

**RECEIVED**  
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VANCOUVER, B.C.

**GEOLOGICAL REPORT**

**RECEIVED**  
MAR 26 2002  
Gold Commissioner's Office  
VANCOUVER, B.C.

on the

**WASI CREEK PROPERTY**

**OSI Mineral Claim**

**Omineca Mining Division**

**NTS: 94C/03E**

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

**Latitude: 56° 7.5' N; Longitude 125° 01' W**

**UTM: 6 221 500N; 374 500 E; Zone 10**

**Owner and Operator: Cross Lake Minerals Ltd.**

**Author: Jim Miller-Tait, P.Geo.**

**January 15, 2002**

**GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORT**

**26,827**

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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 documents two phases of exploration carried out from mid-May to early July 2001. The first phase of fieldwork was for a geological examination of the stratigraphic units underlying the property, verifying of the high stream sediment sample collected by the Provincial Government, and hand trenching of the Carrie 2 showing. The second phase of fieldwork was to extend the Carrie 2 trench because both ends of the initial trench were still in mineralization.

### **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

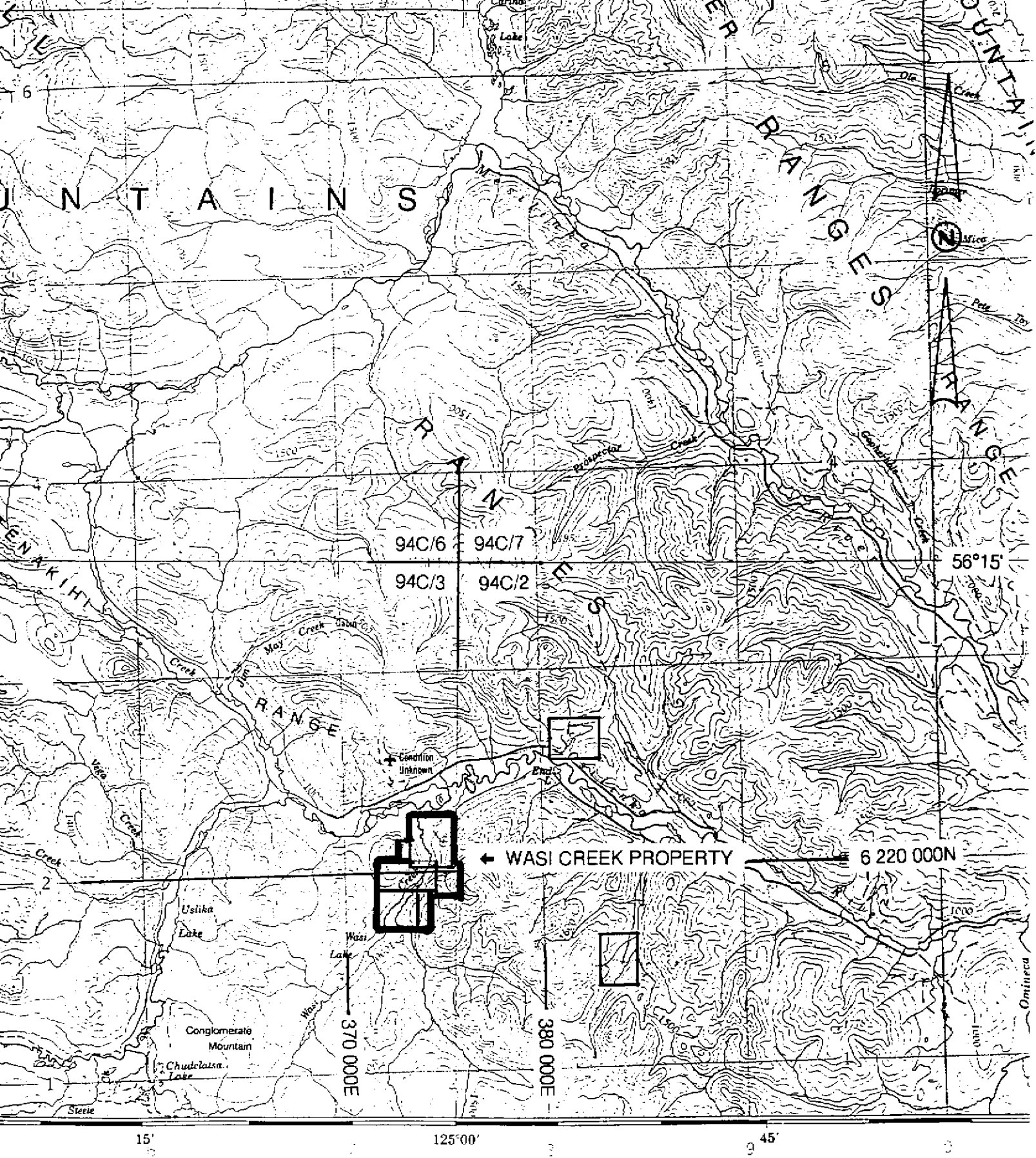
and covering approximately 1,650 hectares. A list of the mineral claims is appended in Section B and they are illustrated on Plan Numbers WA-01-2 and WA-01-3.

