5.9	3.1	19.2	7.3	33.5	104.8	2	104.5	1.4	17.9	2.4	70	3.7	269.3	19.4	60.4	114.4	11.93	40.8	6.0	1.18	4.00	.62	3.34	.63	1.87	.33	1.93	.26	
24306	522.3	1	4.4	3.5	20.0	7.5	36.1	96.2	2	86.6	1.4	19.0	2.5	83	3.1	285.1	20.0	65.9	123.9	12.97	46.0	6.4	1.28	4.03	.58	2.92	.65	1.94	.29	1.77	.29	
24307	655.5	2	3.7	4.1	20.6	7.5	40.0	117.9	2	86.2	1.4	17.1	2.5	78	4.1	278.6	19.6	51.3	94.4	10.05	35.4	5.1	.99	3.39	.58	3.04	.65	1.85	.32	1.96	.27	
24308	521.8	2	5.5	3.5	18.4	6.3	33.3	89.1	2	88.7	1.4	15.3	2.7	79	3.0	243.7	16.9	51.1	93.6	10.01	38.1	5.6	1.05	3.61	.48	2.79	.57	1.53	.25	1.66	.24	
24309	407.7	1	10.0	2.4	13.8	5.5	27.0	65.7	2	85.9	1.1	13.4	2.6	70	2.1	216.1	17.4	53.6	110.0	10.71	39.3	5.8	1.16	3.28	.55	2.99	.56	1.64	.26	1.51	.22	
24310	607.5	2	11.2	4.4	22.2	5.0	22.0	132.1	2	131.8	1.3	15.4	2.4	76	2.9	178.1	13.9	51.6	92.1	10.63	38.8	5.1	.80	2.82	.43	2.15	.45	1.32	.23	1.41	.20	
24311	548.7	1	7.9	3.2	18.9	6.2	26.2	96.5	2	69.8	1.1	17.0	2.3	64	2.4	216.8	16.0	56.1	104.7	10.78	38.6	5.5	1.05	3.22	.48	2.61	.56	1.61	.23	1.58	.20	
24312	490.9	1	5.2	2.9	16.8	7.2	31.0	78.4	2	77.2	1.2	14.6	2.6	75	2.2	269.2	20.3	51.4	97.9	10.58	39.3	5.8	1.09	3.81	.63	3.24	.66	1.95	.34	1.90	.26	
24313	589.0	1	12.8	4.0	21.9	6.0	29.5	133.5	2	47.3	1.5	16.1	2.9	74	2.0	229.2	24.9	59.1	112.3	12.24	45.3	6.8	1.19	4.45	.76	3.97	.85	2.27	.39	2.27	.32	
24314	572.4	2	6.3	3.1	19.6	8.3	33.8	102.8	2	85.3	1.6	15.0	2.5	97	3.2	299.0	21.6	50.7	96.6	10.19	39.7	5.8	1.10	4.00	.60	3.21	.75	2.18	.34	2.09	.32	
STANDARD SO-18	483.7	1	26.7	7.1	18.2	10.0	19.4	28.6	13	406.4	7.5	10.3	16.0	191	16.3	289.4	33.6	13.2	27.7	3.59	13.5	3.2	.93	3.08	.51	3.20	.63	1.87	.30	1.74	.29	

Sample type: SOIL SP100 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
24315	686.8	2	6.0	3.3	20.1	7.5	32.6	103.4	3	75.6	1.4	16.8	2.3	94	4.4	257.7	21.6	41.3	84.9	8.34	28.5	5.2	1.06	3.28	.56	3.42	.70	2.15	.32	1.95	.30
24316	673.5	2	5.5	3.3	19.8	6.6	45.5	92.8	2	63.2	1.6	19.3	2.1	78	4.1	250.7	19.5	43.0	89.3	8.88	32.8	5.3	.93	3.54	.53	3.21	.59	1.93	.31	1.67	.24
24317	548.4	2	8.8	3.2	16.5	6.9	32.4	81.2	2	59.1	1.1	23.2	2.3	63	3.5	252.0	17.8	41.1	97.2	8.46	30.3	4.6	.99	3.44	.57	3.08	.63	1.80	.29	1.64	.25
24318	562.4	1	7.7	3.6	17.8	6.8	14.1	111.5	1	21.1	.9	14.2	2.3	53	1.4	240.4	10.4	41.5	92.8	8.94	30.7	4.6	.66	2.36	.37	1.77	.36	1.10	.15	1.24	.18
24319	610.5	2	13.9	5.0	24.6	4.9	58.3	127.6	2	85.3	1.2	15.1	2.4	83	4.1	164.3	15.7	47.0	123.7	9.02	30.4	4.7	1.05	3.07	.47	2.51	.46	1.49	.22	1.45	.19
24320	538.5	4	13.5	4.9	26.7	5.8	109.6	93.3	3	109.6	1.9	35.0	3.4	112	8.9	249.8	52.0	85.4	193.1	20.72	73.7	12.7	3.21	9.61	1.55	8.74	1.64	4.50	.67	3.47	.46
24321	599.7	2	11.3	3.2	18.1	6.8	23.5	78.1	2	47.8	1.2	23.1	2.3	63	3.6	241.0	21.7	46.6	102.2	9.64	34.8	6.1	1.14	4.33	.70	3.74	.70	2.23	.32	1.84	.29
24322	719.7	2	6.7	3.7	20.8	7.9	42.4	106.0	2	76.7	1.4	20.5	2.3	78	4.3	271.4	19.7	50.3	101.6	10.00	33.7	5.8	1.02	3.55	.57	2.93	.64	1.89	.33	1.84	.28
24323	533.5	1	4.6	2.5	16.7	7.2	36.6	70.3	2	68.7	1.3	17.8	2.1	70	3.6	252.5	17.8	45.7	91.3	9.22	32.7	5.0	.92	3.45	.53	2.80	.56	1.84	.30	1.59	.27
24324	585.8	2	7.5	2.5	16.5	5.9	33.2	75.1	2	61.9	1.3	15.9	1.8	60	4.4	214.6	15.6	40.4	84.8	8.01	28.6	4.8	.88	3.30	.47	2.44	.52	1.54	.24	1.46	.21
24325	941.3	2	14.7	7.4	23.3	4.6	32.0	151.5	2	116.3	1.4	20.1	3.1	85	4.6	163.9	22.8	55.6	113.1	11.74	42.8	6.7	1.36	4.77	.73	4.08	.75	2.21	.34	1.80	.26
24326	341.6	1	4.8	1.5	5.9	2.0	26.6	26.5	<1	183.3	.4	9.3	3.4	23	1.6	73.9	34.8	81.3	63.1	12.84	42.9	6.7	1.81	5.26	.90	4.73	.90	2.63	.38	2.23	.33
24327	572.8	1	7.5	3.0	20.6	6.3	42.5	78.7	2	115.3	1.3	15.2	2.4	81	2.7	246.9	19.4	58.7	114.3	10.82	36.6	5.3	1.06	3.73	.55	3.14	.63	2.04	.33	1.80	.28
24328	637.1	2	5.9	3.3	19.5	7.1	33.7	83.8	2	131.3	1.3	17.6	2.6	73	2.7	242.2	19.2	87.6	156.1	14.27	47.2	6.1	1.28	3.81	.60	3.26	.65	1.95	.30	1.85	.29
24329	436.7	2	9.8	4.7	18.3	4.4	25.6	88.7	2	58.8	1.5	12.8	3.1	79	1.8	150.3	11.3	44.4	87.2	7.58	26.6	3.5	.60	1.94	.31	1.84	.31	1.08	.18	.95	.13
24330	412.9	1	9.8	3.0	19.4	5.3	29.5	67.0	2	51.9	1.4	12.9	3.6	86	3.0	197.7	11.5	36.8	82.4	6.42	22.4	3.1	.60	2.30	.28	1.78	.35	1.18	.16	1.18	.18
24331	478.1	1	16.8	4.0	19.5	5.5	39.5	108.7	2	33.4	2.2	12.6	4.5	124	3.8	198.6	9.5	21.8	55.1	4.18	14.3	2.4	.49	1.83	.24	1.48	.31	1.08	.16	1.08	.19
24332	620.0	2	10.2	2.8	18.0	6.8	39.2	75.3	2	98.0	1.4	24.4	2.6	71	2.9	250.5	30.9	95.1	192.4	17.74	60.7	10.1	2.25	7.16	1.17	6.03	1.12	3.04	.42	2.61	.34
RE 24332	620.8	3	9.5	3.0	18.1	6.8	34.3	74.0	2	97.4	1.2	22.3	2.6	71	3.2	256.1	30.0	85.9	178.8	16.42	56.6	9.8	2.10	7.21	1.15	5.54	1.08	3.14	.47	2.50	.38
24333	579.9	2	9.8	3.4	17.5	4.9	27.1	96.5	1	68.7	1.1	13.5	2.6	67	3.4	176.9	15.2	44.5	97.2	8.23	29.6	4.3	.93	2.74	.51	2.48	.49	1.41	.24	1.20	.20
24334	546.6	1	8.9	2.8	18.1	8.2	26.9	87.4	2	81.9	1.3	18.2	2.5	80	3.0	292.9	22.7	52.0	108.4	10.49	37.9	6.1	1.12	4.10	.69	3.90	.72	2.28	.37	2.22	.33
24335	741.3	2	12.5	4.0	16.1	6.0	25.8	86.0	3	156.8	1.0	18.4	4.5	64	2.1	218.6	38.8	78.7	136.7	14.74	54.1	8.8	2.15	6.81	1.08	5.56	1.12	3.42	.51	3.03	.43
24336	590.9	2	11.8	2.6	15.2	7.5	24.5	74.8	2	100.8	1.2	22.0	2.6	75	2.4	267.5	21.8	54.3	120.4	10.58	38.6	6.2	1.20	4.35	.67	3.93	.73	2.23	.32	1.91	.28
24337	529.5	2	7.8	2.6	16.4	7.7	26.3	75.2	2	75.4	1.1	17.1	2.4	81	2.9	294.7	23.3	50.1	103.8	9.72	34.7	5.3	1.07	3.53	.66	3.72	.76	2.25	.34	2.09	.31
24338	667.3	2	13.7	3.6	17.7	6.8	26.5	89.8	2	110.8	1.4	19.0	2.9	77	3.3	246.1	23.4	49.1	108.9	10.08	36.4	6.2	1.28	4.55	.69	4.01	.75	2.29	.33	2.08	.32
24339	600.7	2	15.5	4.9	23.8	5.5	15.5	134.6	2	24.9	1.2	16.5	2.4	77	1.6	180.7	18.4	51.5	105.1	10.76	41.5	6.2	1.20	3.80	.63	3.12	.59	1.68	.27	1.49	.21
24340	607.6	2	13.1	3.9	16.9	5.9	20.7	84.4	2	84.3	1.1	19.1	5.2	67	2.3	207.4	39.8	54.6	109.3	11.71	45.0	8.1	1.91	6.47	1.10	6.13	1.16	3.46	.49	3.14	.49
24341	531.2	1	14.0	4.5	23.0	5.6	17.2	117.5	2	28.1	1.3	13.7	2.3	81	1.6	177.5	18.6	47.6	95.0	10.03	39.5	5.9	.94	3.90	.60	3.27	.67	1.82	.28	1.69	.25
STANDARD SO-18	480.3	1	25.8	7.3	17.1	9.7	18.7	27.3	13	392.0	7.3	9.7	15.9	189	15.6	281.9	32.1	12.7	28.2	3.37	13.0	2.9	.89	3.01	.51	3.13	.62	1.83	.30	1.85	.28

Sample type: SOIL SP100 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



GEOCHEMICAL ANALYSIS CERTIFICATE



Commerce Resources Corp. PROJECT Carbo File # A603426 Page 1 (b)

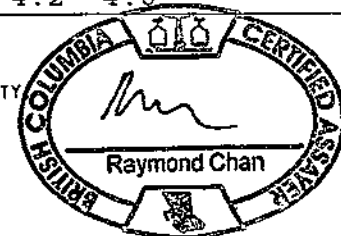
1450 - 789 W. Pender St., Vancouver BC V6C 1H2 Submitted by: Jody Dahrouge

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm	Ag ppm	Au ppb	Hg ppm	Tl ppm	Se ppm
G-1	.6	1.8	2.5	48	5.6	<.5	<.1	<.1	.1	<.1	3.0	<.01	.4	<.5
24051	1.5	19.2	18.8	101	27.8	4.3	.1	.2	.2	<.1	<.5	.01	.1	<.5
RE 24051	1.4	18.1	17.6	106	27.3	4.4	.1	.2	.2	<.1	.6	.02	.1	<.5
24052	1.3	10.4	31.4	64	18.5	7.1	.1	.2	.2	<.1	<.5	.02	.1	<.5
24053	2.4	16.6	46.6	164	28.4	7.5	.2	.2	.3	<.1	.9	.05	.1	.5
24054	3.9	18.6	63.5	180	32.2	13.8	.3	.3	.5	<.1	.9	.04	.2	.8
24055	1.1	14.6	22.9	72	30.7	6.9	.1	.3	.2	<.1	1.4	.04	.1	<.5
24056	2.9	7.9	45.4	108	16.7	8.3	.1	.2	.3	<.1	<.5	.03	.1	<.5
24057	1.9	21.9	25.4	59	31.6	46.2	.1	.3	.2	<.1	2.2	.02	.3	<.5
24058	5.4	19.7	202.6	260	25.7	9.5	.2	.2	.3	.1	<.5	.05	.1	.8
24059	3.3	16.0	49.2	241	19.9	8.6	.2	.2	.2	<.1	<.5	.03	.1	.8
24060	5.6	22.7	60.4	367	21.3	9.3	.6	.4	.3	<.1	.9	.06	.1	1.1
24061	3.9	12.8	21.1	53	19.1	5.3	.1	.2	.2	<.1	1.1	.04	.1	<.5
24062	3.4	15.9	41.8	118	28.2	9.1	.1	1.2	.1	<.1	.9	.05	.5	<.5
24063	1.4	9.8	40.8	95	21.9	6.2	.1	.3	.1	<.1	<.5	.03	.5	<.5
24064	2.4	14.5	23.3	50	16.1	6.7	.1	.2	.2	<.1	1.0	.03	.1	<.5
24065	2.9	13.2	36.6	53	16.0	7.5	.1	.3	.6	<.1	.7	.02	.2	.8
24066	3.5	12.7	15.5	43	17.9	8.3	<.1	.3	.3	<.1	.6	.03	.4	<.5
24067	2.7	15.4	20.5	52	26.8	8.7	.1	.3	1.1	<.1	<.5	.02	.4	<.5
24068	3.1	12.6	151.6	214	29.5	8.0	.1	.2	1.0	<.1	<.5	.02	.3	<.5
24069	2.6	13.9	19.7	62	20.4	7.0	.1	.2	.2	<.1	.8	.04	.1	.5
24070	2.9	7.1	10.4	42	30.8	3.7	<.1	.2	.2	<.1	2.2	.03	.6	<.5
24071	1.9	18.6	6.6	48	34.1	7.2	<.1	.3	.4	<.1	<.5	.02	.4	<.5
24072	1.6	18.3	33.8	73	34.3	6.8	.2	.2	.2	<.1	.8	.04	.4	<.5
24073	1.9	13.2	6.6	53	24.3	4.1	.1	.2	.3	<.1	.8	.05	.3	.6
24074	2.0	8.1	3.9	89	33.1	2.8	.1	.1	.1	<.1	1.8	.02	.5	.5
24075	1.9	8.5	11.1	30	12.2	5.8	.1	.2	.3	<.1	1.0	.02	.2	<.5
24076	.7	17.7	12.3	48	10.8	6.7	.1	.3	.2	<.1	2.0	.03	.1	<.5
24077	4.0	18.8	25.4	42	15.9	9.2	<.1	.3	.3	<.1	1.1	.03	.1	<.5
24078	2.7	10.8	49.5	121	14.0	7.5	.1	.2	.3	<.1	2.0	.05	.1	.6
24079	1.1	16.9	23.3	45	14.2	6.4	.1	.3	.2	<.1	1.4	.04	.1	<.5
24080	1.0	18.7	31.9	83	19.2	8.1	.2	.3	.3	<.1	2.2	.02	.1	<.5
24081	1.7	13.8	45.5	62	14.6	7.5	.1	.3	.3	<.1	1.5	.04	.1	.6
24082	2.5	9.8	105.3	108	11.5	7.0	.1	.2	.4	<.1	<.5	.03	.1	<.5
24083	2.8	10.7	42.5	97	23.3	8.6	.1	.3	.2	<.1	1.3	.02	.2	<.5
STANDARD DS7	21.0	110.3	71.3	410	57.5	49.7	6.4	6.0	4.6	.9	62.2	.20	4.2	4.0

GROUP 10X - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY
- SAMPLE TYPE: SOIL SP100 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

2006-07-24 P01:07

Data FA DATE RECEIVED: JUL 5 2006 DATE REPORT MAILED:.....



