GEOLOGICAL, TRENCHING AND GEOCHEMICAL SAMPLING REPORT

on the

CARIBOO PROPERTY

~~Most Likely~~ 4, ML 1 and ML 2 Mineral Claims

Cariboo Mining Division

NTS: 93A/12E

B.C. Geographic System Map Sheet: 093A.062

Latitude: 52° 41.4′ N; Longitude 121° 42.8′ W

UTM: 5 838 300 N; 586 800 E; Zone 10

Owner: 639893 B.C. Ltd.

Operator: Cross Lake Minerals Ltd.

Author: Jim Miller-Tait, P.Geo.

September 13, 2002

TABLE OF CONTENTS

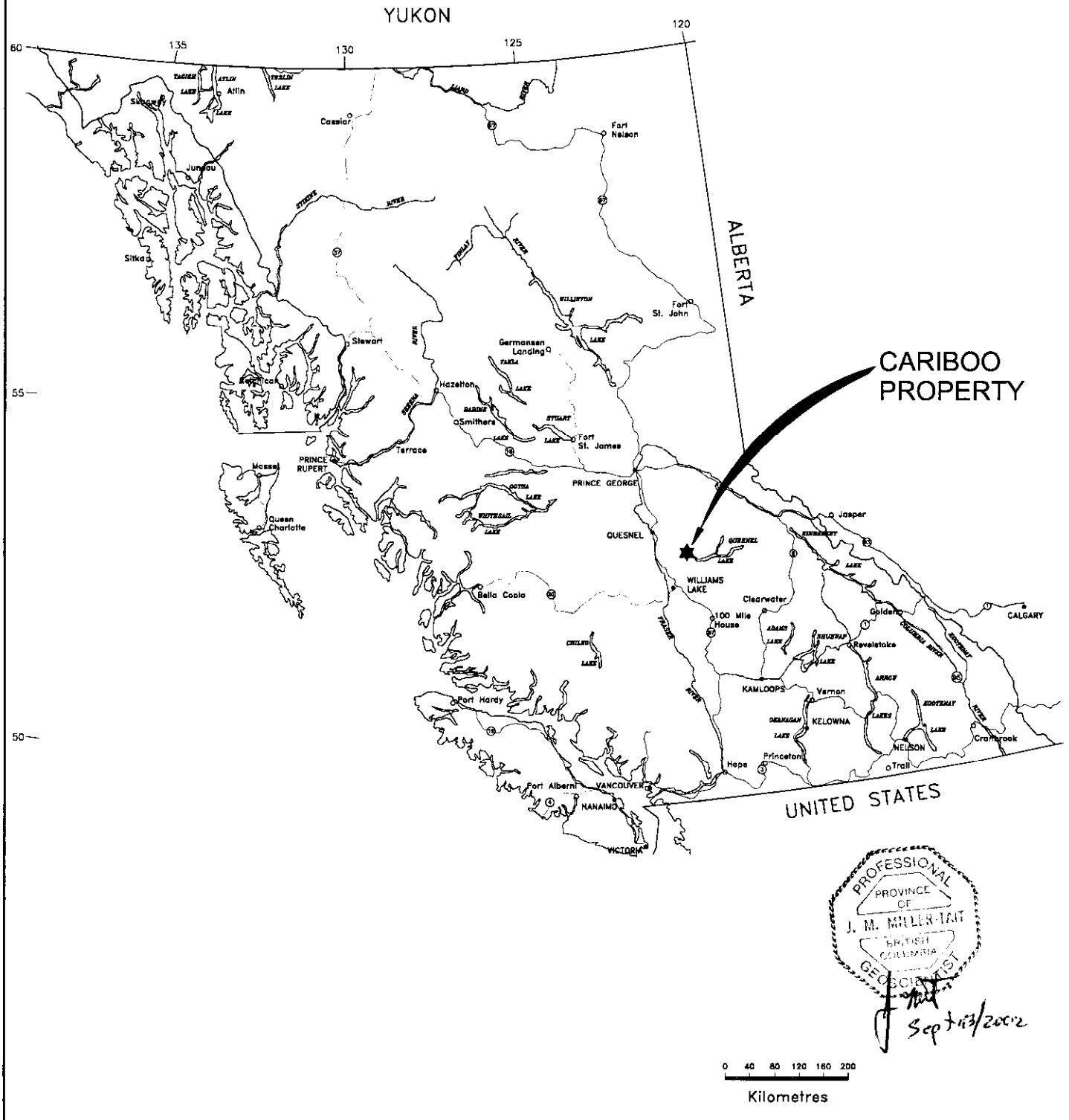
SECTION A: REPORT

INTRODUCTION:

Cross Lake Minerals Ltd. holds an option, by agreement with Imperial Metals Corporation dated May 2, 2002, to acquire a 100% interest in the Cariboo Property (the "Property"). This report documents the first phase of exploration work carried out on the Property during June, 2002. The fieldwork consisted 1425 metres of soil sample line, with two samples collected at each site in order to obtain a comparison of conventional soil sampling and analyses with Mobile Metal Ions (MMI) sample collection and analyses. The test soil sample line covered L55E, previously sampled in 1987 by E&B Explorations Inc., from 100N to 1525N with the projected mineralized host, silicified volcanic tuffs, located at approximately 600N. The comparison of the results of the conventional versus the MMI soil results concluded that both soil sampling methods and analyses outlined the mineralization accurately. A program of trenching was also carried out with the excavation, mapping and sampling of four trenches designated CT-02-1 to CT-02-4. The logging roads which have exposed extensive areas of bedrock were also mapped.

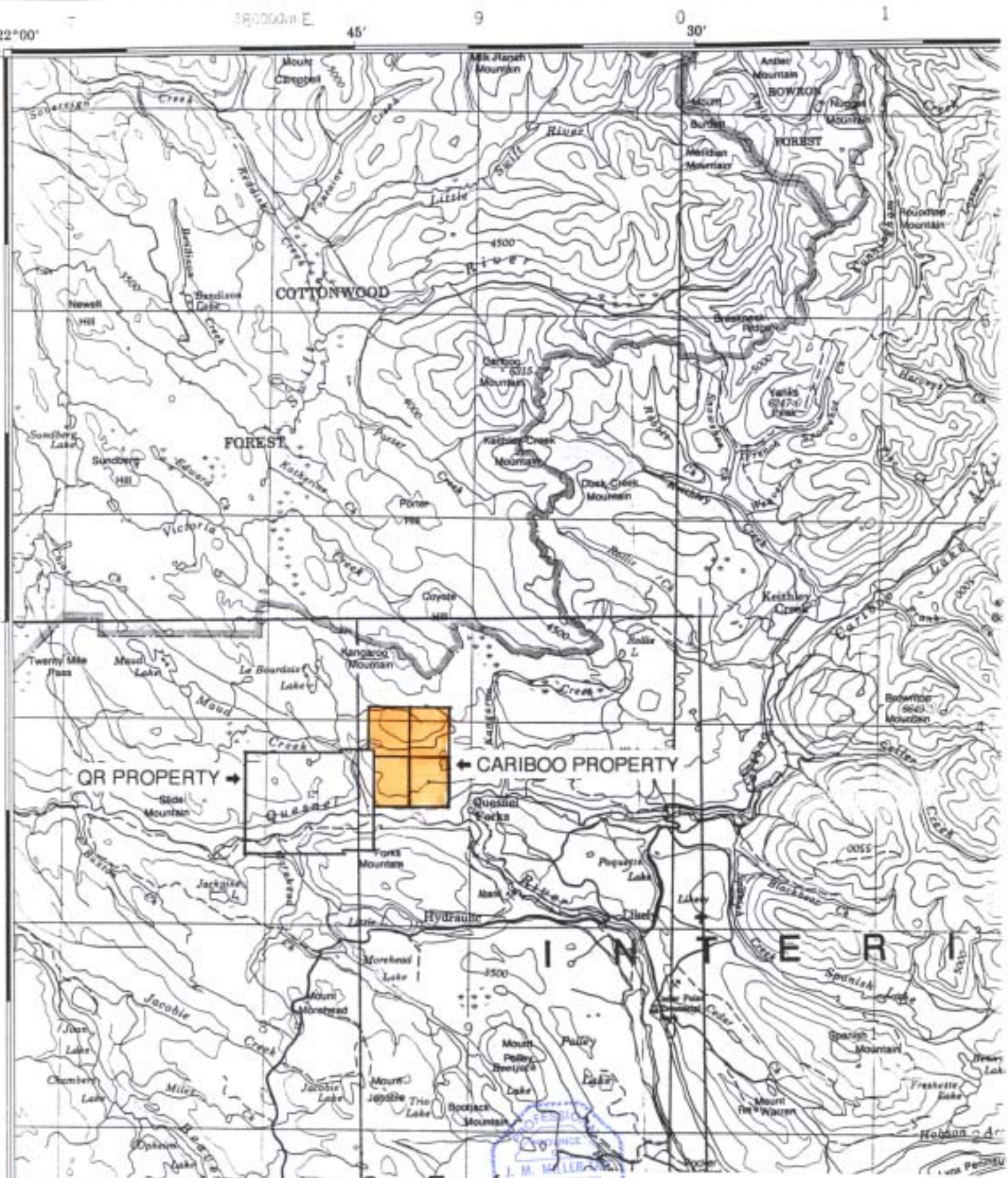
PROPERTY:

The Cariboo Property is comprised of four contiguous mineral claims totalling 80 claim units and covering 2,000 hectares, all being in the Cariboo Mining Division. The Most Likely #4 claim was staked in June, 1981, while the ML #1 to #3 were staked in May, 2002. All are registered in the name of 639893 B.C. Ltd., a wholly-owned subsidiary of Cross Lake Minerals Ltd. The details of the mineral claims that comprise the Property is set out in Section B of this report.



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
J. M. MILLER-TAIT
GEOSCIENTIST
Sept 13/2002

	Cross Lake Minerals Ltd.
	CARIBOO PROJECT
	PROPERTY LOCATION
CaribooLoctn.dwg	Plan No. CAR-02-1 / DATE: September, 2002 / Tindall Geoservices Inc.



CROSS LAKE MINERALS LTD.

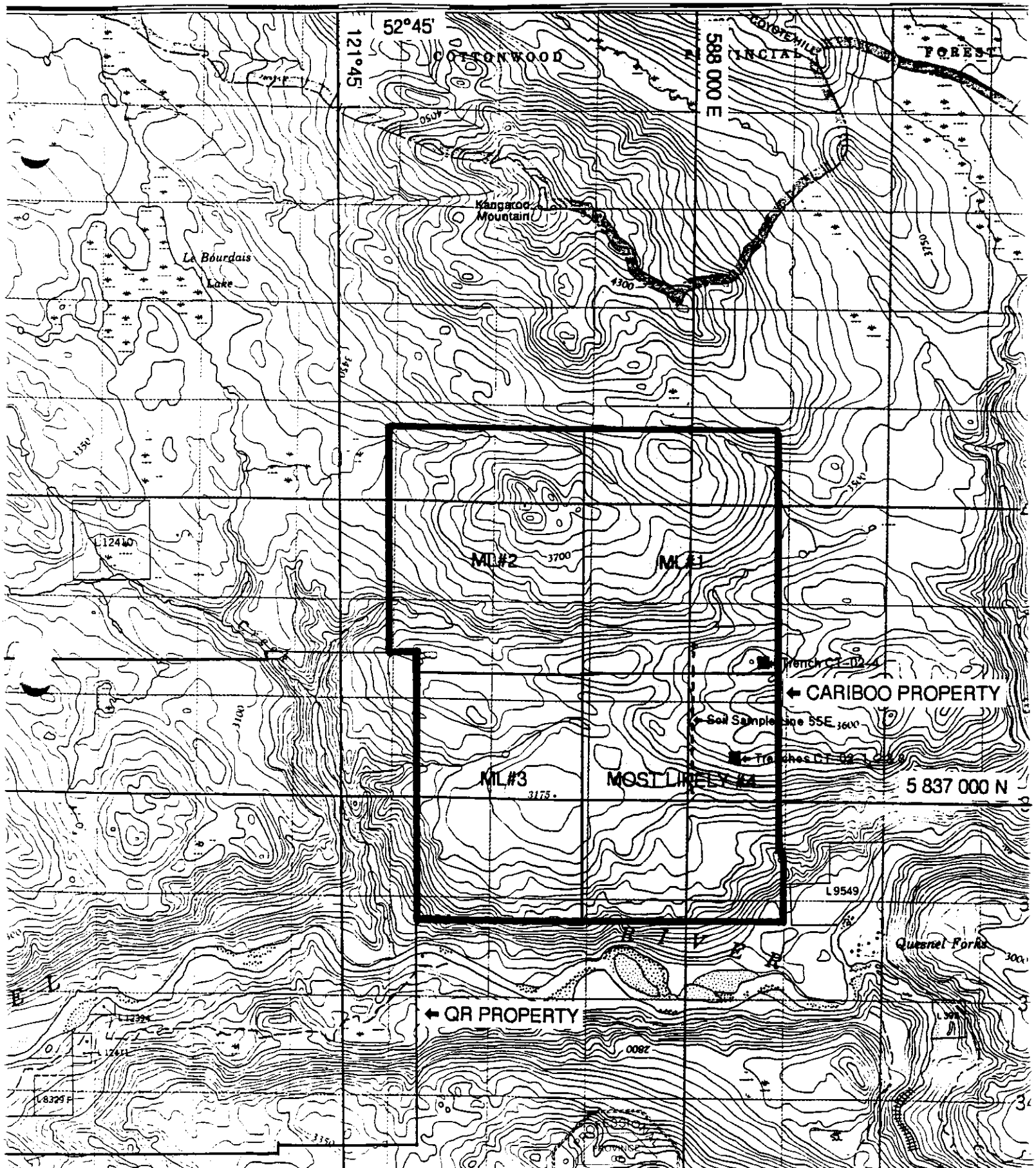
CARIBOO PROPERTY

Cariboo Mining Division

GENERAL LOCATION PLAN

Scale: 1:250 000 NTS: 93A/12E

Plan No. CAR-02-2 September 2002



J. M. MILLER-TAIT
BRITISH COLUMBIA
GEOSCIENTIST

Sept. 13/2002

CROSS LAKE MINERALS LTD.

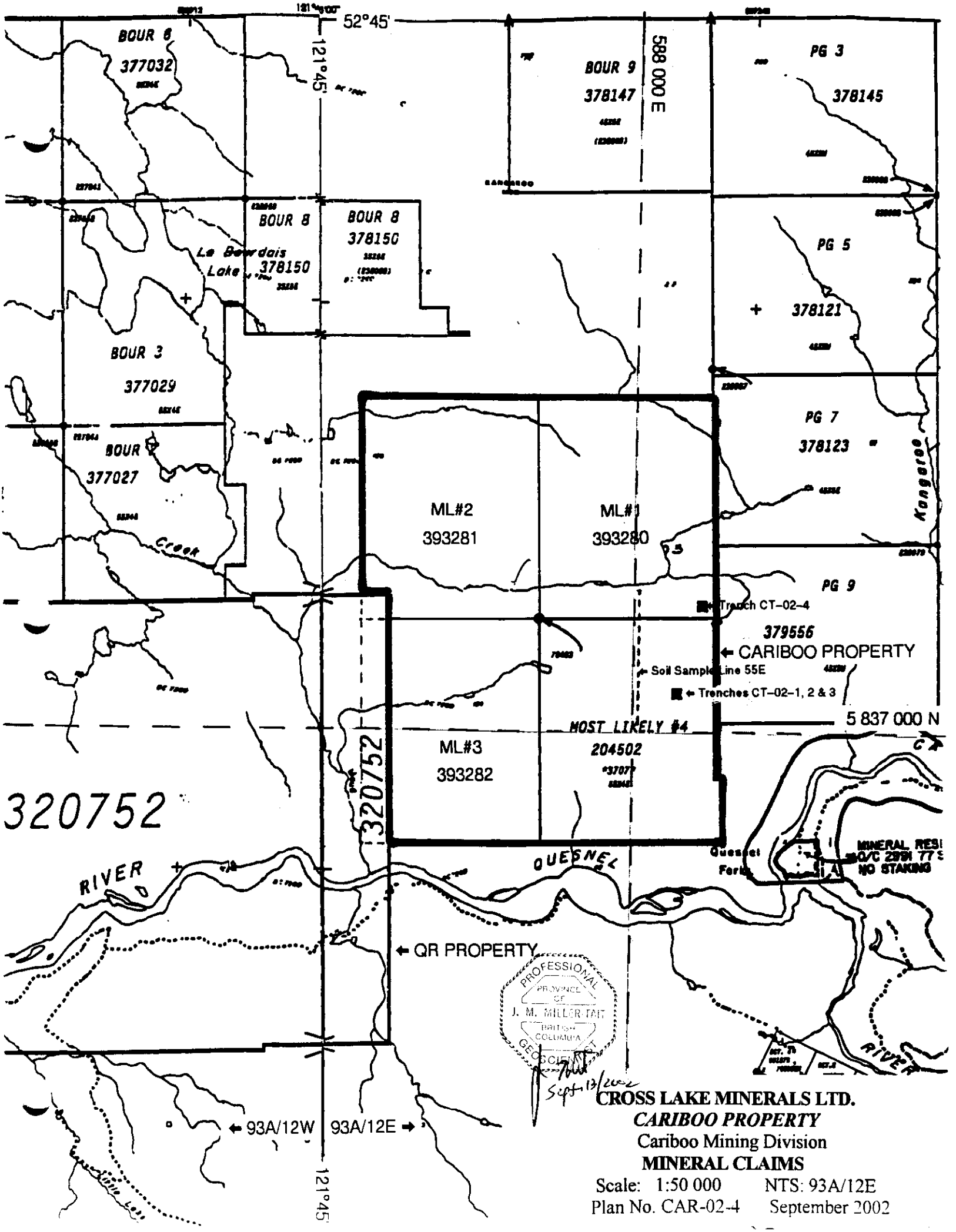
CARIBOO PROPERTY

Cariboo Mining Division

LOCATION PLAN

Scale: 1:50 000 NTS: 93A/12E

Plan No. CAR-02-3 September 2002



CROSS LAKE MINERALS LTD.