### **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.



*J. M. Miller-Fait*

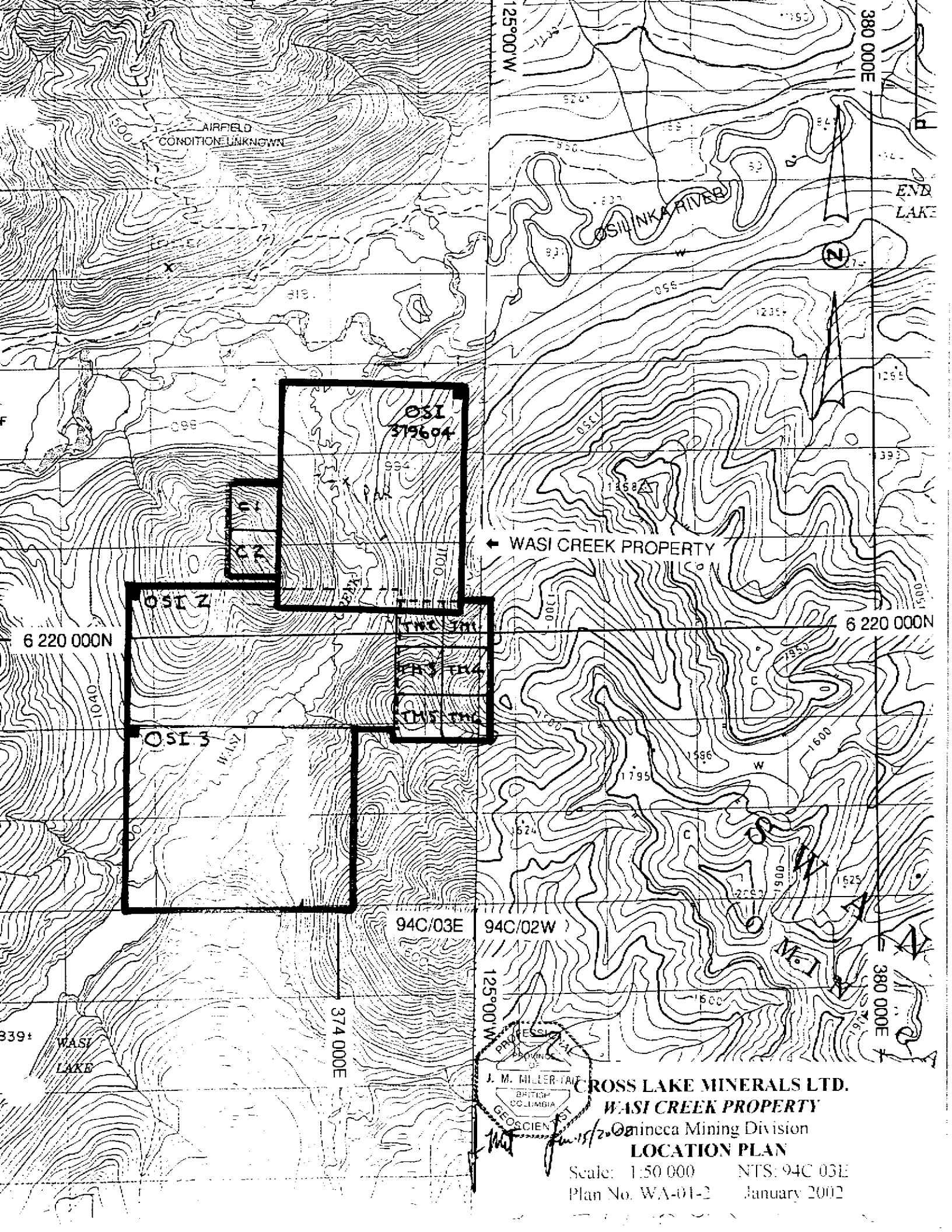
**CROSS LAKE MINERALS LTD.  
WASI CREEK PROPERTY**

Omineca Mining Division

**GENERAL LOCATION PLAN**

Scale: 1:250 000 NTS: 94C/03E

Plan No. WA-01-1 January 2002



AIRFIELD  
CONDITION: UNKNOWN

OSILINKA RIVER

END  
LAKE

OSI  
319604

← WASI CREEK PROPERTY

OSI Z

OSI 319604

OSI 319604

OSI S

6 220 000N

6 220 000N

94C/03E

94C/02W

374 000E

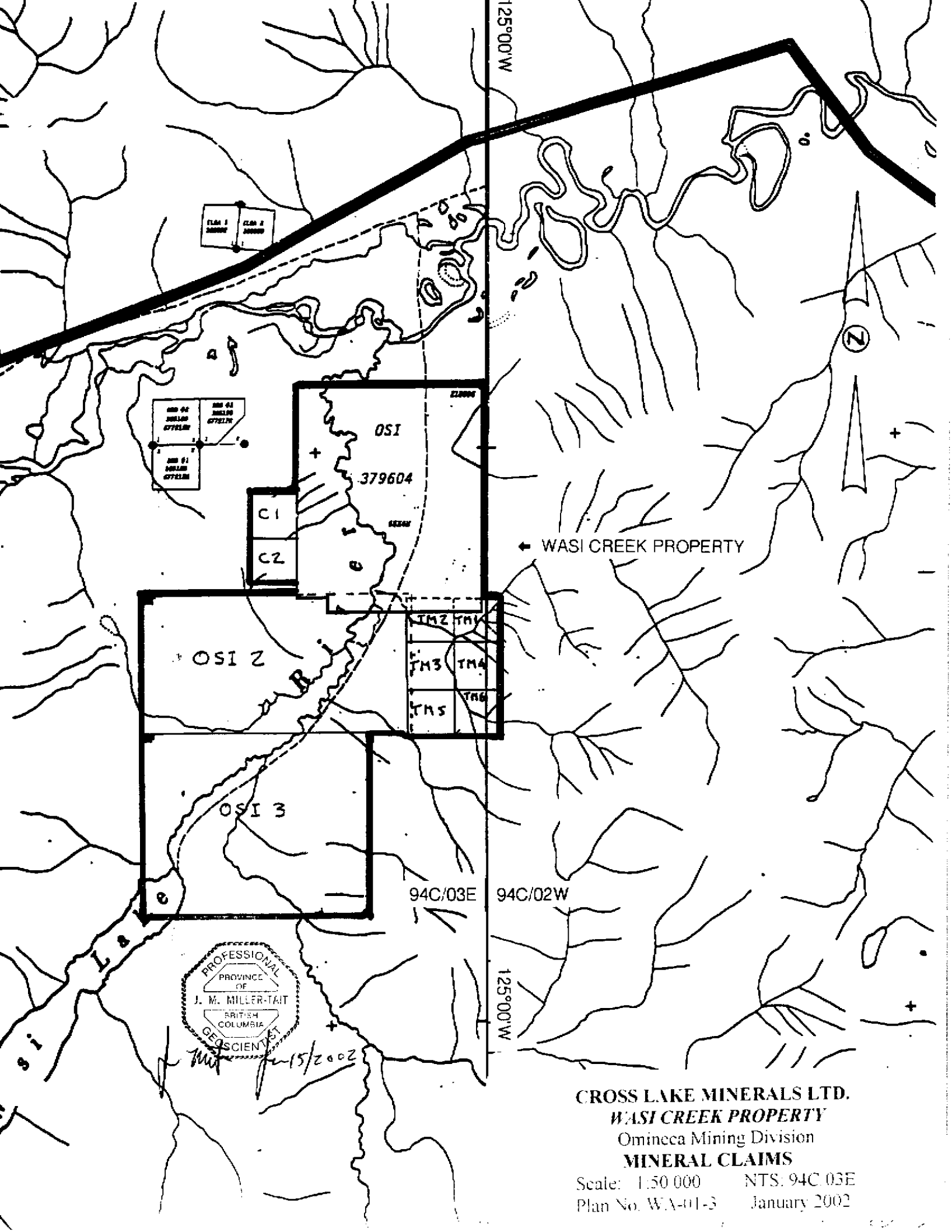
125°00'W

380 000E



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

Scale: 1:50 000    NTS: 94C 03E  
Plan No. WA-01-2    January 2002



125°00'W

PLAN 1  
30000'

MIN 02  
MILLER  
OFFICIAL

MIN 01  
MILLER  
OFFICIAL

C1  
C2

OSI  
379604

← WASI CREEK PROPERTY

OSI 2  
TM2 TM3  
TM4  
TM5 TM6

OSI 3

94C/03E

94C/02W

125°00'W

PROFESSIONAL  
PROVINCE OF  
J. M. MILLER-TAIT  
BRITISH COLUMBIA  
GEOLOGIST

15/2002

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

Scale: 1:50 000      NTS: 94C 03E  
Plan No. WA-01-3      January 2002

**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.

No further work is documented. Cross Lake Minerals Ltd. staked the claims when they came open in 2000.

**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. Their location is shown on Plan No. WA-01-4. 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.

As a result of this base metal stream sediment anomaly of which the source is unknown, Cross Lake Minerals Ltd. sampled the same drainage in May for verification. The sediment sample was collected by using a long-handled shovel to collect stream sediment and screen the sediment through a -10 mesh screen and approximately 1 kilogram of the screened sediment placed into a

plastic sample bag and shipped to ALS Chemex Laboratories in North Vancouver for analysis. The stream was sampled, sample W-01-1, at UTM coordinates of 6 218 885 N, 372 722 E at an elevation of 852 metres. The sample was collected in May when the creek was quite high. The sample was lower in base metal elements than the government sample but was still highly anomalous. The reason for the lower results is probably due to the fact that the sample was collected during high water during spring thaw. (for complete results for sample W-01-1 refer to Section D, Certificate of Analysis #A0117685)

### **TRENCH ROCK SAMPLING RESULTS:**

The *Carrie 2* showing on the Wasi Creek Property is located on the west side of the major structural lineament located along the south to north flowing Wasi Creek. It is situated on the west side of the OSI mineral claim and its location is shown on Plan No. WA-01-4. The UTM coordinates of the showing are 6 221 221 N, 373 766 E and the elevation is 920 metres above sea level. The showing is located in a dead vegetation zone on the heavily timbered east slope of a prominent 530 metre high limestone mound. 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.

The first phase of hand trenching was completed at the end of May, 2001 and the second phase of hand trenching was completed in late June, 2001. The trenches were excavated on the steep slope using shovels, picks and pelican picks. The depth of the first trench was approximately one metre and five metres long. The second trench was an extension of the first and it was excavated to a depth of 2.0 metres and for a length of ten metres. The rock samples were collected with a hammer and moil and placed in a plastic sample bag and shipped to ALS

