

SOIL GEOCHEMICAL REPORT

on the

WASI CREEK PROPERTY

OSI 2 and 3 Mineral Claims

Omineca Mining Division

NTS: 94C/03E

B.C. Geographic System Map Sheet: 094C.005, 015

Latitude: 56° 6.0' N; Longitude 125° 2.5' W

UTM: 6 219 000N; 372 500 E; Zone 10

Owner and Operator: Cross Lake Minerals Ltd.

Author: Jim Miller-Tait, P.Geo.

January 10, 2003

**GEOLOGICAL SURVEY BRANCH
ASSESSMENT DIVISION**

27,032

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SECTION A: REPORT**INTRODUCTION:**

Cross Lake Minerals Ltd. owns 100% interest in the Wasi Creek Property. The property was initially acquired in 2000 after a review of prospective areas in British Columbia for carbonate-hosted zinc-lead-silver deposits. The property was staked to cover the previously named Par claims which Cominco Ltd. extensively explored from 1990 to 1995. The Wasi Creek Property is located 150 kilometres northwest of Mackenzie on the south side of the Osilinka River in the Omineca Mining Division. This report summarizes the program of soil and stream sediment sampling that was carried out on the OSI 2 and OSI 3 mineral claims during July 2002. A total of 1350 metres of survey grid was sampled, 55 soil samples being taken. One additional stream sediment sample was also obtained.

PROPERTY:

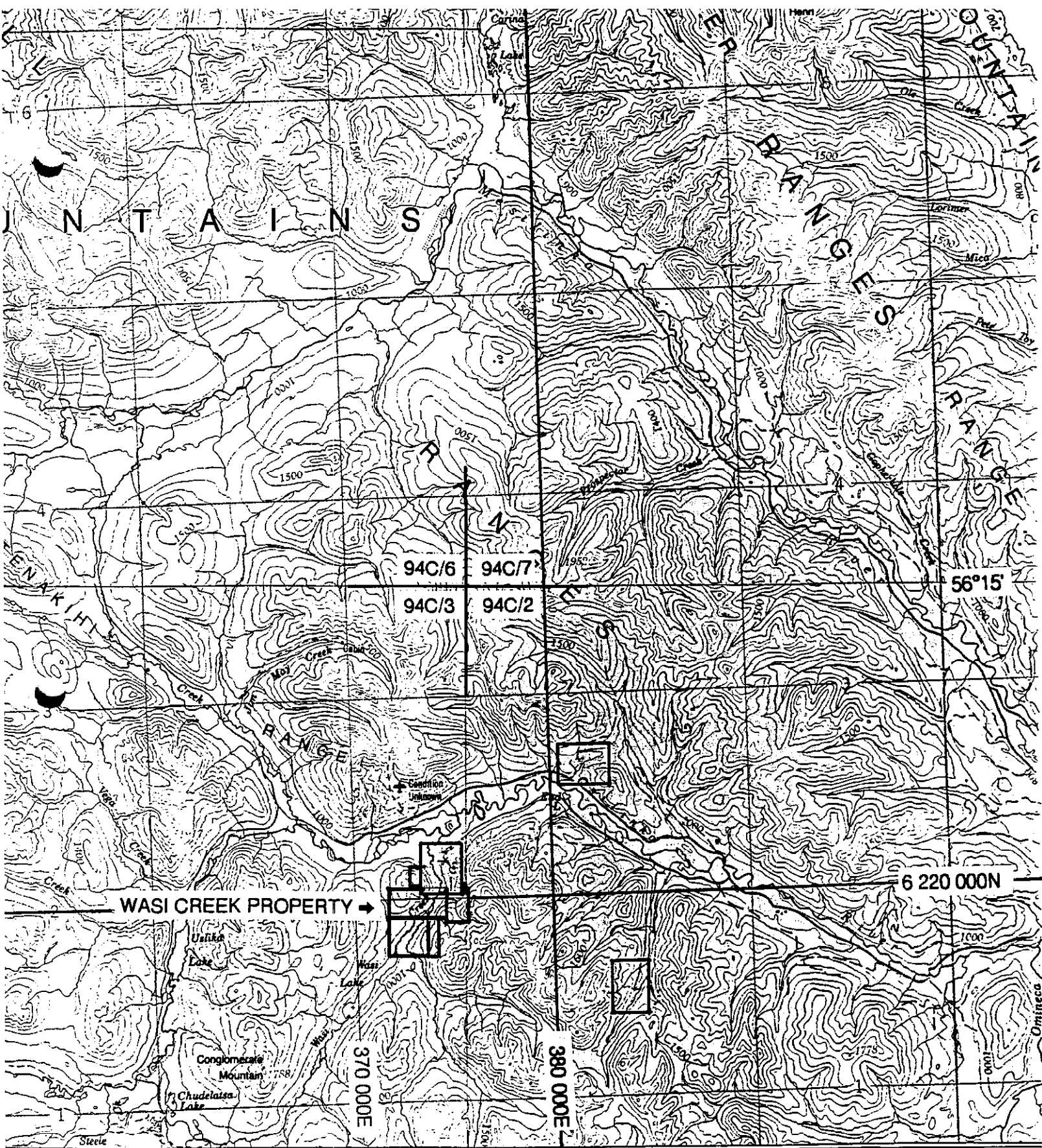
The Wasi Creek Property is 100% owned by Cross Lake Minerals Ltd. and was acquired by staking from July 2000 to October 2001. The Property is located on the south side of the Osilinka River some 150 kilometres northwest of Mackenzie and 43 kilometres north-northwest of Germansen Landing. The claims are situated in the Omineca Mining Division on NTS mapsheet 94C/03E, latitude 56° 7.5' N, longitude 125° 01' W and UTM coordinates of 6 221 500N and 374 500 E in Zone 10. The Property consists of 11 mineral claims totalling 66 units and covering approximately 1,650 hectares. A list of the mineral claims is appended in Section B and they are illustrated on Plan Numbers WA-02-2 and WA-02-3.

LOCATION AND ACCESS:

The Wasi Creek Property is located 150 kilometres northwest of Mackenzie, British Columbia in the Omineca Mining Division. Access to the property is excellent due to extensive logging operations that have been carried out around and on the claims. The easiest access is by using Highway #97 north of Prince George to a small community named Windy Point, 12 kilometres north of the town of McLeod Lake. From Windy Point one drives on the main haulage logging road, which is located on the west side of Williston Lake, north for 170 kilometres, and then west for 22 kilometres to the junction of the Osilinka and Wasi Lake Forest Access roads. Driving another 18 kilometres along the south side of the Osilinka River on the Wasi Lake Forest access road accesses the Wasi Creek claims. There are several secondary forest access roads crossing the claims, which are navigable with a four wheel drive vehicle.

CLIMATE, TOPOGRAPHY AND VEGETATION:

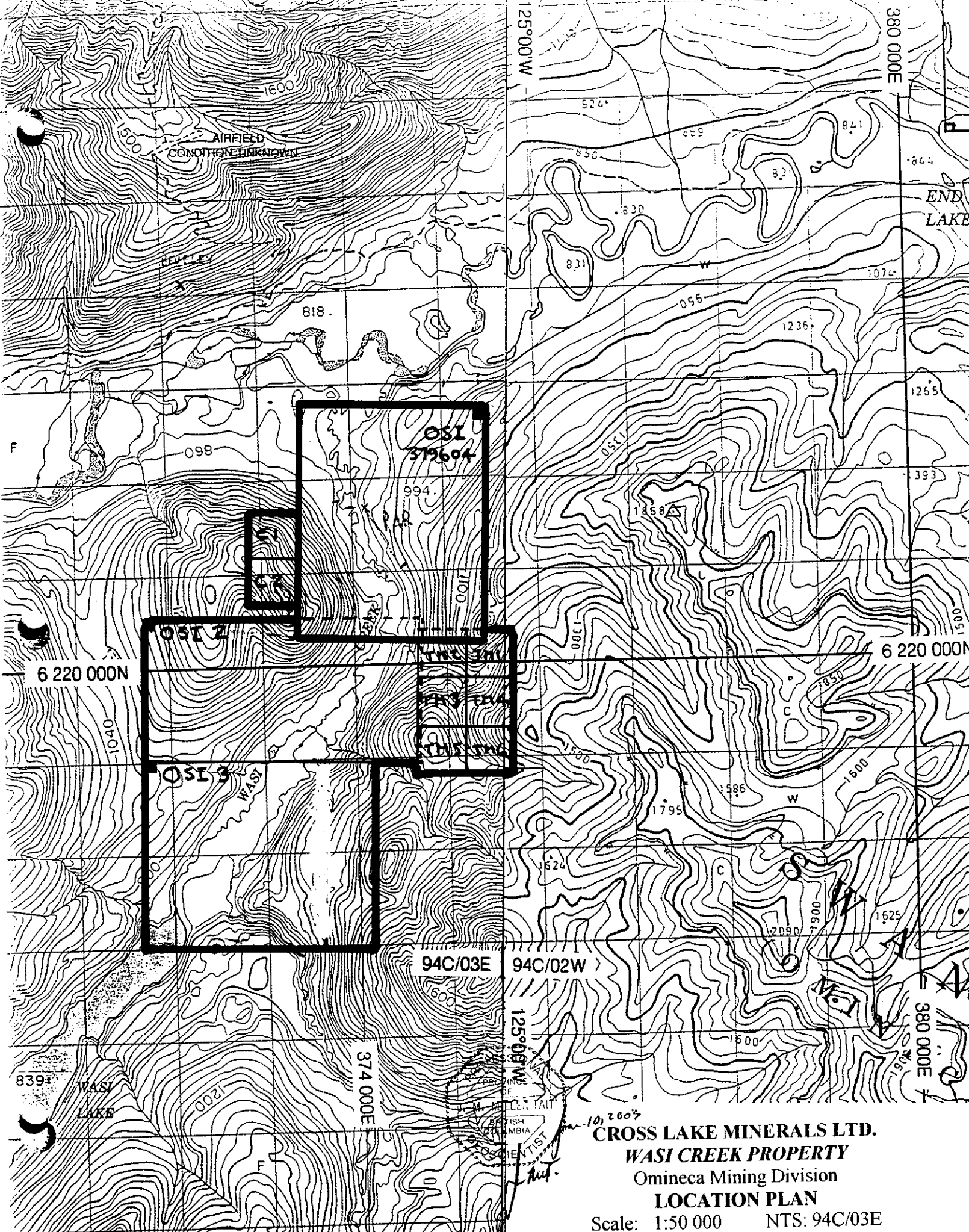
The Wasi Lake area has cold, high snowfall winters and warm, damp summers. The topography of the property is moderately steep with the lowest elevation of 820 metres along the Osilinka River on the northern boundary of the property to 1380 metres on the ridge located along the eastern boundary of the claims. The slopes are heavily timbered by pine and spruce. In the clear cuts deciduous willows and poplars predominate.