CARIBOO PROPERTY

Cariboo Mining Division

MINERAL CLAIMS

Scale: 1:50 000 NTS: 93A/12E

Plan No. CAR-02-4 September 2002

LOCATION AND ACCESS:

The Cariboo Property is located on the north bank of the Quesnel River immediately northwest of its confluence with the Cariboo River, 2.5 kilometres northwest of Quesnel Forks and some 61 kilometres southwest of Quesnel. The nearest community is Likely, located 13 kilometres to the southeast. The claims are situated on NTS map sheet 93A/12E and B.C. Geographic System map sheet 093A.062. Geographic coordinates are 52° 41.4′ North latitude; 121° 42.8′ West longitude and the UTM coordinates are 5 838 300 N and 586 800 E in Zone 10.

Access to the Property from Likely is by the Kangaroo Creek Forest Service Road to Km 22 and then south for approximately three kilometres.

CLIMATE, TOPOGRAPHY AND VEGETATION:

The region has cold, medium snowfall winters and warm, dry summers. The topography of the claims is characterized by rolling hills with moderate slopes. Stream valleys are deeply incised with moderate to steep slopes. Steep slopes and cliffs are found along the north bank of the Quesnel River. Elevations at the Property range from 685 metres at the southeast corner up to 1200 metres in the northern area with the mean elevation being 1000 metres above sea level. Vegetation consists primarily of lodgepole pine and spruce with stands of aspen, birch and cottonwood. Timber harvesting has occurred with numerous cut blocks scattered throughout the claims.

HISTORY:

The Cariboo Property covers a portion of a larger block of mineral claims that was originally staked in May 1981 to cover an arsenic anomaly detected on the west flowing tributary to Maud

Creek by the Ministry of Energy, Mines and Petroleum Resources regional stream geochemistry program. The exploration history of the property is set out below.

Year	Work Program	Results
1982	Reconnaissance scale mapping and soil geochemistry along with soil geochemistry on a small grid in the south central portion of the claims.	Localized, anomalous gold and arsenic values
1983	Additional detailed mapping and soil geochemistry	Altered, pyritic basalt which locally returned anomalous gold and arsenic values from chip samples was identified in outcrop along Maud Creek and its southwest flowing tributary. Spotty anomalous gold values from soil sampling.
1984	Airborne geophysical survey consisting of magnetometer and two frequency VLF-EM: 370 line kilometres / 250 metre flight line spacing / 9,000 hectares covered.	Two small areas of high magnetics and three weak VLF conductors.
1985	IP survey totaling 10.9 line kilometres over pyritic basalts near Maud Creek. Soil geochem survey on east central portion to cover one of the magnetic highs and two of the VLF anomalies from the 1984 survey. Additional mapping and rock sampling.	IP survey located three distinct chargeability anomalies. Soil on east grid returned several widely spaced gold anomalies with values up to 525 ppb.
1986	Existing East and West grids expanded by the addition of 45 line kilometers and soil coverage completed. Magnetometer and VLF-EM surveys completed over 41.2 kilometres and IP survey over 12 kilometres of the East grid.	Several E-W trending gold-in-soil anomalies and a large area of high chargeability on the East grid. A patchy soil anomaly outlined on the West grid along the flank of a chargeability anomaly.
1988	JUN 1-4 claims staked to protect open ground to the east of the property.	
1989	Access roads to the East and West grids: 5.5 kilometres of existing trail improved and 3.2 kilometres of new road built. Ten diamond drill holes (1,751 metres) drilled to test geophysical and geochemical anomalies.	Five holes on West grid yielded discouraging results with the best gold assay being 1.41 grams/tonne over 1.0 metres. Five drill holes on East grid intersected wide zones of strong silica alteration and one of the holes, C-89-6, also intersected several anomalous gold intervals the best of which

		averaged 5.26 grams/tonne over 8.5 metres.
1989	East grid expanded to the east with 26.0 line kilometers of grid and soil geochemistry	Six linear gold-in-soil anomalies likely derived from bedrock. One of the anomalies is the eastward extension of the soil anomaly targeted by hole C-89-6.

REGIONAL GEOLOGY:

The property lies within the Quesnel Trough, a Mesozoic tectonic feature which lies between the Omineca Crystalline Belt to the east and the Cache Creek Group to the west (Bailey 1978). The regional geology has been described by Bailey as "a sequence of Upper Triassic – Lower Jurassic volcanic and sedimentary rocks which have been intruded by comagmatic felsic plutons". The volcanic rocks comprise green-grey basalts which grade upwards into maroon basalts of the same composition. The basaltic sequence is interbedded with thin units of siltstone and minor conglomerate and is overlain by a succession of felsic breccias which in turn are overlain by shallow water sedimentary rocks of Mid Jurassic age.

The volcanic-sedimentary pile is intruded by a series of syenite to monzonite stocks which are often related to copper or copper-gold mineralization. In the vicinity of the Cariboo Property, notable metal occurrences are Kinross Gold Corporation's QR gold deposit immediately southwest of the Property and Imperial Metal Corporation's Mount Polley copper-gold porphyry southeast of Morehead Lake. On the Mount Polley property, copper mineralization with associated gold values is contained within a syenite-monzonite dyke swarm and occurs primarily as disseminated chalcopyrite in hydrothermally altered intrusive breccias. Gold mineralization on the QR property is hosted by an augite basalt breccia unit peripheral to a diorite stock. The main gold zone is restricted to the augite basalt and is stratabound. Gold occurs as micron sized,

disseminate free gold. Alteration associated with gold mineralization consists of moderate to intense epidote-chlorite replacement with several percent disseminated pyrite and minor chalcopyrite.

PROPERTY GEOLOGY:

Geological mapping of the Cariboo Property is incomplete due to the limited bedrock exposure. The best outcrop exposures are along the recently constructed logging roads that cross the claims. The mapping and diamond drilling indicate that a sequence of pyroxene basalts, basalt breccias and mafic tuffs with subordinate siltstone horizons trend roughly northwesterly through the centre of the property. The volcanic package is overlain by conglomerate and siltstone to the southwest and underlain by a thick sequence of siltstones and argillites to the northeast. Diorite intrusive plugs have been mapped in the north centre of the property in the area of an airborne magnetic "high" and monzo-diorite dykes were intersected in earlier drill holes in the centre and northwest corner of the property.

Diamond drilling in the centre of the property in 1989 encountered a widespread zone of hydrothermal alteration. Alteration is characterized by moderate to intense silica replacement and bleaching with minor quartz stockwork veining. An alteration envelope of chloritization is common. Disseminated sulphide mineralization is ubiquitous but generally less than 1%. Pyrite is by far the most common sulphide mineral however several percent arsenopyrite has been observed over short core intervals in the 1989 drill core. Elevated gold values in the drill core appear to be directly related to the presence of arsenopyrite. The property geology is shown on plan number CAR-02-5 appended in Section E.

TRENCHING PROGRAM:

A Hitachi 270 excavator was used to rehabilitate the diamond drill access road. A total of 411 metres of trenching was completed in a series of four trenches. Three of the trenches, CT-02-1, CT-02-2 and CT-02-3 were completed in the area of the 1989 drill hole C-89-6 which had encountered 5.26g/t gold over an interval of 8.5 metres. The fourth trench, CT-02-4, was excavated approximately one kilometre to the north on the north side of a diorite intrusive in an area of gold and arsenic soil anomalies. The trenches were excavated to an average depth of 5.0 metres and a width of 2.0 metres. A summary of the trenching is set out below and the results of the sampling and mapping are illustrated on plan numbers CAR-02-6, 7 and 8 appended in Section E. The detailed analytical reports are appended in Section D.

Trench No.	Length (metres)	Width (metres)	Depth (metres)	Total Volume (cubic metres)
CT-02-1	175.0	2.0	5.0	1750.0
CT-02-2	66.0	2.0	5.0	660.0
CT-02-3	95.0	2.0	5.0	950.0
CT-02-4	75.0	2.0	5.0	750.0
TOTAL	411.0			**4,110m^3**

Trenches CT-02-1 to CT-02-3 exposed orange-colored, mainly oxidized, volcanic tuff containing approximately 1% fine grained pryite and arsenopyrite hosted by unaltered green basalt. The stratigraphy and veining strike northwest- southeast and dip north at approximately 70 degrees. The best gold intersection was in trench CT-02-1 and contained 2.24g/t gold over a 3.0 metre width. This correlates well with the gold intersection in the 1989 drill hole C-89-6.

Trench CT-02-4 exposed oxidized tuffs and argillites and crosscutting diorite dykes. There are three oxidized shear zones, striking east-west and northeast-southwest and dipping south, that contain highly elevated arsenic but the gold values were low. Fifty metres south of this trench is a prominent east-west gulley with the south side being a diorite intrusive. This area is a highly prospective structure for gold mineralization that should be drilled.

The four trenches were backfilled and contoured following the completion of the sampling and mapping.

SOIL GEOCHEMICAL SAMPLING RESULTS:

The conventional soil samples were collected from the B-horizon using a shovel at an average depth of approximately 20 to 30 centimetres and the sample placed in standard paper kraft soil sample bags and sent to Acme Analytical Laboratories Ltd. in Vancouver, B.C. for analysis by ICP analytical method. The MMI soil samples were collected at a standard depth of ten centimetres, regardless of soil horizon, by using a shovel and then placed in a plastic sample bag and sent to XRAL Laboratories in Don Mills, Ontario for analyses. The analytical results as well as the procedures for the conventional soil sample analysis used by Acme Analytical Laboratories and the MMI method used by XRAL Laboratories are appended in Section D.

The results from both the conventional and MMI soil samples collected from line 55E were compared and it was concluded that both methods were successful at outlining the anomaly located at 600N (see Section D for analytical results). The elements that best outlined the anomaly using the MMI method were gold and silver and the elements to use when conventional soil sampling is employed are gold, arsenic, antimony, lead and silver.

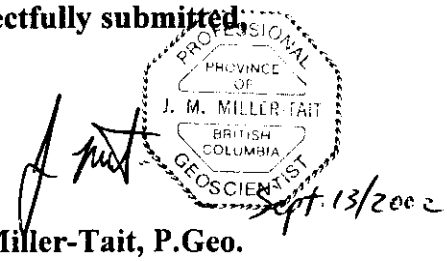
CONCLUSIONS:

The experimental test work of comparing conventional versus Mobile Metal Ions (MMI) soil sampling and analyses proved that either method is successful in delineating mineralization. The trenching program was successful in exposing the favorable oxidized volcanic tuff unit which contains the gold mineralization of interest. The work completed by past operators and the work completed in this program have effectively narrowed the areas that should be explored. This area, similar to the QR mine mineralization in relationship to a magnetic "high" and diorite stock, is the halo of alteration around the diorite stocks on the Cariboo property.

RECOMMENDATIONS:

The main area of initial exploration should be in the vicinity of the diorite stock on the Most Likely 4 claim. The area to focus upon is the contact area where the emplacement of the stock fractured and provided conduits for gold mineralizing solutions. A comprehensive program of exploration should be completed using detailed ground Induced Polarization and magnetic surveys, soil sampling, trenching and diamond drilling to explore for an economic epithermal gold deposit.

Respectfully submitted,



Sept. 13/2002

Jim Miller-Tait, P.Geo.

REFERENCES:

Bailey, D.G., (1978): The Geology of the Morehead Lake Area, South Central British Columbia; PhD Thesis, Queen's University

Hoffman, S.J., (July 1990): Soil Geochemical Report on the Sun, Most Likely 3 and 4, Cariboo and Jun 1 and 3 Claims, for Corona Corporation; NTS 93A/12; In House Report

Howell, W.A., and Richards, G.G., (1982): Geological and Geochemical Report on the Cariboo Group of Mineral Claims, Cariboo Mining Division, for E&B Explorations Inc., NTS 93A/12; B.C. Assessment Report #10650

McNaughton, K., (February 1987): Geochemical and Geophysical Report on the Cariboo 1-4, Most Likely 3 and 4, Short Stuff 2 and 3 and Sun Mineral Claims, Cariboo Mining Division, for E&B Explorations Inc.; NTS 93A/12; B.C. Assessment Report #16,018

Panteleyev, A, Bailey, D.G., Bloodgood, M.A., Hancock, K.D., (August 1996): Geology and Mineral Deposits of the Quesnel River - Horsefly Map Area, Central Quesnel Trough, British Columbia, NTS Map Sheets 93A/5, 6, 7, 11, 12, 13; 93B/9, 16; 93G/1; 93H/4; Bulletin 97, B.C. Geological Survey Branch

Richards, G.G., (1985): Geology, Geochemistry and I.P. Compilation of the Cariboo Property, Cariboo 1-4, Most Likely 3 and 4, and Short Stuff 2 and 3 Mineral Claims, for E&B Explorations Inc., NTS 93A/12, B.C. Assessment Report #13881

Tindall, M. (1986): Geochemical Report on the Cariboo 1-4, Most Likely 3 and 4, Short Stuff 2 and 3 and Sun Mineral Claims, Cariboo Mining Division, for E&B Explorations Inc.; NTS 93A/12, B.C. Assessment Report #15033

Tindall, M, (1986): Diamond Drilling Report on the Sun, Short Stuff 2 and 3, Most Likely 3 and 4, Cariboo 1-4 and Jun 1-4 Mineral Claims, for E&B Explorations Inc.; NTS 93A/12; In house report.

Tindall, M, (November 1989): Diamond Drilling Report on the Sun, Short Stuff 2 and 3, Most Likely 3 and 4, Cariboo 1-4 and Jun 1-4 Mineral Claims, for Corona Corporation; NTS 93A/12; B.C. Assessment Report #19324

Tindall, M, (January 1990): Soil Geochemical Report on the Sun, Short Stuff 2 and 3, Most Likely 3 and 4, Cariboo 1-4 and Jun 1-4 Mineral Claims, for Corona Corporation; NTS 93A/12; B.C. Assessment Report #19597

Walker, J.T., (July 1984): Report on the Airborne Geophysical Survey on the Cariboo Property, for E&B Explorations Inc: NTS 93A/12; B.C. Assessment Report #12,512

STATEMENT OF QUALIFICATIONS:

For: Jim Miller-Tait of 828 Whitchurch Street, North Vancouver, B.C. V7L 2A4

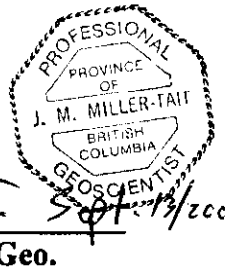
I graduated from the University of British Columbia with a Bachelor of Sciences Degree in Geology (1987);

I have been practicing my profession as a geologist in mineral exploration and mining continuously since 1987;

I am a fellow in good standing with the Geological Association of Canada;

I am a registered member in good standing as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of British Columbia;

The observations, conclusions and recommendations contained in the report are based on field examinations, personal sampling, and the evaluation of results of the exploration programs completed by past operators.



Sept. 13/2002

Jim Miller-Tait, P.Geo.

