BRITISH COLUMBIA

PROSPECTORS ASSISTANCE PROGRAM

MINISTRY OF ENERGY AND MINES

GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR:	1999/2000
REPORT #:	PAP 99-28
NAME:	LORNE WARREN

BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)

B. TECHNICAL REPORT

- One technical report to be completed for each project area.
- **Refer to Program Requirements/Regulations 15 to 17, page 6.**
- If work was performed on claims a copy of the applicable assessment report may be submitted in lieu of the supporting data (see section 16) required with this TECHNICAL REPORT.

Name Diver Lake/Vent/Bodine Reference Number

LOCATION/COMMODITIES

Project Area (as listed in Part A) Sitlika/Diver Lake MINFILE No. if applicable

Location of Project Area NTS 93N12E+W/13E+W Lat N55°39'00 Long 125°54'

Description of Location and Access Work centered on Diver Lake. Access via various forest Access Roads and Helicopter

Main Commodities Searched For Cu/Pb/ZN/Ag/Au.

Known Mineral Occurrences in Project Area Vent/Mt Bodine

WORK PERFORMED

1. Conventional Prospecting (area) 30Km x 45Km.
2. Geological Mapping (hectares/scale)
3. Geochemical (type and no. of samples) 200 Approx — Soils & Rocks.
4. Geophysical (type and line km)
5. Physical Work (type and amount) Minor Hand trenching.
6. Drilling (no. holes, size, depth in m, total m)
7. Other (specify)

SIGNIFICANT RESULTS

Commodities Cu/ZN Claim Name D1-16 inclusive.

Location (show on map) Lat. Long Elevation

Best assay/sample type

Description of mineralization, host rocks, anomalies Massive Sulphides/Sitlika Assemblage — Upper Triassic to lower Jurassic. Regionally metamorphosed to green schist facies. Various Showings — Possible massive volcanicgenic Type Cu/ZN -

Supporting data must be submitted with this TECHNICAL REPORT

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act*.

A10T

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A10T

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IN Pocket - VENT 99N, VENT 99S > Main Maps. Fig 1A+1B