All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm	Ag ppm	Au ppb	Hg ppm	Tl ppm	Se ppm
24084	3.3	16.2	53.2	133	24.7	7.8	.1	.3	.3	<.1	<.5	.06	.1	<.5
24085	4.2	21.3	45.9	137	26.7	9.1	.2	.4	.5	<.1	.8	.04	.2	<.5
24086	2.6	14.3	18.6	80	23.6	6.4	.1	.4	.3	<.1	.9	.02	.2	<.5
24087	1.4	17.6	14.0	96	36.8	14.7	.2	.6	.4	<.1	.7	.02	.3	<.5
24088	4.3	19.8	48.5	78	73.3	7.1	.1	.4	.4	<.1	1.0	.04	.3	<.5
24089	3.7	45.6	12.5	90	50.6	37.6	.1	.5	.7	<.1	1.0	.01	.1	<.5
24090	.9	14.2	27.2	124	35.8	8.6	.1	.2	.1	<.1	.6	.05	.4	<.5
24091	1.6	15.2	7.4	74	26.4	5.7	.1	.2	.4	<.1	<.5	.03	.1	<.5
24092	1.3	5.7	11.3	54	22.0	6.2	.1	.2	.4	<.1	.9	.04	.4	<.5
24093	2.8	426.1	12.7	112	40.2	10.2	.3	.3	.5	.3	1.0	.04	.2	<.5
24094	1.6	35.6	30.5	109	26.3	9.3	.2	.2	.4	.1	<.5	.05	.1	<.5
24095	1.2	35.9	9.8	59	32.2	9.3	.1	.4	.4	<.1	.9	.02	.1	<.5
RE 24095	1.3	35.9	10.4	59	32.7	9.2	.1	.4	.4	<.1	.6	.03	.1	<.5
24096	2.6	18.8	11.2	50	18.4	5.5	.1	.2	.3	<.1	<.5	.05	.1	<.5
24097	1.5	86.0	10.4	175	43.2	38.2	.2	.4	.3	.1	2.4	.06	.4	.5
24098	.4	9.1	4.9	54	27.6	4.7	.1	.4	.2	<.1	.8	.01	<.1	<.5
24099	1.1	18.6	14.3	44	18.8	6.0	.1	.2	.2	<.1	1.3	.02	<.1	<.5
24100	1.1	15.4	24.5	57	16.7	5.0	.1	.2	.2	<.1	1.6	.04	.1	<.5
24101	1.0	18.0	21.6	55	22.1	4.4	.1	.2	.1	<.1	.9	.03	.1	<.5
24102	4.5	14.0	50.7	115	19.8	6.5	.1	.2	.4	<.1	<.5	.04	.1	<.5
24103	.9	20.8	25.0	68	26.6	5.6	.1	.2	.2	<.1	.7	.03	.1	<.5
24104	1.3	16.4	27.2	65	27.6	6.0	.1	.2	.2	<.1	<.5	.04	.1	<.5
24105	1.2	15.1	22.4	64	20.7	5.1	.2	.2	.2	<.1	<.5	.04	.1	<.5
24106	2.6	12.7	75.0	123	20.8	9.7	.2	.3	.2	<.1	1.1	.04	.2	<.5
24107	1.6	11.1	78.6	149	20.7	7.2	.1	.3	.1	<.1	<.5	.01	.2	<.5
24108	1.2	16.5	35.8	93	30.6	5.8	.2	.3	.2	<.1	.5	.04	.1	<.5
24109	2.0	12.9	20.7	65	25.2	6.6	.2	.2	.1	<.1	<.5	.03	.2	<.5
24110	1.2	20.8	21.6	63	33.8	7.1	.2	.3	.2	<.1	1.0	.04	.1	<.5
24111	5.2	33.1	348.9	354	22.1	6.5	.4	.1	.8	<.1	<.5	.10	.1	.8
24112	1.1	10.9	35.8	96	29.1	21.1	.7	.5	.2	<.1	.5	.08	.3	<.5
24113	.9	12.4	9.3	57	28.2	9.2	.1	.2	.2	<.1	<.5	.03	.5	<.5
24114	1.1	15.7	47.3	79	25.6	6.7	.1	.3	.3	<.1	1.2	.05	.2	<.5
24115	2.6	15.1	51.7	75	21.4	8.3	.1	.3	.3	<.1	<.5	.05	.3	<.5
24116	2.4	10.5	17.3	55	18.9	7.6	.1	.3	.3	<.1	1.9	.04	.3	<.5
STANDARD DS7	20.5	107.9	70.7	402	54.9	48.0	6.2	5.9	4.6	.9	58.0	.20	4.2	3.4

Sample type: SOIL SP100 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm	Ag ppm	Au ppb	Hg ppm	Tl ppm	Se ppm
24117	.8	14.1	17.5	58	18.7	6.8	.1	.2	.2	<.1	1.4	.03	.1	<.5
24118	1.2	15.9	22.6	60	21.2	13.6	.1	.3	.2	<.1	.6	.03	.1	<.5
24119	1.0	18.4	23.5	60	23.5	8.7	<.1	.3	.2	<.1	.7	.03	.1	<.5
24120	.5	17.2	16.0	56	24.9	6.2	.2	.2	.2	<.1	1.5	.03	<.1	<.5
24121	1.0	21.1	31.6	92	30.9	7.8	.2	.3	.3	<.1	1.8	.04	.1	<.5
24122	1.0	16.3	24.0	84	29.5	7.7	.2	.2	.2	<.1	<.5	.02	.1	<.5
24123	.9	25.7	43.0	123	35.8	8.5	.2	.3	.3	<.1	1.1	.02	.1	<.5
24124	.4	18.3	25.7	75	31.1	3.7	.1	.2	.2	<.1	1.0	.02	<.1	<.5
24125	.2	29.9	9.0	43	14.4	2.5	<.1	.2	.2	<.1	.6	.02	.1	<.5
24126	.6	17.0	18.0	45	17.3	6.4	.1	.2	.2	<.1	1.2	.02	.1	<.5
24127	.7	19.3	24.6	102	26.1	4.3	.2	.2	.3	<.1	2.2	.02	<.1	<.5
24128	.5	17.9	36.3	82	25.9	3.8	.1	.3	.2	<.1	.6	.03	<.1	<.5
24129	1.1	12.2	19.2	46	19.0	4.7	<.1	.2	.2	<.1	.5	.03	.1	<.5
24130	1.2	23.6	33.4	81	25.7	9.6	.2	.5	.3	<.1	.9	.05	.1	<.5
24131	.4	20.8	35.4	98	35.2	3.3	.2	.2	.3	<.1	.9	.03	<.1	<.5
24132	1.1	13.1	24.7	63	22.5	7.6	.1	.3	.2	<.1	1.0	.02	.2	<.5
24133	2.3	14.2	31.7	54	18.7	6.2	<.1	.3	.3	<.1	1.3	.01	.1	<.5
24134	1.7	10.1	56.5	97	18.1	9.9	.1	.1	.4	<.1	<.5	.03	.1	<.5
24135	1.1	16.4	23.6	43	19.4	8.7	.1	.2	.2	<.1	.8	.02	.1	.8
RE 24135	1.1	16.1	23.0	44	18.9	7.9	.1	.2	.2	<.1	<.5	.01	.1	<.5
24136	2.0	20.1	23.3	59	39.6	11.3	.2	.9	.4	<.1	1.5	.04	.2	.7
24137	1.8	15.0	24.6	56	20.8	7.9	.1	.3	.2	<.1	<.5	.02	.2	.5
24138	1.4	15.6	20.8	53	26.4	12.7	.1	.6	.3	<.1	.5	.02	.4	<.5
24139	1.0	8.8	27.1	43	11.6	5.9	.2	.3	.2	<.1	<.5	.03	.1	<.5
24140	2.9	13.2	194.8	312	19.4	12.0	.2	.4	.4	<.1	1.2	.02	.2	<.5
24141	6.8	12.9	116.5	120	17.8	9.7	.1	.2	.5	.1	<.5	.04	.1	<.5
24142	1.3	16.5	35.1	91	20.6	11.1	.1	.2	.4	<.1	1.3	.03	<.1	<.5
24143	2.6	27.3	77.6	159	34.4	8.0	.5	.2	.3	<.1	9.5	.11	.1	<.5
24144	3.3	10.6	37.2	60	17.6	7.0	.2	.1	.3	.1	<.5	.04	.1	<.5
24145	4.8	20.0	17.1	48	17.9	5.9	<.1	.3	.3	<.1	1.9	.05	.2	<.5
24146	3.0	15.7	20.8	76	30.9	11.0	.2	.2	.2	<.1	3.6	.04	.3	<.5
24147	1.1	6.9	7.0	38	23.8	6.8	<.1	.4	.3	<.1	<.5	.02	.4	<.5
24148	4.6	18.9	19.5	67	17.6	6.9	.1	.3	.2	<.1	.5	.05	.2	<.5
24149	2.6	9.4	12.2	54	36.0	9.9	<.1	.3	.4	<.1	1.5	.03	.8	<.5
STANDARD DS7	20.7	107.1	70.9	414	55.5	49.4	6.4	6.0	4.6	.9	65.2	.21	4.3	3.4

Sample type: SOIL SP100 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm	Ag ppm	Au ppb	Hg ppm	Tl ppm	Se ppm
24150	2.2	10.6	11.3	45	28.5	7.5	<.1	.2	.3	<.1	<.5	.03	.8	<.5
24151	.8	31.1	53.1	153	32.2	4.5	.1	.2	.3	<.1	1.6	.01	.1	<.5
24152	1.0	14.8	23.2	48	19.7	4.3	.2	.2	.2	<.1	.7	.03	.1	.6
24153	.7	16.5	20.1	51	21.2	5.1	.1	.2	.2	<.1	<.5	.05	<.1	.9
24154	.9	36.4	23.9	65	31.7	4.2	<.1	.2	.2	<.1	<.5	.03	.1	.5
24155	1.0	20.1	29.9	91	31.3	5.4	.1	.2	.2	<.1	<.5	.05	.1	<.5
24156	3.6	19.0	82.9	103	24.9	10.8	.1	.3	.5	<.1	<.5	.03	.2	.7
24157	8.9	17.6	140.6	202	19.6	8.7	.1	.2	.6	<.1	1.5	.03	.1	<.5
24158	8.2	9.3	49.9	85	15.3	9.7	.1	.2	.5	<.1	1.2	.02	.1	<.5
24159	1.2	17.0	92.1	282	35.2	18.3	.2	.4	.3	<.1	1.8	.02	.3	.5
RE 24159	1.2	18.4	92.1	288	34.3	18.5	.1	.4	.3	<.1	3.7	.02	.3	<.5
24160	2.9	13.3	81.9	73	10.3	7.7	.1	.2	.5	<.1	<.5	.03	.1	<.5
24161	.6	10.0	31.6	69	13.5	6.4	.1	.1	.1	<.1	<.5	.03	.1	<.5
24162	8.2	14.9	171.4	190	15.5	8.9	.1	.3	.4	<.1	.7	.04	.2	<.5
24163	1.1	11.3	13.0	43	19.7	7.5	.1	.4	.2	<.1	1.9	.02	.2	<.5
24164	2.3	16.4	29.5	80	23.6	7.4	.1	.3	.2	<.1	.9	.03	.1	<.5
24165	3.2	13.5	41.2	132	21.1	6.9	.2	.2	.2	<.1	<.5	.04	.1	.7
24166	2.7	11.3	64.8	97	22.9	12.8	.2	.5	.3	<.1	<.5	.04	.3	.5
24167	3.0	9.9	33.8	63	21.2	10.0	<.1	.3	.3	<.1	.5	.03	.3	<.5
24168	4.1	10.1	28.6	59	16.6	13.6	.1	.2	.4	<.1	24.2	.03	.2	<.5
24169	2.4	13.3	137.1	225	24.7	13.0	.1	.3	.3	<.1	.8	.03	.5	<.5
24170	2.1	16.9	29.5	85	31.3	8.9	.2	.4	.3	<.1	.5	.03	.3	<.5
24171	2.9	27.6	34.8	112	49.7	4.5	.1	.2	.2	<.1	1.4	.03	.4	<.5
24172	1.8	8.8	11.4	41	20.7	8.2	.1	.3	.3	<.1	5.2	.03	.3	<.5
24173	3.5	14.9	20.5	64	27.6	6.2	.1	.2	.5	<.1	1.4	.02	.5	.5
24174	1.7	10.9	20.0	40	14.2	5.6	.1	.3	.3	<.1	<.5	.04	.1	<.5
24175	1.6	13.0	18.8	75	24.4	7.0	.1	.3	.2	<.1	<.5	.02	.2	<.5
24176	1.4	11.9	28.1	56	21.2	7.9	.1	.2	.3	<.1	4.9	.03	.1	<.5
24177	.6	23.7	13.0	45	32.0	7.7	.1	.3	.3	<.1	1.7	.02	<.1	<.5
24178	.2	37.7	5.6	14	17.9	7.1	<.1	.2	.2	<.1	<.5	<.01	<.1	<.5
24179	.3	20.6	27.3	81	31.6	2.8	.2	.2	.2	<.1	1.3	.05	<.1	<.5
24180	.4	15.7	11.7	26	23.9	2.8	.1	.2	.2	<.1	<.5	.01	<.1	<.5
24181	.4	15.9	28.8	72	28.1	3.5	.1	.1	.2	<.1	<.5	.03	.1	<.5
24182	.7	15.1	21.6	55	21.4	2.9	.1	.1	.2	<.1	1.0	.02	.1	<.5
STANDARD DS7	20.2	110.7	71.1	409	54.7	47.9	6.2	5.8	4.6	.9	67.8	.20	4.2	3.8

Sample type: SOIL SP100 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm	Ag ppm	Au ppb	Hg ppm	Tl ppm	Se ppm
24183	1.1	16.8	30.5	84	26.1	6.8	.2	.3	.2	<.1	1.5	.04	.1	<.5
24184	.8	28.8	24.5	78	21.4	12.8	.1	.4	.3	<.1	.7	.01	.1	<.5
24185	1.5	11.6	54.3	91	18.4	6.6	.1	.2	.2	<.1	1.1	.03	.1	<.5
24186	1.5	15.3	47.0	70	17.6	7.8	<.1	.3	.3	<.1	<.5	.03	.1	<.5
24187	1.6	19.9	35.1	67	21.5	7.4	.1	.3	.2	<.1	<.5	.03	.1	<.5
24188	2.3	15.6	58.9	107	30.9	11.0	.1	.2	.3	<.1	<.5	.02	.2	<.5
24189	1.6	12.6	26.2	96	22.2	6.3	<.1	.2	.2	<.1	.5	.06	.1	<.5
24190	1.2	12.0	26.0	90	21.9	7.8	.1	.2	.2	<.1	<.5	.01	.1	<.5
24191	1.2	30.3	57.4	118	52.7	12.1	.1	.4	.3	<.1	2.5	.02	.2	<.5
24192	1.6	13.2	39.8	83	23.2	6.3	.1	.2	.3	<.1	<.5	.04	.1	.5
24193	2.5	13.1	34.5	65	16.8	7.3	.1	.2	.3	<.1	<.5	.03	.1	<.5
24194	1.6	11.6	23.8	53	19.0	7.4	.1	.3	.2	<.1	<.5	.02	.1	<.5
24195	1.7	16.3	35.5	89	26.8	5.6	.1	.2	.2	<.1	.9	.04	.1	<.5
24196	1.2	12.6	3.9	80	28.8	11.9	.1	.7	.2	<.1	1.2	.02	.8	<.5
RE 24196	1.2	10.5	3.4	76	27.1	11.3	.1	.6	.2	<.1	<.5	.02	.7	<.5
24197	1.5	17.1	23.1	64	31.1	13.3	.2	.3	.2	<.1	<.5	.03	.2	<.5
24198	1.6	16.3	21.7	62	28.8	4.8	.1	.2	.1	<.1	<.5	.03	.1	<.5
24199	1.3	9.5	12.3	95	24.2	3.2	.1	.3	.1	<.1	6.4	.03	.1	<.5
24200	1.8	14.6	29.2	94	28.6	7.1	.1	.3	.2	<.1	.6	.02	.1	<.5
24201	1.4	9.5	32.7	126	29.6	7.5	.1	.3	.2	<.1	1.5	.01	.3	<.5
24202	1.6	16.8	28.7	56	19.3	6.4	.1	.3	.2	<.1	1.5	.04	.2	<.5
24203	1.4	9.3	7.6	36	18.4	5.8	.1	.2	.3	<.1	.7	.02	.2	<.5
24204	10.9	22.6	25.9	77	26.5	6.0	.1	.2	.4	<.1	1739.9	.05	1.0	<.5
24205	1.8	12.7	9.0	50	22.4	5.5	.1	.3	.2	<.1	1.2	.02	.2	<.5
24206	.7	9.5	8.0	46	24.7	3.4	.1	.4	.2	<.1	6.3	.02	.2	<.5
24207	1.2	18.7	25.6	72	25.0	6.3	.1	.2	.2	<.1	<.5	.04	.1	<.5
24208	1.8	28.0	67.6	175	73.7	8.2	.1	.2	.3	<.1	1.0	.03	.2	<.5
24209	2.0	16.7	39.5	80	24.1	7.3	.1	.2	.2	<.1	2.3	.02	.1	<.5
24210	2.1	15.3	50.5	102	18.5	8.9	.1	.2	.4	<.1	.8	.02	.1	<.5
24211	10.9	4.7	545.5	267	13.1	4.6	.5	.2	1.1	<.1	1.0	.03	.5	.7
24212	12.1	7.9	172.1	233	12.5	5.7	.3	.1	1.3	<.1	.8	.04	.2	<.5
24213	1.8	19.7	24.7	56	22.4	9.3	.1	.4	.3	<.1	1.7	.01	.2	<.5
24214	3.8	14.9	34.4	95	23.1	8.6	.1	.3	.3	<.1	<.5	.01	.1	<.5
24215	1.6	10.5	30.4	74	20.5	7.3	.1	.3	.3	<.1	<.5	.02	.1	<.5
STANDARD DS7	21.1	110.2	72.4	411	56.3	48.0	6.4	5.9	4.7	.9	68.5	.21	4.2	3.9