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 PROVINCE OF
 J. M. MILLER-TAIT
 BRITISH COLUMBIA
 GEOSCIENTIST
Jan. 10, 2003

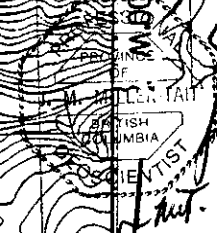
CROSS LAKE MINERALS LTD.
WASI CREEK PROPERTY
 Omineca Mining Division
GENERAL LOCATION PLAN

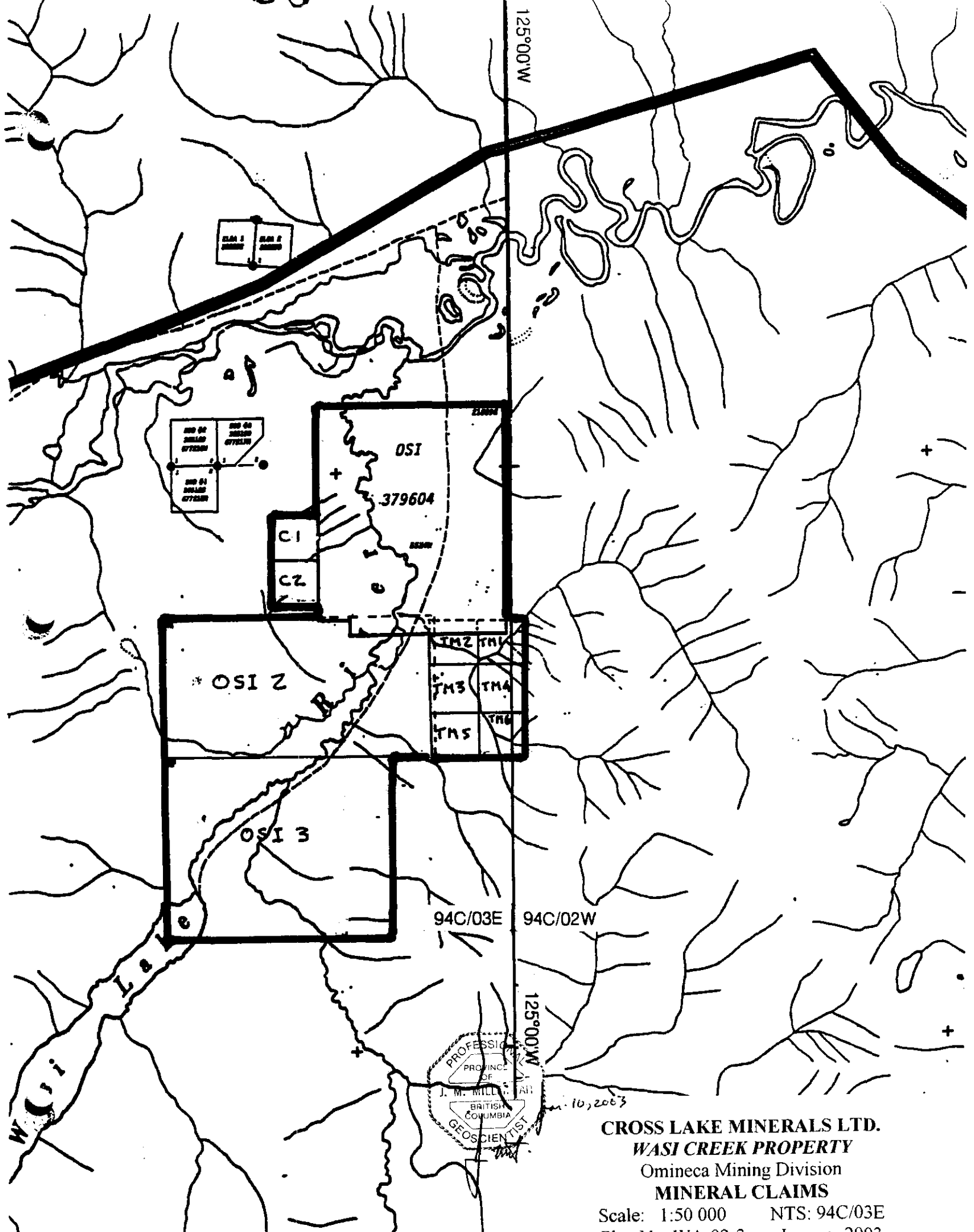
Scale: 1:250 000 NTS: 94C/03E
 Plan No. WA-02-1 January 2003



CROSS LAKE MINERALS LTD.
WASI CREEK PROPERTY
Omineca Mining Division
LOCATION PLAN

Scale: 1:50 000 NTS: 94C/03E
Plan No. WA-02-2 January 2003





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 BRITISH COLUMBIA
 GEOSCIENTIST

10,2003

CROSS LAKE MINERALS LTD.
WASLI CREEK PROPERTY
 Omineca Mining Division
MINERAL CLAIMS

Scale: 1:50 000 NTS: 94C/03E
 Plan No. WA-02-3 January 2003

HISTORY:

The earliest recorded work located in the area was in the Annual Report of the Minister of Mines in 1930 documenting the Weber Prospect, located near the northern edge of the present Wasi Creek Property. The report describes the Weber mineralization as disseminated galena, zinc and pyrite in siliceous dolomite of which a 5.18 metre channel sample assayed 3.6% zinc, 1.6% lead, 1oz/ton silver and 0.02oz/ton gold.

The Weber Prospect was restaked and worked at intermittent intervals with the next documented description occurring in the 1954 Geological Survey of Canada Memoir 274, by E.F. Roots entitled "Geology and Mineral Deposits of Aiken Lake Map-Area, British Columbia". He describes the showing as pyrite-galena-sphalerite-barite replacement body in limestone that strikes north 30 degrees west and dips 80 degrees northeast. A grab sample assayed gold trace; silver 2.0oz/ton; lead 10.24% and barite 4.06%.

An inventory of the numerous carbonate-hosted stratabound zinc, lead, silver and barite showings in the Wasi Creek area is well described in British Columbia Department of Mines Open File Paper 1992-1. The paper is named "Geology of the Usilika Lake Area, Northern Quesnel Trough, B.C.", (94C/3, 4, 6) by F.Ferri, S. Dudka and C. Rees.

In 1990 Cominco Ltd. completed a reconnaissance silt and soil geochemical survey on the stratigraphic extensions of the Lower Cambrian to Middle Devonian carbonates that host the known mineral occurrences. The area around the Weber Prospect was highly anomalous so Cominco staked their first two claims covering this prospect and the anomalous areas. Cominco then completed contour and grid soil sampling and outlined a large, highly anomalous area 1.0 by 4.5 kilometres in size in lead, zinc, iron and silver and staked five additional claims.

Cominco Ltd. completed an intense exploration program during 1991. The exploration program consisted of geological mapping, soil sampling, airborne electromagnetic and magnetometer surveys, ground geophysical surveys including HLEM, magnetometer, Induced Polarization and VLF surveys. A trenching program was completed on the target area of the large soil geochemical anomaly and the coincident conductors. There were seven trenches excavated with the best mineralization discovered in trench #3 that assayed 8.4% zinc, 3.5% lead and 14.2g/t silver over a width of 17.2 metres.

In 1992 Cominco Ltd. completed 16 diamond drill holes totalling 1,346 metres in the area of the trenching. The strike length explored is approximately 2.0 kilometres along a fault controlled base metal mineralized structure, on the east side of Wasi Creek. The work was not filed for assessment credit so there are no records of the results in the provincial data base.

In 1993 Cominco drilled four holes on the north side of the Osilinka River on a separate area and one hole in the Wasi Creek area in the vicinity of the 1992 drilling. The drill hole was collared near the Duncan Showing and was successful in intersecting two mineralized horizons that assayed 6.9% zinc, 1.6% lead and 18.4g/t silver over a width of 4.5 metres and 3.1% zinc, 3.2% lead and 32.0g/t silver over a width of 3.1 metres.

In 1994 Cominco constructed more drill access roads and sites and completed four holes totalling 1,164 metres, including two vertical holes drilled possibly to complete stratigraphic sections on either side of the fault controlled mineralization.

Cross Lake Minerals Ltd. acquired the property when the claims came open in 2000 and in 2001 carried out a program of geological mapping, stream sediment sampling and trenching.

REGIONAL GEOLOGY:

The following regional geological description has been compiled from papers in the British Columbia Geological Survey Branch Reports of Geological Fieldwork in 1989 and 1991. The Wasi Creek Property is located in an area that straddles the boundary between the Intermontane and Omineca tectostratigraphic belts of the Canadian Cordillera. The Western Intermontane Superterrane is represented by the Slide Mountain and Quesnel terranes. Together with the eastern autochthonous North American stratigraphy, these rocks form part of a southwest-dipping homoclinal sequence. This sequence has been cut by a series of normal faults, which trend northeasterly. With the exception of the eastern pericratonic strata all of the rocks have been weakly metamorphosed.

The Wasi Creek Property is underlain by the pericratonic North American rocks of primarily carbonates and siliciclastics of miogeoclinal origin. These rocks include the Upper Proterozoic Ingenika Group consisting of impure quartzite, schist, phyllite, limestone, feldspathic wacke and arkosic sandstone. Overlying this Group is the Lower Cambrian to Middle Devonian Atan, Razorback, Echo Lake and Otter Lake Groups. These Groups consist of limestone, dolomite, shale, quartzite, and argillaceous limestone.

The Lower Cambrian to Middle Devonian limestone and dolomite host the zinc, lead and silver mineralization on the Wasi Creek Property.

PROPERTY GEOLOGY:

The Wasi Creek Property geology is a compilation from Cross Lake Minerals Ltd.'s 2001 exploration work, Cominco Ltd.'s 1990-1995 exploration programs and mapping completed by the British Columbia Geological Survey as described in File Paper 1992-1. The paper is named

“Geology of the Usilika Lake Area, Northern Quesnel Trough, B.C.”, (94C/3, 4, 6) by F.Ferri, S. Dudka and C. Rees. The geological stratigraphy underlying the property are all Paleozoic in age ranging from Lower Cambrian to Mississippian.

The oldest rock units exposed in the claim area are the Lower Cambrian to Middle Devonian carbonates. The oldest is the Lower Cambrian Mount Kison Formation of the Atan Group.