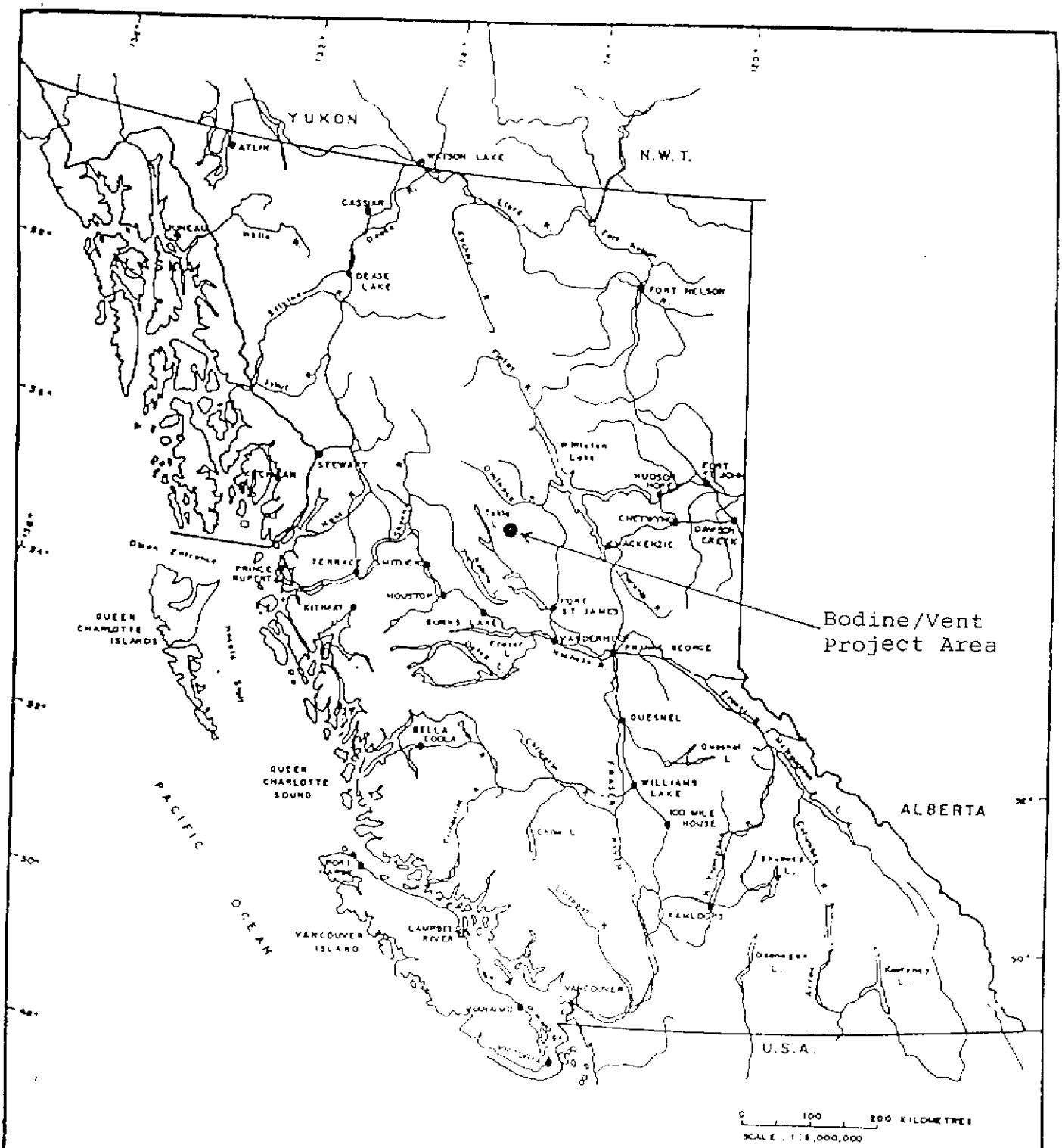
Introduction

Sitlika Diver Prospecting 1999

Intense prospecting of the Diver Lake and surrounding area resulted in the discovery of Quartz eye intrusive float and course proximal breccia in close relationship to the Bedded massive sulphide/chert outcop on the Falls River Forest Access Road at 214.8 km. Mapping of the outcrop and hand trenching revealed that the sulphide layers are intensly folded and that they dip at 65 degrees to the North and show a steep plunge to the North East. Intense shearing of all the rocks give the impression that the rock units strike roughly 310 degrees North and dip nearly vertical, but mapping of the Suphides shows the original bedding may actually be striking at 240 degrees and dipping 65 degrees plus to the North. This could be the reason Noranda was unable to locate an attractive Airborne EM anomaly discovered in their 1984 survey. The 1984 ground grid Base line was oriented at 310 degrees and wide spaced side lines at 100 metre intervals, and 50 metre sample spacing would place the sulphide bands between the lines. A drill site was located approximatly 60 metres North of the showing and was drilled at 040 degrees (As indicated by the foresite/backsite stakes found at the site) This hole would have been in green andesite volcanics through out its entire length.

Location and Access

The Sitlika belt of rocks is accessible via various Forest Access Roads from Ft.St. James B.C. A helicopter based out of Silver creek, 25-30 km east of the belt, was used for setting crews out for day traverses and prospecting.



REVISED	S.Zika/Oiver 1999
	Location Map
PROJ No.	SURVEY BY: LBW DATE: Dec. 99
NTS	DRAWN BY: LBW SCALE
DWG. No 1	L. WARREN Prospecting 99
	OFFICE:

VANCAL 11927

HISTORY

1974 - KENNCO EXPLORATION: Geochemical investigation of the area for volcanogenic deposits revealed anomalous Cu and Zn in stream silts from creeks draining felsic volcanic rocks making up the slopes of Mt. Bodine. Follow-up JEM and geologic surveys were apparently discouraging and Kennco allowed the claims to lapse.

1975 - McINTYRE MINES: Staked the Ruth 1-4 claims to cover the Northeast slope of Mt. Bodine. They explored the area as part of a regional airborne EM survey and during geologic mapping discovered the Eureka copper-silver showing.

1978 - SHELL CANADA RESOURCES: Carried out a regional stream silt sampling survey throughout the general area and staked the Skye 1-12 claims to cover some geochemical anomalies.

The result of McIntyre's earlier airborne survey showed a number of EM anomalies on the Skye claims.

1979 - SHELL CANADA RESOURCES: Carried out ground follow-up work including horizontal loop shootback EM, soil sampling and geological mapping. A significant copper soil anomaly was discovered on the Skye 9 claim.

1979 - CANADIAN SUPERIOR EXPLORATION: Optioned the Ruth 1-4 claims from McIntyre Mines but apparently did no fieldwork.

1980 - CANADIAN SUPERIOR: Carried out a detailed geological mapping program. This work showed the Ruth 3 claim to be underlain by argillite on the northeast and felsic volcanics on the southwest. A large gossan zone formed by disseminated pyrite was mapped for 2000m along the contact on strike with the Eureka showing (Watkins, 1980).

1981 - SHELL CANADA RESOURCES: Optioned the Ruth claims and carried out a detailed soil geochemical survey. A significant copper-zinc anomaly, including the Eureka showing was discovered along the gossan zone. A ground Crone horizontal loop shootback EM survey was performed over an attractive airborne anomaly but was negative.

1982 - Claims were allowed to lapse and were staked by the Sitlika Group by C.Graf.

1983 - C. Graf allowed most of the claims to lapse except for 2 units on Mt. Bodine which are still retained to Date.

1985-86 - Noranda staked a large block of ground to cover a series of airborne EM anomalies detected in a AERODAT survey (June 1985).

1989 - Several drill holes drilled by NORANDA EXPLORATION testing various targets in the belt.

1994-95 - L.B.WARREN and associates prospected belt.

1995 - Vent showing was found and as a result a large group of claims were staked. Prospecting of the eastern belt was undertaken and continues to date.