Sample type: SOIL SP100 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm	Ag ppm	Au ppb	Hg ppm	Tl ppm	Se ppm
24216	1.1	32.3	181.7	319	42.4	5.0	.1	.1	.7	<.1	<.5	.02	.3	<.5
24217	1.0	13.4	23.5	120	25.0	11.1	.2	.2	.2	<.1	.7	.04	.1	<.5
24218	1.7	13.6	32.0	108	23.2	8.0	.1	.2	.2	<.1	<.5	.04	.1	<.5
24219	3.9	32.9	10.4	70	49.3	6.0	.2	1.2	.1	<.1	.5	.04	.1	1.5
24220	1.9	13.6	22.1	68	27.3	10.7	.1	.4	.3	<.1	<.5	.03	.3	.5
24221	3.8	12.3	29.3	124	44.2	8.5	.1	.3	.2	<.1	1.5	.03	.4	<.5
24222	3.2	9.6	20.1	103	33.9	4.9	.1	.3	.1	<.1	<.5	.01	.3	<.5
24223	2.7	14.9	21.3	94	25.7	9.1	.1	.3	.3	<.1	<.5	.02	.2	<.5
24224	2.4	16.8	12.7	80	30.5	8.5	.1	.4	.3	<.1	.7	.05	.4	<.5
24225	9.8	11.1	11.6	40	17.4	5.1	<.1	.2	.3	<.1	<.5	.03	.2	<.5
24226	1.5	13.3	26.0	47	19.5	6.6	.1	.3	.2	<.1	.7	.03	.2	.6
24227	1.6	12.7	33.5	72	24.6	6.7	.1	.2	.2	.2	<.5	.04	.2	<.5
24228	1.8	20.6	48.2	71	28.9	14.8	.1	.3	.7	<.1	1.4	.03	.2	<.5
24229	1.5	13.0	54.0	97	19.4	15.0	.1	.3	.8	<.1	<.5	.13	.1	<.5
24230	2.0	15.5	49.6	88	25.5	14.5	.1	.2	.9	<.1	<.5	.04	.1	<.5
24231	1.9	19.1	59.5	144	31.5	11.2	.2	.2	.4	<.1	.5	.06	.1	.5
24232	1.4	12.9	42.6	74	17.7	10.5	.1	.2	.5	<.1	.5	.02	.1	<.5
RE 24232	1.9	12.7	40.7	78	17.6	10.2	.1	.2	.5	<.1	.5	.03	.1	.8
24233	1.5	17.9	48.5	94	30.1	10.9	.2	.3	.5	<.1	<.5	.03	.1	<.5
24234	1.5	13.7	50.1	86	26.4	9.8	.1	.2	.3	<.1	.8	.04	.1	<.5
24235	2.0	16.1	30.2	76	22.2	7.9	.1	.3	.3	<.1	.9	.05	.1	.5
24236	6.7	31.8	319.7	140	32.9	6.5	.2	.1	1.0	<.1	1.5	.02	.1	<.5
24237	.8	16.3	48.9	172	38.7	14.8	.4	.2	.2	<.1	<.5	.03	.1	<.5
24238	2.1	17.9	50.9	95	29.6	8.2	.2	.3	.3	<.1	1.7	.04	.1	<.5
24239	2.2	11.0	36.3	62	17.8	7.6	.1	.2	.3	<.1	1.2	.02	.1	<.5
24240	1.9	17.3	38.6	112	35.9	6.8	.1	.2	.3	<.1	.9	.02	.1	<.5
24241	1.4	9.3	34.8	117	26.3	12.4	.2	.5	.3	<.1	.8	.02	.2	<.5
24242	1.7	14.6	26.2	91	29.2	12.2	.1	.3	.3	<.1	<.5	.02	.2	<.5
24243	7.2	35.8	32.4	96	43.9	13.3	.1	.4	.4	<.1	.9	.02	.6	<.5
24244	3.5	11.8	28.4	45	13.5	7.5	<.1	.3	.4	<.1	<.5	.04	.2	<.5
24245	3.4	9.4	11.7	51	22.8	7.3	.1	.3	.3	<.1	1.2	.03	.3	<.5
24246	1.9	9.0	13.4	44	20.6	7.2	.1	.2	.3	<.1	1.5	.03	.1	<.5
24247	1.6	12.8	26.2	77	23.9	8.6	.1	.3	.3	<.1	.8	.03	.2	<.5
24248	2.0	15.1	22.5	92	26.9	6.4	.1	.2	.3	<.1	2.6	.04	.4	<.5
STANDARD DS7	20.3	107.5	70.6	408	55.1	47.7	6.2	5.8	4.5	.9	57.4	.20	4.2	3.7

Sample type: SOIL SP100 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm	Ag ppm	Au ppb	Hg ppm	Tl ppm	Se ppm
24249	1.2	25.5	45.5	91	29.7	7.0	.2	.4	.3	<.1	2.7	.02	.3	<.5
24250	.6	25.2	29.0	68	42.9	9.8	.4	.2	.2	<.1	.5	.04	.1	<.5
24251	2.1	19.7	53.9	65	42.6	12.0	.3	.2	.8	<.1	.5	.02	.2	<.5
RE 24251	2.1	19.8	51.2	66	44.1	11.2	.2	.2	.7	<.1	1.3	.03	.2	<.5
24252	2.3	4.8	38.8	175	32.1	12.6	.2	.1	.6	<.1	<.5	.03	.1	<.5
24253	1.3	17.8	55.2	162	35.8	14.0	.4	.3	1.3	.1	.5	.03	.1	<.5
24254	1.2	12.3	54.5	153	26.6	14.6	.3	.4	.9	<.1	1.0	.04	.2	<.5
24255	2.0	11.5	79.7	154	18.2	12.1	.2	.3	.9	<.1	.6	.04	.1	<.5
24256	2.3	15.8	129.8	131	19.4	12.5	.1	.3	2.6	<.1	3.0	.05	.1	<.5
24257	5.1	14.3	94.8	177	20.8	9.0	.1	.2	.8	<.1	<.5	.01	.1	<.5
24258	3.4	23.9	161.1	253	25.5	9.4	.2	.1	.6	<.1	<.5	.04	.1	<.5
24259	2.0	13.8	44.1	87	17.0	11.7	.1	.3	.5	<.1	<.5	.01	.1	<.5
24260	1.5	14.4	32.5	76	20.7	14.7	.2	.3	.5	<.1	.5	.02	.1	<.5
24261	2.4	8.5	51.6	91	17.2	9.5	.1	.3	.4	<.1	1.7	.01	.1	<.5
24262	1.6	12.8	56.0	62	12.8	6.7	.1	.1	.5	<.1	2.0	.02	<.1	<.5
24263	3.8	24.4	58.6	125	31.4	12.4	.3	.3	.6	.1	1.6	.05	.1	<.5
24264	2.8	11.4	85.8	109	19.2	11.7	.1	.2	1.6	<.1	.8	.04	.1	<.5
24265	2.2	21.5	20.8	79	33.3	34.2	.1	.3	.3	<.1	<.5	.02	.2	<.5
24266	2.7	15.3	42.0	104	20.9	8.9	.1	.2	.5	<.1	1.2	.04	.2	<.5
24267	1.0	7.8	27.7	105	28.6	5.9	.1	.2	.4	<.1	.9	.02	.5	<.5
24268	.5	16.5	10.1	46	25.8	6.0	.1	.3	.2	<.1	1.6	.01	.2	<.5
24269	2.3	9.1	29.6	51	14.6	5.7	.1	.2	.4	<.1	6.5	.03	.1	<.5
24270	1.9	15.4	20.4	37	22.5	7.8	.2	.3	.4	<.1	1.4	.01	.2	<.5
24271	1.9	18.3	146.3	246	61.0	17.1	.1	.3	.5	<.1	1.3	.03	.4	.8
24272	2.6	11.5	13.0	81	19.1	12.8	.1	.3	.4	<.1	.8	.03	.2	.7
24273	1.4	25.1	16.1	94	31.7	9.9	.1	.3	.3	<.1	1.5	.05	.2	.8
24274	4.9	9.3	56.8	224	22.6	10.7	.1	.4	.4	<.1	2.1	.01	.3	.8
24275	1.5	11.5	11.2	84	31.1	7.6	.1	.2	.2	<.1	1.2	.03	.2	.7
24276	.6	12.9	20.3	45	10.6	6.7	<.1	.2	.3	<.1	<.5	.02	<.1	<.5
24277	6.2	54.5	139.6	252	39.6	36.1	.3	.3	4.3	.1	.9	.03	.1	.6
24278	1.9	30.9	44.4	123	35.7	177.0	.2	.5	1.4	<.1	1.5	.02	.1	<.5
24279	2.1	27.8	50.3	231	33.9	22.1	.3	.4	.3	<.1	<.5	.06	.2	.6
24280	3.5	10.2	46.8	74	12.2	8.1	.1	.2	.2	<.1	1.7	.02	.1	<.5
24281	1.8	16.2	33.9	81	16.1	9.8	.1	.3	.3	<.1	104.6	.02	<.1	.8
STANDARD DS7	20.4	106.9	69.7	405	55.2	47.4	6.3	5.8	4.6	.9	69.1	.20	4.1	3.7

Sample type: SOIL SP100 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm	Ag ppm	Au ppb	Hg ppm	Tl ppm	Se ppm
24282	1.8	11.4	33.6	103	17.0	8.5	.2	.3	.3	<.1	<.5	.02	<.1	<.5
24283	6.5	11.9	114.6	154	19.4	9.9	.2	.2	.9	.1	1.4	.05	.1	<.5
24284	1.2	14.0	48.9	108	20.2	7.9	.2	.2	.3	<.1	<.5	.04	.1	<.5
24285	3.2	11.5	60.2	102	20.2	7.8	.2	.2	.4	<.1	<.5	.01	.2	<.5
24286	1.8	11.9	34.1	79	27.7	15.5	.2	.4	.5	<.1	<.5	.02	.1	<.5
24287	2.0	28.1	25.7	89	40.8	9.4	.1	.3	.2	<.1	<.5	.02	.3	<.5
24288	2.5	12.2	46.1	140	26.4	8.1	.1	.3	.5	<.1	<.5	.02	.2	<.5
24289	2.1	10.7	32.7	98	23.8	9.4	.1	.4	.3	<.1	<.5	.01	.3	<.5
24290	2.7	14.3	64.5	130	29.2	12.7	.1	.5	.5	<.1	<.5	.02	.4	<.5
24291	1.1	8.7	18.6	73	23.6	4.9	.1	.3	.3	<.1	1.3	.02	.2	<.5
24292	1.6	21.7	33.6	97	32.6	5.5	.1	.3	.3	<.1	<.5	.03	.4	.5
24293	1.8	14.5	12.6	62	35.4	20.9	.2	.3	.5	<.1	<.5	.03	.2	<.5
24294	1.3	14.6	16.6	75	28.8	9.4	.1	.4	.3	<.1	.9	.03	.3	<.6
24295	.8	37.1	23.6	232	36.2	13.0	.2	.4	.4	<.1	.9	.03	.2	<.5
24296	1.0	9.8	8.5	61	26.4	5.9	.2	.3	.3	<.1	<.5	.02	.2	<.5
24297	1.1	13.7	11.7	45	26.8	8.4	.1	.3	.3	<.1	<.5	.04	.1	.5
24298	2.2	13.5	11.2	70	28.5	8.8	.2	.3	.3	<.1	<.5	.03	.2	<.5
24299	.9	7.6	31.8	69	30.0	7.3	.1	.3	.2	<.1	<.5	.02	.2	<.5
24300	3.8	13.4	13.6	55	23.1	8.0	.1	.3	.3	<.1	<.5	.05	.2	<.7
RE 24300	3.5	14.0	14.0	54	23.4	8.1	.1	.3	.3	<.1	<.5	.04	.2	<.5
24301	1.0	11.9	22.2	104	27.5	8.3	.2	.2	.3	<.1	<.5	.02	.2	<.5
24302	1.5	23.6	23.3	187	20.4	5.4	.6	.5	.2	.2	.8	.13	.2	2.1
24303	1.9	8.8	28.6	37	9.7	7.5	.2	.3	.3	<.1	<.5	.04	.1	<.5
24304	1.3	10.0	16.6	36	9.8	5.7	.1	.2	.3	<.1	<.5	.02	.1	<.5
24305	1.2	7.5	22.6	42	14.5	5.9	.1	.3	.2	<.1	<.5	.03	.2	.8
24306	1.3	12.3	19.2	33	9.9	8.5	.1	.3	.3	.2	<.5	.05	.1	<.5
24307	1.4	10.7	15.0	26	8.8	6.3	.1	.2	.2	<.1	.7	.02	.1	<.5
24308	1.3	12.6	20.1	42	13.5	6.2	.1	.3	.2	<.1	11.3	.04	.1	.5
24309	1.2	10.2	23.5	61	15.0	7.1	.2	.5	.2	.2	<.5	.07	.1	.5
24310	.6	19.5	20.6	66	21.6	31.2	<.1	.9	.2	<.1	<.5	.02	.1	<.5
24311	1.1	11.5	27.3	54	17.4	6.9	.2	.4	.2	.2	<.5	.04	.1	<.5
24312	.8	16.5	20.7	27	9.1	6.1	.1	.2	.2	<.1	<.5	.05	.1	<.5
24313	1.0	16.6	25.3	55	17.6	10.7	.1	.4	.2	<.1	<.5	.03	.1	<.5
24314	1.0	6.3	20.0	31	10.5	6.0	.1	.1	.3	<.1	1.0	.03	.1	<.5
STANDARD DS7	20.8	107.9	70.4	415	56.3	47.4	6.4	8.6	4.5	.9	70.6	.20	4.1	3.6

Sample type: SOIL SP100 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm	Ag ppm	Au ppb	Hg ppm	Tl ppm	Se ppm
24315	2.0	9.9	20.5	37	14.9	6.6	<.1	.2	.2	<.1	2.9	.03	.1	<.5
24316	1.3	9.8	23.8	36	10.7	6.9	.1	.2	.3	<.1	1.7	.03	.1	<.5
24317	1.2	9.1	30.6	52	14.2	7.6	.1	.2	.3	<.1	2.4	.03	.1	<.5
24318	.5	8.1	17.6	49	13.9	5.2	.1	.3	.2	<.1	1.1	.02	.1	<.5
24319	4.7	7.3	20.9	112	15.5	24.4	.2	.3	.4	<.1	2.5	.02	.2	<.5
24320	20.1	18.1	11.3	51	26.7	9.3	<.1	.3	1.4	<.1	1.6	.05	.2	<.5
24321	1.0	12.5	27.6	50	17.8	6.5	.1	.3	.2	<.1	1.7	.04	.1	<.5
24322	1.7	9.0	23.4	41	10.9	6.8	.1	.2	.3	<.1	1.2	.04	.1	<.5
24323	1.9	7.6	18.1	32	10.2	7.1	.1	.2	.3	<.1	1.7	.05	.1	<.5
24324	2.6	8.0	28.5	51	11.6	6.7	.1	.2	.3	<.1	2.3	.02	.1	<.5
24325	1.7	15.9	17.3	139	27.9	10.8	.2	.4	.4	<.1	1.8	.04	.3	<.5
24326	.9	13.1	20.3	47	7.6	1.8	.3	.5	.2	.2	3.5	.15	.1	2.5
24327	3.4	10.2	25.3	47	15.2	8.2	.1	.3	.3	<.1	<.5	.04	.1	<.5
24328	1.3	7.6	19.1	37	10.6	5.8	.1	.2	.3	<.1	1.3	.04	.1	<.5
24329	1.2	16.0	23.3	74	16.6	6.1	.1	.3	.2	<.1	1.2	.04	.1	<.5
24330	2.1	19.8	27.1	64	13.7	6.8	.2	.4	.3	<.1	2.2	.06	.1	<.5
24331	1.4	14.8	21.7	80	11.5	14.1	.2	.7	.2	<.1	2.7	.06	.1	<.5
24332	1.9	17.7	35.0	79	21.2	8.9	.1	.3	.3	<.1	1.7	.07	.1	<.5
RE 24332	1.8	17.8	35.9	75	20.7	8.7	.1	.4	.3	.1	3.3	.07	.1	<.5
24333	1.4	10.6	23.9	105	12.0	9.2	.3	.6	.2	.1	<.5	.08	.2	<.5
24334	1.3	13.3	35.5	51	16.0	8.5	.1	.2	.3	<.1	.5	.03	.1	<.5
24335	1.4	21.9	21.1	117	30.9	8.3	.5	.5	.2	.3	2.3	.09	.2	.8
24336	1.3	14.3	23.3	59	25.4	6.5	.1	.3	.2	.1	1.0	.04	.1	<.5
24337	1.2	10.5	22.8	45	16.5	6.0	.1	.2	.2	<.1	<.5	.06	.1	<.5
24338	1.7	13.1	22.3	95	17.3	6.5	.3	.2	.2	.1	1.5	.08	.2	<.5
24339	.5	12.8	21.6	78	29.5	4.8	.1	.3	.2	<.1	.7	.03	.1	<.5
24340	1.1	17.2	22.7	80	26.2	6.6	.3	.2	.2	<.1	1.0	.09	.2	<.5
24341	.5	13.0	18.7	64	24.8	4.6	.1	.1	.2	<.1	<.5	.02	.1	<.5
STANDARD DS7	20.4	106.5	69.8	412	55.4	47.5	6.4	5.8	4.5	.9	67.9	.20	4.2	3.8