Overlying this unit are the Cambrian and Ordovician Razorback, Middle Ordovician to Lower Devonian Echo Lake Group and Middle Devonian Otter Lakes Group. This entire carbonate package consists of limestone, dolomite, lesser shale, quartzite and argillaceous limestone. The Atan and Razorback Groups are host to the mineralization on the Wasi Creek Property.

Overlying the carbonates is the Upper Devonian to Lower Mississippian aged Big Creek Group.

This Group consists of dark grey to blue grey shales, argillites and minor siltstones and siltite.

The next oldest unit, the only major volcanic rock unit observed on the claims, is the Lower Mississippian-aged Dacitic Tuff Unit of the Lay Range Assemblage. This thick unit is only exposed on the northwest side of a major geological structure which is postulated to occur in the valley bottom of Wasi Lake and Wasi Creek. The rest of the Lay Range Assemblage is absent in the Wasi Creek Area.

Across Wasi Creek Valley, on the southeast side, is the youngest, Pennsylvanian-aged, Mount Howell Formation. This Formation consists of argillite, chert, gabbro and minor basalt, wacke and felsic tuff.

There are numerous carbonate-hosted zinc-lead-silver showings on the Wasi Creek Property but only the main showings, with the largest amount of exploration work will be discussed in this report. Three of the showings, the Duncan, Par and the Weber, that comprise the Par mineralization which was the main focus of Cominco Ltd. are located from south to north over a

two kilometre strike length. These showings are located along a fault structure, which may be the conduit of the mineralizing solutions and which strikes at approximately 330 degrees and dips east at 70 degrees. The fault and the three showings are all located on the east side of the major structural lineament located along the valley bottom of Wasi Creek and Lake. Cominco Ltd. completed the bulk of their exploration work in this area by completing the airborne and ground surveys, seven excavator trenches and 21 diamond drill holes exploring these mineralized structures. The mineralization is stratabound with most primary features obliterated by deformation. The sulphides consist of sphalerite, galena, pyrite and traces of tetrahedrite and grain size varies from fine grained at the Duncan showing to coarse-grained.

The Carrie 2 showing is located on the west side of the Wasi Valley structure near the northwest edge of the property. The showing was hand trenched, mapped and sampled by Cross Lake Minerals Ltd. during 2001. The mineralization consists of hydrozincite stained, oxidized, disseminated, fine-grained sphalerite, galena and pyrite hosted in brecciated dolomite and limestone with carbonate in-filling of fractures and open space.

One of the main reasons that Cross Lake Minerals Ltd. staked the Wasi Creek Property was to explore for the source of high grade massive sulphide boulders which were discovered during Cominco Ltd.'s trenching program in 1991. The sulphide boulders, 70 centimetres in size and angular, consist of layered massive sulphides consisting of galena, sphalerite and pyrite. Cross Lake assayed two of these angular boulders with the following results:

Sample Number	Zn (%)	Pb (%)	Ag (g/t)
W-1	26.30	25.98	96.3
W-2	8.46	42.43	384.8

None of the drilling or trenching to date has intersected mineralization similar to the high grade boulders.

STREAM SEDIMENT SAMPLING RESULTS:

Stream sediments in the Wasi Creek area were sampled by the British Columbia Geological Survey in 1991 and the results are detailed in Open File 1992-11. There were four samples that were collected in the Wasi Creek Property area that are the highest in indicator and base metal elements minerals for the entire survey area. The stream sediment sample numbers are SS-018, SS-130, SS-203 and SS-304. The base metal source for the three anomalous samples, SS-018, 130 and 203, are most likely the Duncan and Par mineralized horizons on the east side of Wasi Creek. The sediment samples were collected from streams draining the basins where the mineralization is located.

The stream sediment sample SS-018, the highest in base metal elements of all of the stream sediment samples, was collected from a stream on the west side of Wasi Creek and south of any known mineralization. This stream is located near the volcanic tuff contact on the west side of the major structure located in the valley of Wasi Creek. This is an excellent geological environment for base metal deposition and a high priority target area for the possible source of the high grade base metal float boulders that were discovered when Cominco Ltd. was trenching. This area is also upstream and up-ice from the trenched area.

In July 2002, as a result of this base metal stream sediment anomaly for which the source is unknown, Cross Lake Minerals Ltd. sampled the same drainage in order to verify the earlier result. The new sample was, however, taken approximately 750 metres upstream to the west from the B.C. government sample site location SS-018. The sediment sample was collected by

using a long-handled shovel to collect stream sediment and then the sediment was screened through a -10 mesh screen. Approximately one kilogram of the screened sediment was collected and placed into a plastic sample bag and shipped to Acme Analytical Laboratories in North Vancouver for analysis. Sample number WS-1 was located on the OSI 2 mineral claim at approximate NAD 27 UTM coordinates 6 219 053 N, 371 988 E at an elevation of 967 metres and its location is shown on Plan No. WA-02-5. The sample was lower in base metal values than the B.C. government sample so further any exploration should be concentrated downstream towards the B.C. government sample site. The analytical report for WS-1, Certificate of Analysis #A202456, is appended in Section D.

SOIL SAMPLING RESULTS:

A total of 55 soil samples were collected in a series labeled W-1 to W-48 and W-50 to W-56. Each soil sample was collected by shovel from the B-horizon 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 in Vancouver, B.C. for analyses by the ICP-MS analytical process. The analytical report, Certificate of Analysis #A202455, is appended in Section D.

The soil sampling program was designed to test both sides of an unnamed stream that was highly anomalous in base metal elements when sampled previously by the B.C. Geological Survey. Therefore, two east-west lines, designated Line #1 and #4, parallel to and approximately 100 metres on either side of the creek, were sampled at 25 metre intervals. Two additional lines, designated Line #2 and #3 were sampled in a southerly and northerly direction from where the creek meets the main Wasi Creek drainage valley, again at 25 metre sample intervals. The total

length of the grid line surveyed was 1350 metres. The survey lines and sample locations are shown on Plan No. WA-02-5.

The sampling program was successful in delineating two areas of anomalous base metal elements. The first area is located on the Line #2 with sample nos. W-23 to W-29 elevated in zinc, lead, copper, molybdenum, silver and cadmium. This anomaly remains open to the south. The second area, with the highest values in base metal signature, is located on the Line #3 with sample nos. W-37 to W-39 all being highly anomalous in zinc, lead, copper, nickel, cadmium, calcium and boron. This anomaly remains open to the north. The significance of boron is unknown to the author at this time. The geochemical soil profiles for four main elements (cadmium, copper, lead and zinc) on Lines 1 to 4 are illustrated on Plan No. WA-02-6.

CONCLUSIONS:

- The Wasi Creek Property, owned 100% by Cross Lake Minerals Ltd., covers an extensive belt of Lower Cambrian to Middle Devonian limestone and dolomite which is the host to several base metal showings.
- Access to the property is excellent due to the extensive logging that has occurred on and around the claims.
- There are three mineralized showings on the east side of Wasi Creek. The valley bottom of the creek hosts a major geological structure.
- The three showings from south to north, named Duncan, Par and Weber, are all on the same mineralized fault controlled structure which strikes at approximately 330 degrees and dips east at 70 degrees.

- This area was the focus of Cominco Ltd.'s extensive exploration programs from 1990 to 1995. The trenching and drilling intersected the favorable base metal horizon with promising results.
- The Cominco trenching discovered angular float boulders of exceptional grade in zinc, lead and silver of which the source has not been found.
- The British Columbia Geological Survey completed a stream sediment sampling program in the area and the four highest sediment values in base metal elements were collected from drainages in the Wasi Creek Property area.
- The source of three of the stream sediment samples are concluded to have been the known mineralized horizon on the east side of the Wasi Creek structure.
- One of the highest stream sediment samples was collected from a tributary on the west side of Wasi Creek, the opposite side of the Wasi Creek structure near a volcanic tuff unit contact, a favorable geological environment for base metal deposition.
- The source of the stream sediment anomaly has not been discovered and it is upstream and up-ice of the extremely high grade angular massive sulphide boulders discovered in Cominco's trenching program of which the source has yet to be found.
- The soil sampling completed in 2002 outlined two areas, which are both still open, with highly anomalous values in base metal elements.

RECOMMENDATIONS:

The Wasi Creek Property covers a favorable geological environment for the possibility of a discovery of a significant carbonate-hosted zinc-lead-silver deposit. The property covers a large area with targets at different stages of exploration.

The Carrie 2 showing should have a road constructed to it and the showing extensively trenched up and down the slope. Once the geometry of the mineralization is verified the base metal target should be diamond drilled.

The main two kilometre long Duncan, Par and Weber horizon should be explored on its west side, closer to the structure along the bottom of Wasi Creek valley. There should be drilling completed in a westerly direction under Wasi Creek to test if this Wasi Creek structure is mineralized as is the fault controlling the Duncan, Par and Weber mineralization.

By using soil geochemical sampling the 2002 exploration program was successful in delineating two areas prospective for base metals. These two areas of sampling should be tested further due to the fact that both areas are "open" for expansion and the anomalies are not "closed off".

Therefore, a program of additional soil sampling, prospecting and geological mapping is recommended up-slope and along the west side of the Wasi Creek valley in a northern and southern direction from the two anomalous areas. This would delineate the dimensions of the anomalies and then the area should be trenched using a CAT 320 excavator or size equivalent.

Respectfully submitted,



Jim Miller-Tait, P. Geo.



Feb. 10, 2003

LIST OF REFERENCES:

Ferri F., Dudka S., Rees C., (1992): Geology of the Usilika Lake Area, Northern Quesnel Trough, B.C. (94C/3, 4, 6). British Columbia Geological Survey Geological Fieldwork 1991, Paper 1992-1.

Ferri F., Dudka S., Rees C., Meldrum D., Willson M., (1992): Geology, Geochemistry and Mineral Occurrences of the Usilika Lake Area, B.C. (94C/3, 4 and 6). British Columbia Geological Survey Open File 1992-11.

Gabrielse, H., Unpublished GSC Map of the Mesilinka Map Area, 94C.

Mansy, J.L. and Gabrielse. (1978): Stratigraphic Terminology and Correlation of Upper Proterozoic Rocks in Omineca and Cassiar Mountains, North-Central B.C., GSC Paper 77-19.

Melville D.M. (1990): Carbonate-Hosted Lead-Zinc Occurrences in the Germansen Landing and End Lake Areas (94C/2, 93N/15). British Columbia Geological Fieldwork Exploration in British Columbia 1989, Pages 193 to 196.

Miller-Tait, J. (January 2002): Geological Report on the Wasi Creek Property, OSI Mineral Claim, for Cross Lake Minerals Ltd.; NTS 94C/3E; B.C. Assessment Report #26,827

Roots, E.F., (1954): Geology and Mineral Deposits of the Aiken Lake Map Area, B.C., GSC
Memoir 274.