REGIONAL GEOLOGY

The Di 1-16 claim are underlaid by Upper Triassic to Lower Jurassic volcanic and sedimentary rocks of the Sitlika Assemblage which have been regionally metamorphosed to greenschist facies (Paterson, 1974). This assemblage is composed mainly of well foliated andesitic to rhyolitic pyroclastics and flows with lesser amounts of greywacke, siltstone and phyllite. The Sitlika volcanics are characterized by local development of sericite, quartz-sericite and chlorite schists. The Takla Fault separates the Sitlika rocks from the Tertiary Sustut Group the west. The Permian Cache Creek rocks to the east are separated from the Sitlika by the Vital fault and a serpentinite melange. The Cache Creek Group is bounded to the east by the Pinchi Fault and the Jurrasic Hogem Batholith.

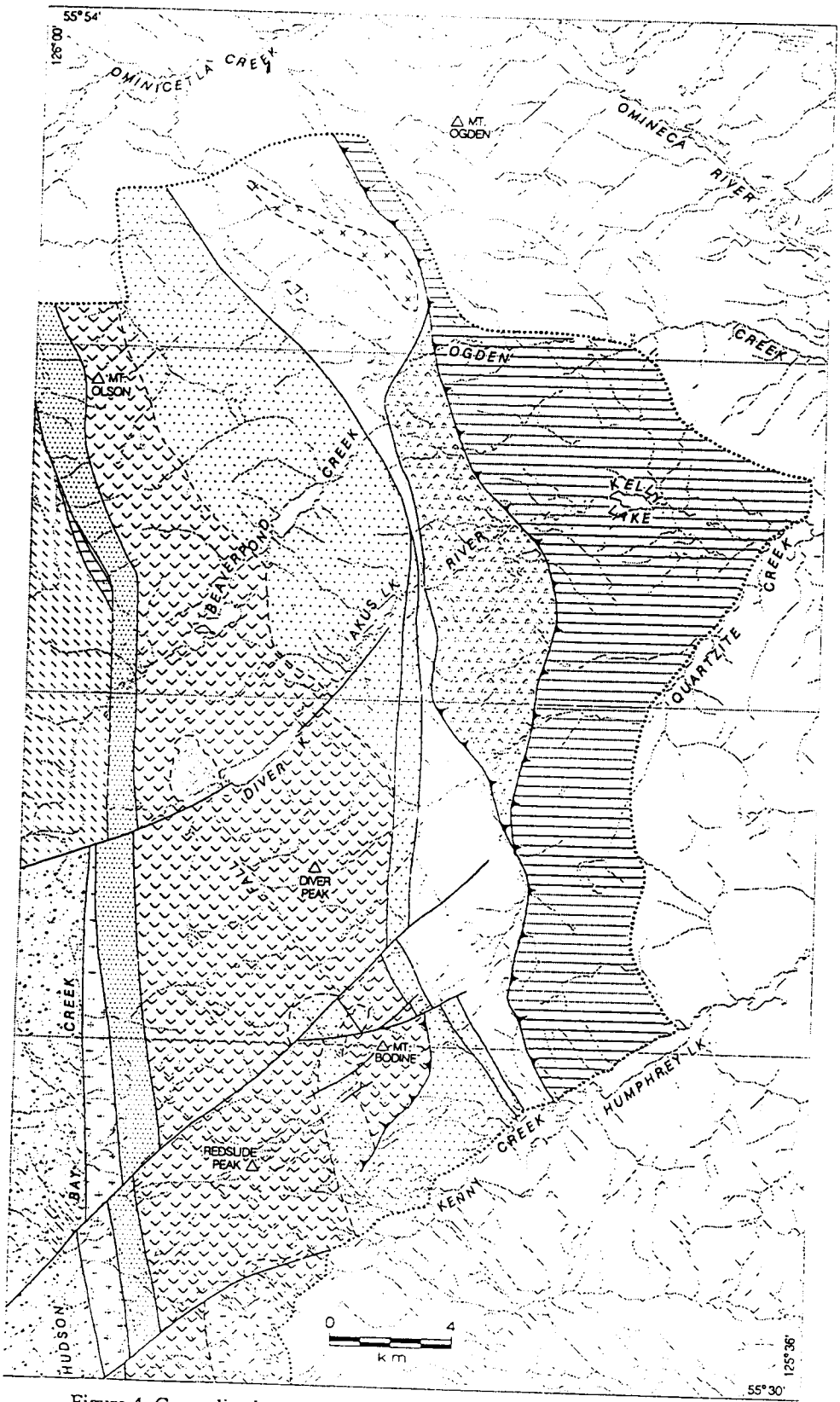
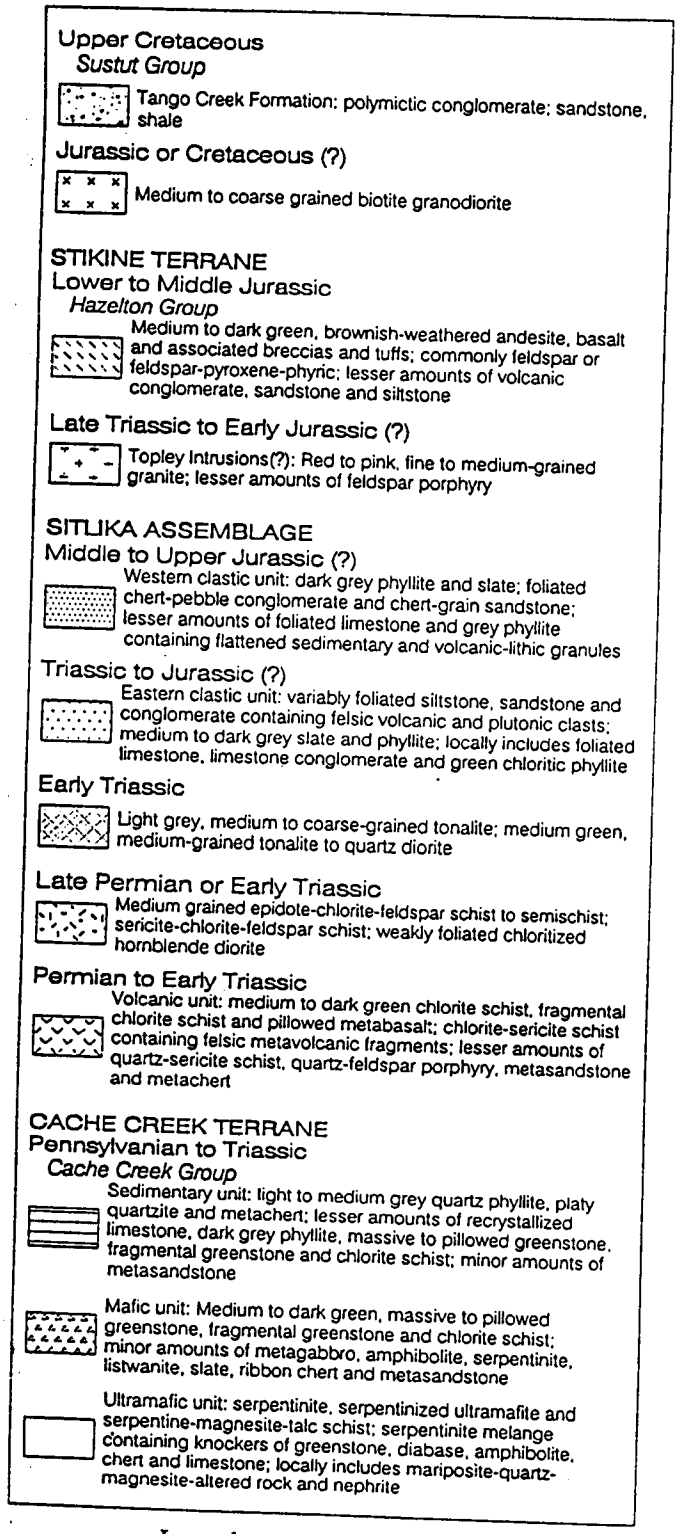
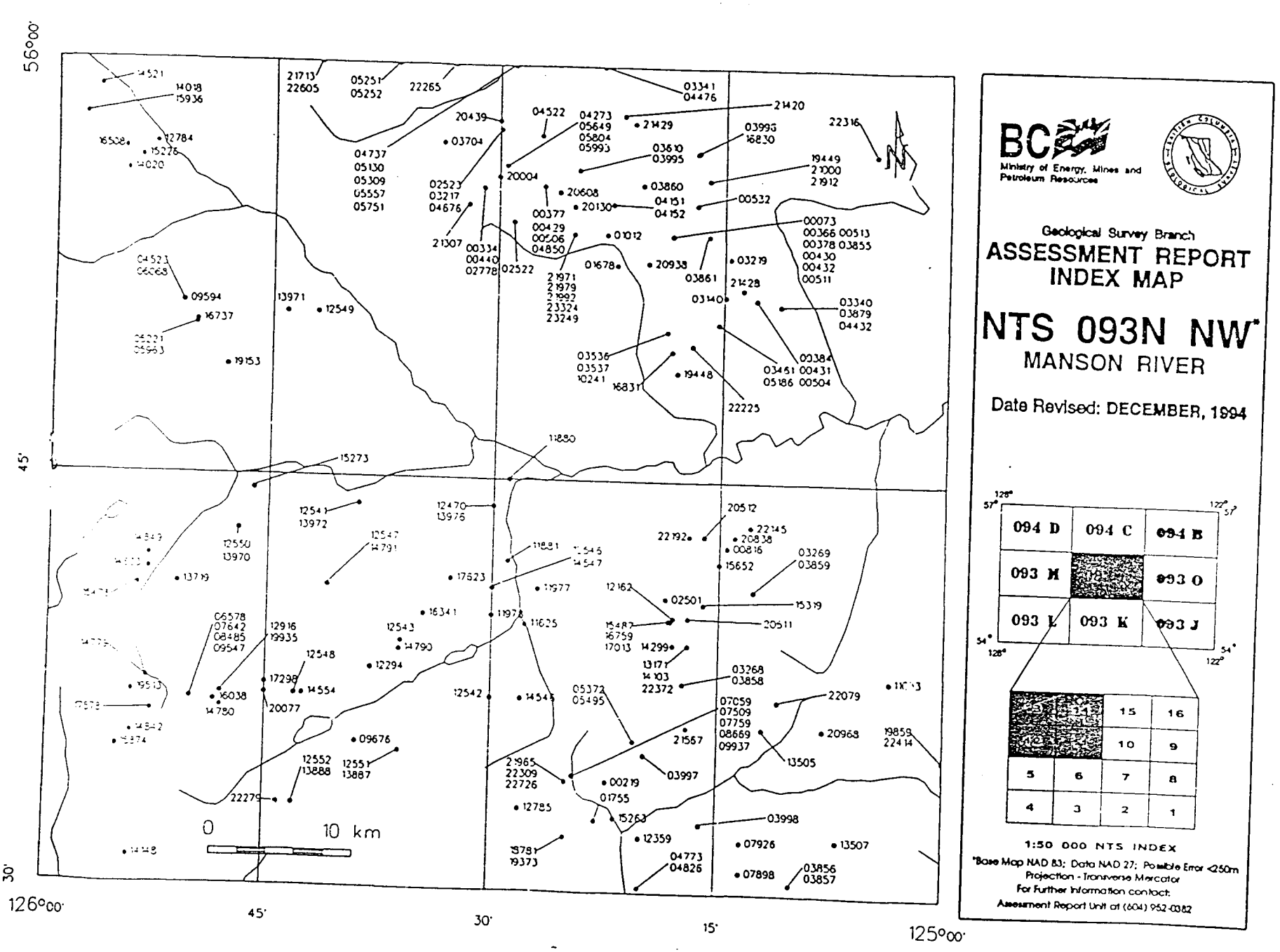