Sample type: SOIL SP100 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



WHOLE ROCK ICP ANALYSIS



Commerce Resources Corp. PROJECT Carbo File # A603427 Page 1

1450 - 789 W. Pender St., Vancouver BC V6C 1H2 Submitted by: Jody Dahrouge

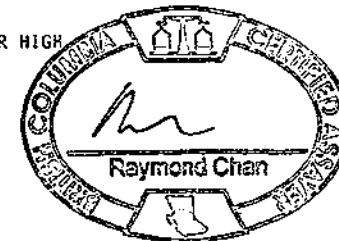
SAMPLE#	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	TOT/C	TOT/S	SUM
	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	%	%
24001	54.31	16.25	10.09	.14	1.58	4.60	6.83	.41	.02	.59	.002	<5	2	4.2	.51	.09	99.02
24002	56.26	17.01	10.24	.08	.04	4.82	7.10	.68	.05	.37	.003	<5	2	2.7	.19	.30	99.35
24003	53.89	17.41	8.60	.25	1.11	4.26	7.09	.72	.06	.43	.002	<5	2	5.1	.73	1.57	98.92
24004	7.25	1.62	.52	.75	48.85	1.02	.36	.08	.02	.05	<.001	<5	1	39.3	11.66	<.01	99.83
24005	58.16	19.67	4.02	.14	1.02	5.70	6.57	.28	.08	.22	.001	<5	<1	3.7	.30	1.36	99.56
24006	50.45	18.61	6.00	.66	2.66	7.93	6.36	.41	.15	.27	.004	<5	3	6.1	1.24	.01	99.60
24007	54.79	17.54	8.87	.16	1.51	4.63	6.85	.64	.06	.54	.002	6	2	3.8	.43	.10	99.39
24008	38.73	11.39	11.56	.66	12.55	3.87	4.32	.28	.05	.84	.004	8	6	14.7	3.67	.03	98.95
24009	56.86	16.53	6.07	.22	3.20	4.41	7.46	.42	.02	.43	.003	<5	2	4.2	.84	.34	99.82
24010	58.11	19.38	4.49	.20	1.07	6.85	5.08	.26	.12	.20	<.001	<5	<1	3.8	.33	2.02	99.56
24011	4.10	.48	4.06	1.26	50.82	.91	.17	.12	.37	.73	<.001	<5	1	34.6	10.92	.20	97.62
24012	8.25	1.97	5.95	1.73	47.98	1.06	.99	.23	.74	.63	.010	43	2	14.0	10.30	.34	83.54
24013	36.51	11.90	12.56	6.04	12.33	7.60	3.26	.68	.47	.32	.061	126	22	7.6	2.76	.01	99.35
24014	51.48	16.48	5.15	.28	8.23	8.47	.92	.23	.29	.29	.006	7	2	7.7	1.94	.01	99.52
RE 24014	51.48	16.52	5.09	.27	8.25	8.37	.92	.23	.29	.29	.005	<5	2	7.8	2.08	.01	99.52
24015	45.40	7.65	13.19	.50	11.14	9.06	.05	.49	.62	.81	<.001	<5	1	10.0	2.44	.02	98.91
24016	12.41	3.09	6.41	2.25	38.10	1.49	1.60	.38	2.57	.48	.012	40	3	29.2	8.58	.27	97.99
24017	10.27	2.11	5.61	1.47	41.05	1.57	.89	.27	2.35	.50	.005	23	2	31.5	9.25	.33	97.60
24018	4.70	1.02	3.58	.91	46.51	1.06	.46	.15	.06	.60	<.001	17	1	37.1	10.71	.58	96.15
24019	6.21	1.04	4.94	1.10	44.01	1.05	.60	.19	.98	.56	.004	19	1	35.8	10.60	.37	96.48
24020	10.43	2.59	6.37	1.89	39.52	1.43	1.10	.26	1.63	.55	.006	21	2	31.6	9.29	.42	97.38
24021	6.86	1.45	4.74	1.44	43.97	1.26	.61	.18	1.14	.66	.003	11	2	35.3	10.40	.33	97.61
24022	44.75	13.91	8.10	1.82	9.71	8.50	.84	.62	.19	.31	.030	43	6	10.3	2.26	.05	99.08
24023	35.98	9.29	5.66	3.32	20.68	5.66	1.69	.31	1.08	.35	.006	17	5	15.7	4.53	.46	99.72
24024	.36	.06	.51	.37	54.18	.05	.04	<.01	<.01	.42	<.001	12	1	43.1	12.72	.02	99.11
24025	19.78	4.13	4.15	9.58	28.33	.13	4.92	.23	.02	.91	.003	49	1	25.9	7.27	.52	98.09
24451	12.19	2.24	4.91	1.27	40.43	2.50	.05	.11	1.81	.50	.004	8	2	31.9	9.37	.34	97.92
24452	7.60	1.78	5.43	1.51	42.75	1.40	.80	.21	.03	.60	.003	<5	1	35.2	10.47	.59	97.31
24453	5.60	1.19	4.67	1.35	45.40	.79	.69	.18	<.01	.64	.004	13	1	37.0	11.45	.45	97.52
24454	47.87	18.25	6.09	1.40	5.81	3.93	7.31	.97	.34	.20	.001	5	3	6.8	1.12	.04	98.97
24455	50.21	8.21	16.36	.54	6.23	9.98	.07	.85	.47	.23	.007	<5	3	5.1	1.21	.05	98.26
24456	1.34	.29	1.79	.53	51.24	.44	<.04	.75	<.01	.62	<.001	12	<1	40.7	12.08	.13	97.74
24457	5.40	1.20	12.85	1.68	37.53	.44	.82	8.13	.03	.69	.002	87	1	30.4	9.08	.27	99.17
24458	28.88	1.06	17.29	.50	23.17	7.10	.04	.30	.01	.38	.013	7	9	19.3	5.43	.21	98.04
STANDARD SO-18/CSC	58.27	14.12	7.64	3.34	6.37	3.68	2.17	.69	.83	.39	.550	45	25	1.9	3.19	4.19	99.95

GROUP 4A - 0.200 GM SAMPLE BY LIBO2/LI2B407 FUSION, ANALYSIS BY ICP-ES. (LIBO2/LI2B407 FUSION MAY NOT BE SUITABLE FOR MASSIVE SULFIDE OR HIGH BARITE SAMPLES.) LOI BY LOSS ON IGNITION. TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)

- SAMPLE TYPE: ROCK R150 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

2006-07-28 P02:40

Data 1 FA _____ DATE RECEIVED: JUL 5 2006 DATE REPORT MAILED:.....





SAMPLE#	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	TOT/C	TOT/S	SUM
	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	%	%
24459	57.32	22.03	4.50	.47	1.34	6.85	3.24	.64	.07	.09	.001	<5	1	2.7	.33	.02	99.24
24460	57.52	20.07	7.09	1.04	1.23	8.19	1.08	.56	.15	.06	.002	9	1	2.5	.29	.15	99.49
24461	50.57	18.92	5.59	.53	2.87	8.35	6.49	.57	.15	.25	.004	12	5	4.9	1.14	.01	99.19
24462	39.55	12.05	11.66	4.45	9.53	9.52	2.20	.43	.77	.23	.051	93	10	9.2	2.23	.01	99.65
24463	23.44	5.24	5.40	11.02	24.69	.42	5.19	.33	.02	.58	.009	91	1	22.3	6.34	.45	98.66
24464	1.89	.14	1.92	.70	52.26	.46	.05	.03	<.01	.69	.001	<5	1	40.3	12.09	.31	98.45
24465	4.55	.84	3.36	.90	48.33	1.09	.04	.20	.01	.55	.001	6	1	37.8	11.03	.47	97.67
STANDARD SO-18/CSC	58.07	14.13	7.63	3.33	6.37	3.69	2.15	.69	.83	.39	.551	46	25	1.9	3.10	4.21	99.74

Sample type: ROCK R150.



GEOCHEMICAL ANALYSIS CERTIFICATE



Commerce Resources Corp. PROJECT Carbo File # A603427 Page 1 (a)

1450 - 789 W. Pender St., Vancouver BC V6C 1H2 Submitted by: Jody Dahrouge

SAMPLE#	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
24001	7075.6	<1	7.2	.9	25.2	<.5	378.3	163.8	3	648.6	5.2	412.8	14.2	19	2.4	4.8	21.0	246.3	582.3	89.27	457.4	103.4	26.06	50.56	3.92	9.97	.56	.98	.21	1.62	.18
24002	4744.5	1	6.2	1.0	26.1	<.5	562.0	169.8	5	100.3	6.9	365.4	11.0	37	2.5	8.5	10.7	46.4	335.1	21.15	106.2	29.1	7.33	15.51	1.57	5.28	.43	.81	.12	.79	.10
24003	6696.9	1	6.7	10.9	22.9	<.5	843.2	185.1	2	743.1	13.2	478.1	79.6	24	5.2	2.9	15.8	159.4	441.3	63.80	319.3	73.7	17.87	37.07	3.11	8.55	.53	.79	.11	1.14	.09
24004	442.8	7	.9	.1	1.7	1.7	7.2	14.1	<1	1395.1	.2	7.2	.3	9	1.2	72.8	16.0	12.4	30.1	3.25	13.5	2.9	.81	2.88	.57	2.74	.49	1.49	.21	1.26	.19
24005	3631.4	1	4.8	.5	29.8	<.5	537.6	203.2	3	374.8	16.0	89.8	45.1	7	3.1	16.6	19.4	145.1	293.5	32.34	122.6	23.6	5.93	14.60	1.61	5.60	.65	1.32	.17	.96	.12
24006	2150.2	2	5.0	.8	28.9	8.0	578.0	215.7	4	981.0	16.1	164.6	33.6	50	8.8	641.6	41.1	244.8	384.8	32.96	105.1	19.8	5.91	15.30	2.26	9.30	1.45	3.67	.57	3.56	.55
24007	4448.4	1	5.4	1.8	25.5	<.5	535.0	174.8	2	790.7	8.5	549.7	21.1	25	5.0	11.5	25.9	266.9	530.9	75.84	390.9	98.5	25.51	54.37	4.54	12.57	.84	1.33	.18	1.47	.17
24008	7195.8	<1	7.8	.4	22.6	4.8	256.7	102.0	1	753.0	4.0	108.4	13.8	11	1.6	387.2	59.4	107.4	194.4	24.77	117.5	30.5	7.91	18.47	2.48	12.16	2.14	5.81	.84	5.00	.69
24009	2088.6	<1	5.6	.8	25.3	<.5	545.2	195.1	4	264.1	7.5	525.7	31.1	23	3.1	6.2	20.5	263.3	579.8	87.76	441.0	98.5	24.61	46.77	3.52	9.70	.55	.93	.18	1.21	.15
24010	3098.1	1	4.1	.5	29.9	<.5	617.3	159.9	3	497.4	16.8	124.8	52.2	6	3.1	14.1	28.4	166.1	352.3	39.88	151.5	30.3	8.09	19.14	2.09	8.01	1.04	2.19	.28	1.49	.18
24011	2304.3	1	2.2	.2	5.3	<.5	879.9	11.5	<1	11610.8	.9	56.0	3.7	121	2.5	30.2	44.7	793.5	1341.5	119.28	365.3	36.4	8.29	15.11	2.12	8.84	1.36	3.46	.49	2.50	.29
24012	4332.6	<1	4.3	1.4	8.0	.7	732.4	67.4	<1	11999.7	2.1	59.1	5.2	121	.9	30.1	55.7	882.7	1471.8	132.29	393.9	41.0	9.44	18.67	2.65	11.37	1.80	4.59	.57	3.09	.33
24013	1852.9	3	21.3	5.9	19.6	4.2	133.6	161.8	1	3504.1	2.6	20.3	6.2	297	1.4	135.0	22.1	242.3	413.7	36.17	108.1	11.9	2.73	5.96	.98	4.43	.74	1.83	.24	1.47	.25
24014	870.2	2	4.0	.2	21.6	1.0	454.9	38.2	2	2193.4	7.2	15.3	14.8	97	1.3	64.3	14.7	414.6	667.2	54.67	150.6	13.8	2.98	4.88	.78	2.74	.41	1.11	.15	.89	.11
RE 24014	899.0	2	4.0	.2	22.0	1.1	477.7	39.1	2	2322.5	7.5	16.7	15.5	97	1.1	71.5	15.4	415.9	666.3	54.92	155.4	14.7	3.04	5.14	.79	2.98	.40	1.01	.17	.96	.13
24015	413.2	5	1.5	<.1	118.4	6.0	2822.4	2.1	4	2272.7	14.2	14.6	53.5	74	11.6	393.2	20.5	265.6	422.1	34.37	96.6	11.4	2.77	5.83	.96	4.27	.63	1.57	.28	2.08	.39
24016	3301.2	<1	7.9	2.3	11.1	.7	1017.4	102.0	1	9907.2	3.4	62.2	6.8	146	10.0	34.5	78.2	769.5	1297.7	117.89	357.8	42.1	10.71	22.94	3.46	16.93	2.54	5.99	.75	3.42	.34
24017	2917.3	1	6.1	1.4	9.4	.9	869.9	65.5	1	12411.7	2.7	73.7	6.7	142	1.0	55.9	73.5	946.1	1595.8	143.98	434.3	48.1	11.62	24.95	3.55	15.72	2.34	5.42	.70	3.40	.33
24018	6551.2	<1	6.2	.9	9.7	<.5	731.9	39.3	<1	17301.6	1.1	73.7	3.2	101	.8	22.3	51.4	1438.2	2308.3	204.60	604.2	57.2	12.63	23.90	2.98	12.00	1.53	3.76	.48	2.53	.26
24019	5711.5	<1	5.2	.7	8.3	<.5	759.5	38.4	<1	17476.1	1.8	86.4	4.3	125	1.1	27.1	54.5	1390.4	2296.6	208.03	628.3	62.0	14.01	28.64	3.29	13.61	1.64	3.89	.48	2.74	.27
24020	4800.2	1	7.1	2.1	10.8	.9	708.0	84.3	<1	12364.9	2.6	70.2	6.4	130	1.2	53.7	64.8	1062.3	1711.6	154.12	460.2	49.5	11.92	24.99	3.32	13.96	2.06	5.10	.60	3.14	.29
24021	4042.0	1	4.4	1.7	8.2	.8	547.2	47.9	<1	12498.8	2.0	57.5	5.2	83	.7	47.2	75.0	794.3	1330.1	119.82	357.1	39.7	9.75	21.16	3.16	15.77	2.38	5.91	.77	3.61	.39
24022	3778.5	2	12.9	5.4	22.0	5.7	394.1	115.5	3	2709.8	6.8	8.5	9.3	195	.6	382.7	15.6	202.6	340.5	28.99	81.9	8.8	1.87	4.02	.62	2.88	.44	1.29	.19	1.19	.17
24023	603.1	1	9.8	1.4	14.8	2.6	36.5	79.3	1	2308.6	.3	6.9	1.3	97	.2	121.7	34.8	103.5	179.3	16.28	54.0	8.3	2.41	6.38	1.04	5.82	1.10	2.90	.37	1.64	.20
24024	681.1	<1	1.1	<.1	.5	<.5	2.9	1.9	<1	4849.3	<.1	1.4	.1	<.5	.1	<.5	44.9	18.9	41.3	4.43	16.6	5.3	1.90	6.17	1.22	7.14	1.42	3.72	.42	2.46	.30
24025	1798.6	8	16.4	3.9	17.7	<.5	25.5	274.0	<1	2974.9	.1	24.0	.5	21	1.8	1.2	25.4	344.4	539.2	45.52	128.1	13.4	2.72	4.26	.89	3.91	.70	2.19	.31	2.09	.27
24451	2168.7	1	4.4	<.1	9.0	1.1	690.4	1.9	1	11385.2	2.3	66.1	7.3	108	1.2	49.0	66.3	960.0	1549.6	137.47	409.4	46.6	10.85	23.15	3.36	14.19	2.06	4.97	.60	3.07	.31
24452	4483.7	<1	4.2	1.7	8.6	.7	911.9	61.0	<1	13156.5	2.3	56.5	4.8	125	1.2	26.4	48.3	966.1	1657.2	148.17	445.8	43.6	9.37	15.91	2.21	9.67	1.39	3.67	.51	2.86	.31
24453	4416.2	<1	7.6	2.0	6.4	<.5	476.6	50.4	<1	12645.8	1.5	44.8	6.0	78	.7	18.5	52.4	763.1	1303.3	114.58	339.5	34.3	7.44	14.75	2.17	9.99	1.57	4.23	.62	3.12	.32
24454	6513.0	4	4.2	11.4	30.3	5.9	693.0	223.5	2	1651.0	16.7	33.0	3.4	144	2.6	390.2	21.7	70.5	142.2	14.10	48.4	7.8	2.01	5.62	.87	4.32	.72	1.88	.29	1.59	.24
24455	807.8	2	1.7	.2	42.4	58.2	3257.5	2.5	8	780.0	39.8	21.4	72.6	271	4.8	4339.3	28.4	219.0	323.0	27.25	80.9	9.4	2.28	5.22	.80	4.32	.91	3.18	.54	3.47	.55
24456	3381.1	<1	2.6	<.1	3.3	<.5	89.9	1.7	<1	11474.2	1.0	43.1	1.7	10	.5	38.6	36.1	712.2	1220.1	110.00	337.9	33.7	7.10	12.80	1.69	7.32	1.13	2.89	.41	2.35	.23
24457	885.0	1	7.1	1.8	9.7	.6	481.2	76.3	<1	4624.5	3.0	15.3	5.7	61	1.1	29.7	26.7	244.0	404.4	35.75	113.1	11.6	2.62	5.85	.92	4.57	.86	2.36	.38	1.75	.25
24458	2447.2	1	2.0	.2	13.2	5.8	623.1	3.9	7	10474.5	1.0	47.0	3.3	1278	3.9	185.9	29.8	761.0	1303.6	113.85	348.9	34.4	7.58	13.29	1.75	6.87	.92	2.28	.43	1.77	.30
STANDARD SO-18	488.9	1	26.5	7.0	17.1	9.6	20.5	27.0	12	403.9	7.2	9.5	15.8	201	15.8	290.4	32.9	12.6	27.7	3.25	13.3	2.9	.92	3.04	.50	2.97	64	1.89	.28	1.82	.27