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 the owner and operator of the property.



Jim Miller-Tait, P. Geo. Jan. 10, 2003

SECTION B: PROPERTY

WASI CREEK	SCHEDULE OF MINERAL CLAIMS		
PROVINCE: British Columbia	CLAIMS: 11	UNITS: 66	AREA: 1650 ha
MINING DIVISION: Omineca	NTS: 94C/03E		BCGS: 094C.005, 015
LOCATION: on the south side of the Osilinka River some 200 km northeast of Smithers, 150 km northwest of Mackenzie and 43 km north northwest of Germansen Landing	LATITUDE: 56° 7.5'		LONGITUDE: 125° 01'
	UTM: ZONE 10	6 221 500N	374 500E
MAP SHEET (1:250 000): 94C - Mesilinka River (1:50 000): 94C/03 - Uslika Lake	PROPERTY INTEREST: Cross Lake Minerals Ltd. - 100%		

CLAIM NAME	TENURE NUMBER	UNITS	RECORD DATE (yyyy-mm-dd)	DUE DATE (yyyy-mm-dd)	ANNUAL WORK REQUIRED	RECORDED HOLDER
OSI	379604	20	2000-07-25	2005-07-25	\$4000.00	Cross Lake Minerals Ltd.
TM 1	386919	01	2001-05-28	2005-05-28	200.00	Cross Lake Minerals Ltd.
TM 2	386920	01	2001-05-28	2005-05-28	200.00	Cross Lake Minerals Ltd.
TM 3	386921	01	2001-05-28	2005-05-28	200.00	Cross Lake Minerals Ltd.
TM 4	386922	01	2001-05-28	2005-05-28	200.00	Cross Lake Minerals Ltd.
TM 5	386923	01	2001-05-28	2005-05-28	200.00	Cross Lake Minerals Ltd.
TM 6	386924	01	2001-05-28	2005-05-28	200.00	Cross Lake Minerals Ltd.
C 1	387799	01	2001-07-01	2005-07-01	200.00	Cross Lake Minerals Ltd.
C 2	387800	01	2001-07-01	2005-07-01	200.00	Cross Lake Minerals Ltd.
OSI 2	390515	18	2001-10-19	2004-10-19	1800.00	Cross Lake Minerals Ltd.
OSI 3	390516	20	2001-10-19	2003-10-19	2000.00	Cross Lake Minerals Ltd.
		66			\$9400.00	

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
2001-01-24	2000.00	2000.00	0	0	-	2001-01-24	3159811
2002-03-26	Notice to Group		0	0	-	2002-03-26	3177258
2002-03-26	9539.53	9500.00	0	39.53	-	2002-07-31	3177259
2002-09-23	5062.96	5062.96	1437.04	-	-		3184393

SECTION C: EXPENDITURES – Wasi Creek Property

Item	Work Performed	Quantities / Rates	Amount
Project Geologist: J. Miller-Tait, P.Geo., Sikanni Mine Development Ltd.	Soil and stream sediment sampling and mapping. Period: Jul 14-19, 2002	5.5 days @ \$374.50	\$2059.75
Transportation: Vancouver to property, onsite and return	4x4 pickup trucks: Period: Jul 14-19, 2002	5.5 days @ \$75.00 Fuel	412.50 <u>206.40</u> 618.90
Accommodation and Meals	Period: Jul 14-19, 2002		440.38
Field Supplies	Camp materials and sampling supplies for the period: Jul 14-19, 2002		145.88
Analytical Services: Acme Analytical Laboratories Ltd.	ICP-MS 35 element analyses	57 samples @ \$11.834	674.55
Report Preparation:	J. Miller-Tait, P.Geo.	3 days @ \$374.50	1123.50
Printing: Kinko's Copy Centre	Map reproduction		23.80
Total			\$5086.76

Expenditure Apportionment:

Claim	Samples	% of Total	Expenditure
OSI 2	27	48.21	\$2452.33
OSI 3	29	51.79	\$2634.43
Total	57	100.0	\$5086.76

SECTION D: ANALYTICAL RESULTS

1. Analyses carried out by Acme Analytical Laboratories Ltd. of Vancouver, B.C.
 - Certificate of Analysis #A202455 dated July 31, 2002
 - Certificate of Analysis #A202456 dated July 31, 2002
 - Statement of Analytical Procedures



GEOCHEMICAL ANALYSIS CERTIFICATE

AUG 07 2002



Cross Lake Minerals File # A202455 Page 1
240 - 800 W. Pender St., Vancouver BC V6C 2V6 Submitted by: Jim Miller-Tait

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	
G-1	1.2	2.0	2.9	42	<.1	4.1	3.8	517	1.84	<.5	2.8	1.9	4.8	87	<.1	<.1	.2	40	.58	.085	9	12.3	.55	255	.138	2	1.01	.157	.64	2.3	<.01	5.6	.4	<.05	6
W-1	.8	12.2	9.9	85	.1	14.0	7.0	513	2.88	3.4	.4	1.2	2.8	23	.3	.4	.1	83	.27	.103	11	27.8	.35	127	.049	<1	2.02	.008	.05	.2	.02	2.8	.1	<.05	7
W-2	.7	8.6	9.4	90	.1	13.3	5.8	188	2.39	2.3	.4	5.4	2.9	26	.2	.3	.1	72	.29	.082	13	25.6	.33	125	.053	<1	1.77	.007	.04	.1	.05	2.9	.1	<.05	7
W-3	1.1	21.8	10.8	105	.2	21.7	8.1	230	2.94	5.4	.5	1.8	3.5	26	.4	.6	.1	79	.29	.115	14	31.5	.44	150	.051	<1	1.91	.011	.07	.1	.04	3.6	.1	<.05	6
W-4	.7	20.5	10.7	68	.3	19.1	6.4	221	3.39	5.5	.4	<.5	2.7	25	.3	.4	.1	94	.29	.526	10	35.2	.30	215	.047	2	2.16	.009	.05	.1	.02	3.6	.1	<.05	7
W-5	1.3	15.7	12.1	91	.2	14.3	6.3	225	3.74	6.1	.4	1.6	2.6	26	.3	.7	.2	109	.32	.223	11	33.6	.37	136	.053	<1	1.87	.008	.06	.1	.02	3.4	.1	<.05	9
W-6	.9	7.6	7.5	39	.1	4.7	2.8	297	1.42	.7	.3	1.1	2.1	29	.2	.3	.1	56	.35	.030	13	13.6	.11	115	.069	1	.65	.008	.08	.1	.03	1.8	.1	<.05	4
W-7	.9	8.1	9.1	51	.2	9.1	5.5	238	2.09	1.3	.3	82.1	1.9	41	.2	.3	.1	75	.49	.023	11	21.2	.24	295	.059	<1	1.14	.032	.07	.1	.01	2.2	.1	<.05	5
W-8	1.6	8.6	8.9	44	.1	8.1	3.6	142	2.55	3.4	.3	1.5	2.0	30	.3	.4	.1	104	.35	.046	11	23.0	.19	108	.084	1	1.02	.012	.06	.1	.02	2.2	.1	<.05	7
W-9	2.8	16.7	23.2	364	.3	22.5	9.0	269	3.90	5.3	.8	14.1	2.4	36	2.5	.9	.1	125	.45	.296	9	36.5	.41	191	.065	<1	1.74	.013	.07	.2	.06	3.2	.1	<.05	7
W-10	2.1	13.1	19.7	469	.3	16.8	7.6	693	4.26	4.5	.5	2.9	2.8	34	7.0	.5	.1	115	.39	.619	9	34.1	.35	587	.059	<1	2.06	.011	.07	.2	.04	3.6	.1	<.05	8
RE W-10	2.0	13.3	20.3	484	.3	16.2	8.0	700	4.18	4.2	.6	.8	2.9	34	7.2	.5	.1	110	.42	.643	9	34.4	.36	604	.051	<1	2.08	.009	.06	.2	.08	3.8	.1	<.05	8
W-11	4.7	10.0	25.8	409	.2	21.4	5.5	143	2.37	3.2	1.1	<.5	2.3	59	2.7	.7	.1	106	.42	.275	13	25.3	.27	405	.047	<1	1.34	.007	.07	.2	.02	3.3	.3	<.05	7
W-12	5.1	11.1	36.5	785	.4	30.9	9.2	295	2.86	3.7	1.7	1.1	2.9	88	5.5	1.6	.2	159	.45	.279	11	29.0	.37	1022	.048	1	1.13	.006	.12	.3	<.01	2.8	.6	<.05	6
W-13	5.6	39.3	41.8	440	.5	35.3	11.3	375	2.91	9.2	1.6	1.3	3.8	100	2.3	2.2	.2	136	.43	.285	14	26.6	.32	832	.034	2	1.23	.006	.15	.2	.01	2.5	.5	<.05	5
W-14	4.1	44.9	26.7	455	.3	40.7	11.1	484	3.36	9.4	1.5	4.0	4.0	120	2.7	1.5	.1	107	.59	.274	14	29.0	.46	956	.041	2	1.35	.007	.12	.2	.11	3.0	.4	<.05	5
W-15	3.4	16.4	58.7	873	.5	25.7	9.6	835	2.70	4.1	1.0	3.8	2.6	63	6.8	1.0	.1	112	.47	.181	13	28.2	.32	669	.041	1	1.30	.008	.09	.1	.07	3.1	.3	<.05	5
W-16	16.4	24.0	252.2	1651	.4	56.5	7.5	171	2.67	14.6	2.7	.5	2.5	78	4.8	4.2	.1	206	.49	.097	13	32.6	.54	531	.039	1	1.69	.007	.10	.4	.06	3.0	1.3	<.05	7
W-18A	3.9	13.9	42.3	527	.3	20.5	5.5	188	2.49	5.6	.8	1.6	2.4	51	4.8	1.0	.1	112	.41	.113	12	26.5	.36	292	.058	<1	1.22	.011	.07	.2	.02	2.6	.3	<.05	6
W-18B	16.8	20.9	138.7	1640	.3	61.7	9.3	342	2.87	17.3	4.3	.7	2.8	98	7.3	3.8	.1	239	.38	.202	17	31.7	.32	738	.026	2	1.28	.006	.16	.6	.01	3.0	1.3	.06	5
W-20A1	11.4	63.2	97.4	1337	.2	95.6	9.6	270	3.55	24.5	3.1	1.2	4.9	211	3.4	4.5	.2	183	.66	.370	17	31.9	.50	704	.035	3	1.66	.007	.21	.4	.03	3.1	1.0	<.05	5
W-20B	3.1	7.1	40.5	431	.2	13.0	5.2	219	1.76	1.5	.7	.9	1.9	43	3.6	1.0	.1	114	.40	.075	14	21.3	.22	457	.041	<1	1.09	.007	.13	.2	.01	2.5	.3	<.05	6
W-21	14.7	20.6	84.4	617	.4	49.7	4.3	147	2.97	20.1	2.0	1.8	1.4	44	2.8	5.5	.2	282	.36	.124	14	33.7	.26	309	.043	<1	1.19	.007	.09	.4	.04	3.3	.9	<.05	7
W-22	7.6	22.5	84.5	552	1.0	33.7	8.0	860	2.57	7.6	1.5	1.1	1.8	57	5.7	2.1	.2	156	.45	.133	14	30.2	.33	564	.083	<1	1.40	.021	.12	.3	.03	3.1	.7	<.05	7
W-23	9.5	20.3	92.6	1072	.7	50.8	9.4	796	2.98	13.1	1.6	1.0	2.0	56	5.6	2.5	.1	218	.52	.211	12	38.1	.38	567	.053	<1	1.69	.008	.10	.3	.07	3.9	.9	<.05	7
W-24	15.4	39.3	272.6	1494	1.0	60.2	7.5	234	4.02	21.3	4.7	1.3	3.4	115	6.5	6.3	.2	175	.64	.482	15	35.4	.40	501	.028	<1	1.58	.006	.16	.4	.03	3.1	1.0	<.05	5
W-25	20.6	29.7	238.6	1335	1.0	63.0	7.8	374	4.01	26.9	5.0	1.9	3.2	80	5.8	6.3	.1	251	.44	.318	12	56.3	.54	599	.047	<1	1.78	.012	.15	.5	.07	4.6	1.4	.10	6
W-26	18.6	39.8	187.3	1156	.6	77.5	7.2	237	3.02	22.6	4.3	<.5	3.7	97	5.5	7.2	.2	246	.46	.229	20	40.7	.35	591	.029	1	1.12	.005	.20	.4	.07	2.9	1.5	<.05	4
W-27	33.8	80.3	237.4	1152	1.1	75.9	5.4	235	5.42	41.0	13.0	2.6	4.0	179	4.0	10.0	.2	261	.27	.437	15	56.2	.43	594	.022	<1	1.36	.008	.27	.6	.09	3.0	2.5	.19	4
W-28	20.9	70.3	277.8	1484	.8	106.0	8.5	843	4.53	41.9	12.1	1.5	1.9	99	16.8	7.1	.2	265	.68	.322	16	57.1	.40	1279	.024	<1	1.42	.005	.22	.6	.08	2.7	1.2	.08	5
W-29	10.5	23.7	258.2	1452	.9	76.2	7.5	576	2.17	12.5	4.8	1.8	2.8	70	17.5	5.5	.2	254	.49	.232	19	68.2	.34	895	.020	2	1.05	.003	.29	.3	.04	2.9	1.4	<.05	4
W-30	2.6	11.9	43.1	421	.5	13.0	6.0	1054	1.85	1.4	.6	1.4	.9	38	5.1	.9	.1	106	.46	.056	14	21.7	.17	492	.039	<1	.88	.009	.12	.1	.05	1.7	.2	<.05	6
W-31	9.6	30.8	76.5	803	.2	65.0	14.8	525	3.82	20.2	1.8	1.4	4.4	33	3.0	4.6	.2	167	.27	.157	16	34.0	.39	227	.023	<1	1.57	.007	.12	.2	.02	2.9	.6	.06	5
W-32	4.7	55.9	97.8	519	.8	60.3	20.0	1333	4.11	15.4	2.2	<.5	3.5	67	4.7	2.9	.3	102	.89	.169	18	39.8	.38	723	.025	1	2.13	.011	.33	.2	.04	3.1	.4	.07	6
STANDARD	8.9	119.2	33.6	156	.3	35.3	11.4	745	3.19	30.1	6.3	18.6	4.0	32	5.8	5.6	5.8	72	.54	.086	18	181.7	.59	142	.103	<1	1.80	.034	.18	3.4	.22	3.8	1.2	<.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: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 22 2002 DATE REPORT MAILED: July 31/02 SIGNED BY: C. Toy D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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