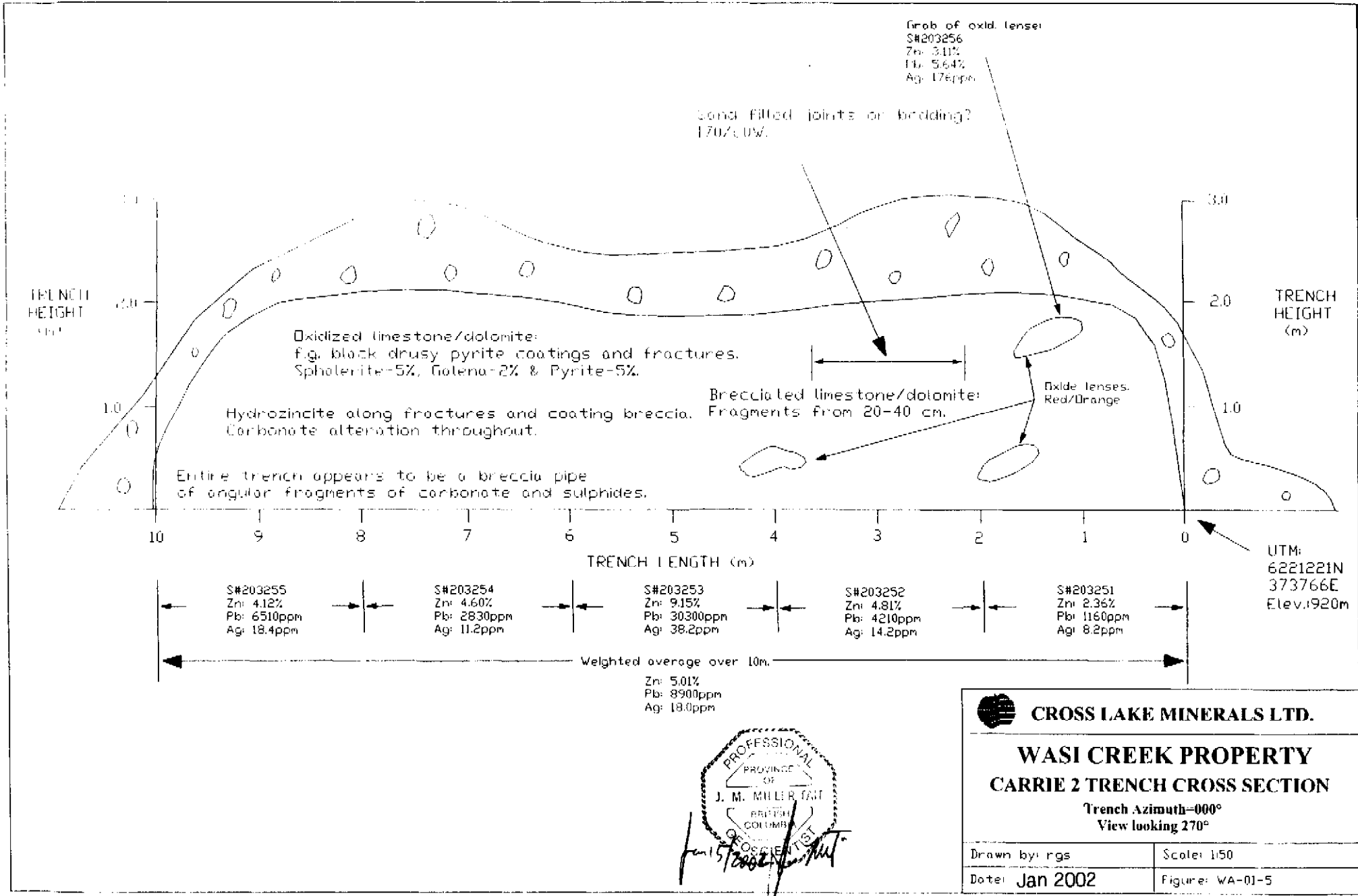
Chemex in North Vancouver for analysis. The first hand trench exposed the Carrie 2 mineralization for a width of five metres. The weighted average of the five metres assayed 5.05% zinc, 0.75% lead and 21.7g/t silver.

<b>Carrie 2 Trench – 1<sup>st</sup> Phase</b>					
<b>Sample Number</b>	<b>Type of Sample</b>	<b>Length (metres)</b>	<b>Zn (ppm)</b>	<b>Pb (ppm)</b>	<b>Ag (ppm)</b>
203107	Rock chip	1.0	49200	6390	16.6
203108	Rock chip	1.0	78300	9920	21.6
203109	Rock chip	3.0	41700	6990	23.4
* For complete results see ALS Chemex analytical reports A0117686 and A0117970 appended in Section D.					

The second phase of hand trenching was completed to extend the first trench because both ends of the first trench were still in mineralization. The second phase of hand trenching exposed mineralization which the weighted assay average is 5.01% zinc, 0.89% lead and 18.0g/t silver over a width of ten metres.

<b>Carrie 2 Trench – 2<sup>nd</sup> Phase</b>					
<b>Sample Number</b>	<b>Type of Sample</b>	<b>Length (metres)</b>	<b>Zn (ppm)</b>	<b>Pb (ppm)</b>	<b>Ag (ppm)</b>
203251	Rock chip	2.0	23600	1160	8.2
203252	Rock chip	2.0	48100	4210	14.2
203253	Rock chip	2.0	91500	30300	38.2
203254	Rock chip	2.0	46000	2830	11.2
203255	Rock chip	2.0	41200	6510	18.4
203256	Grab	Grab	31100	56400	176.0
* For complete results see ALS Chemex analytical reports A0119776 and A0120625 appended in Section D.					

The samples were continuous two metre rock chip channel samples except for S#203256 which was a selected grab of the oxidized lenses. This trench ended in mineralization as well. The full width and height or depth of the mineralization has not been determined. Polished rock sections were made on representative samples from the trench for examination. The polished sections





were helpful to identify the carbonate breccia with angular fragments up to 3 centimetres in size and angular sulphide fragments consisting of pyrite, galena and sphalerite up to 1.0 centimetre in size. The breccia host has been totally re-sealed with carbonate flooding. Mechanical excavation would be the recommended method to further explore the Carrie 2 showing. (Refer to Plan No. WA-01-5 for trench details and for sample results)

### **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 hand trenching of the Carrie 2 showing on the west side of the Wasi Creek structure resulted in promising assays of zinc, lead and silver over a ten metre width where the mineralization is still open in all directions.

### **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 area south of the Duncan showing should be intensely prospected, mapped and sampled because the grades of the mineralization and widths intersected during Cominco's drilling were more promising in this direction.

The area in the vicinity of the stream sediment anomaly, on the west side of the Wasi Creek structure, should be prospected, mapped and the creek sediment sampled at 100 metre intervals upstream to locate the source of the anomaly. There should be special attention paid to the volcanic tuff unit and its contacts in this area. The new logging roads on the east and west sides of the Wasi Creek valley should be prospected and mapped because there may be undiscovered mineralization outcropping along the newly constructed roads.

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.

An airborne Electromagnetic Survey should be completed south of the intersection of the Duncan, Par and Weber mineralized structure and the major Wasi Creek structure that may be mineralized. This area is up-ice and upstream of the area where the high grade, angular, massive sulphide boulders were discovered during Cominco's trenching program.

Respectfully submitted,



Jim Miller-Tait, P. Geo.



**LIST OF REFERENCES:**

Ferri F., Dudka S., Rees C. 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., 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. 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.

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.



**SECTION B: PROPERTY**

<b>WASI CREEK</b>	<b>SCHEDULE OF MINERAL CLAIMS</b>		
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	2002-07-25	\$2000.00	Cross Lake Minerals Ltd.
TM 1	386919	01	2001-05-28	2002-05-28	100.00	Cross Lake Minerals Ltd.
TM 2	386920	01	2001-05-28	2002-05-28	100.00	Cross Lake Minerals Ltd.
TM 3	386921	01	2001-05-28	2002-05-28	100.00	Cross Lake Minerals Ltd.
TM 4	386922	01	2001-05-28	2002-05-28	100.00	Cross Lake Minerals Ltd.
TM 5	386923	01	2001-05-28	2002-05-28	100.00	Cross Lake Minerals Ltd.
TM 6	386924	01	2001-05-28	2002-05-28	100.00	Cross Lake Minerals Ltd.
C 1	387799	01	2001-07-01	2002-07-01	100.00	Cross Lake Minerals Ltd.
C 2	387800	01	2001-07-01	2002-07-01	100.00	Cross Lake Minerals Ltd.
OSI 2	390515	18	2001-10-19	2002-10-19	1800.00	Cross Lake Minerals Ltd.
OSI 3	390516	20	2001-10-19	2002-10-19	2000.00	Cross Lake Minerals Ltd.
		<b>66</b>			<b>\$6600.00</b>	