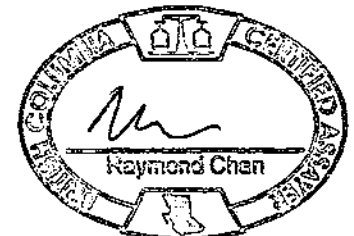
GROUP 48 - REE - 0.200 GM BY LiBO2/Li2B4O7 FUSION, ICP/MS FINISHED.

- SAMPLE TYPE: ROCK R150

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

DATE RECEIVED: JUL 5 2006 DATE REPORT MAILED: 2006-07-28 P02:41





SAMPLE#	Ba ppm	Be ppm	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
24459	704.6	8	2.2	3.2	37.1	13.6	1525.6	162.6	5	432.3	42.7	194.8	23.4	74	.7	1037.5	31.0	112.5	214.5	19.41	59.4	8.5	1.98	5.17	.91	5.32	1.11	3.65	.64	4.20	.59
24460	297.7	3	7.9	.8	30.4	19.0	776.3	42.6	2	330.9	22.0	209.3	32.2	40	4.8	1778.7	77.6	329.5	515.8	40.87	115.8	15.0	4.32	11.53	2.29	12.54	2.52	7.74	1.19	7.28	1.03
24461	2431.0	2	2.9	.9	27.8	8.9	805.7	196.1	6	887.0	17.5	168.7	32.8	98	6.2	622.4	31.8	205.3	370.4	36.32	134.9	27.2	7.57	18.26	2.24	8.44	1.10	2.69	.43	2.61	.40
24462	416.6	3	19.6	6.8	21.4	3.2	53.4	174.0	1	1272.7	3.6	6.0	2.5	293	.2	120.4	21.8	55.2	106.9	10.26	35.8	5.9	1.84	4.88	.82	3.76	.64	1.63	.25	1.40	.21
24463	1557.4	3	27.5	5.4	16.5	<.5	69.0	342.9	<1	3726.8	.9	28.4	2.6	30	1.5	4.5	23.4	441.5	699.2	58.02	169.9	17.2	3.59	7.28	1.02	3.93	.74	1.80	.25	1.36	.20
24464	2006.9	<1	1.2	<.1	3.0	<.5	578.8	4.7	<1	7572.4	.4	21.9	.7	88	.3	9.9	50.3	399.2	692.8	61.87	187.8	21.0	5.03	10.50	1.58	7.49	1.41	4.14	.62	3.30	.38
24465	3539.0	<1	4.2	<.1	4.7	<.5	1149.5	3.6	1	11176.2	1.7	52.1	2.4	61	1.4	24.3	44.1	656.8	1153.2	103.13	312.9	32.1	7.43	14.19	1.98	7.83	1.28	3.31	.50	2.70	.29
STANDARD SO-18	481.7	<1	26.7	7.3	18.0	9.9	19.8	28.6	12	399.5	7.4	9.9	15.8	200	15.7	287.7	33.7	13.0	29.1	3.48	13.6	2.9	.96	3.00	.52	3.20	.65	1.93	.28	1.76	.28

Sample type: ROCK R150.



GEOCHEMICAL ANALYSIS CERTIFICATE



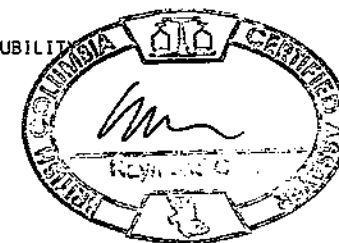
Commerce Resources Corp. PROJECT Carbo File # A603427 Page 1 (b)

1450 - 789 W. Pender St., Vancouver BC V6C 1R2 Submitted by: Jody Dahrouge

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm	Ag ppm	Au ppb	Hg ppm	Tl ppm	Se ppm
24001	3.0	3.5	43.1	399	8.8	1.7	.4	.4	.1	<.1	5.6	<.01	<.1	<.5
24002	13.8	3.2	123.5	587	6.1	20.8	.2	.3	.3	<.1	5.0	.01	<.1	<.5
24003	118.5	6.1	217.9	697	4.6	17.0	.3	.6	.8	.2	7.1	.01	<.1	<.5
24004	.3	.3	6.9	4	<.1	<.5	<.1	.1	<.1	<.1	<.5	<.01	<.1	<.5
24005	14.0	3.5	26.8	32	2.6	4.5	<.1	.9	.2	<.1	3.8	<.01	<.1	<.5
24006	.8	3.9	31.2	145	11.5	11.0	.3	.5	.1	.1	4.1	<.01	.2	<.5
24007	1.1	3.5	46.7	150	6.1	5.2	.2	.3	.1	<.1	8.0	.01	<.1	<.5
24008	80.4	4.0	25.4	226	11.8	3.2	.3	.4	.3	<.1	14.6	.01	<.1	<.5
24009	1.5	5.8	17.4	80	5.8	12.6	.1	.2	.1	<.1	6.9	<.01	<.1	<.5
24010	9.9	4.0	106.9	214	2.8	6.0	.4	1.1	.5	<.1	5.5	.01	.1	<.5
24011	.9	7.7	158.4	70	3.6	8.2	.3	.1	2.7	.3	.9	.01	<.1	<.5
24012	3.4	5.6	154.2	218	16.2	10.7	1.0	.2	2.6	.2	1.1	.01	.2	<.5
24013	.5	2.5	11.2	93	117.0	11.8	.1	.1	.1	<.1	1.2	<.01	.4	<.5
24014	.2	.7	78.5	167	5.1	4.0	.5	.5	.6	<.1	3.1	.01	<.1	<.5
RE 24014	.3	.5	74.4	166	5.4	3.5	.6	.4	.6	<.1	2.1	<.01	<.1	<.5
24015	.2	.6	71.9	1710	1.2	3.1	4.2	.6	.8	.3	.9	.11	<.1	<.5
24016	2.6	24.9	114.4	281	41.7	14.2	.9	.2	1.9	.2	<.5	.02	.2	<.5
24017	5.3	19.8	189.0	301	24.1	12.3	1.2	.2	3.1	.3	1.3	.02	.2	<.5
24018	1.6	67.2	95.9	1282	17.1	9.5	4.3	.1	1.4	.1	4.3	.13	.1	<.5
24019	2.6	8.9	306.2	777	14.6	5.7	2.9	.3	4.9	.5	2.7	.06	.1	<.5
24020	11.1	3.4	163.4	445	19.2	15.7	1.6	.3	2.6	.2	2.2	.02	.3	<.5
24021	18.2	5.5	219.0	503	8.6	10.1	2.0	.2	3.7	.3	2.6	.03	.2	<.5
24022	.4	16.5	103.1	324	43.9	11.7	.4	.1	1.3	.1	1.7	.01	.2	<.5
24023	4.0	19.9	10.1	33	17.8	26.0	.1	.2	.8	<.1	4.4	<.01	.3	<.5
24024	2.6	13.2	65.2	727	9.0	11.4	2.5	.2	.7	.2	1.2	.05	<.1	<.5
24025	.5	110.5	3484.0	7518	52.1	39.3	21.8	.5	41.5	7.8	4.2	.46	1.4	3.5
24451	15.1	4.4	149.5	401	2.9	17.8	1.5	.3	2.6	.3	4.4	.03	.1	<.5
24452	1.1	2.5	30.9	178	6.8	7.9	.9	.1	.3	<.1	1.9	.01	.2	<.5
24453	1.1	2.1	28.8	54	12.6	9.6	.2	.2	.4	<.1	1.8	.01	.1	<.5
24454	.2	4.9	25.8	165	8.3	1.2	.2	<.1	.2	<.1	1.8	.01	.3	<.5
24455	2.1	2.1	1076.7	1648	1.2	5.7	4.4	.1	18.4	1.2	3.0	.07	.1	<.5
24456	<.1	5.6	28.6	26	7.7	7.5	.2	.1	.3	<.1	1.3	<.01	<.1	<.5
24457	.1	28.8	19.4	250	71.8	8.1	1.1	<.1	.2	<.1	1.9	.02	.1	<.5
24458	.5	2.6	47.0	129	2.3	8.2	.5	.1	.6	<.1	1.7	.01	<.1	<.5
STANDARD DS7	20.5	105.7	72.7	405	53.7	47.7	6.3	5.7	4.7	.9	69.8	.20	4.1	3.6

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: ROCK R150 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data # FA _____ DATE RECEIVED: JUL 5 2006 DATE REPORT MAILED: 2006-07-28 P02:41





SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm	Ag ppm	Au ppb	Hg ppm	Tl ppm	Se ppm
24459	.1	22.0	19.0	65	2.4	.8	.1	<.1	.2	<.1	2.2	<.01	.1	<.5
24460	4.3	4.7	9.8	88	8.7	3.1	<.1	.1	.8	<.1	1.7	<.01	<.1	<.5
24461	1.0	8.0	32.8	80	6.8	2.8	.1	.3	.1	<.1	2.7	<.01	<.1	<.5
24462	13.3	4.7	16.1	93	85.1	47.6	.1	<.1	.3	<.1	<.5	<.01	.4	<.5
24463	5.1	42.0	924.4	1967	81.7	40.2	6.1	.4	10.2	1.8	4.8	.12	1.2	1.9
24464	.4	2.1	40.6	162	1.8	19.8	1.7	.2	.5	<.1	3.0	.01	<.1	.6
24465	.4	3.7	32.5	282	6.1	144.7	1.4	.6	.4	<.1	9.9	.02	<.1	.5
STANDARD DS7	20.5	104.9	69.0	406	55.4	48.0	6.4	5.3	4.5	.9	81.6	.20	4.0	3.9

Sample type: ROCK R150.

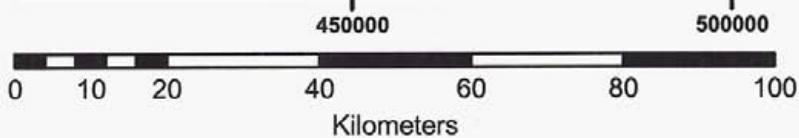
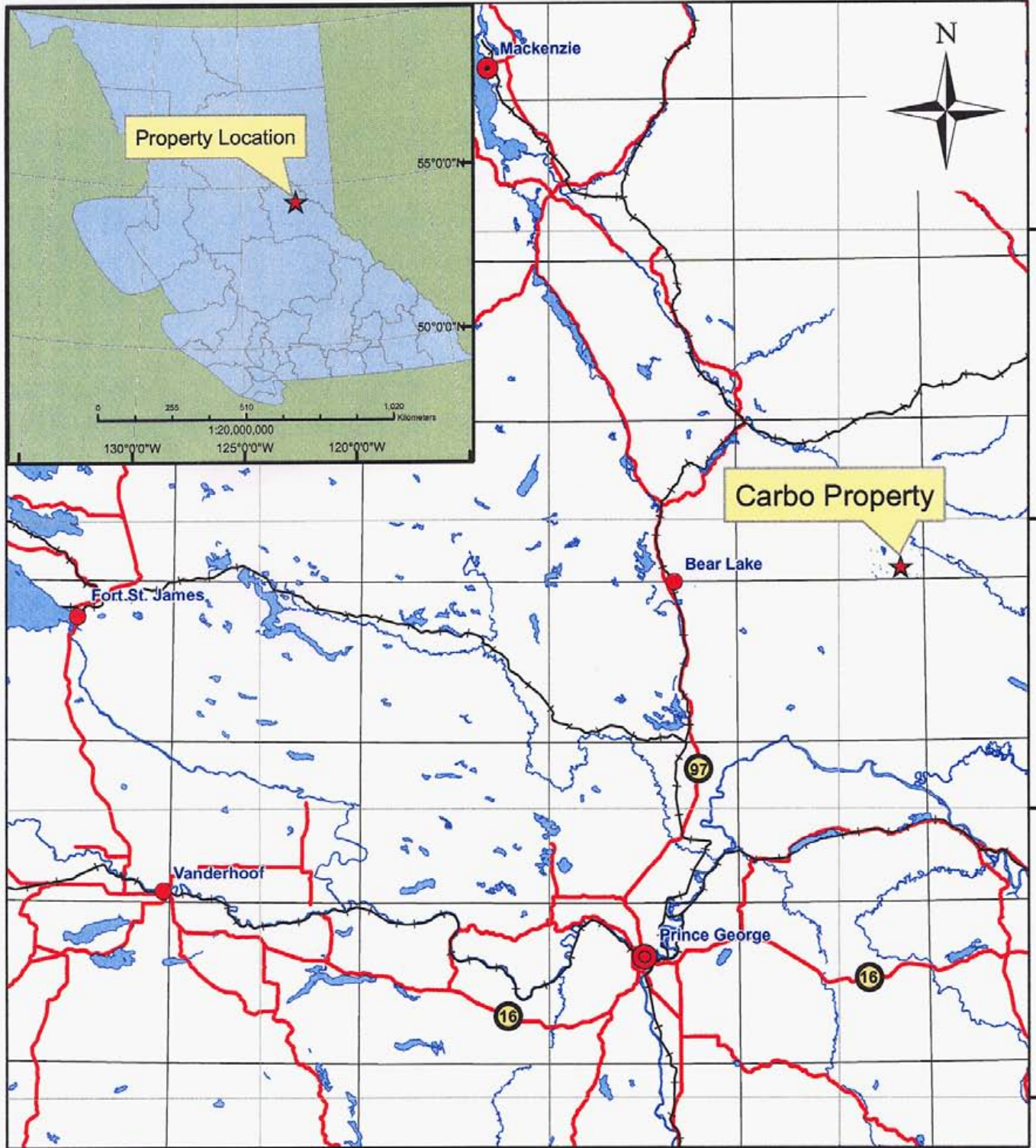
APPENDIX 5: STATEMENT OF QUALIFICATIONS

The field work described in this report was supervised by Michael Guo.

Michael Guo is a geological consultant with Dahrouge Geological Consulting Ltd. He obtained a Bachelor of Engineering degree in geology and a M.Sc in Geology from the Central South University of Technology, Changsha , P.R. China in 1985 and 1990, respectively. He is a graduate of University of Science and Technology of China, Hefei, P.R. China with a Ph.D in geochemistry, 2000, and a graduate of Sir Sanford Fleming College, Lindsay, Ontario with a Specialist Certificate in GIS, 2004. He has more than 10 years of experience in geological research and mineral exploration. He is registered as P. Geol. with the Association of Professional Engineers, Geologists, and Geophysicists of Alberta.

Dated at Edmonton, this 14th day of Sept, 2006.