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
W-1	1.1	1.9	2.8	43	<.1	4.3	3.8	498	1.84	<.5	2.8	2.3	4.6	82	<.1	<.1	.2	36	.52	.088	8	12.4	.52	222	.128	1	.98	.142	.54	2.2	.02	5.6	.4	<.05	5
W-33	6.0	22.7	72.7	587	.4	33.0	13.3	563	3.58	8.0	1.2	1.9	3.8	37	3.1	1.8	.3	92	.45	.121	17	31.3	.33	517	.010	4	1.35	.006	.15	.2	.04	2.4	.3	<.05	5
W-34	6.6	26.4	64.5	834	.6	44.6	11.6	562	3.14	22.5	3.1	2.2	4.8	42	3.9	2.8	.3	61	.45	.118	20	20.7	.23	485	.007	2	1.15	.005	.14	.1	.04	2.0	.3	<.05	4
W-35	8.6	25.6	95.9	585	.3	42.9	12.1	539	3.55	17.8	1.3	2.5	4.2	28	2.6	3.5	.2	96	.25	.095	20	26.4	.26	362	.016	2	1.16	.006	.14	.2	.03	2.2	.3	<.05	4
W-36	7.6	17.4	155.7	705	.3	36.4	8.4	272	3.25	13.6	1.1	1.0	2.8	30	2.8	3.6	.2	103	.36	.108	17	27.1	.31	384	.019	1	1.29	.006	.14	.2	.02	2.6	.3	<.05	5
W-37	2.2	79.3	54.1	6814	.6	534.7	7.6	635	2.23	7.4	6.0	6.1	.7	169	60.7	2.2	.2	61	4.28	.229	10	31.1	.45	721	.021	11	1.20	.009	.09	.1	.11	2.7	.6	.10	4
W-38	1.7	63.3	23.5	4864	.3	373.9	5.0	364	1.46	4.4	4.8	1.5	.3	217	51.6	1.5	.1	31	9.07	.124	6	21.4	.48	603	.012	11	.71	.008	.06	.1	.09	1.3	.5	.18	2
W-39	1.7	67.1	24.1	5112	.4	386.9	5.1	412	1.40	4.3	6.7	1.7	.3	225	51.4	1.6	.1	29	8.11	.122	5	21.4	.51	616	.013	12	.71	.009	.06	.1	.10	1.3	.5	.22	2
W-40	4.1	9.7	89.9	824	.2	26.7	7.2	277	2.31	4.6	1.2	1.1	2.0	53	3.8	1.4	.1	138	.50	.130	14	26.5	.31	415	.042	3	1.19	.008	.11	.2	.05	2.4	.4	<.05	6
RE W-40	4.0	10.3	87.8	781	.2	25.5	6.9	279	2.29	4.8	1.1	1.3	1.8	52	3.1	1.4	.1	133	.50	.119	13	27.1	.30	400	.041	2	1.13	.007	.11	.2	.02	2.5	.4	<.05	5
W-41	3.1	34.0	64.3	874	.2	39.8	9.7	645	2.72	10.0	1.1	2.7	1.7	81	6.0	2.8	.1	129	.58	.111	11	34.0	.45	440	.071	3	1.18	.011	.10	.2	.01	3.0	.3	<.05	5
W-42	8.1	29.1	264.2	1805	1.0	75.4	9.9	426	2.67	17.8	3.2	.6	2.8	49	8.0	3.8	.2	227	.44	.115	16	42.0	.44	587	.041	4	1.59	.007	.14	.2	.06	4.0	.9	<.05	5
W-43	4.7	14.5	52.6	1135	.2	39.2	9.7	313	2.87	5.0	.9	.5	2.1	60	4.3	1.1	.1	139	.52	.113	12	34.5	.47	431	.043	2	1.42	.009	.10	.2	.04	3.1	.3	<.05	6
W-44	5.5	17.0	75.9	637	.4	31.0	9.0	204	4.18	14.2	1.3	3.7	2.3	38	2.3	1.6	.1	164	.42	.238	11	40.1	.42	376	.062	2	1.70	.008	.07	.3	.03	3.1	.3	<.05	7
W-45	3.2	15.1	27.4	212	.3	13.8	6.9	240	2.51	3.7	.7	<.5	2.6	38	1.7	1.0	.1	94	.33	.109	13	25.3	.22	293	.046	2	.92	.008	.10	.4	<.01	2.2	.2	<.05	6
W-46	2.4	6.9	16.1	141	.1	9.8	4.0	161	2.21	1.9	.4	38.1	2.0	24	1.2	.8	.1	95	.26	.027	12	24.1	.16	154	.055	1	.70	.007	.06	.1	.07	2.0	.2	<.05	5
W-47	1.7	12.2	17.4	215	.3	14.6	9.4	425	2.99	4.1	.6	.5	2.0	31	2.0	.5	.1	98	.36	.116	11	30.0	.29	292	.052	2	1.18	.008	.06	.1	.02	2.7	.1	<.05	5
W-48	1.2	11.8	15.7	158	.3	12.2	9.3	433	2.77	2.3	.4	.5	1.3	29	2.4	.6	.1	88	.37	.095	12	27.6	.24	180	.051	3	.81	.009	.07	.1	.02	2.2	.1	<.05	5
W-50	6.3	46.2	97.1	427	.4	49.4	15.5	484	4.15	12.9	3.0	61.6	2.3	52	3.7	1.9	.1	107	.51	.203	9	41.1	.59	307	.065	3	2.17	.012	.08	.2	.07	3.8	.2	<.05	6
W-51	1.5	29.7	13.2	161	.2	26.5	9.2	285	3.58	7.2	.5	1.1	2.5	30	.7	.8	.1	101	.38	.124	10	33.5	.48	266	.060	2	1.89	.009	.07	.1	.01	3.7	.1	<.05	7
W-52	1.2	10.6	8.9	58	.1	9.6	4.5	163	2.62	3.5	.8	.9	2.3	22	.3	.7	.1	100	.29	.057	12	23.9	.20	122	.067	1	1.01	.007	.05	.1	<.01	2.9	.1	<.05	7
W-53	1.3	22.1	11.1	279	.2	23.0	10.2	381	3.80	6.9	.5	3.0	3.0	25	1.4	.7	.1	104	.35	.178	12	36.0	.43	263	.055	1	1.71	.010	.05	.1	.05	3.6	.1	<.05	6
W-54	1.4	23.7	13.1	366	.3	25.4	14.6	649	3.08	5.4	.6	.8	3.5	23	1.9	.8	.2	64	.29	.161	15	28.6	.43	331	.043	2	1.59	.007	.09	.1	.05	3.1	.1	<.05	5
W-55	1.4	17.3	10.8	74	.1	16.6	6.3	370	2.83	5.3	.7	<.5	3.5	19	.3	.8	.1	68	.21	.133	16	23.0	.37	197	.034	1	1.56	.006	.07	.1	.03	2.9	.1	<.05	6
W-56	1.0	22.5	9.2	106	.3	21.6	8.5	291	3.04	5.5	.5	2.9	2.9	22	.3	.6	.1	81	.30	.110	12	30.5	.41	202	.049	1	1.88	.008	.05	.1	.03	3.2	.1	<.05	6
X-1	1.1	25.4	8.6	104	.1	34.7	13.4	574	3.64	4.9	.4	1.6	2.9	23	.4	.7	.1	107	.49	.111	11	57.4	.55	152	.116	3	2.30	.008	.04	.1	.04	4.6	.1	<.05	8
STANDARD DS3	8.9	119.7	34.2	162	.3	34.4	11.1	769	3.30	29.7	6.3	20.6	4.1	31	6.0	5.5	5.7	72	.54	.086	18	182.5	.59	141	.100	2	1.75	.037	.17	3.9	.24	3.9	1.2	<.05	7

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

ACME ANALYTICAL LABORATORIES LTD.
(ISO 9002 Accredited Co.)