**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

**SECTION C: EXPENDITURES – Wasi Creek Property**

Item	Work Performed	Quantities / Rates	Amount
Project Geologist: J. Miller-Tait, P.Ge.	Supervision, hand trenching, sampling and mapping. Period: May 17-28, 2001 June 23-July 4, 2001	4 days @ \$350.00 3 days @ \$350.00	\$1400.00 <u>1050.00</u> 2450.00
Field Geologist: C. Church	Hand trenching, sampling and geological mapping Period: May 17-28, 2001	4 days @ \$267.50	1070.00
Consulting Geologist: T.W. Muraro, P.Ge.	Property visit and review of work program during the period: May 17-28, 2001	1 day @ \$535.00	535.00
Field Assistants: F. Tait M. Russell T. Klausen	Hand trenching and sampling Period: June 23 to July 4, 2001 June 23 to July 4, 2001 June 23 to July 4, 2001	2.5 days @ \$250.00 2.5 days @ \$200.00 2.5 days @ \$150.00	625.00 500.00 <u>375.00</u> 1500.00
Transportation: Vancouver to property, onsite and return	4x4 pickup trucks:           Units Period: May 17-28, 2001   (2) Jun 23-Jul 4, 2001       (2)	8 days @ \$105.00 6 days @ \$105.00	840.00 <u>630.00</u> 1470.00
Accommodation and Meals	Period: May 17-28, 2001 June 23-July 4, 2001	Man days @ \$35.00 9 10.5	315.00 <u>367.50</u> 682.50
Field Supplies	Camp materials and sampling supplies for the period: May 17-28, 2001 June 23-July 4, 2001		120.27 <u>247.98</u> 368.25
Analytical Services: ALS Chemex Labs	ICP-AES 32 element analyses and overlimits	13 @ \$23.188	301.44
Cominco Lab	Assaying and rock polishing	2 @ \$56.17	<u>112.34</u> 413.78
Report and Map Preparation:	J. Miller-Tait, P.Ge.	3 days @ \$350.00	1050.00
<b>Total</b>			<b>\$9539.53</b>

**Expenditure Apportionment:**

Claim	Samples	% of Total	Expenditure
OSI	15	100.0	\$9539.53

**SECTION D: ANALYTICAL RESULTS**

1. Analyses carried out by ALS Chemex Labs of North Vancouver, B.C.
  - Certificate of Analysis #A0117685 dated June 7, 2001
  - Certificate of Analysis #A0117686 dated June 7, 2001
  - Certificate of Analysis #A0117970 dated June 8, 2001
  - Certificate of Analysis #A0119776 dated July 16, 2001
  - Certificate of Analysis #A0120625 dated July 18, 2001
  - Statement of Analytical Procedures
  
2. Analyses carried out by Cominco Ltd. Exploration Research Laboratory
  - Certificate of Analysis #V01-0217R dated June 12, 2001





# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

TO: CROSS LAKE MINERALS LTD.

240 - 800 W. PENDER ST.  
 VANCOUVER, BC  
 V6C 2V6

A0117685

Comments: ATTN: JIM MILLER-TAIT

**CERTIFICATE** **A0117685**

(NWT) - CROSS LAKE MINERALS LTD.

Project: INGENIKA / SWANNELL / WASI  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 11-JUL-2001.

SAMPLE PREPARATION		
METHOD CODE	NUMBER SAMPLES	DESCRIPTION
201	42	Dry, sieve to -80 mesh
202	42	save reject
229	42	ICP - Aq Digestion charge

\* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES					
METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
Ag-ICP41	42	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
Al-ICP41	42	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
As-ICP41	42	As ppm: 32 element, soil & rock	ICP-AES	2	10000
B-ICP41	42	B ppm: 32 element, rock & soil	ICP-AES	10	10000
Ba-ICP41	42	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
Be-ICP41	42	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
Bi-ICP41	42	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
Ca-ICP41	42	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
Cd-ICP41	42	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
Co-ICP41	42	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
Cr-ICP41	42	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
Cu-ICP41	42	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
Fe-ICP41	42	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
Ga-ICP41	42	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
Hg-ICP41	42	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
K-ICP41	42	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
La-ICP41	42	La ppm: 32 element, soil & rock	ICP-AES	10	10000
Mg-ICP41	42	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
Mn-ICP41	42	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
Mo-ICP41	42	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
Na-ICP41	42	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
Ni-ICP41	42	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
P-ICP41	42	P ppm: 32 element, soil & rock	ICP-AES	10	10000
Pb-ICP41	42	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
S-ICP41	42	S %: 32 element, rock & soil	ICP-AES	0.01	10.00
Sb-ICP41	42	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
Sc-ICP41	42	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
Sr-ICP41	42	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
Ti-ICP41	42	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
Tl-ICP41	42	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
U-ICP41	42	U ppm: 32 element, soil & rock	ICP-AES	10	10000
V-ICP41	42	V ppm: 32 element, soil & rock	ICP-AES	1	10000
W-ICP41	42	W ppm: 32 element, soil & rock	ICP-AES	10	10000
Zn-ICP41	42	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

CROSS LAKE MINERALS LTD.

240 - 800 W. PENDER ST.  
 VANCOUVER, BC  
 V6C 2V6

Project: INGENIKA  
 Comments: ATTN: JIM MILLER-TAIT

Page Number: 2-A  
 Total Pages: 2  
 Certificate Date: 07-JUN-2001  
 Invoice No.: 10117685  
 P.O. Number:  
 Account: NWT

## CERTIFICATE OF ANALYSIS

### A0117685

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
<del>S+500W</del>	201 202	< 0.2	1.41	18	< 10	60	0.5	< 2	0.34	< 0.5	23	42	40	3.62	< 10	< 1	0.13	10	1.51	540
AST W-01-1	201 202	0.2	0.76	26	< 10	810	< 0.5	< 2	3.12	5.5	9	20	86	3.37	< 10	< 1	0.09	< 10	1.56	905

CERTIFICATION:



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 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

CROSS LAKE MINERALS LTD.

240 - 800 W. PENDER ST.  
 VANCOUVER, BC  
 V6C 2V8

Project: INGENIKA  
 Comments: ATTN: JIM MILLER-TAIT

Page Number: 2-B  
 Total Pages: 2  
 Certificate Date: 07-JUN-2001  
 Invoice No.: 10117685  
 P.O. Number:  
 Account: NWT

## CERTIFICATE OF ANALYSIS

A0117685

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
S+500W	201	202	< 1	< 0.01	129	470	14	0.01	< 2	3	22	0.05	< 10	< 10	27	< 10	64
W-01-1	201	202	19	< 0.01	85	3430	204	0.10	6	2	460	0.01	< 10	< 10	118	< 10	1275

CERTIFICATION: 



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 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

J: CROSS LAKE MINERALS LTD.

240 - 800 W. PENDER ST.  
 VANCOUVER, BC  
 V6C 2V6

A0117686

Comments: ATTN: JIM MILLER-TAIT

CERTIFICATE

A0117686

(NWT) - CROSS LAKE MINERALS LTD.

Project: ~~INGENIKA~~ WASI  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 Is report was printed on 11-JUL-2001.

## SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
205	6	Geochem ring to approx 150 mesh
226	6	0-3 Kg crush and split
3202	6	Rock - save entire reject
229	6	ICP - AQ Digestion charge

\* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

## ANALYTICAL PROCEDURES

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
Ag-ICP41	6	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
Al-ICP41	6	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
As-ICP41	6	As ppm: 32 element, soil & rock	ICP-AES	2	10000
B-ICP41	6	B ppm: 32 element, rock & soil	ICP-AES	10	10000
Ba-ICP41	6	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
Be-ICP41	6	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
Bi-ICP41	6	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
Ca-ICP41	6	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
Cd-ICP41	6	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
Co-ICP41	6	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
Cr-ICP41	6	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
Cu-ICP41	6	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
Fe-ICP41	6	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
Ga-ICP41	6	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
Hg-ICP41	6	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
K-ICP41	6	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
La-ICP41	6	La ppm: 32 element, soil & rock	ICP-AES	10	10000
Mg-ICP41	6	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
Mn-ICP41	6	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
Mo-ICP41	6	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
Na-ICP41	6	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
Ni-ICP41	6	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
P-ICP41	6	P ppm: 32 element, soil & rock	ICP-AES	10	10000
Pb-ICP41	6	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
S-ICP41	6	S %: 32 element, rock & soil	ICP-AES	0.01	10.00
Sb-ICP41	6	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
Sc-ICP41	6	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
Sr-ICP41	6	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
Ti-ICP41	6	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
Tl-ICP41	6	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
U-ICP41	6	U ppm: 32 element, soil & rock	ICP-AES	10	10000
V-ICP41	6	V ppm: 32 element, soil & rock	ICP-AES	1	10000
W-ICP41	6	W ppm: 32 element, soil & rock	ICP-AES	10	10000
Zn-ICP41	6	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: CROSS LAKE MINERALS LTD.