Michael Guo, PGeol
APEGGA M83289



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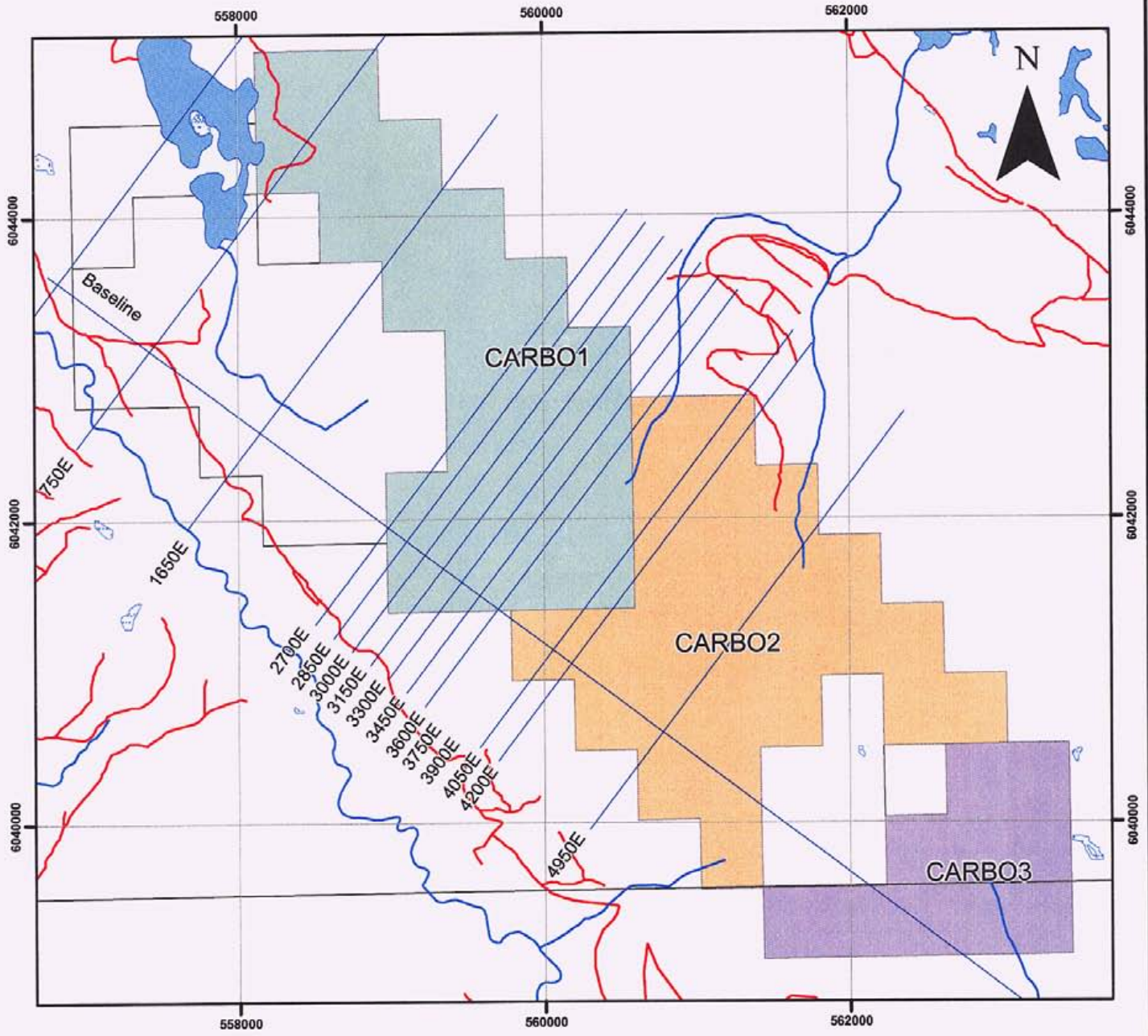
Legend

- ★ Property Location
- Lake
- +— Rail
- Road

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Edmonton, Alberta

Fig. 1 Location Map, Carbo Project, BC



Legend

- Local Grid
- Road

Carbo Property

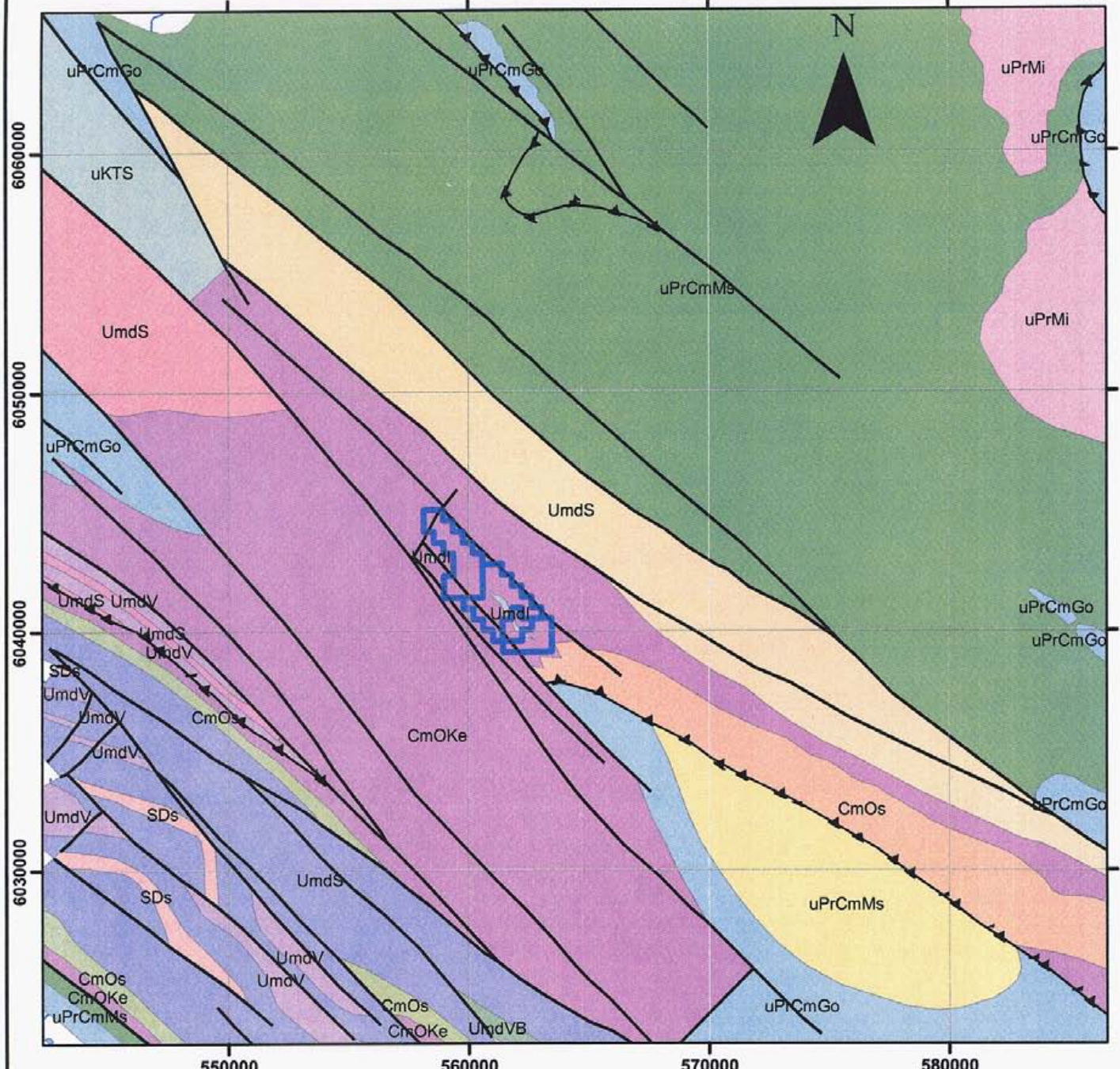
- CARBO1
- CARBO2
- CARBO3

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Fig.2 Claim Map, Carbo Project, BC



Simplified after 1:250,000 BC Digital Geological Map

Legend

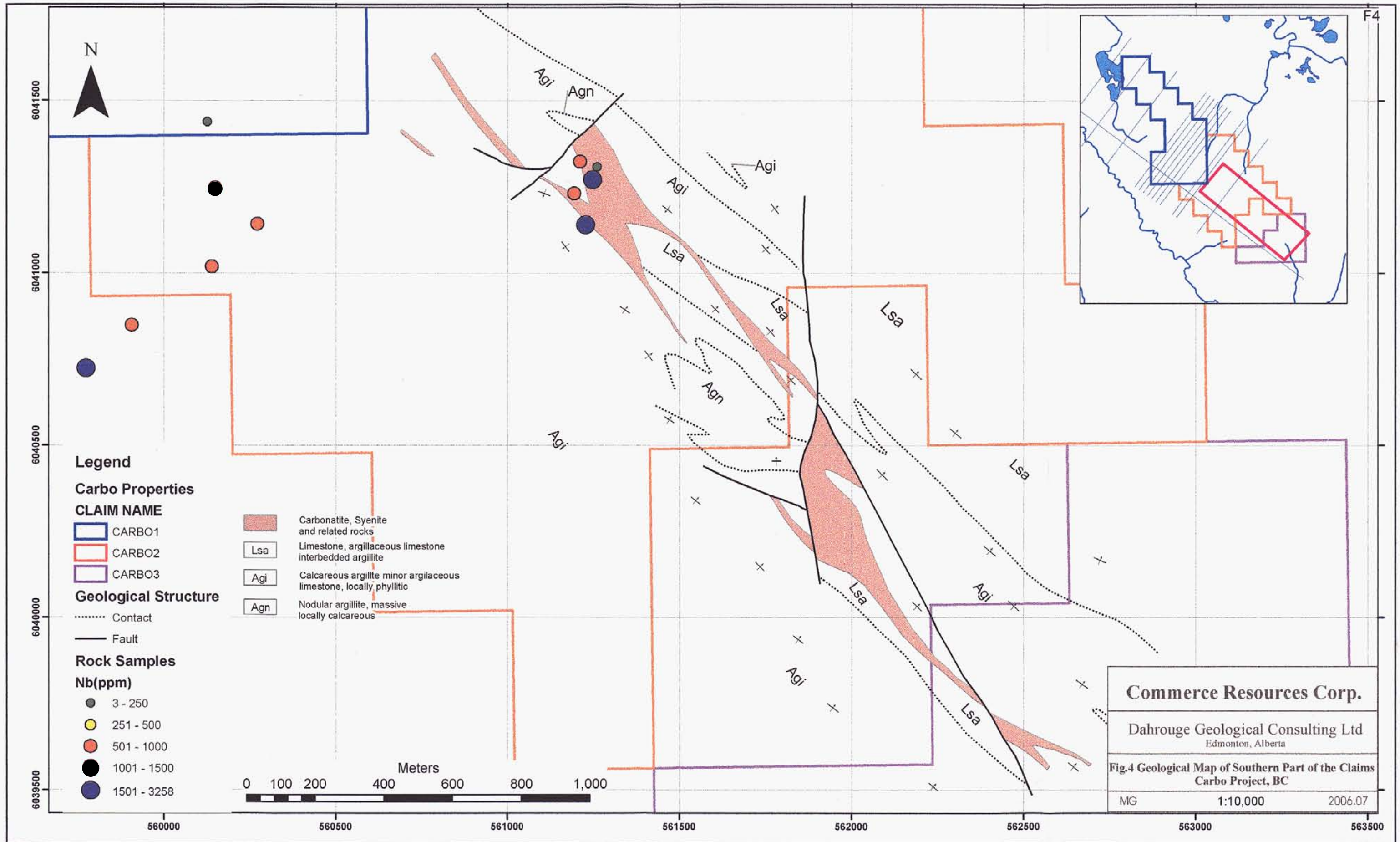
- uKTS Cenozoic - Reynolds Creek Succession coarse clastic sedimentary rocks
- UmdV Permian Unnamed rhyolite, felsic volcanic rocks
- UmdS Carboniferous to Permian Unnamed carbonate rock, slate, silts
- UmdVB Devonian Unnamed basaltic volcanic rocks
- UmdS Devonian Unnamed carbonate rock, slate, silts
- Umdl Devonian Unnamed syenitic to monzonitic rocks
- SDs Silurian to Devonian Tapioca Sandstone undivided sedimentary rocks
- CmOs Ordoevician Skoki Formation dolomitic carbonate rocks
- CmOs Lower Ordoevician Monkman Quartzite quartzite, quartz arenite sedimentary rocks
- UmdS Cambrian to Devonian Unnamed carbonate rock, slate, silts
- CmOKe Cambrian to Ordoevician Kechika Group limestone, marb, slate
- uPrCmGo Cambrian Gog Group quartzite, quartz arenite sedimentary rocks
- UmdS Cambrian Unnamed carbonate rock, slate, silts
- uPrMi Upper Proterozoic Miette Group dolomitic carbonate rocks, sedimentary rocks
- uPrCmMs Upper Proterozoic Misinchinka Group quartzite, quartz arenite, greenstone
- uPrCmMs Upper Proterozoic to Cambrian Misinchinka Group quartzite, quartz arenite



- Carbo Properties
- Regional Faults**
- Fault
- ▲ Thrust

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Fig. 3 Regional Geology, Carbo Project, BC		
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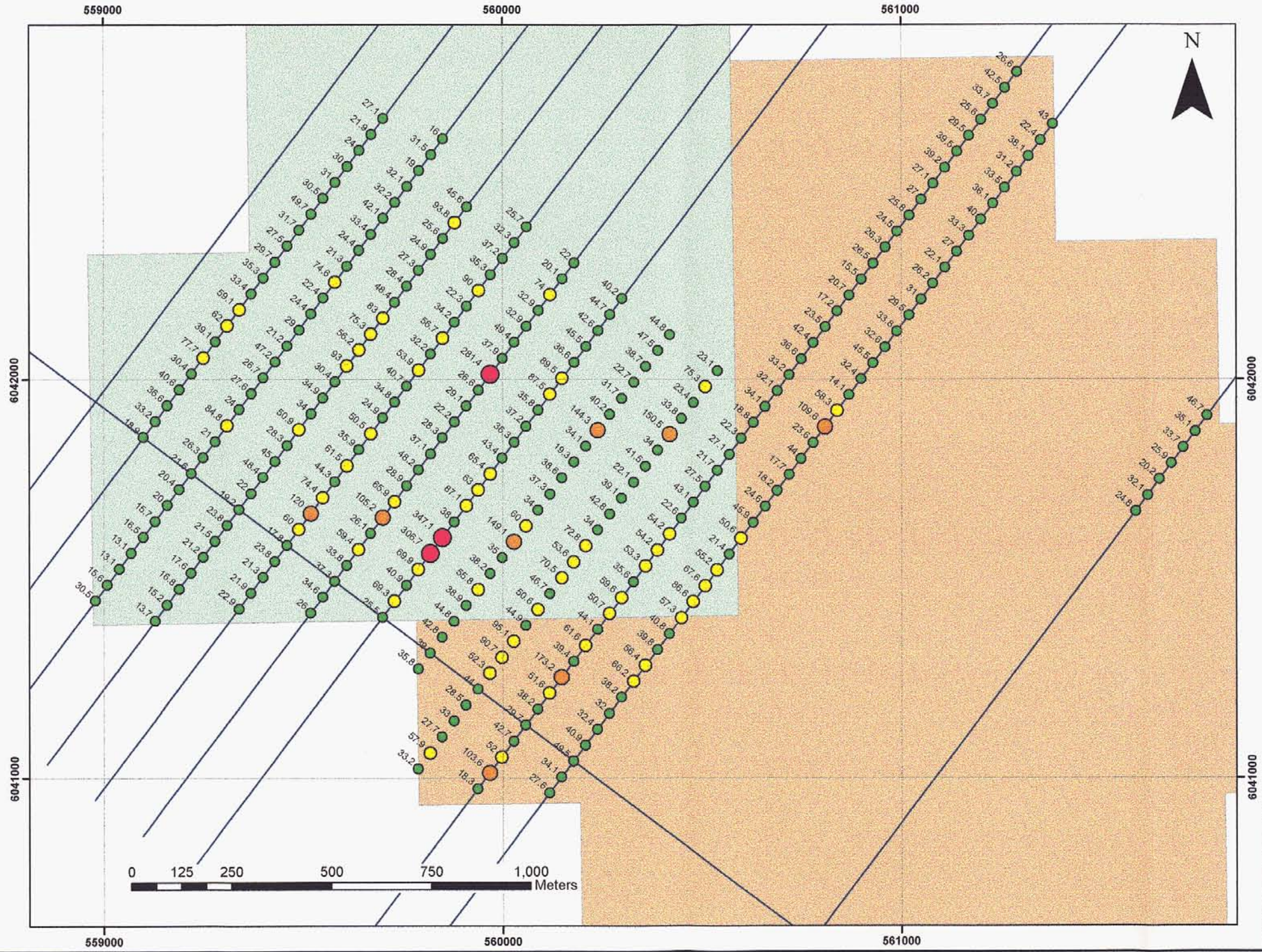


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Edmonton, Alberta

Fig.4 Geological Map of Southern Part of the Claims Carbo Project, BC

MG 1:10,000 2006.07



Legend

- CARBO1
- CARBO2
- CARBO3

Soil Geochemistry

Nb (ppm)