SECTION B: PROPERTY

CARIBOO	*SCHEDULE OF MINERAL CLAIMS*		
PROVINCE: British Columbia	**CLAIMS: 4**	**UNITS: 80**	**AREA: 2000 ha**
MINING DIVISION: Cariboo	**NTS: 93A/12E**		**BCGS: 093A.062**
LOCATION: immediately northwest of the confluence of the Cariboo and Quesnel Rivers, 2.5 km northwest of Quesnel Forks and 61 km southeast of Quesnel	**LATITUDE: 52°41.4'**		**LONGITUDE: 121°42.8'**
	UTM: ZONE 10	**5 838 300 N**	**586 800 E**
MAP SHEET (1:250 000): 93A - Quesnel Lake (1:50 000): 93A/12 - Hydraulic	**PROPERTY INTEREST: Imperial Metals Corporation – 100%** **May 2, 2002: Option Agreement with Imperial Metals Corporation whereby Cross Lake may earn a 100% interest subject to a 1% Net Smelter Return Royalty.** **June 20, 2002: Property assigned to 639893 B.C. Ltd., a wholly owned subsidiary of Cross Lake.** **Jul 15, 2002: Option Agreement with Gold Giant Ventures Inc. whereby Gold Giant may earn a 50% interest.**		

CLAIM NAME	TENURE NUMBER	UNITS	RECORD DATE (yyyy-mm-dd)	DUE DATE (yyyy-mm-dd)	ANNUAL WORK REQUIRED	RECORDED HOLDER
Most Likely 4	204502	20	1981-06-24	2003-06-24	4000.00	639893 B.C. Ltd.*
ML #1	393280	20	2002-05-12	2003-05-12	2000.00	639893 B.C. Ltd.*
ML #2	393281	20	2002-05-13	2003-05-13	2000.00	639893 B.C. Ltd.*
ML #3	393282	20	2002-05-13	2003-05-13	2000.00	639893 B.C. Ltd.*
						* Wholly-owned subsidiary of Cross Lake Minerals Ltd.
		80			**$10000.00**	

ASSESSMENT WORK SUMMARY

Date of Filing (yyyy-mm-dd)	Work Filed $	New Work Applied $	PAC Credits Applied	PAC Credits Saved	Total PAC Credits	Date of Approval (yyyy-mm-dd)	Event Number
2002-06-13	Notice to Group (4)		0	0	-	2002-06-13	3179961
2002-06-13	4000.00	4000.00	0	0	-		3179963

SECTION C: EXPENDITURES

Item	Work Performed	Quantities / Rates	Amount
Project Geologist: J. Miller-Tait, P.Geo., Sikanni Mine Development Ltd.	Project supervision, geological mapping, channel sampling and soil sampling Period: Jun 02-11, 2002 Jun 17-22, 2002	 10 days @ $374.50 6 days @ $374.50	 $3745.00 2247.00 5992.00
Field Assistant: Brent Kynoch, Kynoch Contracting	Operator for excavator and field sampling Period: Jun 03-07, 2002 Jun 17-22, 2002	 Total 11 days @ $294.25/day	 3236.75
Transportation: Vancouver to property, onsite and return	4x4 pickup truck: Period: Jun 02-11, 2002 Jun 17-22, 2002	 10 days @ $75.00 6 days @ $75.00 Fuel	 750.00 450.00 725.16 1925.16
Accommodation and Meals	Period: Jun 02-11, 2002 Jun 17-22, 2002	 2 persons in motel 2 persons in motel	 1386.84 853.76 2240.60
Equipment Rental: Mount Polley Mining Corporation	Hitachi Model 270 excavator during the period from June 6-21, 2002 (9 days)	72 hours @ $109.875/hr	7911.06
Equipment Transport: Eldorado Low- Bedding Ltd.	Transport excavator from Mount Polley Mine to property and return	Jun 6, 2002 Jun 22, 2002	865.00 865.00 1730.00
Field Supplies	Field materials and sampling supplies Period: Jun 2-22, 2002		 273.75
Freight: to XRAL Laboratories in Don Mills, Ontario	Sample shipments: Greyhound Courier Express	 Jun 28 2002	 49.27
Analytical Services: Acme Analytical XRAL Laboratories	 ICP-MS 35 element analysis MMI-B Gold Suite	 158 samples 58 samples	 2279.05 1365.32 3644.37
Report Preparation:	J. Miller-Tait, P.Geo.	3 days @ $350.00	1123.50
Drafting: Tindall Geoservices Inc.	Base Map Preparation, Data Plotting and Geological Map Preparation	31.25 hrs.@ $42.80 Printing expenses	1337.50

Item	Work Performed	Quantities / Rates	Amount
Printing: Kinko's Copy Centre	Map reproduction		87.57
Total			**$29,551.53**

Expenditure Apportionment:

Work Program	Mineral Claims	Work Quantities	Expenditure
Phase 1:			
Trenching	Most Likely #4, ML 1	4 trenches, 411 metres	$21,049.56
Geological Mapping and sampling	Most Likely #4, ML 1, 2	Area of 800 hectares 3 silt samples for ICP 97 rock samples for ICP	4,831.07
Soil Sampling	Most Likely #4, ML 1	1425 metres of grid, 58 samples for ICP 58 samples for MMI	3,670.90
Total			**$29,551.53**

SECTION D: ANALYTICAL RESULTS

1. Analyses carried out by Acme Analytical Laboratories Ltd. of Vancouver, B.C.

- Certificate of Analysis A201879 dated July 3, 2002
- Certificate of Analysis A201880 dated July 3, 2002
- Certificate of Analysis A201881 dated June 14, 2002
- Certificate of Analysis A201882 dated June 20, 2002
- Certificate of Analysis A201883 dated June 19, 2002
- Statement of Analytical Procedures

2. Analyses carried out by XRAL Laboratories of Don Mills, Ontario

- Certificate of Analysis #068698 dated July 19, 2002
- Statement of Analytical Procedures

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Cross Lake Minerals File # A201879 Page 1

240 - 800 W. Pender St., Vancouver BC V6C 2V6 Submitted by: Jim Miller-Tait

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm
	.3	1.4	.6	2	<.1	1.6	.5	20	.07	1.2	<.1	<.5	<.1	5	<.1	.2	<.1	3	.24	.002	<1	5.2	.03	4	<.001	1	.02	.572	.01	.4	<.01	.2	<.1	<.05	<1
206459	2.7	80.1	3.8	50	.1	143.5	44.0	1965	5.22	68.4	.1	3.7	.3	206	.1	6.9	.1	123	10.48	.034	3	560.4	3.49	68	.002	4	1.87	.019	.09	.2	.02	33.3	<.1	.21	5
206460	14.2	59.4	1.7	45	.1	158.4	45.0	1390	6.64	44.0	.2	5.7	.4	224	.1	6.4	<.1	119	10.10	.032	3	259.3	2.99	104	.003	6	1.31	.017	.16	.2	.09	22.7	.1	<.05	4
206461	2.1	33.6	2.8	47	<.1	128.0	35.7	1131	4.61	30.9	.1	11.2	.3	109	.1	2.6	.1	108	6.79	.016	2	358.0	3.52	53	.035	5	1.71	.059	.10	.2	.04	22.2	<.1	.11	5
206462	1.8	367.0	4.3	80	.4	74.5	45.3	1722	7.18	52.8	.2	78.9	.7	37	.3	2.8	.1	183	2.82	.097	7	194.1	2.11	92	.006	3	2.80	.020	.26	.2	.01	19.8	.1	.10	8
206463	2.4	212.5	7.8	108	.4	122.8	47.1	2153	7.24	1385.7	.3	125.3	.7	110	.5	19.1	.1	138	7.13	.074	5	292.9	1.49	104	.004	3	1.80	.015	.21	.4	.03	24.2	.1	.19	4
206464	2.8	87.7	2.6	38	.1	120.0	39.9	1887	5.33	61.1	.1	5.2	.2	163	.1	10.1	<.1	98	12.03	.031	3	293.5	2.50	171	.002	2	.61	.008	.07	.5	.15	31.0	.1	.22	2
206465	2.4	91.7	4.5	53	.2	38.3	28.1	1639	5.99	22.7	.2	8.8	.5	130	.1	6.3	<.1	124	7.18	.075	6	71.5	2.08	444	.003	2	1.39	.013	.12	.3	.03	13.6	<.1	.39	4
206466	6.1	9.7	1.3	46	.1	27.0	6.3	1726	4.07	19.4	.1	29.2	<.1	112	.2	4.4	<.1	20	11.36	.001	2	30.3	1.50	43	<.001	<1	.05	.004	.01	5.7	<.01	6.1	<.1	.15	<1
[illegible]	4.1	114.1	2.5	53	.1	67.7	37.6	1407	6.58	161.0	.4	26.4	.5	119	.2	9.4	.1	123	7.79	.073	3	95.1	1.36	101	.003	4	.99	.012	.21	.4	.02	22.5	.1	.09	2
206468	2.1	98.8	3.5	53	.1	60.9	37.4	1688	6.38	31.9	.3	11.2	.5	141	.1	2.5	<.1	171	7.75	.058	4	123.7	2.73	207	.002	2	1.21	.026	.13	.3	.01	20.7	.1	.12	4
206469	2.3	228.2	6.0	95	.3	56.7	35.4	1888	6.70	858.5	.4	828.7	.6	185	.3	8.0	<.1	175	8.00	.063	4	166.3	1.95	140	.002	3	1.45	.011	.17	.3	.03	22.0	.1	.17	4
206470	2.4	88.3	4.0	67	.1	26.1	26.4	1531	5.94	59.5	.4	9.4	1.0	57	.1	3.4	.1	89	5.53	.143	9	26.9	1.05	98	.001	4	1.88	.014	.28	.3	.02	7.4	.1	.15	5
206471	3.7	92.0	3.5	59	.1	56.7	39.7	1497	6.80	256.7	.5	9.8	.5	179	.2	14.3	.1	148	8.80	.080	4	92.1	1.79	171	.003	3	.77	.015	.12	.5	.09	21.0	.1	.41	2
206472	1.6	140.2	1.6	50	.2	65.7	42.7	1109	6.84	234.7	.3	6.6	.5	222	.1	24.2	<.1	141	6.48	.076	3	107.7	2.86	103	.002	3	.95	.015	.20	.8	.04	22.4	.1	.31	2
206473	4.9	125.6	1.9	73	.1	57.5	44.3	1329	7.37	190.1	.3	6.7	.4	109	.2	18.4	.1	183	7.52	.068	3	128.4	1.42	108	.003	3	1.51	.015	.14	.4	.03	24.9	.1	.11	5
206474	2.1	119.0	1.3	48	.1	78.1	51.6	1107	7.55	87.9	.4	6.0	.7	79	.1	3.1	.1	293	6.27	.073	5	227.8	2.30	101	.009	2	3.75	.007	.10	.1	.03	29.4	.1	<.05	11
206475	.2	85.3	1.3	38	<.1	49.0	27.1	673	5.22	36.8	.3	1.5	.5	62	.1	.8	<.1	208	3.59	.063	3	180.9	2.71	128	.193	3	2.43	.050	.09	.2	<.01	9.8	<.1	.09	8
206476	18.4	211.2	6.7	239	.2	113.3	32.8	1012	5.52	196.9	1.6	24.8	2.1	33	5.6	3.3	.2	325	1.73	.139	11	109.0	2.22	187	.193	3	3.51	.046	.13	.5	.08	9.8	.2	.28	10
206477	55.9	407.4	178.8	928	5.5	156.1	29.8	1911	6.02	4316.2	1.9	973.0	1.8	41	22.3	28.0	12.4	260	2.22	.090	8	41.0	.40	119	.002	2	1.67	.008	.20	.4	.21	7.3	.2	<.05	5
206478	25.1	272.1	40.9	401	.7	119.4	26.9	1056	4.82	1180.9	2.5	99.4	2.7	31	12.6	11.0	1.6	422	.83	.107	16	94.9	1.67	117	.085	4	2.58	.040	.22	.6	.22	12.1	.2	<.05	7
206479	19.8	110.7	32.9	222	.9	88.0	31.9	2040	5.95	5200.0	.6	220.1	1.3	49	7.5	17.1	2.4	161	2.39	.112	7	45.3	.73	84	.005	3	2.22	.018	.19	.2	.10	7.0	.1	<.05	5
206480	3.4	382.6	31.7	119	.7	132.3	36.7	1188	4.97	2201.1	.5	40.5	2.4	13	.9	15.1	.4	116	.31	.061	11	140.7	1.34	67	.004	5	2.18	.011	.18	.8	.07	11.6	.1	<.05	6
RE 206480	3.3	383.2	30.5	116	.7	132.5	37.5	1181	4.96	2194.3	.5	39.4	2.5	12	.9	15.2	.4	114	.31	.057	11	139.3	1.33	63	.004	4	2.12	.010	.17	.9	.09	11.4	.1	<.05	6
206481	2.9	92.7	121.6	75	1.0	47.9	21.4	1571	4.21	4295.2	.2	85.6	.4	11	.9	18.8	.5	41	.25	.049	3	61.6	.17	69	.001	3	.69	.005	.17	2.1	.11	4.0	.1	<.05	1
206482	10.5	468.3	23.8	75	1.1	97.8	31.9	763	7.18	573.8	1.5	34.9	3.8	12	.6	13.7	.8	90	.23	.054	17	110.3	1.78	75	.052	2	2.24	.019	.15	1.1	.04	7.4	.2	<.05	9
206483	105.1	635.7	31.0	1206	1.2	264.6	42.6	1082	8.86	1209.5	4.5	416.5	2.8	20	24.1	18.0	1.3	610	.78	.076	15	100.7	1.58	76	.044	2	2.73	.007	.15	.6	.16	6.7	.2	<.05	9
[illegible]	20.1	263.4	6.8	239	.4	95.1	21.5	817	4.34	86.4	4.4	13.4	3.5	25	1.2	2.5	.2	1024	1.05	.099	14	198.6	2.29	97	.233	2	2.50	.028	.08	1.1	.31	9.2	.1	<.05	10
[illegible]	.6	63.0	1.2	54	<.1	36.1	29.1	738	4.91	35.7	.3	5.7	1.2	90	.3	.6	<.1	164	3.13	.111	4	47.6	2.22	102	.177	4	4.81	.235	.18	.1	<.01	5.1	.1	<.05	10
206486	.8	88.2	3.9	56	.1	32.3	28.0	884	4.91	61.9	.3	4.2	1.2	69	.2	1.9	.1	144	2.58	.118	7	59.4	2.25	96	.128	3	4.57	.161	.18	.2	.01	6.0	.1	<.05	11
206487	3.1	128.6	8.7	63	.2	77.1	17.3	482	3.01	243.2	.9	11.0	5.0	8	.2	3.8	.2	85	.15	.036	19	79.6	1.82	76	.033	2	1.89	.029	.13	.5	.04	4.8	.1	<.05	8
206488	7.1	121.8	2.7	87	.2	96.6	15.7	372	3.05	36.3	1.3	6.3	3.8	14	.4	1.2	.2	77	.33	.053	14	53.3	1.26	198	.055	2	1.71	.027	.21	1.5	.03	3.2	.1	.09	6
206489	8.9	129.5	3.3	114	.1	109.7	18.5	681	3.97	27.5	2.6	5.1	4.4	24	.5	1.4	.2	217	.81	.174	25	115.4	1.60	100	.154	1	2.17	.039	.16	.8	.06	6.5	.1	.10	8
206490	28.0	242.2	18.7	112	.7	136.6	26.0	1667	6.39	690.8	1.9	58.4	4.3	14	1.6	13.8	.6	75	.23	.095	27	39.1	.46	93	.001	3	1.36	.005	.17	1.5	.09	6.1	.3	<.05	4
STANDARD DS3	9.8	122.1	32.8	161	.3	37.4	12.2	844	3.40	28.6	6.0	21.4	4.4	32	6.3	5.3	5.7	76	.53	.097	19	185.9	.61	152	.110	4	1.92	.036	.18	3.8	.22	2.9	1.3	<.05	7