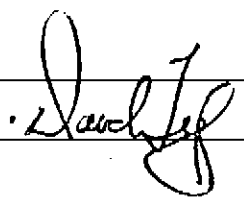
240 - 800 W. PENDER ST.  
 VANCOUVER, BC  
 V6C 2V6

Project: INGENIKA  
 Comments: ATTN: JIM MILLER-TAIT

Page Number: 1-A  
 Total Pages: 1  
 Certificate Date: 07-JUN-2001  
 Invoice No.: 10117686  
 P.O. Number:  
 Account: NWT

## CERTIFICATE OF ANALYSIS A0117686

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
203107	205 226	16.6	0.04	24	< 10	20	< 0.5	< 2	13.20	206	1	< 1	4	2.28	10	39	< 0.01	< 10	8.86	265
203108	205 226	21.6	0.03	76	< 10	20	< 0.5	< 2	12.05	324	1	< 1	22	5.00	10	105	< 0.01	< 10	8.02	345
203109	205 226	23.4	0.04	68	< 10	70	< 0.5	< 2	12.60	167.0	1	< 1	37	4.78	10	56	< 0.01	< 10	8.48	340
203461	205 226	8.6	0.01	96	< 10	< 10	< 0.5	6	10.10	58.5	< 1	< 1	< 1	10.85	< 10	6	< 0.01	< 10	6.41	150
203462	205 226	9.4	< 0.01	180	< 10	60	0.5	24	0.34	33.5	< 1	6	11	>15.00	< 10	< 1	0.01	< 10	0.23	20
203463	205 226	11.2	< 0.01	42	< 10	< 10	< 0.5	< 2	11.70	82.0	< 1	< 1	< 1	5.62	< 10	9	< 0.01	< 10	7.13	160

CERTIFICATION: 



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: CROSS LAKE MINERALS LTD.

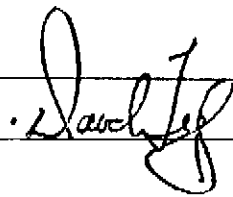
240 - 800 W. PENDER ST.  
 VANCOUVER, BC  
 V6C 2V6

Project: INGENIKA  
 Comments: ATTN: JIM MILLER-TAIT

Page Number : 1-B  
 Total : 1  
 Certificate Date: 07-JUN-2001  
 Invoice No. : 10117686  
 P.O. Number :  
 Account : NWT

## CERTIFICATE OF ANALYSIS A0117686

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
203107	205	226	< 1	< 0.01	5	90	6390	1.13	14	< 1	39	< 0.01	< 10	< 10	< 1	< 10	>10000
203108	205	226	< 1	< 0.01	6	160	9920	3.54	26	< 1	45	< 0.01	< 10	< 10	< 1	< 10	>10000
203109	205	226	< 1	< 0.01	6	120	6990	1.54	42	< 1	52	< 0.01	< 10	< 10	1	< 10	>10000
203461	205	226	< 1	< 0.01	< 1	70	2390	1.56	10	< 1	19	< 0.01	< 10	< 10	4	< 10	>10000
203462	205	226	1	< 0.01	< 1	< 10	1255	0.53	30	< 1	8	< 0.01	< 10	10	5	< 10	>10000
203463	205	226	< 1	< 0.01	< 1	50	8490	1.55	12	< 1	19	< 0.01	< 10	< 10	1	< 10	>10000

CERTIFICATION: 



# ALS Chemex

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Analytical Chemists \* Geochemists \* Registered Assayers  
212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221 FAX: 604-984-0218

J: CROSS LAKE MINERALS LTD.

240 - 800 W. PENDER ST.  
VANCOUVER, BC  
V6C 2V6

A0117970

Comments: ATTN: JIM MILLER-TAIT

**CERTIFICATE**

**A0117970**

(NWT) - CROSS LAKE MINERALS LTD.

Project: INGENIKA  
P.O. #:

Samples submitted to our lab in Vancouver, BC.  
Is report was printed on 11-JUL-2001.

## SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
212	6	Overlimit pulp, to be found

## ANALYTICAL PROCEDURES

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
Zn-AA46	6	Zn %: Conc. Nitric-HCl dig'n	AAS	0.01	50.0



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 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

Client: CROSS LAKE MINERALS LTD.

240 - 800 W. PENDER ST.  
 VANCOUVER, BC  
 V6C 2V6

Project: INGENIKA  
 Comments: ATTN: JIM MILLER-TAIT

Page Number: 1  
 Total Pages: 1  
 Certificate Date: 08-JUN-2001  
 Invoice No.: I0117970  
 P.O. Number:  
 Account: NWT

## CERTIFICATE OF ANALYSIS

### A0117970

SAMPLE	PREP CODE	Zn %									
203107	212 --	4.92									
203108	212 --	7.83									
203109	212 --	4.17									
203461	212 --	2.84									
203462	212 --	2.45									
203463	212 --	3.21									

CERTIFICATION: *Jim Miller-Tait*





# ALS Chemex

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 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

CROSS LAKE MINERALS LTD.

240 - 800 W. PENDER ST.  
 VANCOUVER, BC  
 V6C 2V6

AUG 19 2001

A0119776

Comments: ATTN: JIM MILLER-TAIT

CERTIFICATE

A0119776

(NWT) - CROSS LAKE MINERALS LTD.

Project: WASI  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 Is report was printed on 16-JUL-2001.

## SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
LOG-22	6	Samples received without barcode
CRU-31	6	Crush to 70% minus 2mm
SPL-21	6	Splitting Charge
PUL-31	6	Pulv. <250g to >85%/-75 micron
STO-21	6	Reject Storage-First 90 Days
229	6	ICP - AQ Digestion charge

\* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

## ANALYTICAL PROCEDURES 1 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
1433	6	Weight in kilograms	BALANCE	0.01	1000.0
Au-AA23	6	Au ppb: Fuse 30 grams	FA-AAS	5	10000
Ag-ICP41	6	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
Al-ICP41	6	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
As-ICP41	6	As ppm: 32 element, soil & rock	ICP-AES	2	10000
B-ICP41	6	B ppm: 32 element, rock & soil	ICP-AES	10	10000
Ba-ICP41	6	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
Be-ICP41	6	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
Bi-ICP41	6	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
Ca-ICP41	6	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
Cd-ICP41	6	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
Co-ICP41	6	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
Cr-ICP41	6	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
Cu-ICP41	6	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
Fe-ICP41	6	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
Ga-ICP41	6	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
Hg-ICP41	6	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
K-ICP41	6	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
La-ICP41	6	La ppm: 32 element, soil & rock	ICP-AES	10	10000
Mg-ICP41	6	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
Mn-ICP41	6	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
Mo-ICP41	6	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
Na-ICP41	6	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
Ni-ICP41	6	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
P-ICP41	6	P ppm: 32 element, soil & rock	ICP-AES	10	10000
Pb-ICP41	6	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
S-ICP41	6	S %: 32 element, rock & soil	ICP-AES	0.01	10.00
Sb-ICP41	6	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
Sc-ICP41	6	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
Sr-ICP41	6	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
Ti-ICP41	6	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
Tl-ICP41	6	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
U-ICP41	6	U ppm: 32 element, soil & rock	ICP-AES	10	10000
V-ICP41	6	V ppm: 32 element, soil & rock	ICP-AES	1	10000



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CROSS LAKE MINERALS LTD.

240 - 800 W. PENDER ST.  
 VANCOUVER, BC  
 V6C 2V6

A0119776

Comments: ATTN: JIM MILLER-TAIT

**CERTIFICATE**

**A0119776**

(NWT) - CROSS LAKE MINERALS LTD.

Project: WASI  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 \* report was printed on 16-JUL-2001.

## SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
LOG-22	6	Samples received without barcode
CRU-31	6	Crush to 70% minus 2mm
SPL-21	6	Splitting Charge
PUL-31	6	Pulv. <250g to >85%/-75 micron
STO-21	6	Reject Storage-First 90 Days
229	6	ICP - AQ Digestion charge

\* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

## ANALYTICAL PROCEDURES 2 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
W-ICP41	6	W ppm: 32 element, soil & rock	ICP-AES	10	10000
Zn-ICP41	6	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

CROSS LAKE MINERALS LTD.