Figure 4. Generalized geology of the Kenny Creek - Mount Olson map area.

Geological Fieldwork 1996
Paper 1997-1



Legend to accompany Figure 4.



BC
Ministry of Energy, Mines and Petroleum Resources

Geological Survey Branch

ASSESSMENT REPORT INDEX MAP

NTS 093N NW*

MANSON RIVER

Date Revised: DECEMBER, 1994

094 D	094 C	094 B
093 M		093 O
093 L	093 K	093 J

		15	16
		10	9
5	6	7	8
4	3	2	1

1:50 000 NTS INDEX

*Base Map NAD 83; Data NAD 27; Possible Error <250m
Projection - Transverse Mercator
For Further Information contact:
Assessment Report Unit at (604) 952-0382


Diver Lk.
Diver Lk. Bedded Sulf.
Pillows

Summary of Prospecting Activities

1999 Season

Map Sheet# -93N 12E/12W

10 man Days spent in Early to Mid June road prospecting in the Mt bodine and Takla lake area. Nothing New found.

60 Man Days Mid September to early November

Diver Lake Grid established

Diver Lake Claims staked when examination of Massive sulphide layers in road cut at 14.8 km showed that the FePy/Pyrrhotite lens were folded and dipping at 65 to 85 degrees to the North.

Di 5 - Di 14 staked on Various dates

Di 15 and 16 Staked to cover New alteration zone discovered on the Falls River 700m East of Diver Lake. Checking out an Airborne EM anomoly discovered in Noranda's 1984 survey (private report). Rocks and soils taken over new zone.(Assays Pending)

At the 216.8 km mark an outcrop of chert/Fe/Py occurs on the north side of the road near another Noranda airborne anomonly location.

A new slash at 212 km was prospected and has exposed outcrops of Multiphased quartz eye Tonolite intrusive, minor Fe/Py and Pyrrhotite were found in outcrop.

Jim May Creek - 1.5 man days

Map Sheet# 94C-3E

Sheeted Quartz vein system restaked as the JM mineral claim. Massive Quartz vein zone up to fifty feet in width occurs in mica shists. Ruby silver occurs in minor amounts in outcrop in the old hydralic trench area.

Massive sheeted quartz Fe/Py vein float found on the claim line East along srike. General prospecting of claim area - lots of quartz vein float in the overburden covered area. Will layout a soil grid for detailed sampling in 2000.

Dust Creek - 2 man days

Map Sheet# 93M-8E

Cut helipad for access to Massive Zinc float found in 1974 during silt sampling program for Granby Mining Corp. (Grabs up to 32% Zn) Rhyolite - Andesites- Mudstones and Arg. exposed in steep Canyon of Dust Creek. Frambole FePy found in black mudstones.

Poor Weather , snow storm and short available chopper time did not allow us to revisit the original site of the zinc float discovered in 1974. Recommend more prospecting and staking claims in spring of 2000.