852 E. HASTINGS ST. VANCOUVER BC V6A 1R6

PHONE (604) 253-3158 FAX (604) 253-1716



GEOCHEMICAL ANALYSIS CERTIFICATE

AUG 07 2002



Cross Lake Minerals File # A202456
240 - 800 W. Pender St., Vancouver BC V6C 2V6 Submitted by: Jim Miller-Tait

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	
G-1	1.5	2.8	2.9	46	<.1	4.3	3.8	501	1.87	1.0	1.9	.5	4.1	69	<.1	.1	.1	36	.50	.088	7	12.6	.59	214	.135	<1	.95	.061	.46	1.7	<.01	2.2	.3	<.05	5
WS-1	1.2	11.2	185.3	67	.1	18.4	7.6	437	2.71	8.8	.8	.7	2.5	35	.2	20.5	.1	37	.53	.094	10	19.5	.47	280	.041	1	.82	.008	.07	.1	.04	2.3	.1	<.05	3
STANDARD DS3	9.0	121.2	32.0	176	.2	34.6	11.0	832	3.30	33.2	6.6	18.6	3.7	28	6.0	5.4	5.4	71	.52	.089	17	173.3	.59	143	.093	1	1.71	.036	.15	3.9	.21	3.9	1.2	<.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: SILT SS80 60C

DATE RECEIVED: JUL 22 2002

DATE REPORT MAILED:

July 31/02

SIGNED BY:

C. Leong

D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.



852 East Hastings Street • Vancouver, British Columbia • CANADA • V6A 1R6
 Telephone: (604) 253-3158 • Fax: (604) 253-1716 • Toll free: 1-800-990-ACME (2263) • e-mail: info@acmelab.com

Mr. Jim Miller-Tait, P.Geol.
 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% to 10%	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

AA ACME LL ANALYTICAL LABORATORIES LTD.



552 East Hastings Street • Vancouver, British Columbia • CANADA • V6A 1R6
Telephone: (604) 253-3158 • Fax: (604) 253-1716 • Toll free: 1-800-990-ACME (2263) • e-mail: info@acmelab.com

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 ft³.

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

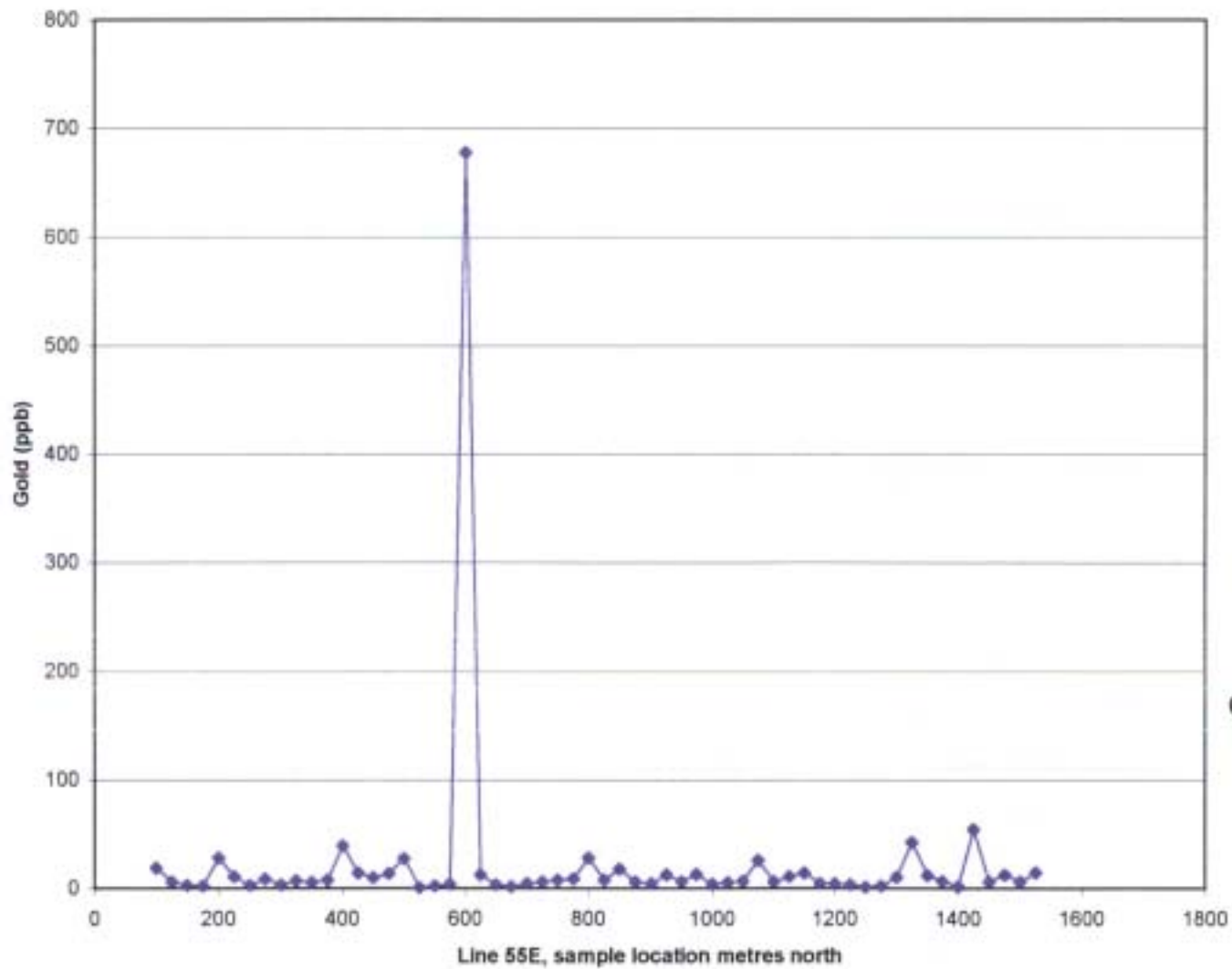
Thank you for inviting us to bid on this project.

Sincerely,

Rick McCaffrey
Business Development Manager

SECTION E: ILLUSTRATIONS

Plan Number	Title	Scale
WA-02-1 (after p.4)	General Location Plan	1:250 000
WA-02-2 (after p.4)	Location Plan with Topography	1:50 000
WA-02-3 (after p.4)	Mineral Claims	1:50 000
WA-02-4 (in pocket)	2002 Work Location Plan	1:15 000
WA-02-5 (in pocket)	Sample Location Plan	1:5 000
WA-02-6 (in pocket)	Lines 1 to 4 Soil Profiles: Cd, Cu, Pb, Zn (ppm)	Not to scale

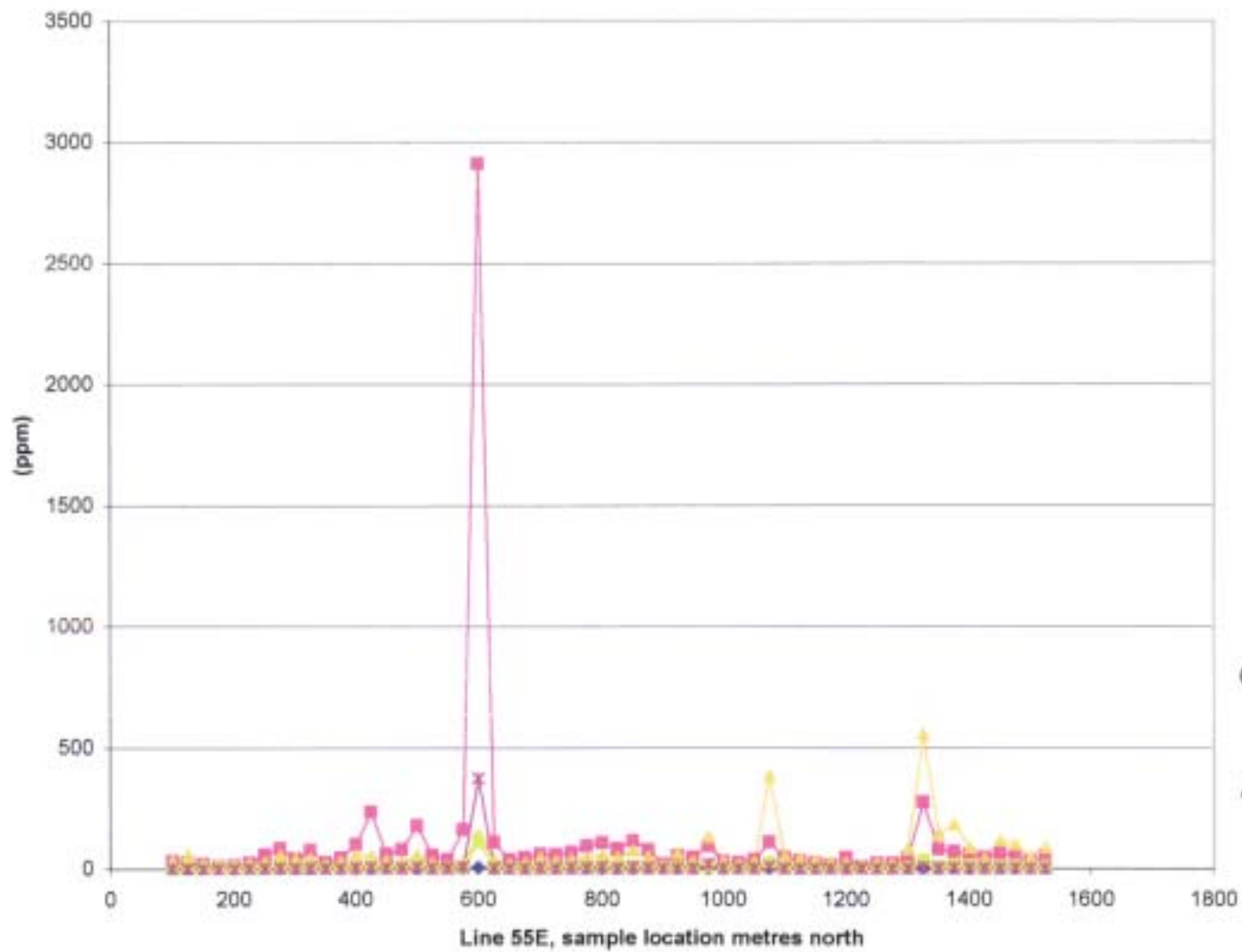


—●— Au (ppb)