GROUP 1DA - 10.0 GM SAMPLE LEACHED WITH 60 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 200 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 24 2002 **DATE REPORT MAILED:** July 3/02 **SIGNED BY:** .....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data___ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm
A 206491	17.2	159.4	142.7	58	1.2	107.7	12.7	1421	4.66	5088.4	1.3	91.4	3.6	25	.4	28.2	2.1	66	.10	.053	13	35.2	.07	94	.004	1	.35	.007	.14	1.2	.15	2.7	.3	<.05	1
A 206492	10.5	103.4	7.6	104	.6	67.6	11.3	274	2.66	338.9	1.2	12.6	3.2	8	.6	6.5	.3	51	.06	.025	12	37.6	.53	112	.008	1	1.02	.013	.16	3.6	.03	1.7	.1	.19	3
A 206493	6.7	134.6	10.6	113	.9	115.2	13.4	554	3.15	1143.6	1.3	19.1	3.0	10	1.1	11.6	.4	77	.06	.034	16	63.9	.61	74	.005	3	1.12	.013	.16	.7	.09	4.6	.2	<.05	3
A 206494	8.3	81.9	4.6	55	.2	69.7	11.0	306	2.27	380.0	1.3	4.4	3.9	7	.3	5.7	.2	91	.07	.024	17	58.2	.57	68	.005	2	1.01	.018	.12	3.6	.02	2.4	.1	<.05	3
A 206495	5.8	162.8	63.7	85	1.3	90.6	26.1	2885	5.32	11210.6	1.1	326.7	2.5	28	.8	51.2	1.9	42	.43	.087	15	25.3	.11	85	.005	3	.52	.007	.19	1.0	.07	6.9	.2	<.05	1
A 206496	2.2	110.9	290.2	120	.4	51.3	29.1	1437	5.89	266.9	.3	5.0	.9	24	.5	3.3	.1	218	.66	.096	7	40.4	2.60	98	.118	3	3.50	.030	.24	.2	.02	9.6	.3	<.05	12
RE A 206496	2.1	108.2	297.2	120	.4	50.9	30.8	1467	6.01	272.1	.3	6.6	1.0	25	.6	3.2	.1	223	.68	.101	7	42.7	2.65	99	.121	2	3.59	.029	.25	.1	.02	10.9	.3	<.05	13
A 206497	2.5	249.1	9.6	71	.2	65.7	43.0	1195	4.80	6081.2	.5	10.8	1.0	20	.3	17.1	.2	113	.34	.102	6	29.4	.35	72	.004	5	1.40	.006	.24	.2	.15	12.9	.3	<.05	3
A 206498	2.4	115.0	4.4	62	.2	83.3	26.8	1001	4.22	80.7	.4	2.8	2.5	33	.2	1.7	.2	150	.78	.102	10	111.6	2.23	68	.088	2	2.57	.072	.14	.8	.01	8.8	.1	.20	9
A 206499	5.6	156.7	13.2	63	.5	85.4	25.1	634	3.94	4976.1	.8	38.5	2.9	20	.4	13.1	.3	74	.24	.042	11	36.6	.81	100	.020	4	1.36	.022	.17	.6	.22	5.4	.2	.22	5
A [illegible]00	4.6	63.8	4.4	82	.3	24.1	11.5	693	2.58	46.8	.7	<.5	.8	110	.6	1.0	.1	116	7.96	.101	12	48.9	1.09	80	.062	3	1.08	.022	.06	1.2	.10	3.1	.1	1.42	7
STANDARD DS3	9.6	119.2	33.9	149	.3	38.1	11.8	837	3.16	30.9	6.0	19.9	3.8	26	5.8	5.5	5.8	75	.57	.095	17	176.4	.58	139	.093	2	1.74	.035	.15	3.9	.24	2.7	1.2	<.05	6

Sample type: ROCK R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Cross Lake Minerals File # A201880 Page 1

240 - 800 W. Pender St., Vancouver BC V6C 2V6 Submitted by: Jim Miller-Tait

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm
G 1	1.1	2.2	1.9	40	<.1	4.2	3.9	461	1.60	<.5	2.7	.9	5.1	57	<.1	<.1	.2	36	.46	.088	7	11.3	.51	214	.116	<1	.80	.062	.43	2.2	<.01	1.4	.3	<.05	4
55E 1525N	2.9	89.4	12.2	86	.5	44.9	16.4	653	3.42	54.5	.8	15.1	3.7	17	.3	2.6	.2	57	.36	.047	18	51.8	.69	126	.033	1	1.56	.008	.08	.2	.08	6.4	.1	<.05	4
55E 1500N	1.7	49.1	9.4	100	.2	26.5	15.8	731	2.58	30.7	.4	6.2	1.5	18	.8	1.4	.2	51	.27	.056	17	36.3	.47	101	.024	1	1.26	.008	.07	.2	.02	2.5	.1	<.05	4
55E 1475N	2.4	100.6	13.9	132	.7	47.9	24.8	1343	3.35	54.9	.7	12.7	1.3	28	1.9	2.0	.2	53	.56	.055	22	43.3	.65	114	.026	1	1.54	.009	.08	.2	.06	4.5	.1	<.05	4
55E 1450N	3.5	117.0	14.5	125	.5	49.6	22.2	1434	3.76	63.8	1.0	6.2	1.4	21	.6	2.0	.2	63	.34	.061	21	53.6	.72	123	.022	<1	1.96	.009	.09	.2	.05	4.6	.1	<.05	5
55E 1425N	3.1	44.5	9.9	72	.6	32.3	14.5	443	2.77	45.9	.5	55.0	3.9	14	.3	1.7	.2	40	.25	.055	16	33.3	.62	56	.030	1	1.17	.006	.06	.2	.04	3.0	<.1	<.05	3
55E 1400N	13.8	86.9	17.3	165	.6	55.7	26.9	1534	4.60	58.6	.7	2.3	2.3	28	1.9	2.7	.3	69	.46	.055	18	54.5	.57	177	.034	1	1.92	.010	.11	.3	.04	5.1	.1	<.05	6
55E 1375N	21.5	186.9	20.1	157	1.0	88.6	25.6	1629	5.45	71.2	2.5	7.2	3.7	41	1.6	3.7	.4	77	.73	.062	21	75.9	.79	237	.035	2	2.43	.014	.15	.3	.08	8.9	.1	<.05	7
55E 1350N	15.3	142.9	12.6	82	.8	53.4	15.0	422	3.56	79.1	1.6	12.5	2.7	24	.5	2.8	.3	62	.47	.034	21	53.2	.67	85	.032	1	1.69	.007	.09	.3	.10	5.6	.1	<.05	4
55E 1325N	31.5	556.7	37.1	185	3.0	187.8	34.9	1377	7.62	275.0	3.3	42.9	5.0	55	1.5	6.7	.7	110	.98	.091	28	121.9	1.16	328	.038	1	4.14	.018	.28	.4	.17	18.6	.3	<.05	10
55E 1300N	6.2	82.9	10.2	89	.4	42.8	16.1	413	3.26	47.8	.8	10.7	3.5	20	.5	1.9	.2	63	.36	.040	20	46.7	.73	79	.044	1	1.57	.009	.08	.2	.05	4.3	.1	<.05	5
55E 1275N	2.3	23.4	6.5	99	.1	25.7	10.5	240	3.00	23.9	.4	2.5	2.2	10	.3	1.5	.2	65	.14	.045	16	36.1	.58	70	.032	1	1.25	.005	.06	.2	.01	1.5	.1	<.05	5
55E 1250N	1.4	23.6	7.3	85	.2	21.3	10.6	535	2.51	24.6	.4	1.6	1.4	23	.4	1.3	.1	54	.37	.184	12	32.7	.40	134	.026	1	1.14	.006	.07	.3	.02	1.7	.1	<.05	5
55E 1225N	1.4	14.0	4.7	56	.2	15.2	7.1	238	1.94	10.5	.3	3.5	2.4	11	.1	1.8	.1	50	.21	.040	17	24.0	.38	93	.029	1	.75	.004	.10	.3	.02	1.3	<.1	<.05	4
55E 1200N	3.3	27.7	7.2	61	.1	22.6	13.0	530	2.34	45.9	.4	4.6	2.2	12	.2	2.0	.2	61	.23	.036	14	31.2	.44	78	.039	1	.88	.006	.08	.2	.02	1.7	<.1	<.05	4
55E 1175N	5.4	29.9	7.7	69	.2	20.2	10.4	498	2.29	17.5	.3	4.8	1.2	12	.4	1.8	.2	54	.25	.057	13	30.6	.39	70	.024	1	.91	.005	.07	.3	.03	1.7	.1	<.05	4
55E 1150N	5.4	39.5	6.4	57	.1	30.3	12.8	320	2.69	25.8	.4	14.7	2.8	14	.2	2.7	.1	55	.26	.061	15	39.8	.65	59	.049	1	1.11	.007	.06	.3	.20	2.1	.1	<.05	4
55E 1125N	5.7	44.7	9.9	61	.1	36.4	18.4	371	3.44	31.9	.5	11.3	3.4	17	.3	2.5	.2	62	.34	.020	15	50.0	.66	85	.035	1	1.64	.007	.05	.3	.04	4.9	.1	<.05	5
55E 1100N	3.3	54.2	8.0	87	.2	34.4	15.5	341	3.16	47.7	.9	6.4	2.4	22	.4	2.8	.1	65	.37	.026	15	46.1	.63	88	.045	1	1.46	.008	.06	.3	.06	4.9	.1	<.05	4
55E 1075N	5.4	384.0	25.9	245	1.8	145.1	37.3	2136	8.75	110.0	2.3	26.3	7.2	53	2.2	9.2	.6	126	.83	.124	30	129.6	1.07	405	.049	2	3.94	.019	.21	.5	.32	25.5	.3	<.05	10
55E 1050N	1.8	30.4	7.4	171	.1	21.8	13.2	408	3.49	36.7	.4	7.0	1.3	15	1.5	3.5	.1	78	.27	.063	10	39.2	.42	84	.031	2	1.10	.006	.07	.3	.05	1.9	.1	<.05	5
55E 1025N	1.5	21.8	6.0	81	.1	20.3	12.4	325	2.45	25.3	.3	5.8	1.6	12	.3	3.0	.1	65	.21	.044	11	31.5	.40	82	.033	1	.92	.008	.06	.4	.05	2.0	.1	<.05	5
55E 1000N	2.5	32.6	7.0	87	.1	26.8	12.2	264	2.99	31.0	.3	4.4	1.8	12	.3	3.5	.1	70	.22	.064	10	39.4	.51	59	.035	1	1.26	.006	.06	.4	.03	2.2	.1	<.05	5
RE 55E 1000N	2.4	31.8	6.9	87	.1	26.5	12.7	264	2.93	30.4	.3	4.1	1.8	12	.3	3.5	.1	71	.21	.063	10	38.4	.53	59	.033	1	1.25	.006	.06	.4	.05	2.1	.1	<.05	5
55E 975N	33.5	132.7	11.9	123	.5	135.1	52.5	21259	4.68	93.1	2.8	13.5	2.0	27	2.7	21.0	.2	89	.33	.063	17	57.7	.47	651	.042	1	2.29	.008	.06	.6	.69	8.7	.3	<.05	7
55E 950N	3.8	32.0	10.1	139	.2	25.8	14.3	334	3.26	46.7	.3	6.5	1.8	16	.5	3.0	.2	112	.31	.030	10	40.9	.52	93	.045	2	1.36	.007	.06	.3	.03	2.2	.1	<.05	6
55E 925N	3.6	64.8	9.8	113	.2	37.9	20.1	1049	3.17	54.8	.5	12.9	1.2	14	1.0	3.0	.2	87	.27	.060	12	46.6	.62	101	.033	1	1.42	.008	.07	.2	.03	2.7	.1	<.05	5
55E 900N	1.5	14.2	9.3	77	.2	12.5	9.3	581	1.99	18.4	.3	4.9	1.7	12	.6	1.4	.2	57	.18	.042	10	24.0	.26	112	.054	1	.67	.006	.06	.2	.02	1.4	<.1	<.05	5
55E 875N	4.3	51.0	9.0	123	.2	42.0	15.4	438	3.61	77.5	.5	6.2	1.8	22	.4	3.8	.2	92	.46	.050	13	48.3	.64	90	.044	1	1.48	.007	.07	.2	.03	2.7	.1	<.05	5
55E 850N	5.9	77.3	12.0	63	.1	44.2	20.0	455	3.10	115.5	.7	18.2	2.7	18	.2	6.1	.1	91	.38	.056	15	50.6	.80	65	.049	1	1.36	.007	.06	.2	.04	3.8	.1	<.05	5
55E 825N	4.6	50.0	10.6	66	.3	27.9	14.1	306	3.38	82.2	.5	8.0	.9	20	.5	3.3	.2	110	.32	.058	12	43.9	.42	90	.031	1	1.37	.005	.05	.2	.06	2.4	.1	<.05	6
55E 800N	5.0	55.8	10.4	86	.1	33.9	14.4	259	3.72	107.5	.4	28.7	1.3	14	.3	6.1	.2	126	.28	.107	13	50.0	.58	66	.031	1	1.37	.005	.08	.2	.03	2.3	.1	<.05	6
55E 775N	3.6	50.4	12.7	181	.3	40.8	24.4	869	3.50	93.0	.4	9.0	1.4	14	.7	5.2	.2	117	.25	.180	11	49.5	.61	111	.030	1	1.52	.009	.07	.2	.03	2.3	.1	<.05	6
55E 750N	2.7	37.2	10.0	71	.2	26.7	12.4	546	2.35	68.5	.4	7.9	1.0	16	.4	5.2	.2	80	.33	.069	10	35.5	.47	79	.035	1	.91	.007	.08	.1	.02	1.6	<.1	<.05	5
STANDARD DS3	9.9	118.3	32.4	155	.2	40.0	13.3	795	3.14	28.6	6.7	20.6	4.0	27	5.9	5.5	5.5	76	.52	.086	20	172.2	.60	144	.088	2	1.69	.035	.14	3.8	.21	2.5	1.1	<.05	6

GROUP 1DA - 10.0 GM SAMPLE LEACHED WITH 60 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 200 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 24 2002 DATE REPORT MAILED: July 3/02 SIGNED BY: ..D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data___ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm
G-1	1.3	1.9	2.1	40	<.1	4.3	4.2	481	1.82	<.5	2.9	.5	5.5	68	<.1	<.1	.2	41	.55	.100	9	11.6	.55	206	.124	1	.90	.067	.43	2.5	<.01	1.5	.3	<.05	5
55E 725N	2.7	35.4	7.5	102	.3	28.4	15.7	309	3.33	59.5	.3	6.7	1.0	11	.7	3.0	.1	101	.22	.114	10	48.2	.58	74	.031	<1	1.52	.008	.07	.2	.01	2.1	.1	<.05	7
55E 700N	4.3	49.6	7.9	130	.1	37.3	17.0	532	3.36	61.8	.4	4.8	1.9	14	.6	3.9	.2	106	.28	.081	12	49.7	.71	78	.046	1	1.59	.008	.07	.2	.02	2.5	.1	<.05	7
55E 675N	2.0	25.1	9.5	136	.2	26.5	16.8	769	2.85	46.1	.3	2.0	1.7	17	.7	3.2	.1	83	.37	.057	11	38.9	.54	93	.044	1	1.35	.010	.08	.1	.02	2.2	.1	<.05	6
55E 650N	1.7	20.6	8.2	102	.1	22.6	17.4	2451	2.42	38.0	.2	4.0	.7	21	1.0	1.5	.1	73	.39	.085	11	41.8	.46	116	.041	1	1.08	.010	.07	.1	.01	1.5	.1	<.05	5
55E 625N	2.4	38.4	9.2	118	.2	42.1	19.1	374	3.77	110.4	.3	12.8	1.7	16	.3	4.6	.1	100	.31	.120	11	70.4	.87	104	.038	1	1.76	.011	.08	.2	.02	2.7	.1	<.05	7
55E 600N	2.8	140.7	116.5	93	7.6	89.5	34.5	914	6.71	2910.9	.4	677.9	1.6	27	.6	373.9	.2	82	.49	.071	11	79.7	.61	87	.012	2	1.32	.008	.14	.2	.20	9.8	.1	<.05	4
55E 575N	2.4	27.6	7.8	73	.1	37.0	16.0	511	2.67	161.5	.3	4.4	1.3	15	.3	8.7	.1	73	.31	.061	10	78.7	.55	85	.038	1	.99	.013	.08	.2	.02	2.7	.1	<.05	4
55E 550N	1.6	11.8	5.7	56	.2	18.7	11.5	422	1.89	37.5	.2	2.8	.7	11	.3	2.1	.1	63	.21	.043	9	41.8	.36	71	.022	1	1.01	.010	.05	.1	.01	1.6	.1	<.05	4
55E 525N	2.6	27.2	6.1	63	.2	24.6	14.3	428	2.55	56.5	.3	1.2	.7	16	.3	3.2	.1	82	.32	.064	10	41.6	.43	119	.019	<1	1.10	.008	.08	.1	.02	2.0	.1	<.05	5
55 00N	8.6	58.9	18.0	87	.1	44.9	16.9	288	3.94	180.0	.4	28.0	1.5	13	.2	8.2	.2	107	.24	.060	12	45.6	.53	71	.017	1	1.42	.006	.08	.2	.03	2.8	.1	<.05	5
55E 475N	4.7	30.2	8.2	71	.1	28.7	16.0	917	2.69	80.3	.3	13.7	1.4	16	.5	5.6	.2	72	.30	.077	12	32.4	.36	188	.030	1	.96	.006	.11	.2	.01	1.8	.1	<.05	5
55E 450N	2.8	35.4	6.7	72	.1	26.5	17.1	434	2.85	61.4	.3	10.4	1.3	15	.2	4.7	.1	87	.34	.050	9	35.7	.56	174	.029	1	1.47	.007	.08	.2	.01	2.2	.1	<.05	6
55E 425N	4.2	53.6	13.9	72	.2	35.4	21.7	894	3.58	234.7	.4	14.4	1.3	26	.3	7.3	.2	85	.49	.125	11	43.7	.50	157	.017	1	1.32	.017	.13	.2	.02	2.7	.1	<.05	5
55E 400N	3.2	59.6	7.2	66	.1	41.1	14.9	314	3.00	100.9	.4	40.0	2.5	14	.3	4.8	.1	76	.28	.065	14	44.8	.67	67	.044	1	1.51	.006	.10	.2	.01	2.4	.1	<.05	4
RE 55E 400N	3.1	59.6	7.2	65	.1	42.9	14.7	306	3.12	97.0	.4	23.1	2.5	14	.3	4.7	.2	74	.27	.065	14	44.8	.67	65	.043	1	1.43	.007	.10	.2	.02	2.3	.1	<.05	4
55E 375N	2.7	32.6	7.9	93	.2	33.1	22.3	516	2.97	44.1	.4	8.0	1.7	27	.6	2.0	.2	88	.48	.101	11	54.4	.71	94	.037	1	1.51	.009	.10	.1	.02	2.9	.1	<.05	6
55E 350N	2.5	18.9	8.2	66	.1	22.8	11.5	251	2.03	26.9	.4	5.8	2.0	18	.5	1.3	.2	73	.40	.058	10	39.1	.50	72	.055	1	1.25	.009	.08	.1	.01	1.7	.1	<.05	5
55E 325N	1.8	45.6	10.7	98	.2	29.3	23.4	1720	3.31	77.0	.3	7.3	1.3	25	.9	3.9	.2	83	.44	.078	10	38.7	.51	212	.033	1	1.51	.009	.14	.4	.03	3.2	.1	<.05	5
55E 300N	1.5	44.6	8.3	144	.3	39.1	28.0	1171	3.34	42.6	.4	3.7	1.3	29	1.3	3.4	.2	87	.57	.192	9	57.4	.74	219	.050	2	1.77	.009	.11	.2	.02	3.3	.1	<.05	7
55E 275N	4.0	59.9	8.6	99	.1	41.1	18.1	407	3.57	85.2	.4	9.3	2.2	18	.4	3.7	.2	95	.35	.076	10	47.9	.66	74	.032	1	1.62	.006	.08	.2	.02	2.7	.1	<.05	5
55E 250N	2.7	31.4	6.0	88	.1	26.4	14.6	413	2.79	58.1	.3	3.2	1.6	12	.4	3.1	.2	72	.23	.053	12	35.4	.50	75	.038	<1	1.12	.006	.07	.1	.01	1.7	.1	<.05	5
55E 225N	1.6	26.2	7.2	118	.1	25.0	16.4	747	2.74	26.1	.3	11.3	1.5	18	.6	2.6	.1	72	.34	.057	10	35.3	.50	116	.034	1	1.21	.007	.09	.1	.02	2.0	.1	<.05	5
55E 200N	1.1	15.5	6.3	69	.1	19.2	11.5	614	2.01	13.6	.4	28.7	1.0	25	.4	1.1	.1	52	.44	.071	11	27.1	.39	89	.036	1	1.07	.007	.09	.1	.02	1.5	.1	<.05	4
55E 175N	1.3	16.9	6.7	67	.1	26.1	11.5	309	2.45	12.8	.4	2.6	2.9	14	.2	.8	.2	54	.23	.032	12	34.3	.50	70	.055	1	1.37	.006	.06	.1	.02	1.7	.1	<.05	4
55E 150N	1.6	22.0	7.2	81	.1	27.8	12.7	336	2.52	20.6	.4	3.1	2.5	22	.6	1.1	.1	63	.42	.025	11	40.0	.54	65	.048	1	1.35	.006	.05	.2	.02	2.0	.1	<.05	4
55E 125N	2.8	62.1	13.3	179	.8	54.7	23.5	2306	3.47	28.0	.7	6.2	1.9	53	1.7	3.0	.3	62	.94	.073	15	73.8	.68	165	.045	4	2.15	.015	.09	.3	.08	3.3	.1	<.05	4
55E 100N	3.3	35.9	6.4	95	.1	27.1	13.6	472	3.00	32.4	.4	19.1	.7	18	.4	3.0	.2	87	.29	.070	8	38.9	.47	69	.024	1	1.26	.007	.08	.2	.02	1.8	.1	<.05	6
STANDARD DS	9.8	114.6	35.2	156	.3	40.3	12.8	790	3.20	29.6	6.7	22.9	4.4	28	5.8	5.3	5.9	81	.58	.088	20	174.4	.60	142	.101	2	1.87	.034	.16	3.5	.21	2.6	1.3	<.05	6