Bodine Showing - 3 Man Days

Map Sheet# 93N-12W

2 new soil lines 50 metres North and 50 metres south of the Recon Grid line done in 1995 (Assessment Report #24658) 21 Samples

4 claims were staked over the Geochem Anomoly MS 1-4

Prospecting of Claim area- very poor rock exposure - float found containing chalcopyrite/ Bornite/ Barite/ pyrrhotite mineralization in altered ultramafic dike float.

Beaver Pond Road access- 2 Mandays

Map Sheet# 93N-13W

Nothing new found, Dacites in outcrop. Minor chalcopyrites/ FePy/Pyrrhotite diss. Winter logging in 2000 will provide better access and perhaps more rock exposure.

New logging slashes - 8 man days

Map Sheet# 93N-12W , 93M-16E

Prospecting along western side of the Sitlika Volcanic/ Sed. Rocks, No new mineralization found.

Diver Lake Soil Results

1999

Observations Diver Soil Grid

Outcrop of Rhyolite lapilli Tuffs/ pillowed basalts/ Andesites and coarse proximal Breccia plus the Quartz eye porphry float and bedded massive suphide/cherts all indicated that a Volcanic massive sulphide enviroment exists at this showing area. A close spaced grid at 25 metre line spacing and 10 metre sampling sites on lines oriented true north + south. This grid was established to give more information on the true strike of the suphides. The road right of way takes a large section out of this grid but enough sample sites are located North and South of the road to give us an idea if our theory is correct (see grid and soil sample results). The 0+00 line was ran all the way to Diver lake at 10 metre sample intervals; a total length of 210 metres. A lot of sample sites where in heavy spruce cover and the humus layer was up to .7 of a metre deep. Some of the sample holes were one metre in diameter and one metre deep.(Actually small hand trenches) in most cases a good b-horizon was located below this deep cover. Although a few sites were finally considered a no sample after we had spent up to one and one half hours on the site trying to dig through the roots and Humus layer. A broad syncline seems to make more sense at the diver lake showing area. This structure is dipping at 65+ degrees to the north with a plunge of 85 degrees to the North east as indicated by mineral lininations in outcrop. The average strike appears to be 240 degrees.

DIVER LAKE GRID RESULTS

Soil Geochemistry

Soil samples were taken from the "B" horizon using a pick and shovel from depths of 8 cm to 1 metre. The samples were placed in Kraft wet strengh paper bags, dried, then shipped to TSL Assayers in Vancouver, B.C. for analysis. (Appendix #1)

A total of 140 samples were taken and ICP multielement Analysis was performed. The results are plotted on maps Figs 2,3,4,

Observations

Copper Copper values range from 2 ppm to 306 ppm fig.2 is contoured at 50 ppm and 100ppm. A definite trend at 240 degrees shows in the results.

Zinc Zinc values range from 29 ppm to 655 ppm fig.3 is contoured at 120 ppm and 240 ppm. The results show a definite 240 degrees trend.

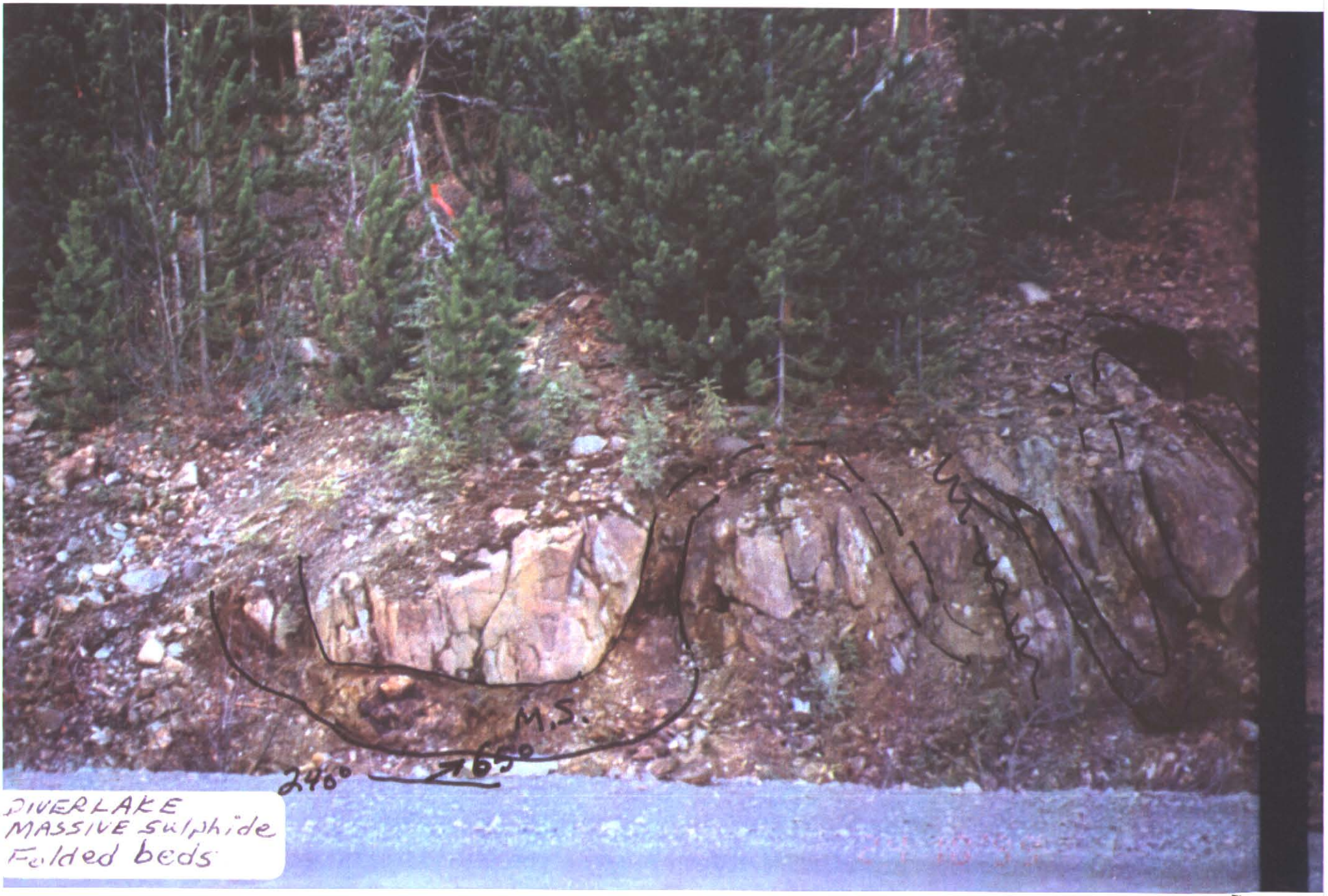
Arsenic Arsenic values range from <5 ppm to 450 ppm fig.4 is contoured at 12 ppm and 24 ppm. The arsenic anomolies correspond with the copper highs.