J. [Signature] Sept. 13, 2002

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

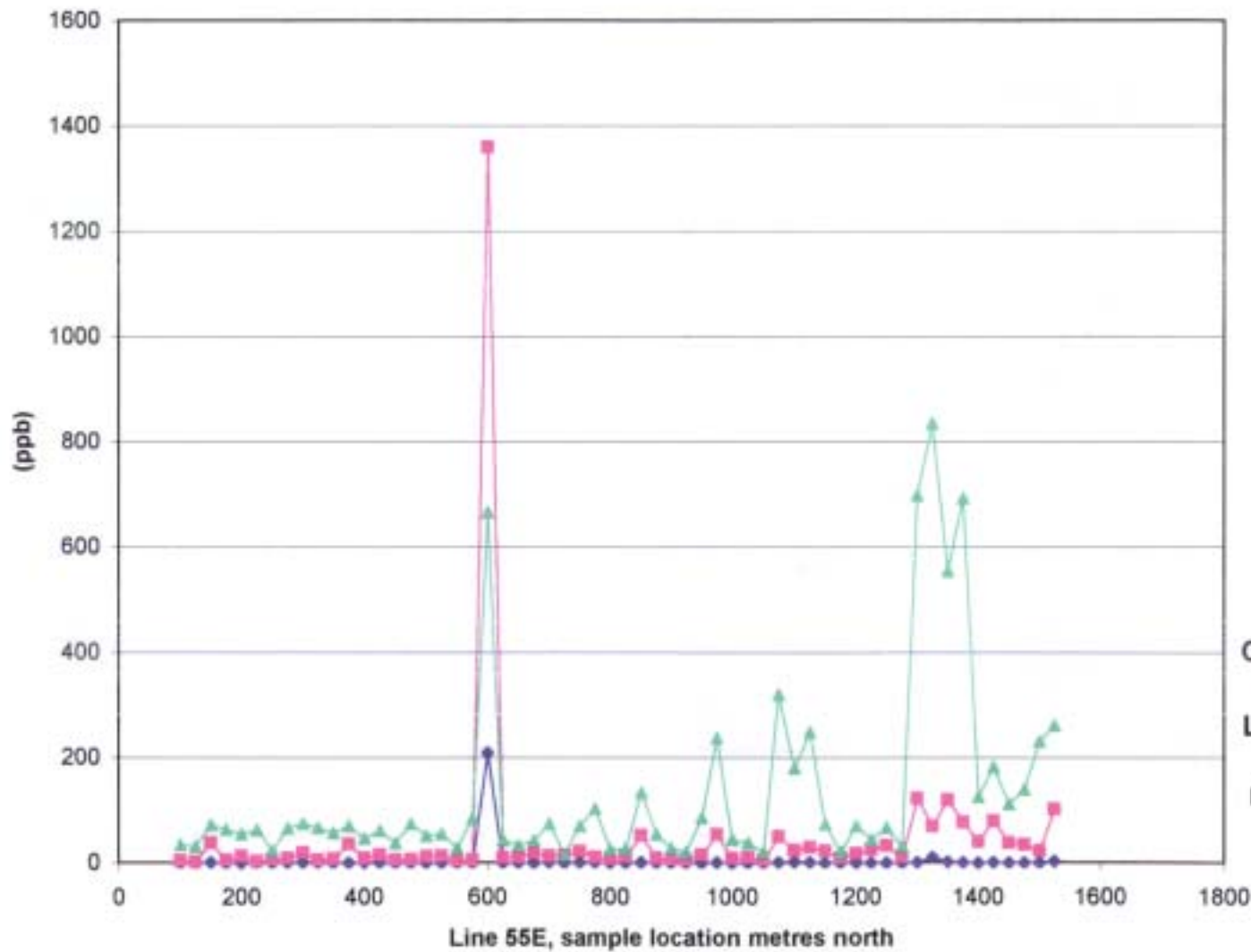


- ◆ Ag (ppm)
- As (ppm)
- ▲ Cu (ppm)
- ▲ Pb (ppm)
- ✱ Sb (ppm)



Printed Sept. 15, 2002

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



● Au (ppb)
 ■ Ag (ppb)
 ▲ Ni (ppb)



f. [Signature] 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

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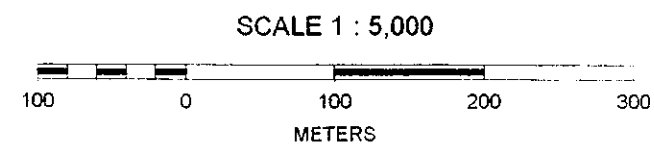
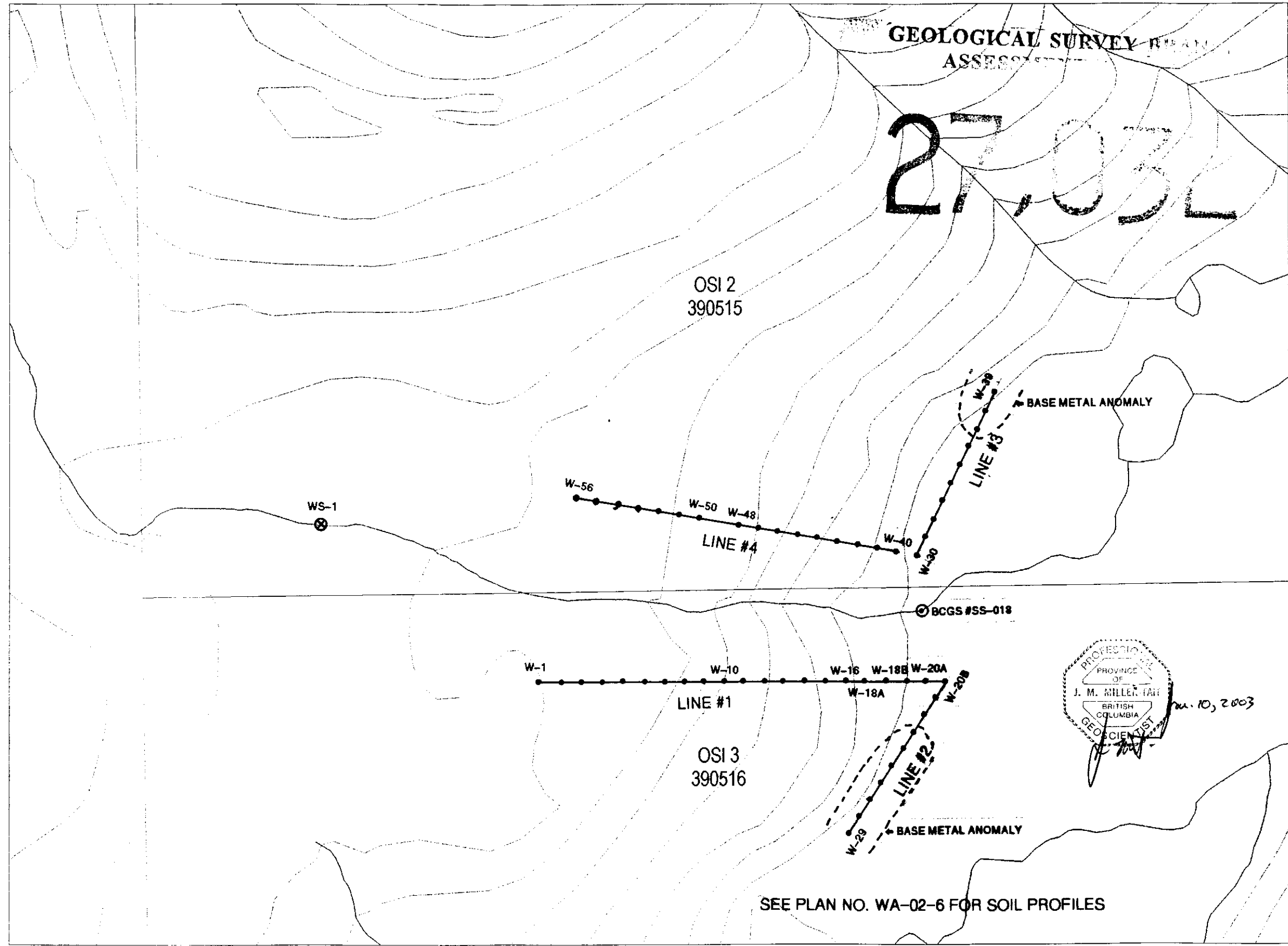
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		Climate, Topography and Vegetation	4	
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		CAR-02-1 (after p. 3)	Property Location	1:9 000 000
		CAR-02-2 (after p. 3)	General Location Plan	1:250 000
		CAR-02-3 (after p. 3)	Location Plan with Topography	1:50 000
		CAR-02-4 (after p. 3)	Mineral Claim Map	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
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		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		

SECTION E: ILLUSTRATIONS

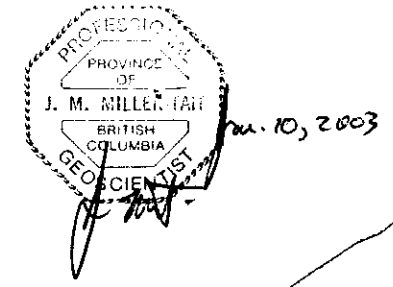
Plan Number	Title	Scale
CAR-02-1 (after p.3)	Property Location	1:9 000 000
CAR-02-2 (after p.3)	General Location Plan	1:250 000
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CAR-02-5 (in pocket)	Property Geology	1:10 000
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- Mineral Titles Layers**
- Mineral titles outline (<1M)
 - All Others
 - Mineral titles Claim Names (<100K)
 - All Others
- Topographic Layers**
- Roads 1:20K (<100K)
 - Gravel Road 1 Lane
 - Gravel Road 2 Lane
 - Paved Road 1 Lane
 - Paved Road 2 Lane
 - Paved Road 2 Lane One Way
 - Paved Road 4 Lane
 - Paved Road 4 Lane Divided
 - Rough Road
 - Contours east 1:20K (<100K)
 - ▨ Lakes 1:250K (<2M)
 - Lakes 1:20K (<100K)
 - Rivers 1:20K (<100K)
- Grid Layers**
- Grid 1:250K maps - outline