Standard is STANDARD DS3. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

JUN 24 2002

Cross Lake Minerals File # A201681

240 - 800 W. Pender St., Vancouver BC V6C 2V6 Submitted by: Jim Miller-Tait

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm
SI	.4	6.7	49.2	62	.1	.8	.2	15	.03	.8	<.1	<.5	<.1	2	.5	.1	<.1	<1	.07	<.001	<1	2.6	<.01	3	<.001	2	.01	.38	8<.01	.7	.01	.1	<.1	<.05	<1
A 206425	.6	53.1	18.5	92	.2	179.8	48.4	1892	4.53	23.8	<.1	4.4	.1	308	.3	.5	<.1	134	14.06	.015	2	988.0	3.15	192	.120	4	2.02	.007	<.01	.7	.02	26.5	<.1	.71	7
A 206426	.5	101.4	18.8	114	.3	108.9	27.5	3152	3.33	19.2	<.1	51.8	.1	257	.8	1.6	.1	82	17.76	.013	4	525.9	2.18	33	.033	<1	1.43	.003	<.01	.3	.02	16.1	<.1	.90	4
A 206427	.9	51.7	8.7	155	.1	75.7	29.2	2191	4.18	12.4	.1	8.1	.3	241	1.4	.4	<.1	120	13.28	.046	4	238.2	3.04	25	.075	4	2.13	.007	.02	1.6	.05	12.5	<.1	.36	7
A 206428	.4	41.5	9.1	41	.2	104.5	32.7	2044	3.40	17.9	<.1	13.1	.1	274	.2	.6	.1	91	15.78	.005	2	615.2	2.27	53	.037	1	1.24	.006	.01	.3	.02	18.6	<.1	.88	4
A 206429	.7	99.8	8.0	42	.2	78.2	26.7	3779	2.99	14.2	<.1	32.2	<.1	340	.3	.4	<.1	62	19.50	.007	2	304.0	1.55	30	.015	1	.81	.005	<.01	1.9	.03	13.8	<.1	1.01	3
A 206458	10.9	103.6	6.1	65	.5	63.5	29.5	1006	5.24	343.2	.7	9.8	1.6	137	.4	34.6	.1	48	7.37	.120	7	30.5	.84	65	.006	5	.60	.006	.33	.6	.06	14.0	.1	.07	1
STANDARD	9.0	125.4	34.0	145	.3	36.5	12.3	846	3.16	29.4	6.0	20.6	3.6	28	5.5	5.5	5.4	75	.54	.088	16	178.3	.59	150	.090	2	1.69	.027	.15	4.0	.23	2.6	1.0	<.05	6

Standard is STANDARD DS3.

GROUP 1DA - 10.0 GM SAMPLE LEACHED WITH 60 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 200 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: ROCK R150 60C

DATE RECEIVED: JUN 12 2002 **DATE REPORT MAILED:** June 14/02 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data F FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604) -1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

JUN 24 2002

Cross Lake Minerals File # A201682

240 - 800 W. Pender St., Vancouver BC V6C 2V6 Submitted by: Jim Miller-Tait

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Pd ppb	Pt ppb
G-1	1.0	2.4	2.3	39	<.1	4.1	3.7	515	1.71	<.5	2.4	.6	5.0	62	<.1	<.1	.2	36	.51	.097	7	12.1	.49	205	.117	2	.96	.054	.46	2.3	<.01	1.4	.3	<.05	4	<10	2
A 206403	1.1	28.8	7.8	71	.1	40.4	15.9	611	2.77	10.6	.7	4.7	2.4	28	.3	.4	.2	65	.63	.076	9	58.9	1.01	82	.074	1	1.61	.007	.07	.3	.02	3.3	.1	<.05	5	<10	3
A 206404	.9	17.1	4.8	56	.1	34.0	12.5	554	2.66	5.5	.4	671.5	2.0	21	.2	.4	.1	76	.72	.071	7	72.2	1.09	45	.113	1	1.53	.013	.06	1.2	.01	2.7	<.1	<.05	5	<10	3
A 206405	1.3	34.5	7.9	76	.2	42.7	17.1	611	3.27	17.0	.7	323.3	2.6	24	.2	.5	.2	75	.60	.086	9	69.3	1.17	84	.090	1	1.76	.006	.07	.2	.03	3.7	.1	<.05	5	<10	2
STANDARD	8.8	120.2	34.8	151	.3	35.6	11.9	830	3.10	29.3	5.8	22.8	3.6	27	5.3	5.3	5.6	73	.52	.091	17	180.2	.57	143	.090	1	1.70	.029	.16	3.6	.24	2.7	1.0	<.05	6	<10	<2

Standard is STANDARD DS3.

GROUP 1DA - 10.0 GM SAMPLE LEACHED WITH 60 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 200 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: STREAM SED.

DATE RECEIVED: JUN 12 2002 DATE REPORT MAILED: June 20/02 SIGNED BY: D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Cross Lake Minerals File # A201683 Page 1 JUN 24 2002

240 - 800 W. Pender St., Vancouver BC V6C 2V6 Submitted by: Jim Miller-Tait

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm
206401	1.2	74.6	34.5	46	.5	78.9	40.1	1294	5.41	15.8	.1	10.8	.4	257	.1	2.9	<.1	150	5.98	.058	4	164.9	3.24	287	.001	3	.77	.013	.09	.7	1.01	27.3	<.1	.57	3
206402	1.3	90.9	10.3	58	.2	38.2	27.1	646	3.71	1.5	.3	1.0	.7	27	.1	.3	.1	122	1.09	.110	5	53.6	1.57	87	.197	3	1.92	.041	.16	.6	.02	2.9	.1	.34	8
206406	.1	20.7	3.6	36	<.1	94.4	29.4	409	2.25	.7	<.1	<.5	.1	17	.3	.2	<.1	39	1.09	.023	1	143.1	2.70	23	.061	<1	1.81	.057	.04	.4	<.01	5.3	<.1	<.05	3
206407	.8	72.1	3.8	61	.1	38.0	26.2	1035	4.73	16.1	.4	1.1	.9	165	.1	1.9	<.1	84	4.70	.135	9	49.0	1.69	60	.002	2	1.47	.008	.14	.7	.04	12.2	<.1	<.05	5
206408	1.4	77.1	447.1	69	24.0	5.9	1.6	197	.74	11.8	<.1	17.2	<.1	8	.3	29.6	.2	5	.10	.021	<1	63.0	.03	10	.001	1	.06	.003	.01	4.4	.04	2.2	<.1	<.05	<1
206409	1.5	102.2	13.6	87	.5	67.2	36.5	1439	5.81	65.2	.4	2.4	1.0	49	.2	8.5	.1	116	.86	.119	12	70.2	1.26	101	.005	2	2.12	.019	.20	.5	.02	16.5	<.1	<.05	6
206410	1.4	115.2	5.5	72	.3	115.2	34.4	1651	5.36	3075.6	.4	10.8	1.3	50	.1	14.4	.2	131	2.41	.076	8	205.1	1.58	140	.003	2	1.85	.022	.24	.4	.06	20.6	.1	<.05	5
206411	10.3	160.8	4.3	42	.3	41.4	24.1	768	4.67	198.6	.6	27.3	2.5	51	<.1	33.9	1.0	32	1.94	.090	11	16.7	.39	138	.001	3	.91	.015	.24	1.6	.04	6.6	.1	<.05	2
206412	.4	46.6	2.2	30	.1	38.8	23.3	524	3.40	10.9	.3	2.5	.8	49	.1	.7	<.1	130	2.69	.121	4	113.6	1.83	51	.153	3	2.08	.059	.11	.3	<.01	6.6	<.1	.20	7
3	2.2	3.7	.9	6	<.1	9.6	1.9	441	.72	5.2	<.1	.7	<.1	106	<.1	.6	<.1	6	5.77	.002	<1	25.0	.76	7	.001	<1	.09	.005	.01	9.5	<.01	1.3	<.1	<.05	<1
206414	.4	25.4	3.5	31	.1	126.8	41.6	1453	4.65	109.7	.1	44.4	.3	132	.1	2.6	<.1	109	8.60	.021	2	449.5	3.88	41	.016	7	1.08	.016	.06	.8	.09	30.1	<.1	<.05	4
206415	.5	28.3	2.2	26	<.1	108.8	28.5	487	2.46	12.7	.1	2.6	.2	48	.2	.6	<.1	45	2.63	.028	1	276.5	2.98	43	.056	1	1.58	.069	.06	.5	.01	10.6	<.1	<.05	3
206416	.6	18.8	1.5	24	<.1	103.2	29.7	1187	3.17	12.8	.1	.5	.1	275	.2	1.0	<.1	55	9.87	.015	1	210.2	4.73	78	.013	2	.95	.024	.10	.2	.01	13.7	<.1	<.05	3
206417	.6	44.6	1.3	25	<.1	121.7	30.4	573	2.71	18.6	.1	1.0	.3	74	.2	.9	<.1	53	3.71	.035	1	359.9	3.05	49	.054	2	1.62	.070	.07	.3	.02	12.0	<.1	<.05	4
206418	2.8	121.4	5.4	66	.1	122.6	42.6	1393	5.74	32.5	.2	5.9	1.1	101	.2	3.9	.1	113	3.58	.093	13	275.8	3.37	345	.003	1	2.17	.024	.17	.2	.02	23.5	<.1	.18	7
206419	9.3	110.3	9.1	62	.4	27.6	28.4	1558	5.45	2023.7	.3	2240.0	1.2	80	.1	14.0	<.1	72	5.50	.136	6	26.2	.43	140	.002	5	.93	.016	.27	2.0	.05	12.8	.1	<.05	2
206420	.1	93.6	2.1	23	.1	97.7	34.0	455	2.47	19.6	.1	9.5	.2	32	.1	.9	<.1	64	1.65	.025	2	332.5	2.60	27	.087	<1	1.26	.046	.03	.2	<.01	8.6	<.1	<.05	4
RE A 206420	.2	93.2	2.1	23	.1	98.0	32.7	456	2.48	19.7	.1	8.8	.2	33	.1	.8	<.1	64	1.66	.025	2	348.8	2.61	28	.086	<1	1.26	.047	.03	.2	<.01	9.5	<.1	<.05	4
206421	.6	61.4	3.0	44	.1	64.7	31.6	805	3.91	9.0	.2	6.1	.7	72	.1	.8	<.1	125	3.24	.089	5	114.6	2.85	33	.144	<1	2.04	.042	.04	.6	.01	8.8	<.1	.12	8
206422	.5	93.2	1.9	59	.1	47.3	32.2	1155	4.87	4.8	.1	2.3	.5	64	.1	.6	<.1	172	3.27	.084	5	92.2	2.83	108	.176	2	2.35	.040	.06	.2	.01	11.2	<.1	.09	10
206423	.6	63.9	7.1	86	.1	101.4	43.3	1909	6.19	19.8	.2	3.1	.4	139	.1	1.1	<.1	195	6.87	.068	4	271.1	4.34	84	.155	<1	3.65	.012	.02	.6	.01	17.9	<.1	.37	12
206424	.3	25.5	5.1	34	.1	136.5	46.9	1831	3.06	24.0	<.1	4.6	.1	190	.1	.5	<.1	77	10.29	.011	1	635.4	2.48	24	.090	1	1.39	.013	.01	.1	<.01	15.3	<.1	.20	4
206430	1.5	805.9	7.6	111	.8	99.9	91.1	1865	9.55	29.9	.1	28.6	.3	76	.2	1.7	.1	303	3.04	.090	6	250.5	4.01	91	.045	1	3.94	.018	.03	.2	.05	22.4	<.1	.51	14
206431	7.2	290.8	3.6	81	.3	67.5	52.3	1562	7.59	56.3	.2	8.0	.4	77	.5	5.8	<.1	214	6.49	.102	5	159.7	1.67	114	.007	3	1.96	.027	.16	.1	.02	23.9	.1	.12	7
206432	12.7	98.3	4.4	44	.3	53.5	31.9	1849	6.18	269.8	.2	27.3	.3	119	.2	13.4	<.1	98	12.41	.037	1	60.1	1.47	190	.001	1	.49	.011	.13	.4	.03	14.2	.1	.08	1
206433	7.5	92.0	5.4	74	.2	64.9	37.7	2231	6.04	140.7	.2	15.0	.3	82	.3	9.5	<.1	139	8.25	.043	2	129.1	1.17	124	.002	2	1.13	.011	.14	.5	.05	21.2	.1	.26	3
206434	9.6	60.0	7.7	245	.3	32.2	22.2	2167	5.14	110.1	.2	106.3	.6	70	1.0	12.1	.1	79	8.68	.050	3	56.2	.79	92	.002	2	.69	.012	.11	3.3	.04	9.7	<.1	.25	2
35	3.8	71.8	2.9	63	.1	59.6	39.1	1559	5.91	69.1	.2	14.3	.7	90	.1	11.1	<.1	170	7.86	.048	4	144.1	1.98	89	.002	1	1.66	.014	.15	.2	.02	20.0	.1	.20	5
36	8.3	52.6	5.1	66	.4	69.9	38.8	2019	7.04	892.0	.2	44.6	.4	85	.2	11.0	.1	172	9.98	.065	3	114.9	.93	96	.001	1	1.04	.015	.10	.4	.04	20.8	.1	.28	4
206437	8.1	80.2	4.9	69	.3	145.7	48.2	2136	6.78	428.2	.2	31.4	.4	86	.3	11.5	<.1	192	8.93	.085	4	255.9	1.46	128	.004	1	1.36	.017	.11	.2	.02	21.6	.1	.34	5
206438	6.5	72.2	3.9	71	.2	122.6	48.7	1994	7.00	198.7	.2	13.4	.4	93	.3	9.3	<.1	203	8.35	.064	3	246.4	2.00	192	.003	1	1.82	.011	.10	.3	.06	26.0	<.1	.14	5
206439	8.4	118.4	9.2	92	.3	80.5	49.2	2328	7.24	202.4	.2	26.4	.3	81	.3	13.0	<.1	208	8.37	.064	4	159.7	1.47	206	.001	1	1.52	.016	.13	1.0	.02	25.9	.1	.69	5
206440	8.6	119.1	3.6	45	.3	78.0	45.5	1607	6.82	174.7	.2	21.2	.4	137	.1	7.4	<.1	148	7.17	.058	2	115.1	1.89	98	.002	2	.77	.016	.20	.4	.02	24.6	.1	.23	2
STANDARD DS3	8.9	122.5	34.3	150	.3	36.8	12.9	824	3.07	30.5	5.6	21.1	3.7	27	5.6	5.4	5.3	72	.56	.091	17	176.6	.58	141	.091	1	1.69	.027	.15	3.8	.22	2.9	1.0	<.05	6