- 13.1 - 50.0
- 50.1 - 100.0
- 100.1 - 200.0
- 200.1 - 347.1

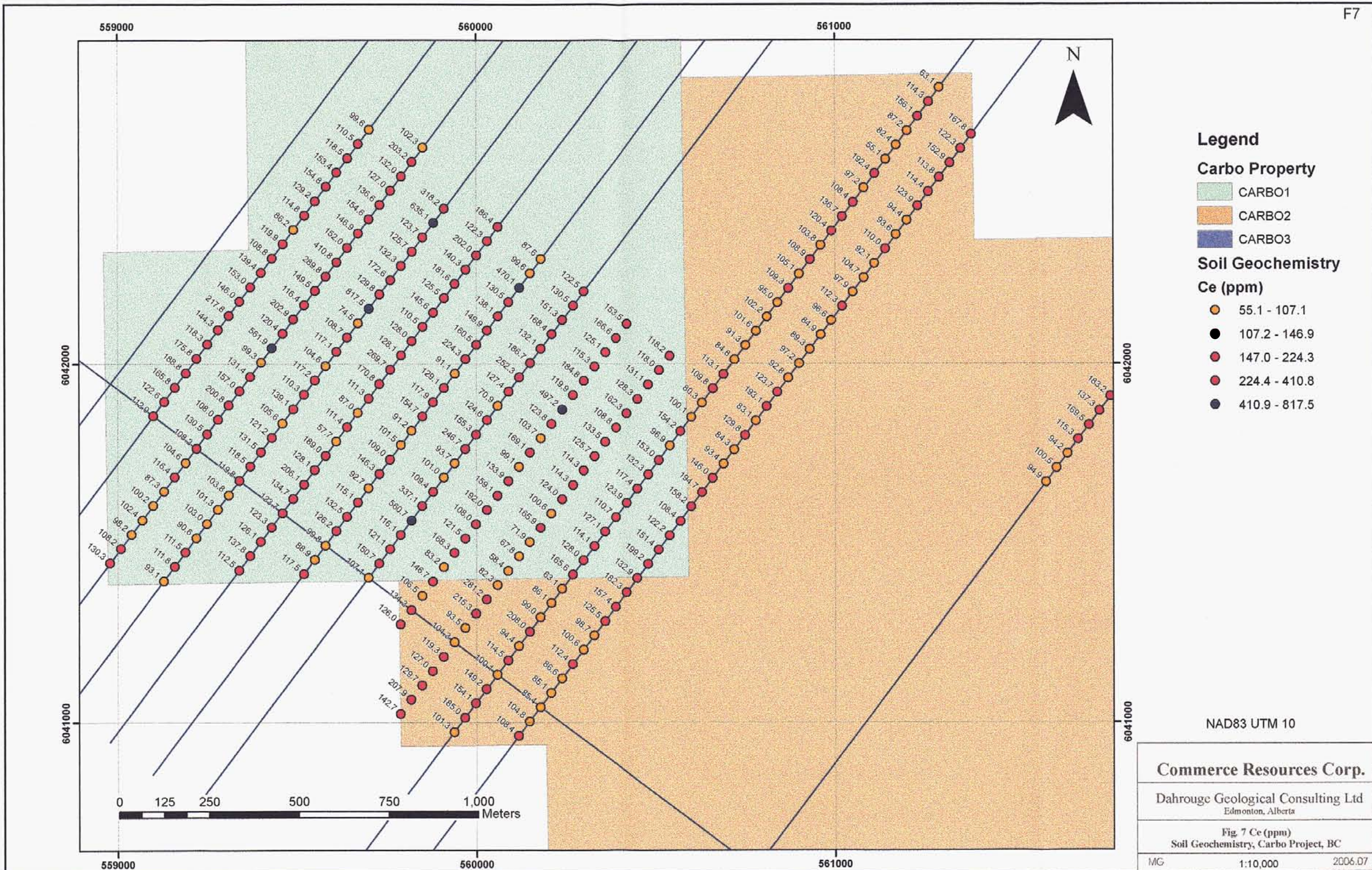
NAD83 UTM 10

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Dahrouge Geological Consulting Ltd
Edmonton, Alberta

Fig. 6 Nb (ppm)
Soil Geochemistry, Carbo Project, BC

MG 1:10,000 2006.07



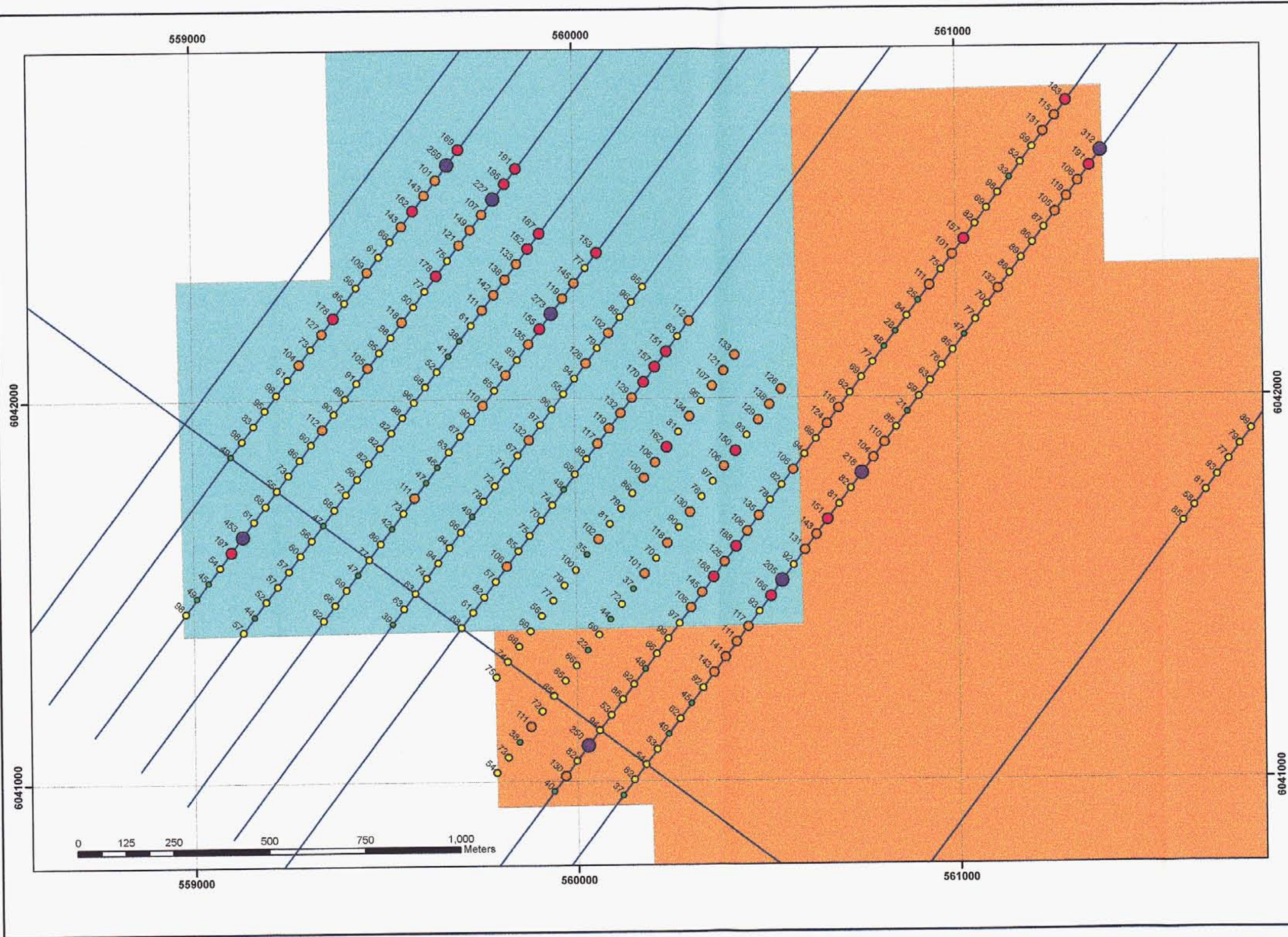
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Edmonton, Alberta

Fig. 7 Ce (ppm)
Soil Geochemistry, Carbo Project, BC

MG 1:10,000 2006.07



- Legend**
- Carbo Properties**
- CLAIM NAME**
- CARBO1
 - CARBO2
 - CARBO3
- Soil Geochemistry**
- Sr(ppm)**
- 21 - 50
 - 51 - 100
 - 101 - 150
 - 151 - 200
 - 201 - 453

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Fig. 8 Sr (ppm)
Soil Geochemistry, Carbo Project, BC

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559000

560000

561000



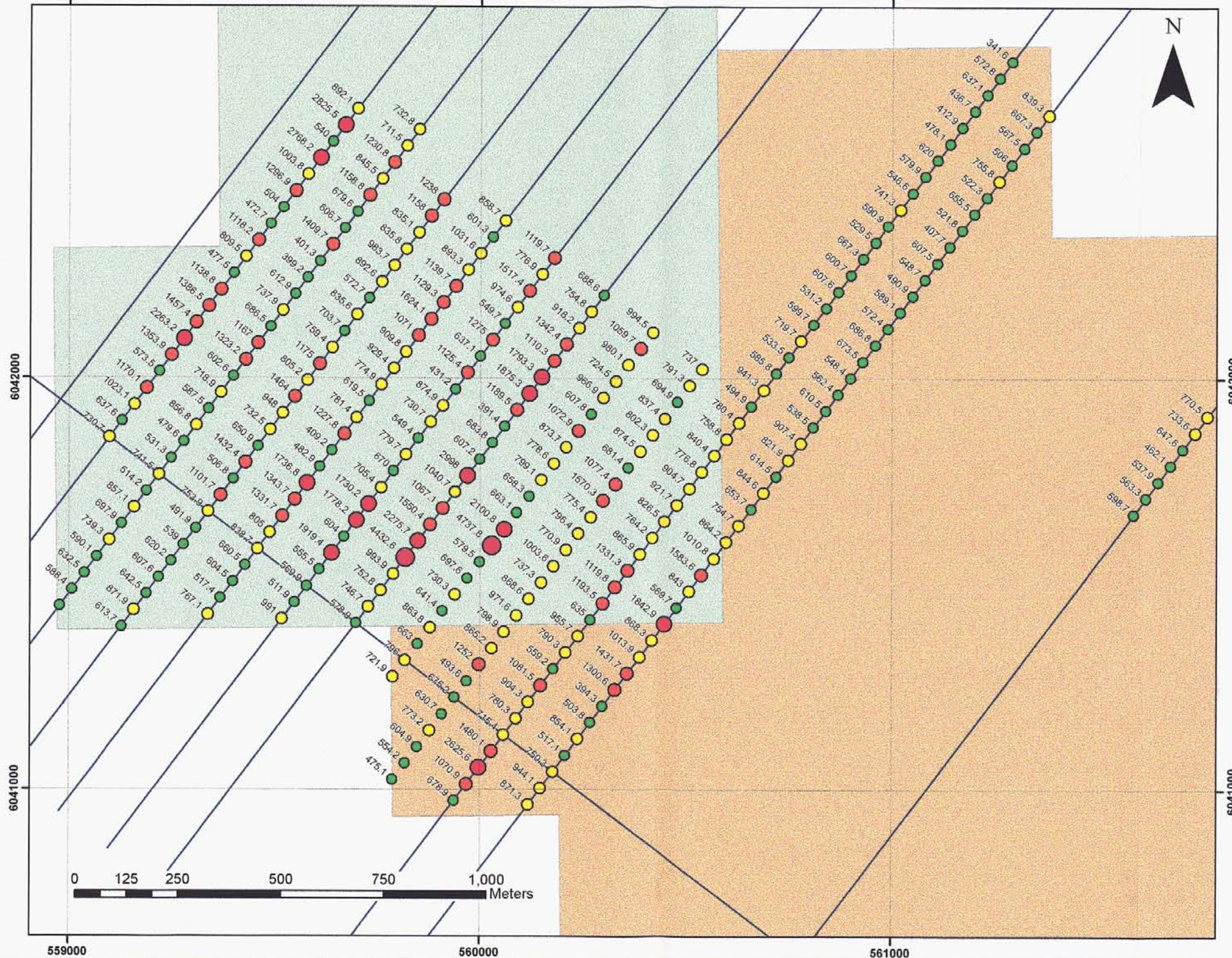
Legend

Carbo Property

- CARBO1
- CARBO2
- CARBO3

**Soil Geochemistry
Ba(ppm)**

- 341.6 - 703.7
- 703.8 - 1040.7
- 1040.8 - 1624.1
- 1624.2 - 2998.0
- 2998.1 - 4737.8



6042000

6042000

6041000

6041000

559000

560000

561000



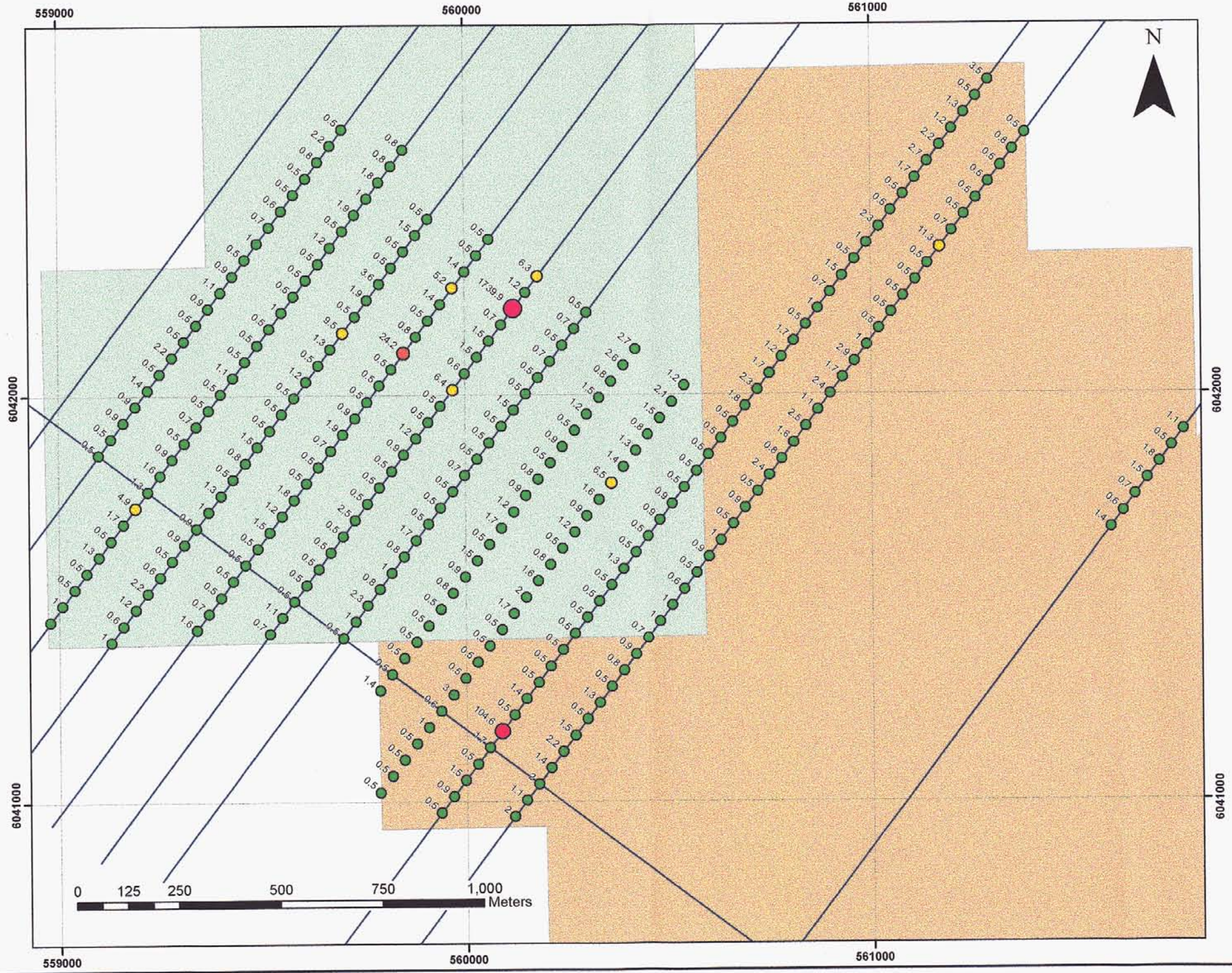
NAD83 UTM 10

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Dahrouge Geological Consulting Ltd
Edmonton, Alberta