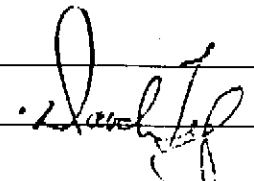
240 - 800 W. PENDER ST.  
 VANCOUVER, BC  
 V6C 2V8

Page Number : 1-A  
 Total Pages : 1  
 Certificate Date: 16-JUL-2001  
 Invoice No. : 10119776  
 P.O. Number :  
 Account : NWT

Project : WASI  
 Comments: ATTN: JIM MILLER-TAIT

## CERTIFICATE OF ANALYSIS A0119776

SAMPLE	PREP CODE		Weight	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La
	Kg	FA+AA	ppb	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
203251	9400	267	1.22	< 5	8.2	0.06	38	< 10	40	< 0.5	< 2	12.45	77.5	1	1	22	4.66	< 10	31	0.01	< 10
203252	9400	267	1.58	< 5	14.2	0.04	30	< 10	30	< 0.5	< 2	12.85	233	1	< 1	28	2.74	< 10	72	0.01	< 10
203253	9400	267	2.40	< 5	38.2	< 0.01	38	< 10	30	< 0.5	< 2	11.40	374	1	< 1	70	2.71	< 10	119	< 0.01	< 10
203254	9400	267	1.46	< 5	11.2	0.09	54	< 10	50	< 0.5	< 2	12.40	199.5	1	< 1	39	4.46	< 10	52	0.01	10
203255	9400	267	1.54	< 5	18.4	0.01	38	< 10	30	< 0.5	< 2	12.80	233	1	< 1	32	2.65	< 10	66	< 0.01	< 10
203256	9400	267	0.54	5	>100.0	< 0.01	358	< 10	50	1.0	< 2	3.73	145.5	3	< 1	91	>15.00	40	311	0.02	< 10

CERTIFICATION: 



# ALS Chemex

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British Columbia, Canada V7J 2C1

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CROSS LAKE MINERALS LTD.

240 - 800 W. PENDER ST.

VANCOUVER, BC

V6C 2V6

Project: WASI

Comments: ATTN: JIM MILLER-TAIT

Page Number: 1-B

Total Pages: 1

Certificate Date: 16-JUL-2001

Invoice No.: I0119776

P.O. Number:

Account: NWT

## CERTIFICATE OF ANALYSIS

### A0119776

SAMPLE	PREP CODE		Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
203251	9400	267	8.65	440	1	0.01	7	140	1160	0.90	20	< 1	57	< 0.01	< 10	< 10	2	< 10	>10000
203252	9400	267	8.95	365	< 1	0.01	6	170	4210	2.51	26	< 1	56	< 0.01	< 10	< 10	< 1	< 10	>10000
203253	9400	267	7.71	295	< 1	0.01	6	140	>10000	6.14	80	< 1	43	< 0.01	< 10	< 10	< 1	< 10	>10000
203254	9400	267	8.66	400	1	0.01	7	180	2830	0.89	28	< 1	52	< 0.01	< 10	< 10	3	< 10	>10000
203255	9400	267	8.76	465	< 1	< 0.01	5	190	6510	1.76	34	< 1	69	< 0.01	< 10	< 10	< 1	< 10	>10000
203256	9400	267	2.49	225	< 1	< 0.01	5	190	>10000	0.70	250	< 1	45	< 0.01	< 10	< 10	5	30	>10000

CERTIFICATION:



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 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

CROSS LAKE MINERALS LTD.

240 - 800 W. PENDER ST.  
 VANCOUVER, BC  
 V6C 2V6

AUG 9 2001

A0120625

Comments: ATTN: JIM MILLER-TAIT

CERTIFICATE

A0120625

(NWT) - CROSS LAKE MINERALS LTD.

Project: WASI  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 s report was printed on 18-JUL-2001.

### SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
212	6	Overlimit pulp, to be found

### ANALYTICAL PROCEDURES

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
Ag-AA46	1	Ag g/t: Conc. Nitric HCl dig'n	AAS	1	1500
Pb-AA46	2	Pb %: Conc. Nitric-HCl dig'n	AAS	0.01	50.0
Zn-AA46	6	Zn %: Conc. Nitric-HCl dig'n	AAS	0.01	50.0



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: CROSS LAKE MINERALS LTD.

240 - 800 W. PENDER ST.  
 VANCOUVER, BC  
 V6C 2V6

Page Number : 1  
 Total Pages : 1  
 Certificate Date: 18-JUL-2001  
 Invoice No. : 10120625  
 P.O. Number :  
 Account : NWT

Project : WASI  
 Comments: ATTN: JIM MILLER-TAIT

## CERTIFICATE OF ANALYSIS A0120625

SAMPLE	PREP CODE	Ag g/t	Pb %	Zn %						
203251	212 --	-----	-----	2.36						
203252	212 --	-----	-----	4.81						
203253	212 --	-----	3.03	9.15						
203254	212 --	-----	-----	4.60						
203255	212 --	-----	-----	4.12						
203256	212 --	176	5.64	3.11						

CERTIFICATION: \_\_\_\_\_



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CROSS LAKE MINERALS LTD.

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 VANCOUVER, BC  
 V6C 2V6

Project: WASI  
 Comments: ATTN: JIM MILLER-TAIT

Page Number: 1  
 Total Pages: 1  
 Certificate Date: 18-JUL-2001  
 Invoice No.: I0120625  
 P.O. Number:  
 Account: NWT

## CERTIFICATE OF ANALYSIS

A0120625

SAMPLE	PREP CODE	Ag g/t	Pb %	Zn %							
203251	212 --	-----	-----	2.36							
203252	212 --	-----	-----	4.81							
203253	212 --	-----	3.03	9.15							
203254	212 --	-----	-----	4.60							
203255	212 --	-----	-----	4.12							
203256	212 --	176	5.64	3.11							

CERTIFICATION: \_\_\_\_\_

01 14 00 FAX 604-984-0218  
ALS Chemex



212 Brooksbank Avenue  
North Vancouver, BC  
Canada  
V7J 2C1

Phone 604-984-0221  
Fax 604-984-0218

FACSIMILE MESSAGE

---

<b>To:</b> CROSSLAKE MINERALS	<b>From:</b> Stuart Mcleod
<b>Name:</b> Jim Miller Tait	<b>Pages:</b> 6 (including this page)
<b>Fax:</b> 688 - 5443	<b>Date:</b> January 14, 2000
<b>Re:</b> Analytical methods used .	

---

Dear Mr. Jim Miller Tait ,

Please find attached 5 pages regarding the analytical methods we used to analyze your samples.

Please let me know if you need anything else.

Thank You

Stuart Mcleod.



\* Geochemical Procedure - G32 Package

**Sample Decomposition:** Nitric Aqua Regia Digestion

**Analytical Method:** Inductively Coupled Plasma - Atomic Emission Spectroscopy (ICP - AES)

A prepared sample (1.00 gram) is digested with concentrated nitric acid for at least one hour. After cooling, hydrochloric acid is added to produce aqua regia and the mixture is then digested for an additional hour and a half. The resulting solution is diluted to 25ml with demineralized water, mixed and analyzed by inductively coupled plasma-atomic emission spectrometry. The analytical results are corrected for inter-element spectral interferences.