GROUP 1DA - 10.0 GM SAMPLE LEACHED WITH 60 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 200 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 12 2002 DATE REPORT MAILED: June 19/02 SIGNED BY: D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data___ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm
A 206441	.4	17.6	2.8	30	<.1	94.1	25.6	1141	3.29	63.1	<.1	2.7	<.1	597	.1	.4	<.1	88	17.36	.010	2	377.2	2.86	13	.006	<1	2.23	.002	<.01	.7	.01	20.5	<.1	<.05	5
A 206442	.4	29.1	1.3	44	<.1	33.1	18.7	641	5.28	12.6	.2	.7	.5	78	.1	.6	<.1	184	3.13	.121	4	141.4	2.51	79	.126	3	2.62	.043	.14	.1	<.01	8.2	<.1	<.05	10
A 206443	1.0	113.3	1.9	61	.1	28.0	25.7	1022	5.79	32.9	.2	.8	.9	59	.1	.7	<.1	213	2.44	.146	8	76.6	2.48	54	.063	<1	2.68	.033	.10	.2	<.01	8.5	<.1	<.05	11
A 206444	.7	51.8	42.5	52	.1	44.7	24.8	1024	5.30	25.7	.1	2.1	.6	229	.1	1.4	<.1	205	6.33	.088	4	129.0	2.80	75	.137	2	2.90	.025	.13	.2	<.01	13.7	.1	.29	10
A 206445	5.1	150.5	4.1	54	.1	20.1	24.4	1489	5.17	69.7	.4	2.5	1.4	74	.2	2.3	<.1	76	6.20	.169	10	9.5	.44	112	.003	4	.68	.017	.38	.5	.01	11.6	.1	<.05	2
A 206446	.7	79.7	2.5	53	.1	35.1	22.8	1039	5.01	16.7	.1	2.2	.5	114	.1	1.1	<.1	159	4.45	.102	5	171.1	2.50	57	.089	1	2.37	.043	.18	.2	.01	8.2	<.1	<.05	8
A 206447	.6	106.4	3.1	66	.1	35.0	29.4	1284	5.41	25.4	.1	2.0	.8	124	.1	1.4	<.1	213	4.98	.126	7	104.4	2.53	59	.049	2	2.55	.040	.15	.2	<.01	10.7	<.1	<.05	10
A 206448	.7	141.7	2.5	72	.1	19.9	27.0	1340	5.67	11.8	.2	1.2	1.6	100	.1	.7	<.1	229	4.35	.149	11	26.6	2.44	40	.007	1	2.69	.025	.10	.1	.01	10.2	<.1	<.05	12
A 206449	.7	140.3	2.4	75	.1	21.9	25.4	1380	4.96	17.6	.2	1.4	1.4	103	.1	.9	<.1	166	4.45	.150	10	37.1	2.30	49	.004	3	2.67	.021	.18	.2	.01	8.2	<.1	<.05	10
A 206450	5.1	49.9	3.0	78	.1	70.4	40.6	1841	7.86	252.1	.2	10.0	.4	72	.3	9.7	<.1	266	4.95	.091	6	195.0	2.08	117	.004	2	2.40	.022	.13	.2	.03	27.0	.1	<.05	8
RE A 206450	5.1	47.8	2.9	75	.1	66.6	38.1	1779	7.66	243.9	.2	10.4	.4	70	.2	10.0	<.1	259	4.80	.091	6	184.7	2.02	116	.004	1	2.34	.022	.12	.2	.02	25.8	.1	<.05	8
A 206451	4.1	29.8	3.0	62	.1	51.1	27.2	1371	5.99	191.0	.2	10.6	.5	60	.1	5.2	<.1	165	4.30	.077	5	134.5	1.50	139	.015	2	1.98	.042	.17	.6	.02	19.1	.1	<.05	6
A 206452	7.5	40.3	13.6	78	.2	41.0	23.9	1451	6.34	382.3	.4	83.5	.9	52	.3	10.3	<.1	169	3.81	.102	10	73.1	1.57	112	.003	3	2.09	.028	.15	.4	.03	14.3	<.1	<.05	7
A 206453	7.5	61.8	6.2	92	.3	76.5	43.5	1932	8.77	342.7	.3	39.0	.5	88	.4	9.2	<.1	252	3.43	.079	5	176.8	1.79	117	.003	2	2.19	.020	.18	.4	.03	30.3	.1	<.05	7
A 206454	6.4	37.7	2.6	64	.1	63.7	31.7	1494	6.71	236.7	.2	5.7	.3	66	.2	5.1	<.1	197	5.09	.060	3	150.9	1.62	99	.003	1	1.77	.036	.11	.8	.02	23.9	.1	<.05	6
A 206455	3.7	34.3	3.6	48	.2	68.0	37.7	1445	6.63	322.7	.2	17.3	.4	122	.1	4.6	<.1	223	6.63	.053	2	168.4	2.64	296	.002	1	1.96	.015	.13	.4	.19	27.7	.1	.31	5
A 206456	5.4	74.1	5.2	79	.1	73.6	35.1	1822	6.21	121.8	.2	6.8	.7	123	.1	6.2	<.1	159	8.27	.068	4	118.0	2.02	111	.003	1	1.40	.023	.17	.5	.02	19.8	.1	.17	4
A 206457	5.1	116.4	4.0	85	.1	95.7	46.8	1867	7.52	185.2	.3	6.6	.7	51	.2	5.9	<.1	213	3.70	.102	6	200.9	2.00	146	.004	2	2.20	.021	.17	.2	.01	23.6	.1	.17	8
STANDARD DS	9.3	127.1	34.5	155	.3	36.0	11.8	843	3.16	29.6	5.5	20.7	3.7	29	5.9	5.3	5.6	73	.56	.089	16	172.4	.59	140	.086	2	1.68	.029	.15	3.7	.24	2.8	1.0	<.05	6

Standard is STANDARD DS3. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ___ FA ___

ACME
ANALYTICAL LABORATORIES LTD.

852 East Hastings Street • Vancouver, British Columbia • CANADA • V6A 1R6
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Mr. Jim Miller-Tait, P.Geo.
Vice President, Exploration
Cross Lake Minerals Ltd.
240 – 800 West Pender St.
Vancouver, B.C., V6C 2V6

May 23, 2002

Dear Jim,

Thank you for considering Acme Laboratory for your analytical requirements. Acme Labs respectfully submits this proposal for sample preparation and analysis for your evaluation.

Code R150 - Drill Core, Drill Chip and Rock Preparation
Rock and core preparation, including drying; crushing (up to 4 kg) in a "Rhino Jaw Crusher" to **70% passing** –10 mesh (2 mm), splitting 250g and pulverizing using a "Ring and Puck" pulverizer to **95% passing** –150 mesh (106 microns).
Price per sample: $ 4.25 Canadian

Coded SS80 - Soil and Sediment Preparation
Samples will be dried at 60°C, sieved (up to) 100 grams to –80 mesh (180 microns)
Price per sample: $ 1.28 Canadian

Group 1DA - 35-element ICP-MS analysis with an Aqua Regia digestion on a 10 gram split

Element	Detection Levels	Element	Detection Levels
Ag	0.1 ppm to 100 ppm	Al*	0.01% to 10%
As	0.5 ppm to 10,000 ppm	Au	0.5 ppb to 100 ppm
B*	1 ppm to 2,000 ppm	Ba*	1 ppm to 1,000 ppm
Bi	0.1 ppm to 2,000 ppm	Ca*	0.01% to 40%
Cd	0.1 ppm to 2,000 ppm	Co	0.1 ppm to 2,000 ppm
Cr*	1 ppm to 10,000 ppm	Cu	0.1 ppm to 10,000 ppm
Fe*	0.01% to 40%	Ga	1 ppm to 1000 ppm
Hg	0.01 ppm to 100 ppm	K*	0.01% to 10%
La*	1 ppm to 10,000 ppm	Mg*	0.01% to 30%
Mn*	1 ppm to 10,000 ppm	Mo	0.1 ppm to 2,000 ppm
Na*	0.001% to 10%	Ni	0.1 ppm to 10,000 ppm
P*	0.001% to 5 %	Pb	0.1 ppm to 10,000 ppm
S	0.05% to10%	Sb	0.1 ppm to 2,000 ppm
Sc	0.1 ppm to 100 ppm	Sr*	1 ppm to 10,000 ppm
Th*	0.1 ppm to 2,000 ppm	Ti*	0.001% to 10%
Tl	0.1 ppm to 1000 ppm	U*	0.1 ppm to 2,000 ppm
V*	1 ppm to 10,000 ppm	W*	0.1 ppm to 100 ppm
Zn	1 ppm to 10,000 ppm		

Price per sample: $ 9.78 Canadian

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Service and Turnaround

The average turnaround for the above analysis will be 6 days from when the samples arrive in Vancouver; we will do everything in our power to process your samples in the least amount of time possible.

Implementation of ISO 9002 / ISO Guide 25

Acme Laboratories, Vancouver, is an ISO 9002 registered company as of 1996 and currently is working towards ISO Guide 25 accreditation for specific methods. ISO 9002 is a set of general standards for quality system management while ISO Guide 25 is specific to the technical competency of calibration and testing laboratories. Implementation of these ISO quality systems will ensure a formal documented quality system that focuses on achieving, maintaining and continually improving the quality of analysis. Acme laboratories uses internationally recognized methodologies.

Pulp Storage Policy

All pulps are stored for 1 year (no charge) prior to disposal. Clients may purchase additional storage time of rejects and pulps. The storage rate for an additional 3 years is $7.90 per 1.2 ft^3.

I hope you find the above of interest. This quotation is valid for one year from issue; all prices are in Canadian funds. Please refer to **quotation number 02-070.** If you have any questions or would like more information on any aspect of this quotation, please don't hesitate to contact me at (604) 253 3158 or by email at rmccaffrey@acmelab.com

Thank you for inviting us to bid on this project.

Sincerely,

Rick McCaffrey
Business Development Manager

AUG 0 7 2002

AUG 0 7 2002

XRAL **XRAL Laboratories**
A Division of SGS Canada Inc.

1885 Leslie Street
Don Mills, Ontario
Canada M3B 3J4
Telephone (416) 445-5755
Fax (416) 445-4152

CERTIFICATE OF ANALYSIS

Work Order: 068698

To: **Cross Lake Minerals Ltd**
Attn: Jim Miller-Tait

240-800 West Pender St.
VANCOUVER
BC/CANADA/V6C 2V6

Date : 19/07/02

Copy 1 to :

P.O. No.	:	
Project No.	:	CARIBOO
No. of Samples	:	58 Soil(MMI)
Date Submitted	:	05/07/02
Report Comprises	:	Cover Sheet plus Pages 1 to 2

Distribution of unused material:
Pulps: Store
Rejects: Store

Certified By : per

Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Subject to SGS General Terms and Conditions

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result
*INF	= Composition of this sample makes detection impossible by this method		

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 068698 **Date:** 19/07/02 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
55E-1525N	3.50	227	262	0.22	102
55E-1500N	<0.1	11	231	0.12	23.1
55E-1475N	0.46	14	140	<0.1	34.7
55E-1450N	<0.1	2	112	<0.1	38.4
55E-1425N	0.72	8	182	0.11	79.0
55E-1400N	<0.1	4	126	<0.1	40.1
55E-1375N	0.55	3	694	<0.1	76.9
55E-1350N	1.75	79	555	<0.1	119
55E-1325N	10.5	95	836	0.16	70.0
55E-1300N	0.92	7	699	<0.1	123
55E-1275N	<0.1	3	32	<0.1	11.1
55E-1250N	<0.1	9	67	<0.1	32.8
55E-1225N	0.20	3	44	<0.1	25.5
55E-1200N	<0.1	7	71	<0.1	17.0
55E-1175N	<0.1	5	21	<0.1	8.16
55E-1150N	<0.1	7	74	<0.1	22.9
55E-1125N	1.09	3	249	<0.1	29.6
55E-1100N	2.04	6	180	<0.1	23.5
55E-1075N	1.51	<1	320	<0.1	49.6
55E-1050N	<0.1	22	21	<0.1	5.41
55E-1025N	<0.1	32	38	<0.1	9.27
55E-1000N	0.32	17	45	<0.1	8.53
55E-975N	1.23	1	238	<0.1	54.5
55E-950N	<0.1	24	86	<0.1	15.5
55E-925N	0.22	13	21	<0.1	5.46
55E-900N	0.16	8	28	<0.1	6.36
55E-875N	0.24	3	54	<0.1	9.01
55E-850N	0.76	10	133	<0.1	52.2
55E-800N	0.31	5	26	<0.1	7.12
55E-650N	0.28	2	34	<0.1	10.4
55E-625N	<0.1	15	43	<0.1	9.89
55E-600N	209	18	667	0.28	1360
55E-550N	0.28	14	28	<0.1	4.63
55E-500N	0.51	10	52	<0.1	11.4
55E-475N	0.25	9	75	<0.1	6.66
55E-450N	<0.1	5	38	<0.1	5.84
55E-425N	0.74	7	62	<0.1	14.8
55E-275N	0.14	16	85	<0.1	5.51
55E-175N	0.41	14	64	<0.1	5.49
55N-150N	0.79	16	73	<0.1	38.5
55N-125N	0.34	5	31	<0.1	2.35
55E-100N	0.34	5	35	<0.1	4.46
L55E-825N	0.38	9	27	<0.1	12.3
L55E-775N	0.64	18	103	<0.1	10.4
L55E-750N	0.73	5	71	<0.1	21.4

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
L55E-725N	0.26	16	16	<0.1	14.0
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM06	41.7	754	6430	<0.1	43.3
L55E-700N	0.68	7	75	<0.1	12.6
L55E-675N	0.48	3	42	<0.1	18.1
L55E-525N	0.39	10	55	<0.1	12.8
L55E-400N	1.39	14	47	0.14	8.85
L55E-375N	0.50	15	71	<0.1	36.3
L55E-350N	0.41	37	57	<0.1	7.38
L55E-325N	0.61	24	67	<0.1	5.86
L55E-300N	0.81	8	75	<0.1	19.6
L55E-275N	0.75	11	66	<0.1	8.82
L55E-250N	0.50	12	24	<0.1	6.11
L55E-225N	0.71	7	63	0.10	3.64
L55E-200N	0.43	5	55	<0.1	13.0
*Dup 55E-1525N	3.96	279	292	0.24	92.1
*Dup 55E-1225N	0.38	3	51	<0.1	30.1
*Dup 55E-925N	0.35	15	27	<0.1	6.57
*Dup 55E-425N	0.77	9	72	<0.1	16.9
*Dup L55E-525N	0.49	9	51	<0.1	13.6
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMIXRAL01	1.84	68	469	<0.1	88.1

XRAL Laboratories
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From/De: Walter Grondin

Date: August 8/01

Copies:

To/À: Jim Miller-Tait
1-604-688-5443

Subj./Sujet: Analytical Procedures

FAX TRANSMITTANCE / TRANSMISSION DE FAX

Page(s): 4

XRAL LABORATORIES IS CERTIFIED TO ISO9002

XRAL LABORATORIES
WORK INSTRUCTION

TITLE: ICP Analysis – MMI-A (Mobile Metal Ions Process) **CD# TO-WI-IC-12**
Date: December 3, 1997 **Rev: 02**
Written by: Sorina Oprea **Approved by: P.Burgener**

Process: ICP Lab

Relates to procedure MMI-A

1. **PURPOSE:**

To analyse Cu, Cd, Zn, Pb for samples of geochemical interest after a weak partial extraction with specific extractants.