Fig 9 Ba (ppm)
Soil Geochemistry, Carbo Project, BC

MG 1:10,000 2006.07



Legend

Carbo Property

- CARBO1
- CARBO2
- CARBO3

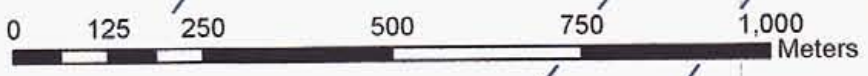
Soil Geochemistry

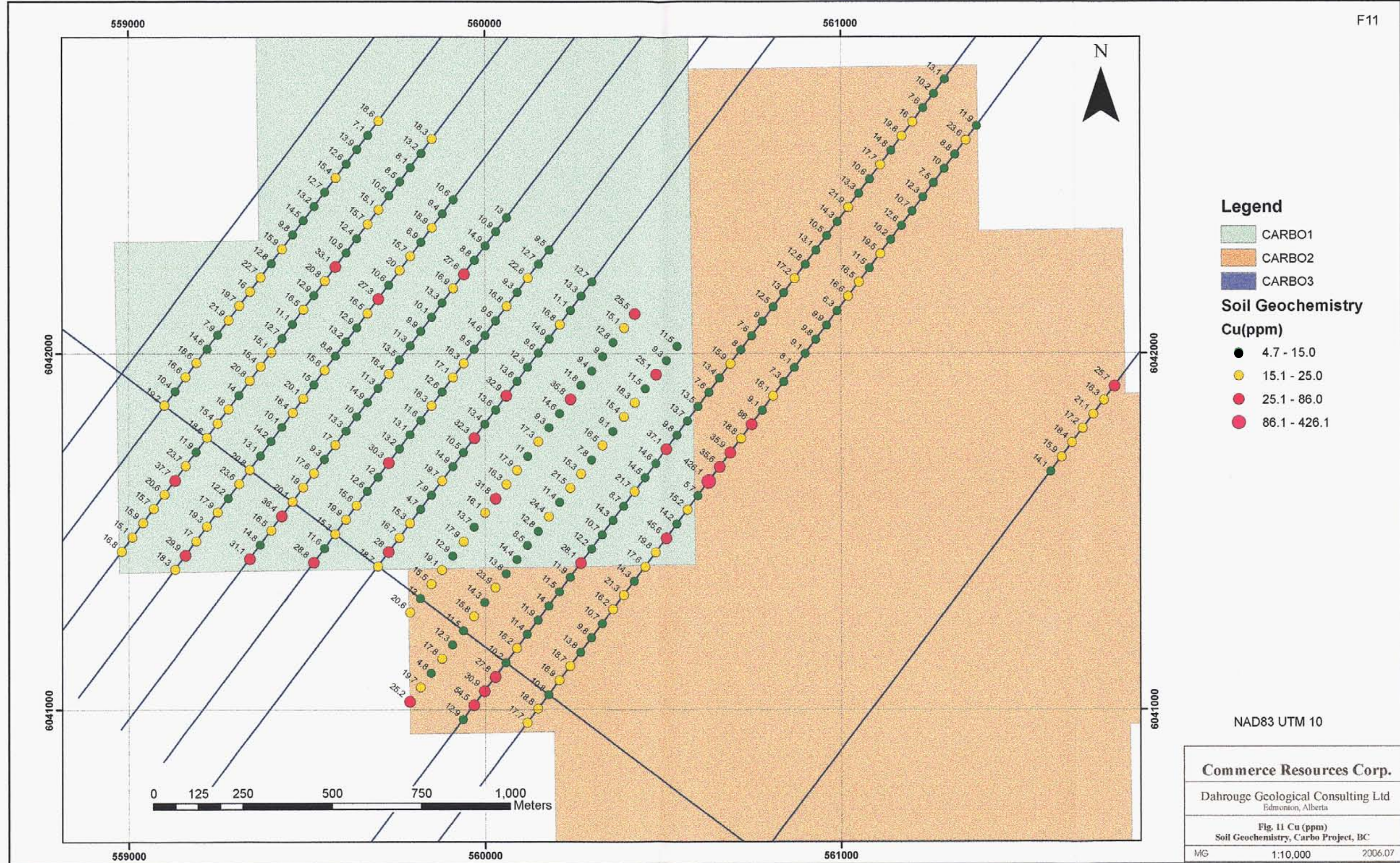
Au(ppb)

- 0.5 - 3.6
- 3.7 - 11.3
- 11.4 - 24.2
- 24.3 - 104.6
- 104.7 - 1739.9

NAD83 UTM 10

Commerce Resources Corp.		
Dahrouge Geological Consulting Ltd Edmonton, Alberta		
Fig. 10 Au (ppb) Soil Geochemistry, Carbo Project, BC		
MG	1:10,000	2006.07





Legend

- CARBO1
- CARBO2
- CARBO3

Soil Geochemistry

Cu(ppm)

- 4.7 - 15.0
- 15.1 - 25.0
- 25.1 - 86.0
- 86.1 - 426.1

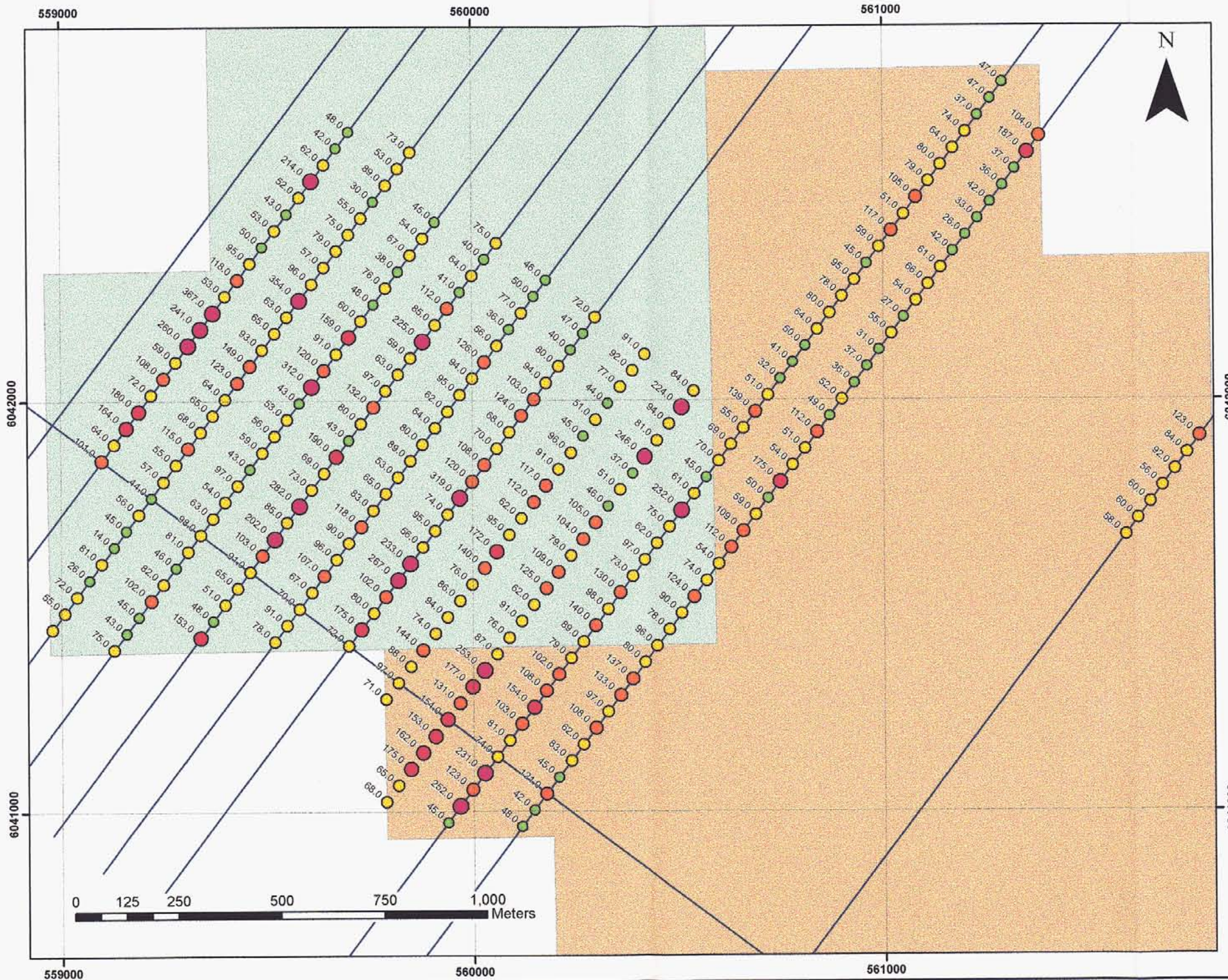
NAD83 UTM 10

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Edmonton, Alberta

Fig. 11 Cu (ppm)
Soil Geochemistry, Carbo Project, BC

MG 1:10,000 2006.07



Legend

Carbo Property

- CARBO1
- CARBO2
- CARBO3

Soil Geochemistry

Zn (ppm)

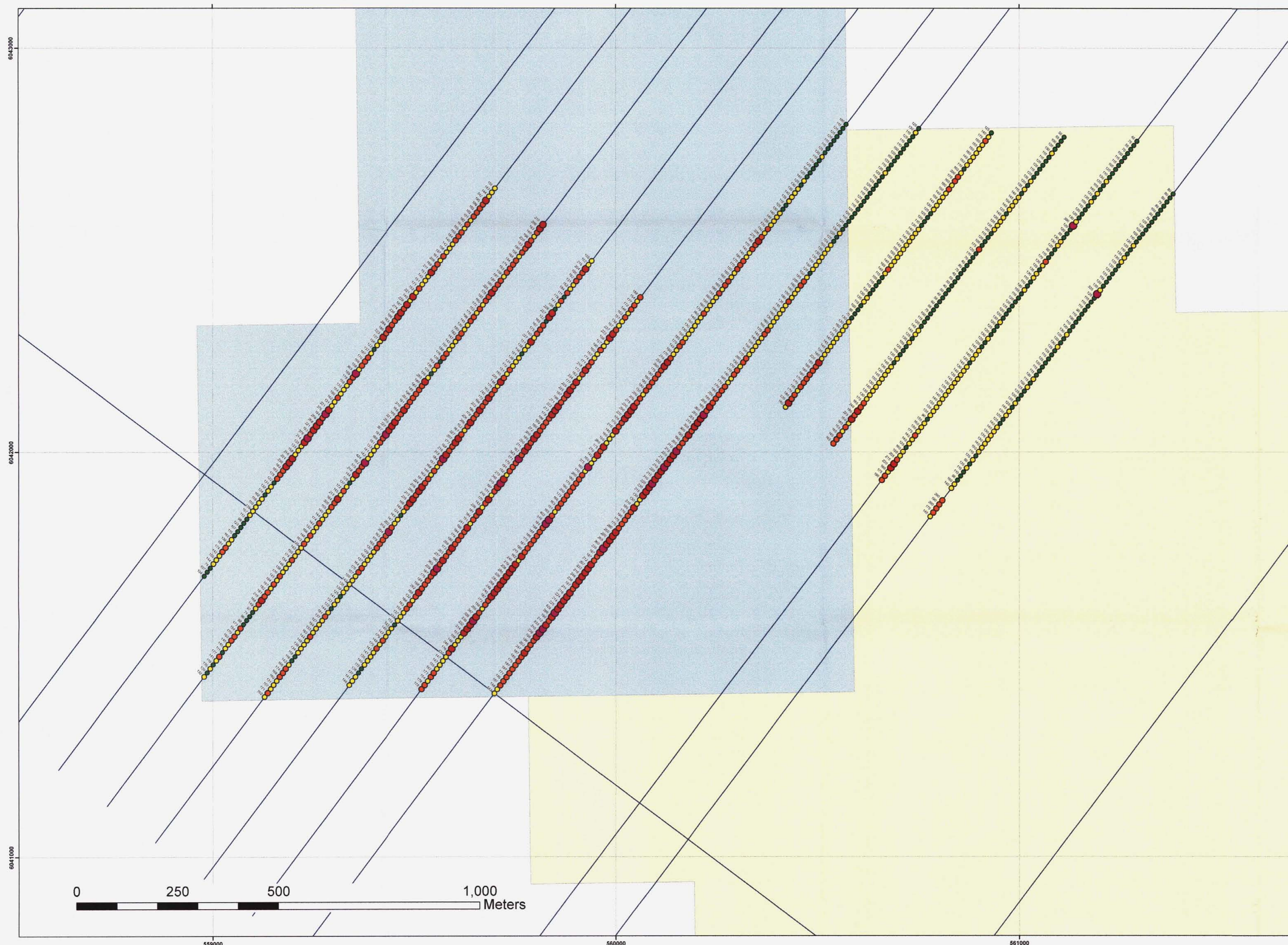
- 14.0 - 50.0
- 50.1 - 100.0
- 100.1 - 150.0
- 150.1 - 200.0
- 200.1 - 367.0

NAD83 UTM 10

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Edmonton, Alberta

Fig. 12 Zn (ppm)
Soil Geochemistry, Carbo Project, BC



Legend
Scintilometer Survey
CPS

- 40 - 126
- 127 - 162
- 163 - 206
- 207 - 300
- 301 - 833

Carbo Properties
CLAIM NAME

- CARBO1
- CARBO2
- CARBO3

28,528
 GEOLOGICAL SURVEY BRANCH
 ASSESSMENT REPORT
 NAD83 UTM 10

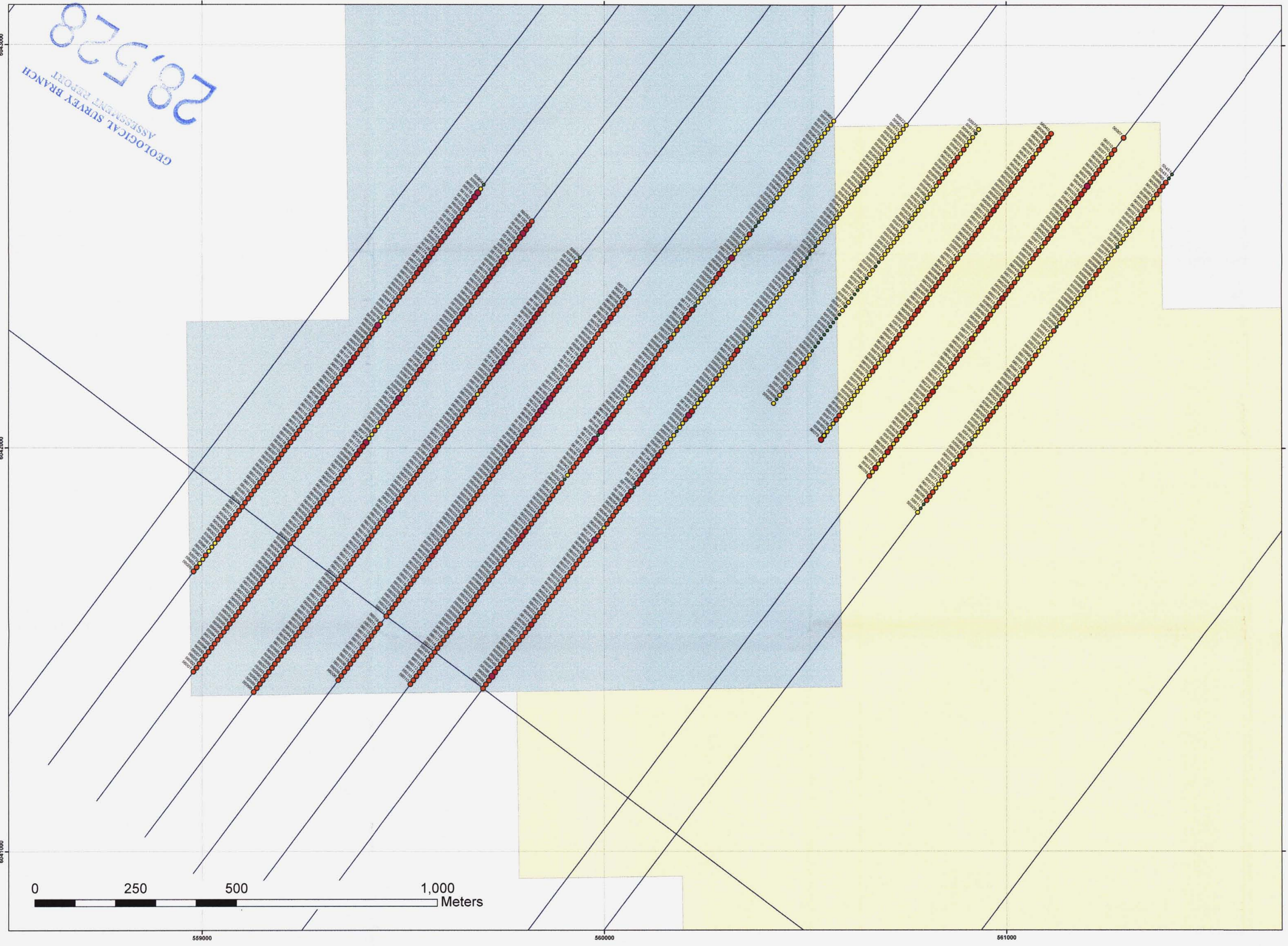
Commerce Resources Corp.

Dahrouge Geological Consulting Ltd
 Edmonton, Alberta

Fig. 13 Scintilometer Survey
Carbo Project, BC

MG 1:5,000 2006.07

28,528
 GEOLICAL SURVEY BRANCH
 ASSESSMENT REPORT



- Legend**
- Carbo Properties**
- CLAIM NAME**
- CARBO1
 - CARBO2
 - CARBO3
- Mag2006**
- nT (corrected)**
- 55451 - 55921
 - 55922 - 55989
 - 55990 - 56069
 - 56070 - 56233
 - 56234 - 56948

NAD83 UTM 10

Commerce Resources Corp.

Dahrouge Geological Consulting Ltd
 Edmonton, Alberta

Fig. 14 Magnetometer Survey
 Carbo Project, BC