<u>Chemex Code</u>	<u>Element</u>	<u>Symbol</u>	<u>Detection Limit</u>	<u>Upper Limit</u>
229	ICP-AQ Digestion	n/a	n/a	n/a
2119	* Aluminum	Al	0.01%	15 %
2141	Antimony	Sb	2 ppm	1 %
2120	Arsenic	As	2 ppm	1 %
2121	* Barium	Ba	10 ppm	1 %
2122	* Beryllium	Be	0.5 ppm	0.01 %
2123	Bismuth	Bi	2 ppm	1 %
557	Boron	B	10 ppm	10,000 ppm
2125	Cadmium	Cd	0.5 ppm	0.05 %
2124	* Calcium	Ca	0.01%	15 %
2127	* Chromium	Cr	1 ppm	1 %
2126	Cobalt	Co	1 ppm	1 %
2128	Copper	Cu	1 ppm	1 %
2130	* Gallium	Ga	10 ppm	1 %
2150	Iron	Fe	0.01%	15 %
2151	* Lanthanum	La	10 ppm	1 %
2140	Lead	Pb	2 ppm	1 %
2134	* Magnesium	Mg	0.01%	15 %
2135	Manganese	Mn	5 ppm	1 %
2131	Mercury	Hg	1 ppm	1 %
2136	Molybdenum	Mo	1 ppm	1 %
2138	Nickel	Ni	1 ppm	1 %
2139	Phosphorus	P	10 ppm	1 %
2132	* Potassium	K	0.01%	10 %

Geochemical Procedure - G32 Package (con't)

<u>Chemex Code</u>		<u>Element</u>	<u>Symbol</u>	<u>Detection Limit</u>	<u>Upper Limit</u>
2142	*	Scandium	Sc	1 ppm	1 %
2118		Silver	Ag	0.2 ppm	0.01 %
2137	*	Sodium	Na	0.01%	10 %
2143	*	Strontium	Sr	1 ppm	1 %
551		Sulfur	S	0.01 %	5 %
2145	*	Thallium	Tl	10 ppm	1 %
2144	*	Titanium	Ti	0.01%	10 %
2148	*	Tungsten	W	10 ppm	1 %
2146		Uranium	U	10 ppm	1 %
2147		Vanadium	V	1 ppm	1 %
2149		Zinc	Zn	2 ppm	1 %

\*Elements for which the digestion is possibly incomplete.

**Assay Procedure - Arsenic, Bismuth, Cadmium, Copper, Iron, Lead,  
Molybdenum, Silver, and Zinc by Nitric- Aqua Regia digestion**

**Sample Decomposition:** Nitric - Aqua Regia Digestion  
**Analytical Method:** Atomic Absorption Spectroscopy (AAS)

A prepared sample (0.2 to 2.0g) is digested with concentrated nitric acid for one half hour. After cooling, hydrochloric acid is added to produce aqua regia and the mixture is then digested for an additional hour and a half. An ionization suppressant is added if molybdenum is to be measured. The resulting solution is diluted to volume (100 or 250 ml) with demineralized water, mixed and then analyzed by atomic absorption spectrometry against matrix-matched standards.

**International Units:**

<u>Chemex Code</u>	<u>Element</u>	<u>Symbol</u>	<u>Detection Limit</u>	<u>Upper Limit</u>
331	Arsenic	As	0.01 %	100 %
349	Bismuth	Bi	0.001 %	100 %
320	Cadmium	Cd	0.001 %	100 %
* 301	Copper	Cu	0.01 %	100 %
3501	Copper	Cu	0.001 %	100 %
3508	Copper	Cu	10 ppm	1,000,000 ppm
326	Iron	Fe	0.01 %	100 %
* 312	Lead	Pb	0.01 %	100 %
306	Molybdenum	Mo	0.001 %	100 %
307	Molybdenum as MoS <sub>2</sub>	MoS <sub>2</sub>	0.001 %	100 %
386	Silver	Ag	0.3 g/t	350 g/t
956	Silver (Rush charge)	Ag	0.3 g/t	350 g/t
* 316	Zinc	Zn	0.01 %	100 %
8089	Manganese	Mn	0.01 %	100 %

**American/English Units:**

<u>Chemex Code</u>	<u>Element</u>	<u>Symbol</u>	<u>Detection Limit</u>	<u>Upper Limit</u>
385	Silver	Ag	0.01 oz/ton	10.0 oz/ton
980	Silver (Rush charge)	Ag	0.01 oz/ton	10.0 oz/ton

### Fire Assay Procedure - Gold, Silver

Sample Decomposition: Fire Assay Fusion  
 Analytical Method: Gravimetric

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents in order to produce a lead button. The lead button containing the precious metals is cupelled to remove the lead. The remaining gold and silver bead is parted in dilute nitric acid, annealed and weighed as gold. Silver, if requested, is then determined by the difference in weights.

**International Units:**

	<u>Routine Code</u>	<u>Rush Code</u>	<u>Element</u>	<u>*Sample Weight</u>	<u>Symbol</u>	<u>Detection Limit</u>	<u>Upper Limit</u>
	397	474	Gold	½ assay ton	Au	0.1 g/t	1,000 g/t
*	997	955	Gold	1 assay ton	Au	0.07 g/t	1,000 g/t
	3597		Gold	50 grams	Au	0.07 g/t	1,000 g/t
	1297		Gold	2 assay ton	Au	0.03 g/t	1,000 g/t
	1597		Gold	5 assay ton	Au	0.03 g/t	1,000 g/t
	448		Gold	all	Au	0.002 mg	30 mg
*	384	473	Silver	½ assay ton	Ag	3 g/t	3,500 g/t
	447		Silver	all	Ag	0.1 mg	100 mg

**American/English Units:**

	<u>Routine Code</u>	<u>Rush Code</u>	<u>Element</u>	<u>*Sample Weight</u>	<u>Symbol</u>	<u>Detection Limit</u>	<u>Upper Limit</u>
	396	471	Gold	½ assay ton	Au	0.003 oz/ton	30 oz/ton
	996	954	Gold	1 assay ton	Au	0.002 oz/ton	30 oz/ton
	3596		Gold	50 grams	Au	0.001 oz/ton	30 oz/ton
	1296		Gold	2 assay ton	Au	0.001 oz/ton	30 oz/ton
	1596		Gold	5 assay ton	Au	0.001 oz/ton	30 oz/ton
	383	470	Silver	½ assay ton	Ag	0.1 oz/ton	100 oz/ton

\*Note: ½ assay ton = 14.5883 grams  
 1 assay ton = 29.166 grams  
 2 assay ton = 58.322 grams  
 5 assay ton = 145.83 grams

### Fire Assay Procedure - Trace Gold

**Sample Decomposition:** Fire Assay Fusion

**Analytical Method:** Atomic Absorption Spectroscopy (AAS)

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents as required inquarted with 6 mg of gold-free silver and then cupelled to yield a precious metal bead.

The bead is digested for \* hour in dilute nitric acid. Hydrochloric acid is then added and the solution is digested for an additional hour. The digested solution is cooled, diluted to 7.5 ml with demineralized water, homogenized and then analyzed by atomic absorption spectrometry.

**International Units:**

<u>Routine Code</u>	<u>Rush Code</u>	<u>Element</u>	<u>Sample Weight (grams)</u>	<u>Symbol</u>	<u>Detection Limit</u>	<u>Upper Limit</u>
100	990	Gold	10	Au	5 ppb	10,000 ppb
96	1090	Gold	10	Au	0.005 ppm	10 ppm
* 983	991	Gold	30	Au	5 ppb	10,000 ppb
99	1091	Gold	30	Au	0.005 ppm	10 ppm
494	1209	Gold	30	Au	0.005 g/t	10 g/t
3583		Gold	50	Au	5 ppb	10,000 ppb
3584		Gold	50	Au	0.005 ppm	10 ppm
3594		Gold	50	Au	0.005 g/t	10 g/t

**American/English Units:**

<u>Routine Code</u>	<u>Rush Code</u>	<u>Element</u>	<u>Sample Weight (grams)</u>	<u>Symbol</u>	<u>Detection Limit</u>	<u>Upper Limit</u>
877	1977	Gold	30	Au	0.0002 oz/ton	0.3 oz/ton

14 JUN 2001 Charge statement for COMINCO E.R.L. Job No : V01-0217R

COMINCO EXPLORATION RESEARCH LABORATORY

Project : CROSS LAKE MINERALS  
Ref/I.D. : (W-1,2/I-1,2,3)

Reported to : JIM MILLER-TAIT  
and :

Shipped to lab : 08 06 01  
Received at lab: 08 06 01  
Work completed : 12 06 01

Lab Nos : R01-02799 to R01-02803

Analysis/prep	reported	no	req	no	@	rate	no	@	rate	\$ TOTAL
Rock Slabbing/Polishing (hrly)				2	@	\$40.00				80.00
Pb assay	12 06 01		5		5 @	\$8.00				40.00
Zn assay	12 06 01		5		5 @	\$8.00				40.00
Ag acid dig/AA	12 06 01		5		5 @	\$5.00				25.00
Standard Rock Prep					5 @	\$5.00				25.00