2. **SCOPE:**

Samples digested in wet lab are analyzed in ICP department on ARL3410 and results are released to data centre after validation.

3. **INSTRUCTIONS:**

MMI-A is performed on ARL3410.

3.1 Starting up procedure - daily - see Appendix I

3.2 Setting up the analysis

3.2.1 Digestion procedure - see Wet Lab Work Instruction TO-WI-SD-12
The matrix is MMI-A solution matrix.

3.2.2 The control sample digested with each batch of samples is SRM02 supplied by WAMTECH.

3.2.3 Following calibration standards, made up in MMI-A solution matrix, as per procedure TO-WI-CH-33
1. Blank
2. High 5 ppm 4 elements: Cu, Zn, Cd, Pb

3.2.4 Software task used in ARL3410 is "MMIA"

3.3 ***Setting up autosampler run***
The batch consists of:
- Standards
- Samples to be analyzed
- Drift check solution - approximately 5 ppm of Cu, Zn, Cd, Pb (see procedure for drift) to be checked every 24 samples

3.3.1 **Calibration.**
This step is mandatory for ARL3410 when original calibration has drifted more than 30%.
The calibration is done with the 2 standards using procedure ARL – CD#TO-WI-IC-02, Section 2.1.
Autosampler and sequence calibration "MMIA".

3.3.2 **Automated analysis**

3.3.2.1 Set up autosampler batch in computer. In the same batch, a series of different work orders can be run, one after another, up to 228 samples. For each batch enter the appropriate DF, WO#, method code. Create sequence of samples into a batch using sequence file MMIA.

3.3.2.2 Set up samples in rack as per procedure TO-WI-IC-01.

3.3.2.3 **Start analysis.**
Press "Run Unknown" key, and for overnight run, answer "YES" when asked "Estinguish torch at the end of the run".

3.4 **Report the results** - as per general ICP procedure.

3.4.1 **Getting the printed report**
See CCLASS procedure.

3.4.2 **Validation of results**
Check instrument print out for drift check values. If greater than 15%, update results .
Check blanks, and control sample results (see limits set up by CCLASS)
Check duplicates. If apart more than 20%, redigest the bad duplicate and rerun it.

If new duplicate is similar to original samples in the batch, reject first duplicate.
If new duplicate is similar to old duplicate, redigest and rerun the whole sequence of samples between the two good duplicates.

4. **SAFETY PRECAUTIONS**

When handling the samples, wear gloves and safety glasses.

APPENDIX I

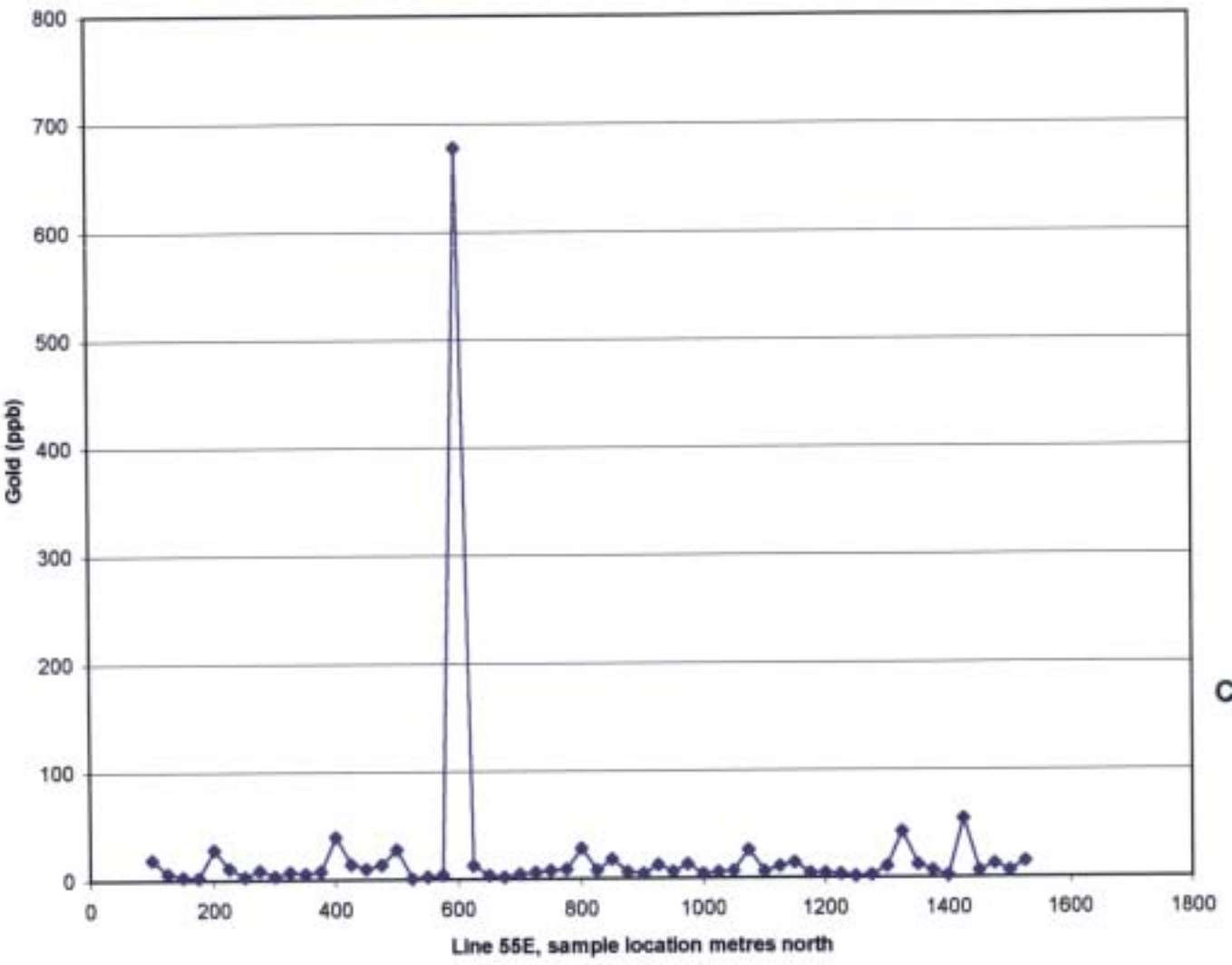
Daily Start-Up Procedure

ARL 3410

1. *Quick visual check of the system:*
   - Argon supply pressure (no less than 80 psi)
   - Pinch and check cooling water circuit
   - Read PM tube parameters (Attention to "drive voltage" - no higher than 3 V)
   - Check vacuum reading on the vacuum meter (no higher than 10^{-2} torr)
2. Check the cleanliness of the torch, if necessary remove and clean it.
3. Replace peristaltic pump tubing and start up pump. Check for proper sample intake flow (no bubbles on the intake and fog in spray chamber), and check the drain reservoir - empty if necessary.
4. Check washing station. Make sure there is enough 5% HNO_3 solution supply and the waste bottle is empty enough to take the wash solution.
5. Ignite plasma.
6. Warm up instrument for half an hour.

SECTION E: ILLUSTRATIONS

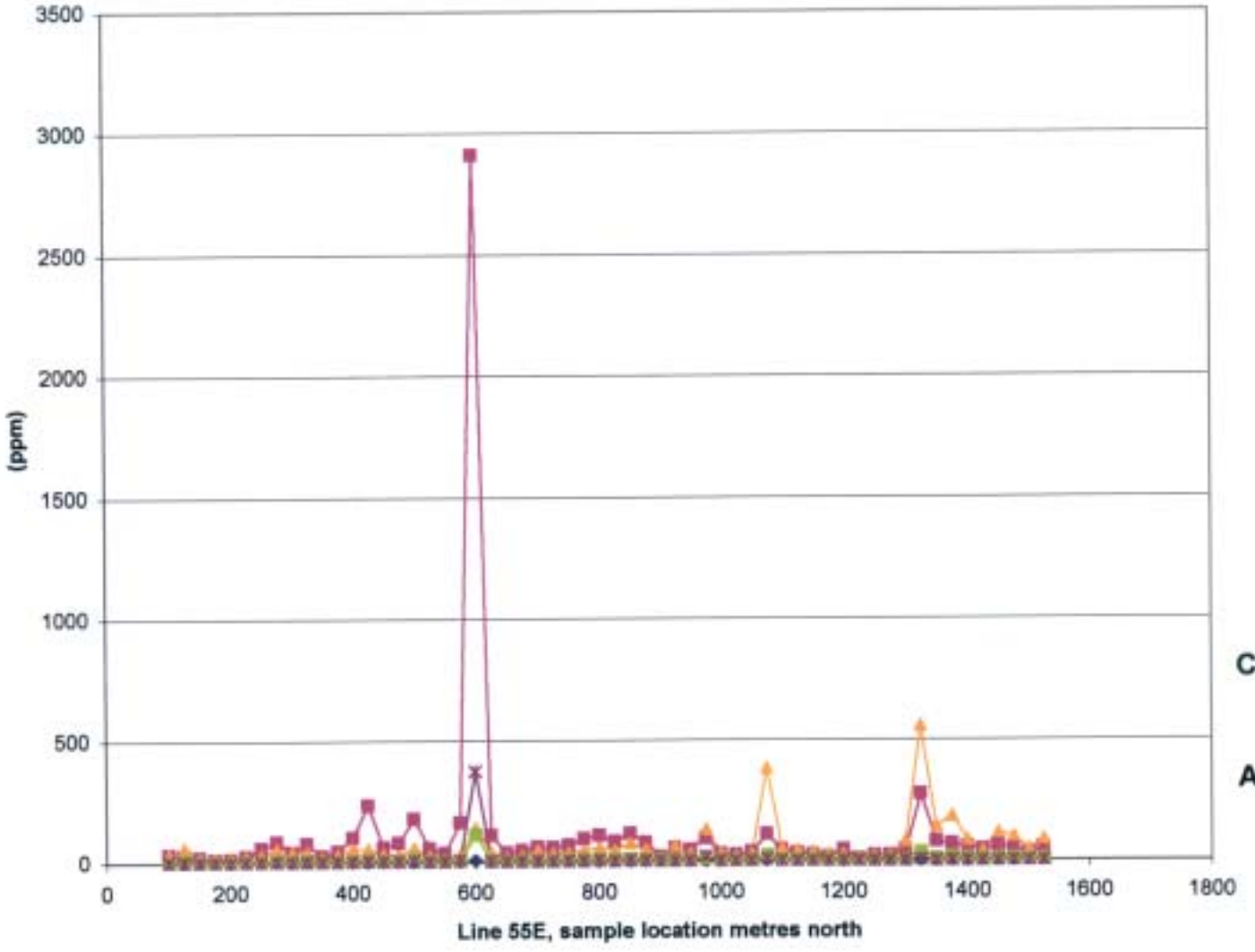
Plan Number	Title	Scale
CAR-02-1 (after p.3)	Property Location	1:9 000 000
CAR-02-2 (after p.3)	General Location Plan	1:250 000
CAR-02-3 (after p.3)	Location Plan with Topography	1:50 000
CAR-02-4 (after p.3)	Mineral Claims	1:50 000
CAR-02-5 (in pocket)	Property Geology	1:10 000
CAR-02-6 (in pocket)	Detailed Trench Plan	1:1 250
CAR-02-7 (in pocket)	Trenches CT-02-1, CT-02-2 and CT-02-3	1:250
CAR-02-8 (in pocket)	Trench CT-02-4	1:250
CAR-02-9 (in pocket)	Line 55E Soil Profile: Au (ppb)	Not to scale
CAR-02-10 (in pocket)	Line 55E Soil Profile: Ag, As, Cu, Pb, Sb (ppm)	Not to scale
CAR-02-11 (in pocket)	Line 55E MMI Soil Profile: Au, Ag, Ni (ppb)	Not to scale



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
J. M. MILLER TAIT
GEOSCIENTIST

Sept 13, 2002

Cross Lake Minerals Ltd.
Cariboo Property
Line 55E Soil Profile
Au (ppb)
September, 2002
Plan No. CAR-02-9



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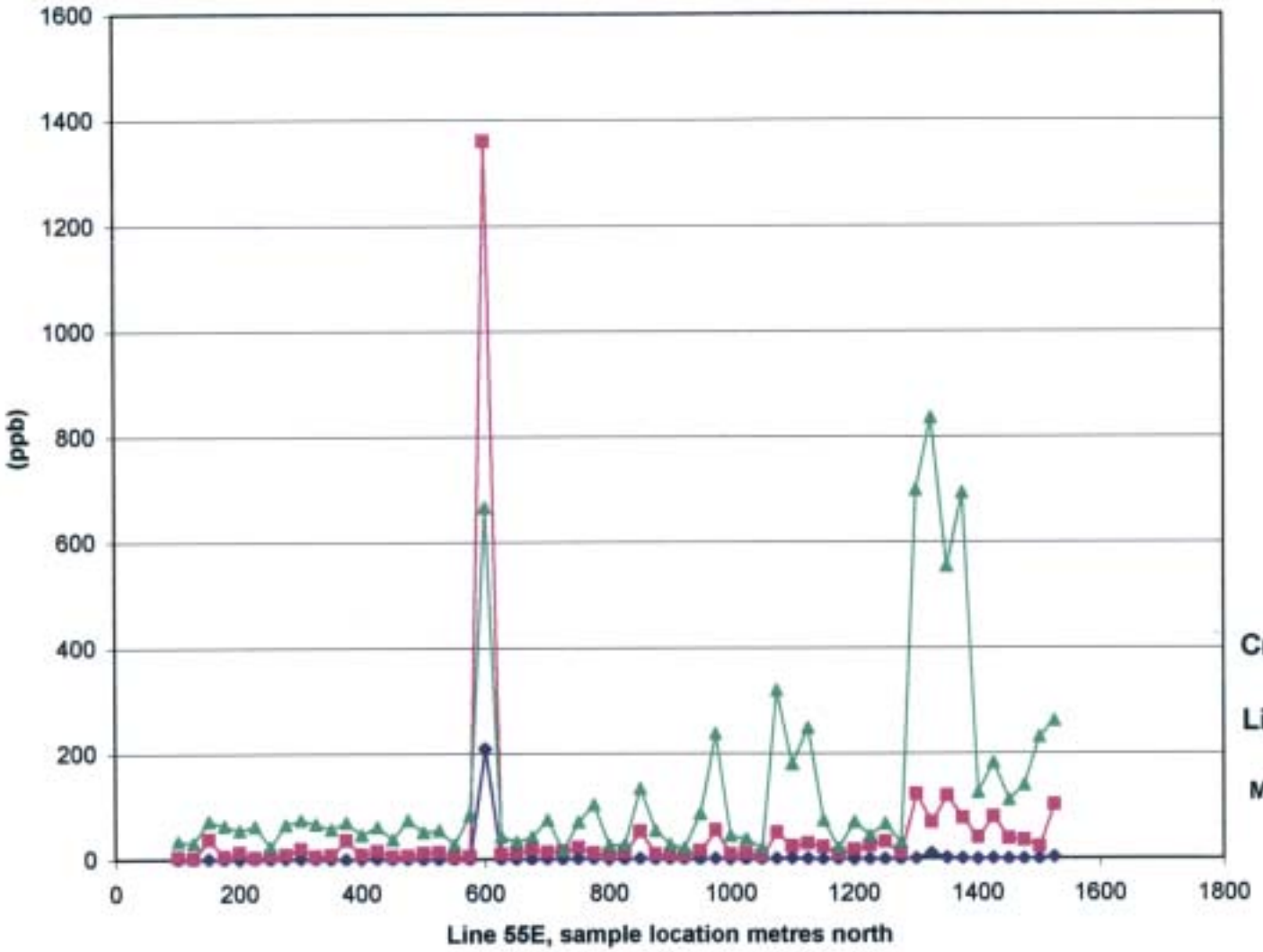
PROVINCE OF BRITISH COLUMBIA
J. M. MILLER-TAIT
GEOSCIENTIST
Sept. 13, 2002

Cross Lake Minerals Ltd.
Cariboo Property
Line 55E Soil Profile
Ag, As, Cu, Pb, Sb (ppm)
September, 2002
Plan No. CAR-02-10



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
J. M. MILLER-TAIT
GEOSCIENTIST

Sept. 13, 2002

Cross Lake Minerals Ltd.
Cariboo Property
Line 55E MMI Soil Profile
Au, Ag, Ni (ppb)
Mobile Metal Ions Plot (MMI)
September, 2002
Plan No. CAR-02-11

Approx. 1 km to nearest road with access to QR property

To Likely

Breccia, fragments +30 cm, rounded

30 cm qtz vein

S# 206408 17.2, 11.8
S# 206409 2.4, 65.2

Logger's Camp

Bx, Qtz Veining

S# 206407 1.1, 16.1

Quarry, ox. qtz. stringers

2 ox.

tr. py, ox.