- ⊙ BCGS 1991 STREAM SEDIMENT SAMPLE
- ⊗ 2002 STREAM SEDIMENT SAMPLE LOCATION
- 2002 SOIL SAMPLE LOCATION
- BASE METAL ANOMALY



CROSS LAKE MINERALS LTD.
WASI CREEK PROPERTY
 Omineca Mining Division
SAMPLE LOCATION PLAN
 Scale: 1:5 000 NTS: 94C/03E
 Plan No. WA-02-5 January 2003



SEE PLAN NO. WA-02-6 FOR SOIL PROFILES

Mineral Titles Layers

- Mineral titles outline (<1M)
- All Others
- Mineral titles Claim Names (<100K)
- All Others

Topographic Layers

Roads 1:20K (<100K)

- Gravel Road 1 Lane
- Gravel Road 2 Lane
- Paved Road 1 Lane
- Paved Road 2 Lane
- Paved Road 2 Lane One Way
- Paved Road 4 Lane
- Paved Road 4 Lane Divided
- Rough Road

Contours east 1:20K (<100K)

Water bodies 1:20K (marsh, swamp, ice) <100K

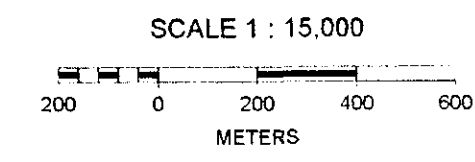
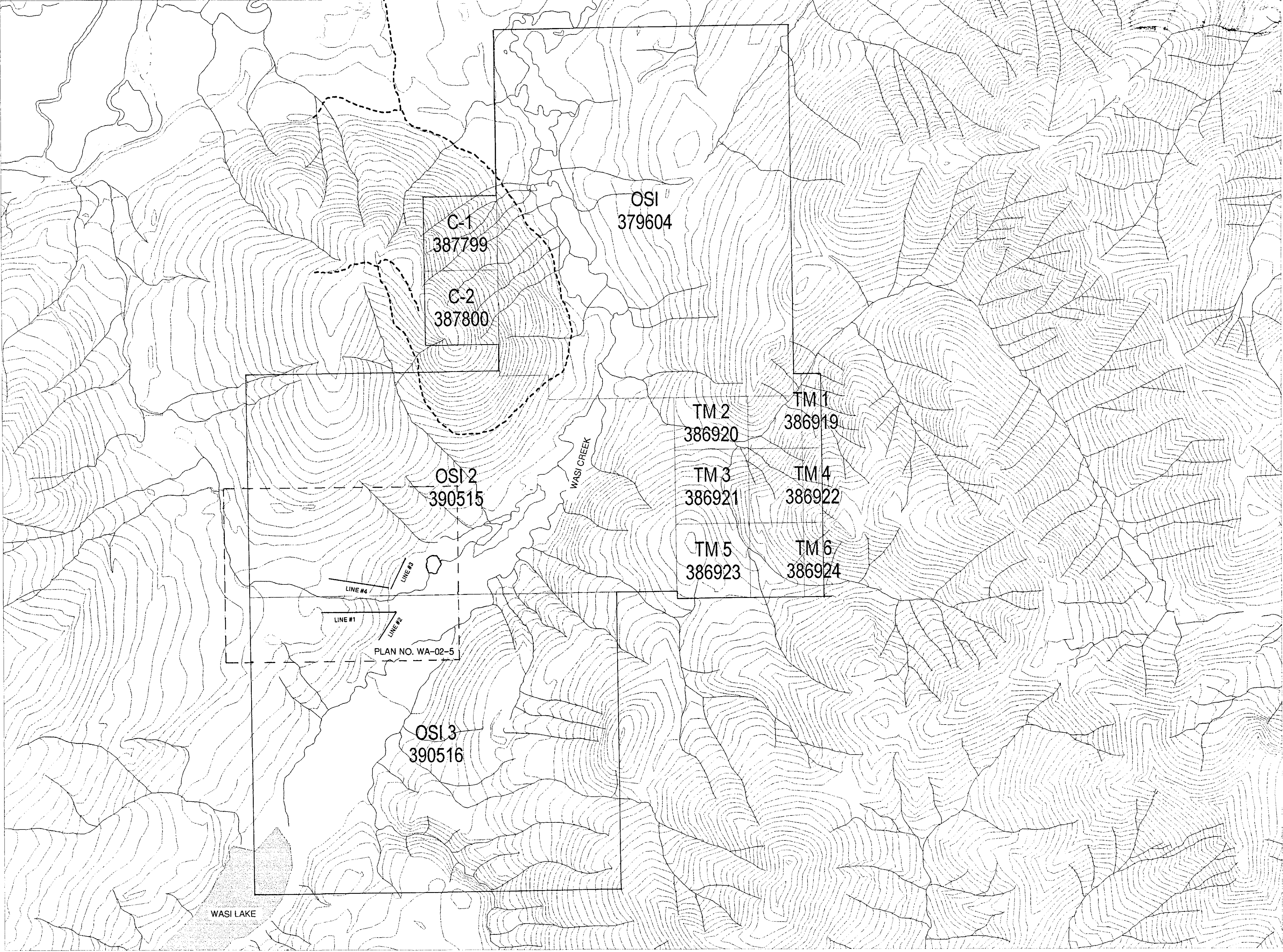
- Glacier
- Icefield
- Island
- Sand or gravel bar
- Swamp
- Marsh
- All Others

Lakes 1:250K (<2M)

Rivers 1:20K (<100K)

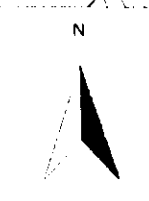
Grid Layers

- Grid 1:250K maps - outline



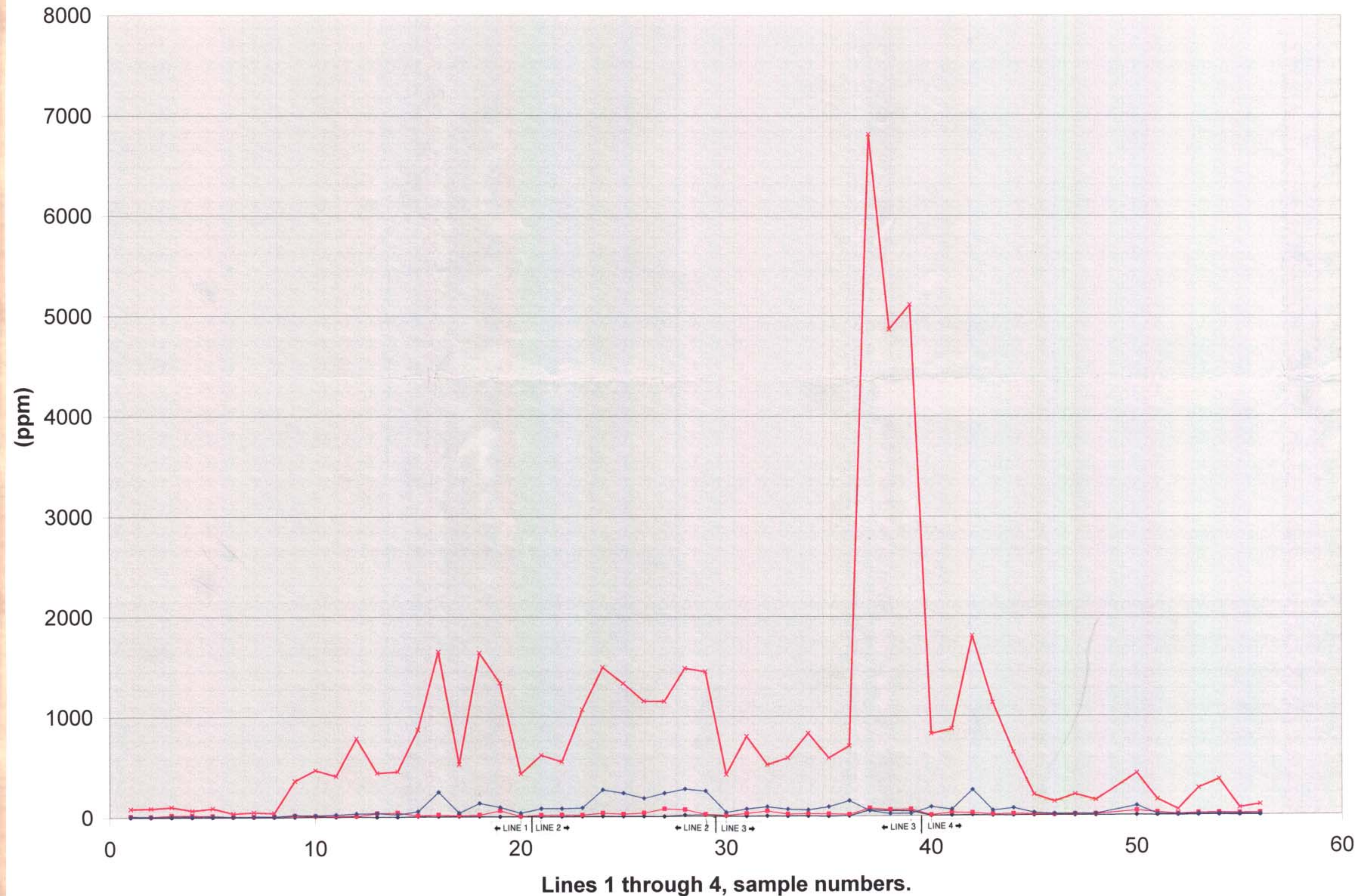
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CROSS LAKE MINERALS LTD.
WASI CREEK PROPERTY
 Omineca Mining Division
2002 WORK LOCATION PLAN
 Scale: 1:15 000 NTS: 94C/03E
 Plan No. WA-02-4 January 2003



27032
 1

27,032



Cross Lake Minerals Ltd.
Wasi Creek Property
Lines 1 to 4 Soil Profiles
Cd, Cu, Pb, Zn (ppm)
January, 2003
Plan No. WA-02-6

27032

2