Job Cost = \$ 210.00 ✓  
G.S.T (7%) = \$ 14.70 ✓  
TOTAL PAYABLE (Cdn) = \$ 224.70 ✓

Methods of analysis were reported with the results, as were field nos

Enquiries to: Susie Woo/Jim McLeod  
Cominco Exploration Research Laboratory  
1486 East Pender Street, Vancouver, B.C. V5L 1V8  
PHONE (604) 685-3032 / FAX (604) 844-2686

W-1.2/I-1.2.3

Report date 12 JUN 2001

LAB NO	FIELD NUMBER	Pb(1) %	Zn(1) %	Ag(2) g/t
R0102799	W-1	25.98	26.30	96.3
R0102800	W-2	42.43	8.46	384.8
R0102801	I-1	16.28	25.62	139.8
R0102802	I-2	0.59	31.07	8.4
R0102803	I-3	8.77	33.61	81.4

} WASI CREEK

I=insufficient sample X=small sample E=exceeds calibration C=being checked R=revised  
 If requested analyses are not shown ,results are to follow

## ANALYTICAL METHODS

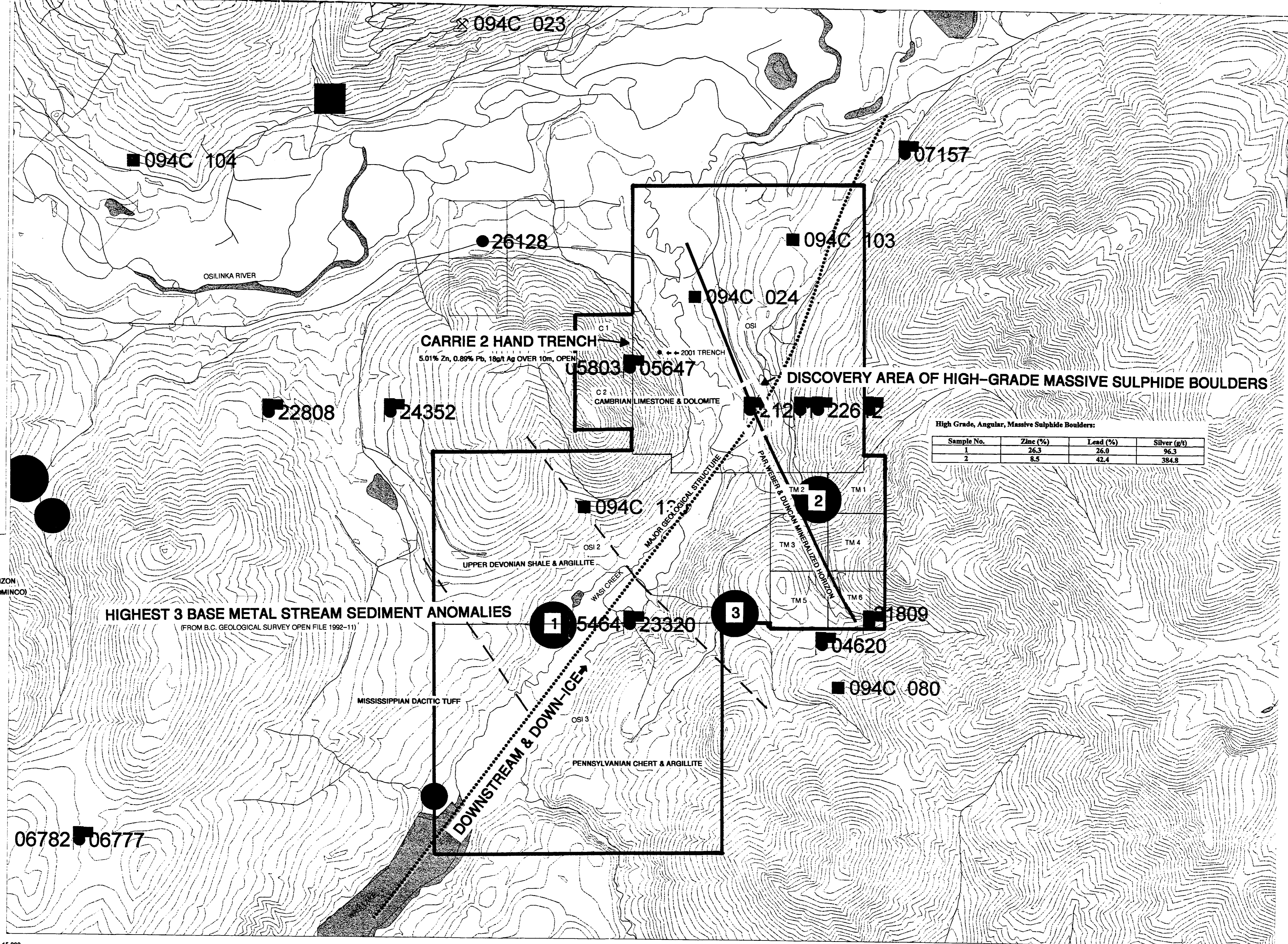
Pb(1) Assay  
 Zn(1) Assay  
 Ag(2) Acid decomposition / AAS

**SECTION E: ILLUSTRATIONS**

<b>Plan Number</b>	<b>Title</b>	<b>Scale</b>
WA-01-1 (after p.4)	General Location Plan	1:250 000
WA-01-2 (after p.4)	Location Plan with Topography	1:50 000
WA-01-3 (after p.4)	Mineral Claims	1:50 000
WA-01-4 (in pocket)	Location Map of 2001 Exploration Work	1:15 000
WA-01-5 (after p.12)	Carrie 2 Trench Cross Section	1:50



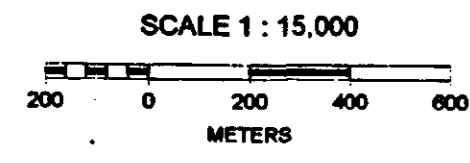
- Mineral Inventory Layers**
- ARIS reports by year
    - 1930 - 1950
    - 1951 - 1970
    - 1971 - 1980
    - 1981 - 1990
    - 1991 - 2000
    - 2001 - 2010
    - All Others
  - ARIS number label
  - ARIS expenditure
    - Greater than \$1,000,000
    - \$1 TO \$100
    - \$100 TO \$10,000
    - \$10,000 TO \$100,000
    - \$ 100,000 TO \$1,000,000
    - All Others
  - ▲ MINFILE status
    - ▲ Producer
    - ▲ Past Producer
    - ▲ Developed Prospect
    - ▲ Prospect
    - ▲ Showing
    - ▲ All Others
  - ▲ MINFILE number label
    - ▲ Producer
    - ▲ Past Producer
    - ▲ Developed Prospect
    - ▲ Prospect
    - ▲ Showing
    - ▲ All Others
- Regional Geochem Layers**
- RGS - Copper (<1.2M)
    - 50th Percentile
    - 70th Percentile
    - 90th Percentile
    - 95th Percentile
    - Greater than 95th Percentile
    - All Others
  - RGS - Lead (<1.2M)
    - 50th Percentile
    - 70th Percentile
    - 90th Percentile
    - 95th Percentile
    - Greater than 95th Percentile
    - All Others
  - RGS - Zinc (<1.2M)
    - 50th Percentile
    - 70th Percentile
    - 90th Percentile
    - 95th Percentile
    - Greater than 95th Percentile
    - All Others
- Mineral Titles Layers**
- Mineral titles outline (<1M)
  - All Others
- Topographic Layers**
- Roads 1:20K (<100K)
  - Contours east 1:20K (<100K)
  - Lakes 1:250K (<2M)
  - Lakes 1:50K (<300K)
  - Rivers 1:50K (<300K)
- Grid Layers**
- Grid 1:250K maps - outline
- FAULT**
- PAR MINERALIZED HORIZON (TRENCHED & DRILLED - COMINCO)
  - GEOLOGICAL CONTACT



High Grade, Angular, Massive Sulphide Boulders:

Sample No.	Zinc (%)	Lead (%)	Silver (g/t)
1	26.3	26.0	96.3
2	8.5	42.4	384.8

26,827



**WASLI CREEK PROPERTY**

CROSS LAKE MINERALS LTD.  
 WASLI CREEK PROPERTY  
 Omineca Mining Division  
 LOCATION MAP OF 2001 WORK  
 Scale: 1:15 000 NTS: 94C/03E  
 Plan No. WA-01-4 January 2002