2 sil.

+1% py

C89-27

S# 206406 <0.5, 0.7

SS# 206405 323.3, 17.0

SS# 206403 4.7, 10.6
GC# 206404 671.5,5.5

1525 N.

CT-02-4

ML#2
ML# 3

ML#1
MOST LIKELY 4

S# 206401 10.8, 10.9

C89-9

DRILL CORE

ox. py, 2 cm qtz veining, shear

S#206411 27.3, 198.6

Quarry

S# 206410 10.8, 3075.8

See Plan #CAR-02-6
For detail of trenches
CT-02-1
CT-02-2
CT-02-3

10x.

C89-8
C89-6
C89-7

Soil Geochem Line

100 N.

ox. py

py, ox.

Py, Bo, Cpy, non-mag
S# 206402 1.0, 1.5

Manuse Creek

chert pebble conglomerate

Quesnel River

Caribou River

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

26,933

PROFESSIONAL ENGINEER OF BRITISH COLUMBIA
A. M. MILLER-TAIT
SEPTEMBER 30, 2002

LEGEND

1	Basalt, Intermediate volcanic flows
2	Volcaniclastic tuffs
3	Siltstone; usually bedded black shales

Intrusive Rocks

4	Basic Dykes
5	Felsic Dykes
6	Diorite, intermediate intrusive rocks

Symbols

50	Bedding orientation; Strike and dip angle
	Geologic contact
	Shear/fault zone
	Limit of outcrop
	Claim boundary
	4X4 trail
	Trench
	Diamond drillhole
S# 206402 375.1,15.8	Rock sample, gold ppb, arsenic ppm
SS# 206402 375.1,15.8	Stream sediment sample gold ppb, arsenic ppm
GC# 206402 375.1,15.8	Panned concentrate sample gold ppb, arsenic ppm
sil.	Silicified, silicification
ox.	Oxidized
qtz	Quartz
py	Pyrite
bo	Bornite
cpy	Chalcopyrite

SCALE 1:10,000
0 100 200 400 600 m

Notes:
- Map grid is NAD 27 UTM grid system.
- Map north is NAD 27 north.

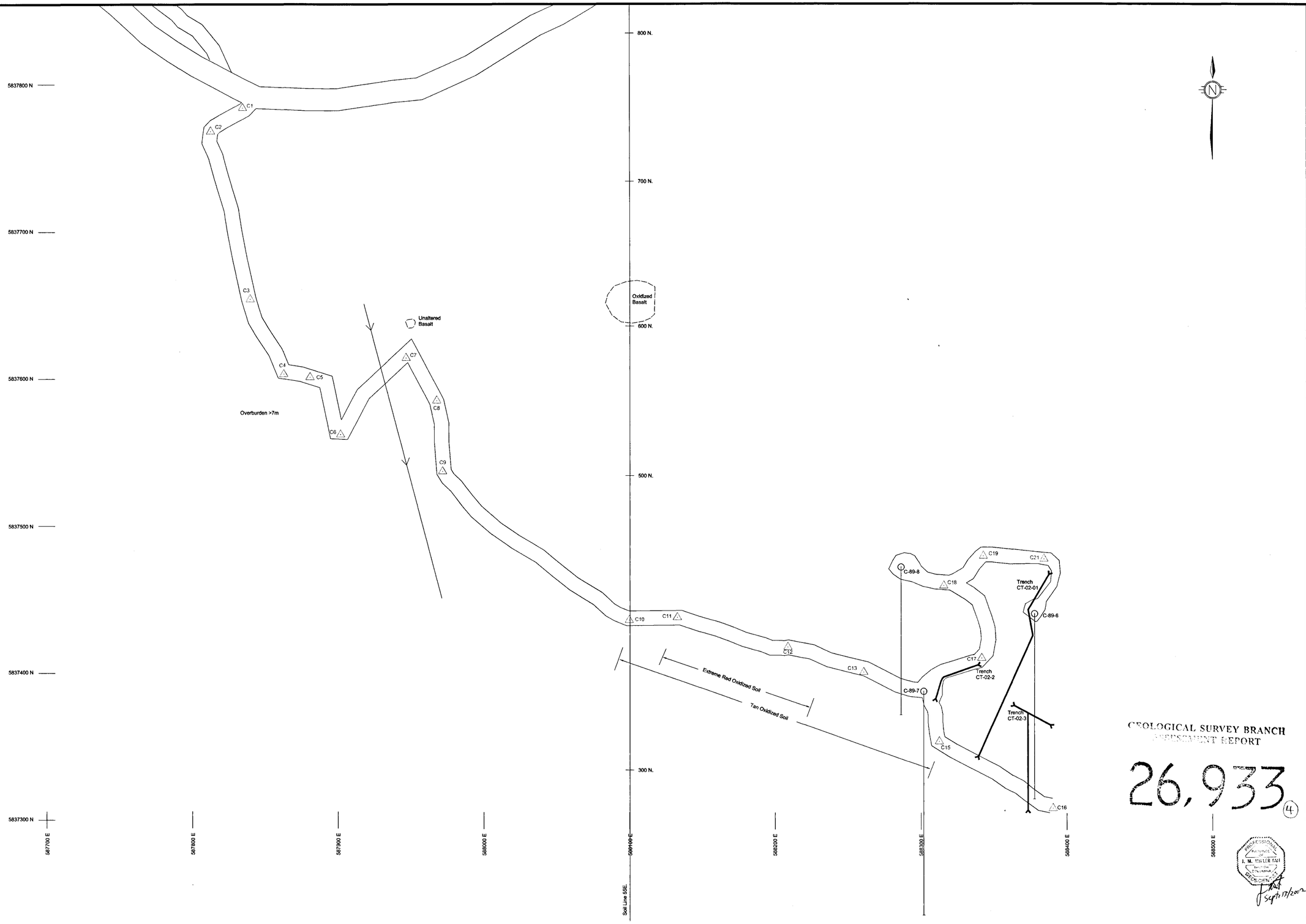
Date of Origin:	September, 2002
Drawn By:	Tindall Geoservices Inc.
Drawing Scale:	1:10,000
File Name:	CaribooProperty.dwg
Date of Last Revision:	09/10/02
Revised by:	M. Tindall

Cross Lake Minerals Ltd.

CARIBOO PROPERTY

PROPERTY GEOLOGY

Date: September, 2002 | Scale: 1: 10,000 | Plan No. CAR-02-5



LEGEND

- Diamond drillhole
- GPS road survey site
- Trench

SCALE 1:1,250

0 25 50 75 m

Notes:

- Map grid is NAD 27 UTM grid system.
- Map north is NAD 27 north.

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

26,933

(4)

Date of Origin:	September, 2002
Drawn By:	Tindall Geoservices Inc.
Drawing Scale:	1:1,250
File Name:	DetailedArea.dwg
Date of Last Revision:	09/12/02
Revised by:	M. Tindall

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
L. M. MILLER TAIT
Sept 13/2002

Cross Lake Minerals Ltd.

CARIBOO PROPERTY

Detailed Trench Plan

Date: September, 2002 | Scale: 1: 1,250 | Plan No. CAR-02-6

5837450 N

5837400 N

5837350 N

5837300 N

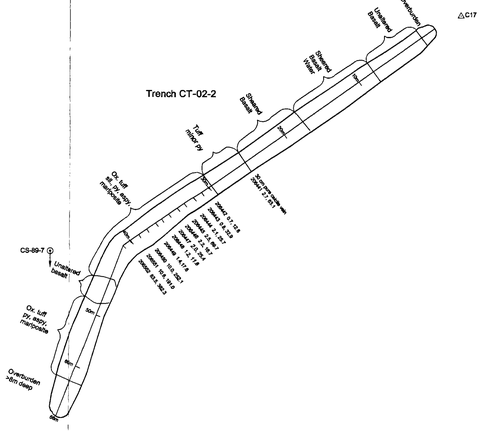
585250 E

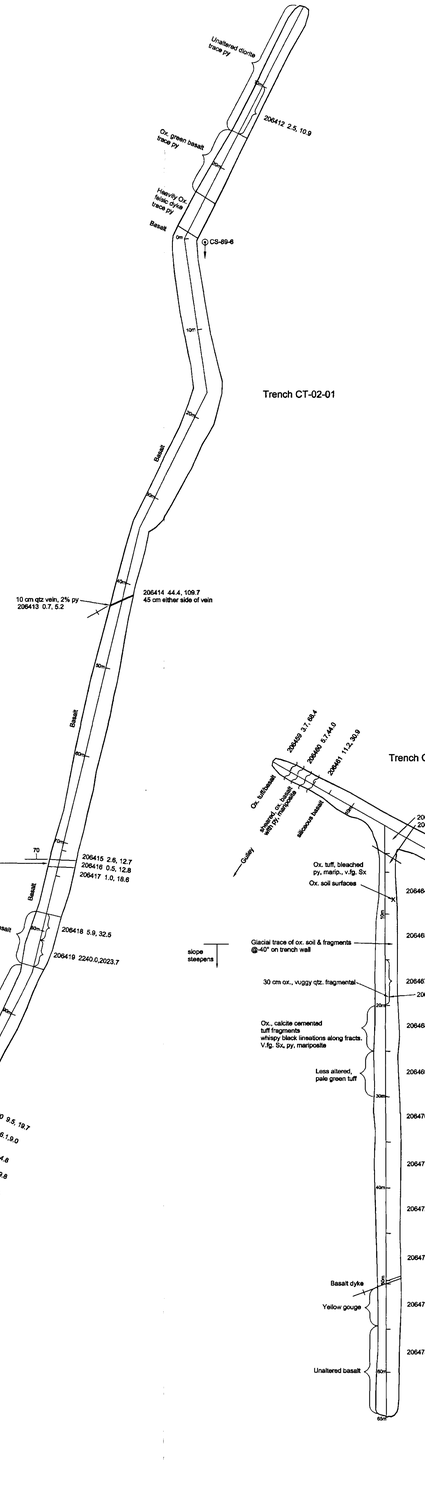
585300 E

585350 E

585400 E

585450 E





LEGEND

- Bedding orientation; Strike and dip angle
- Geologic contact
- Shear/fault zone
- Diamond drillhole
- 206402 375.1,15.8 — Channel sample, gold ppb, arsenic ppm
- sil. — Silicified, silicification
- ox. — Oxidized
- qtz — Quartz
- py — Pyrite
- bo — Bornite
- cpy — Chalcopyrite
- Sx — Sulphide minerals
- marip. — Mariposite
- Ov. — Overburden

SCALE 1:250

0 5 10 15 m

Notes:
- Map grid is NAD 27 UTM grid system.
- Map north is NAD 27 north.

Date of Origin:	September, 2002
Drawn By:	Tindall Geoservices Inc.
Drawing Scale:	1:250
File Name:	CAR-02-7.dwg
Date of Last Revision:	09/10/02
Revised by:	M. Tindall

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

26,933

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA J. M. MILLER 1461 GEOLOGICAL ENGINEER

Sept. 19/2002

Cross Lake Minerals Ltd.

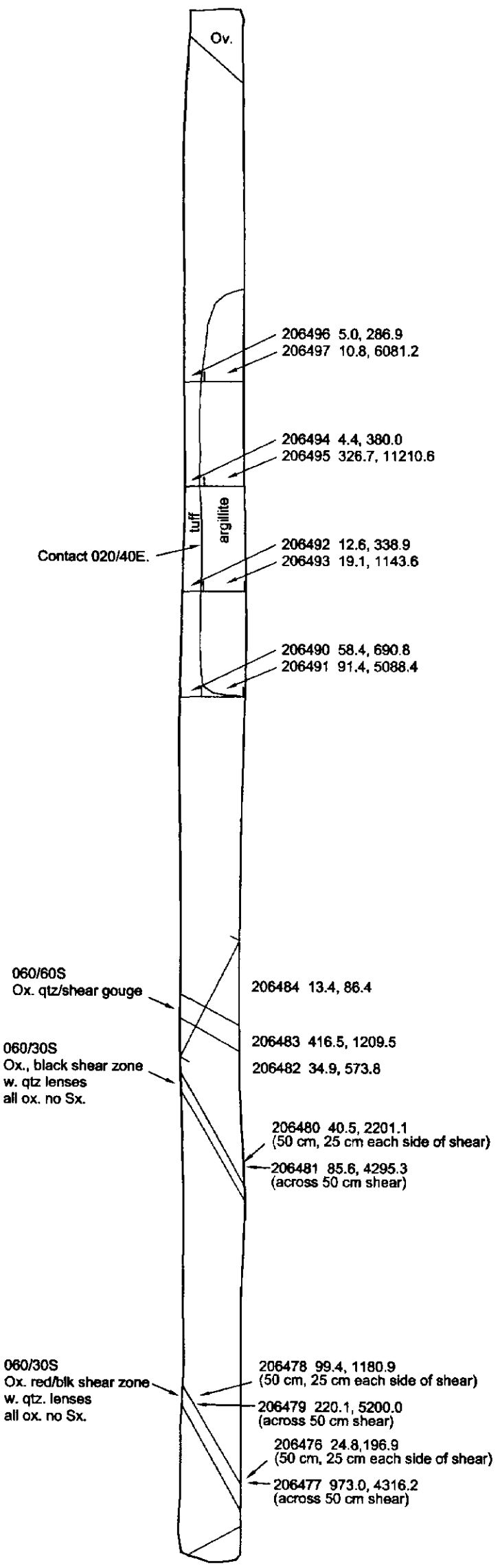
CARIBOO PROPERTY

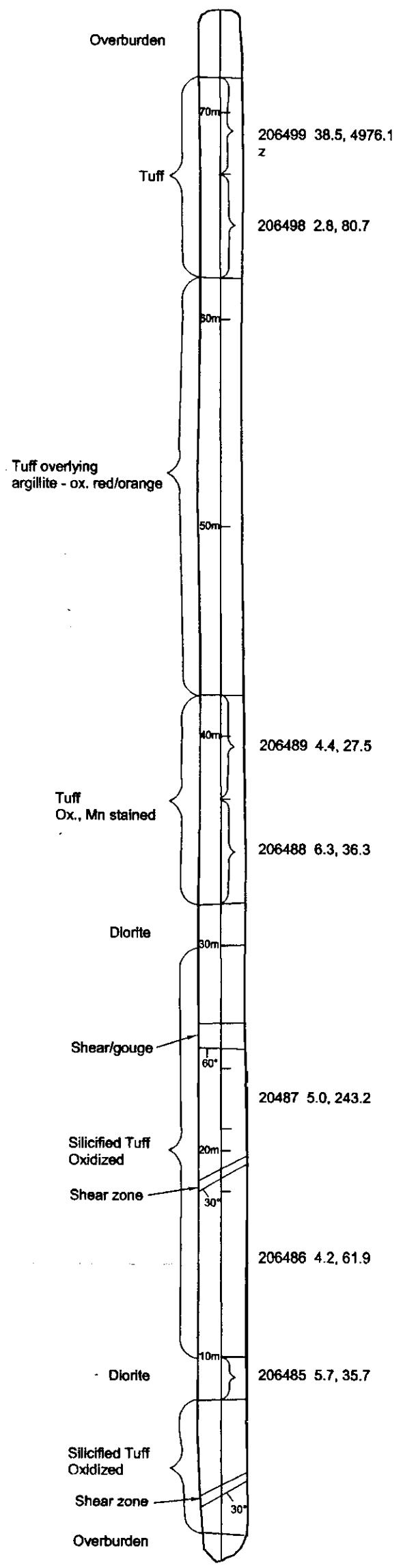
TRENCHES CT-02-1, CT-02-2, CT-02-3

Date: September, 2002 | Scale: 1:250 | Plan No. CAR-02-7

Trench CT-02-4

West Rib





SCALE 1:250

0 5 10 15m

Approx. Location
L62E. 1300N.

PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
J. M. MILLER-TAIT
Sept 13/2002

Abbreviations

py	Pyrite
aspy	Arsenopyrite
Sx	Sulphide minerals
qtz	Quartz
sil.	Siliceous/silicified
ox.	Oxidized
Mn	Manganese

Cross Lake Minerals Ltd.

CARIBOO PROPERTY

TRENCH CT-02-4

Drawing: CT_02_4.dwg		Plan No.
Scale: 1:250	Date: Sept., 2002	CAR-0-8