Conclusions

A close spaced soil grid and hand trenching demostrated that the massive sulphide occurance strikes at 240 degrees and dips steeply to the north. A significant Zn, As, Cu anomoly is open to the East and West along the Falls River Access Road.

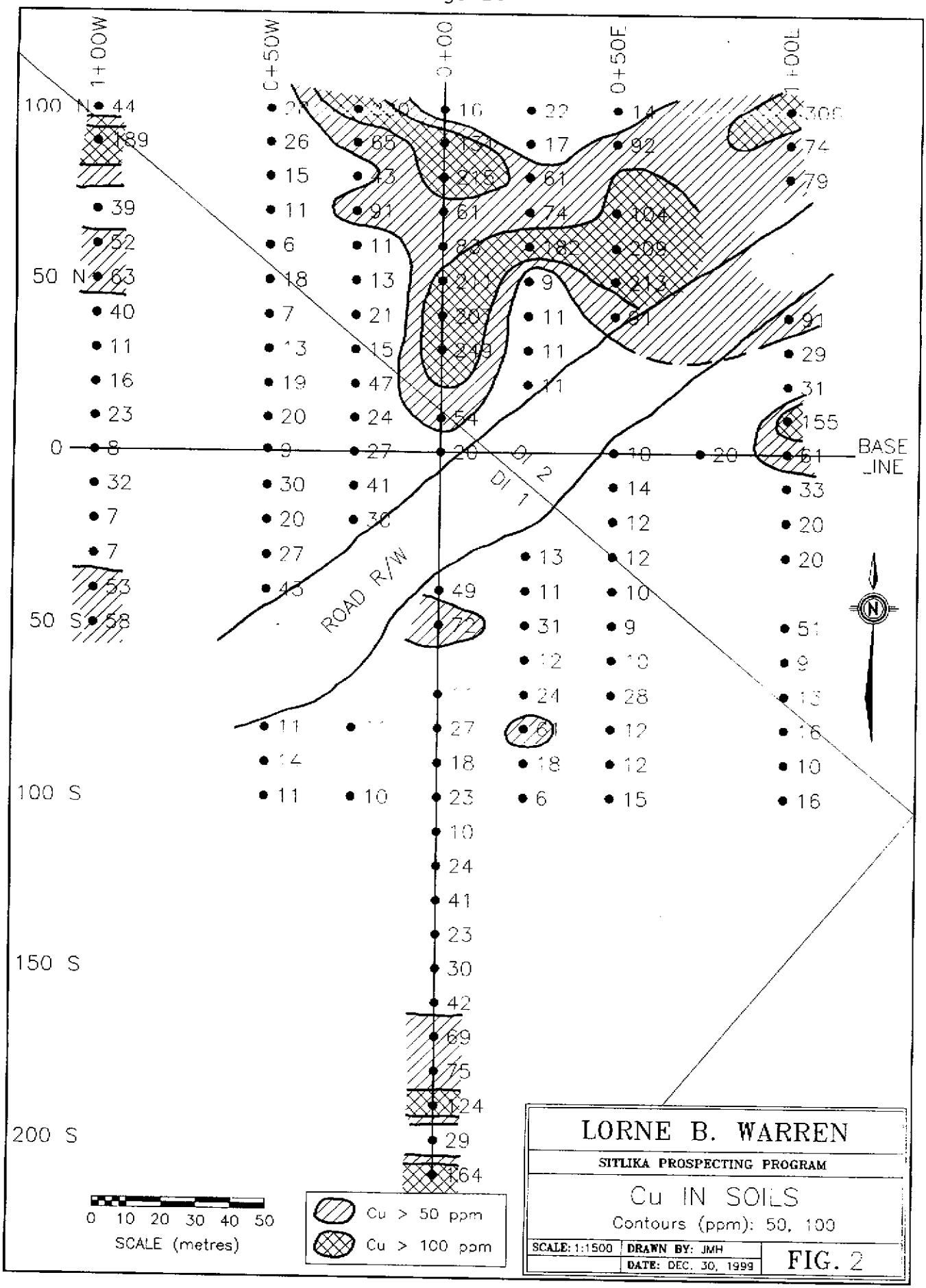
Recommendations

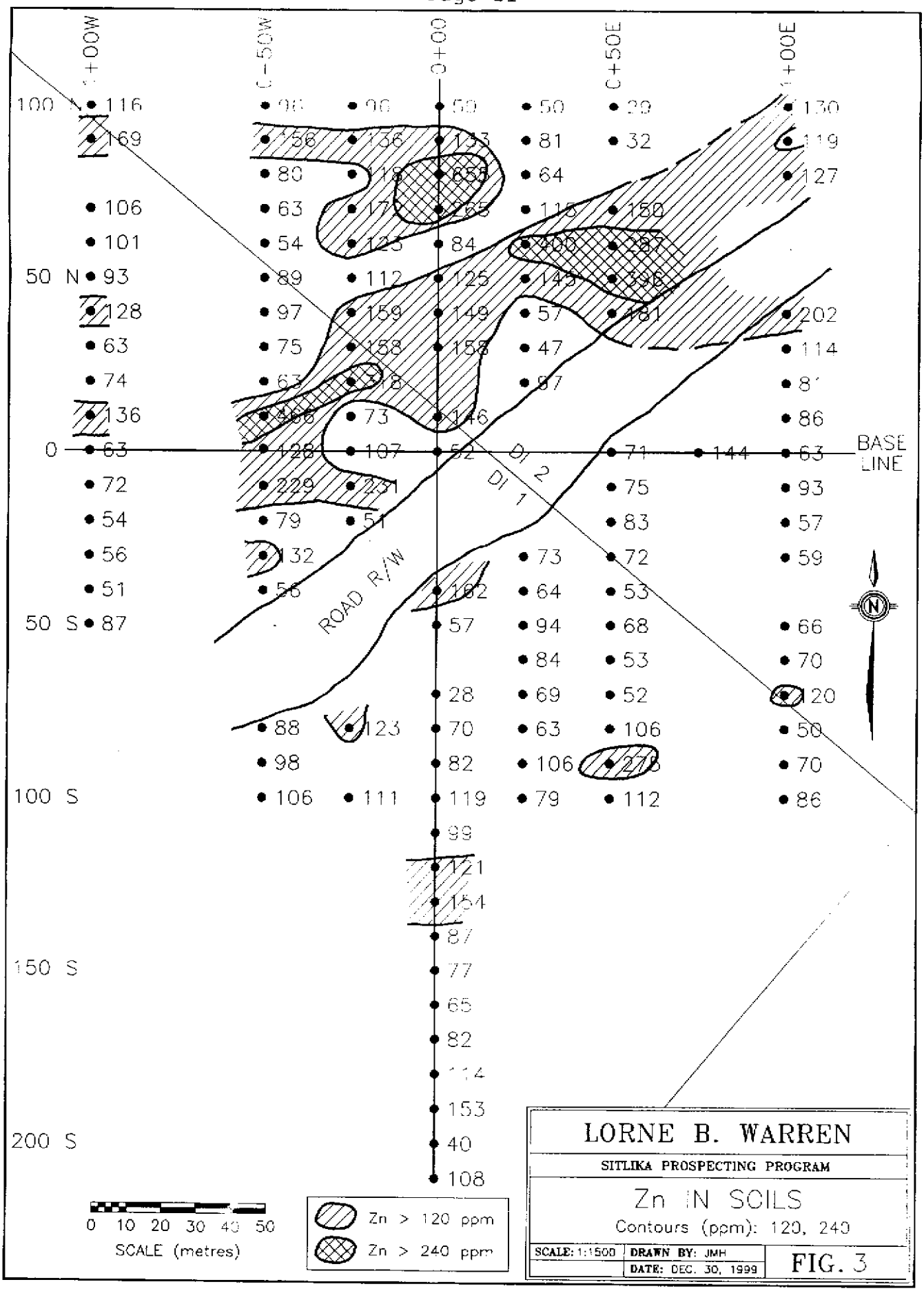
Extend the soil grid to the east and west. Do magnetometer and EM survey over the soil geochem anomoly.

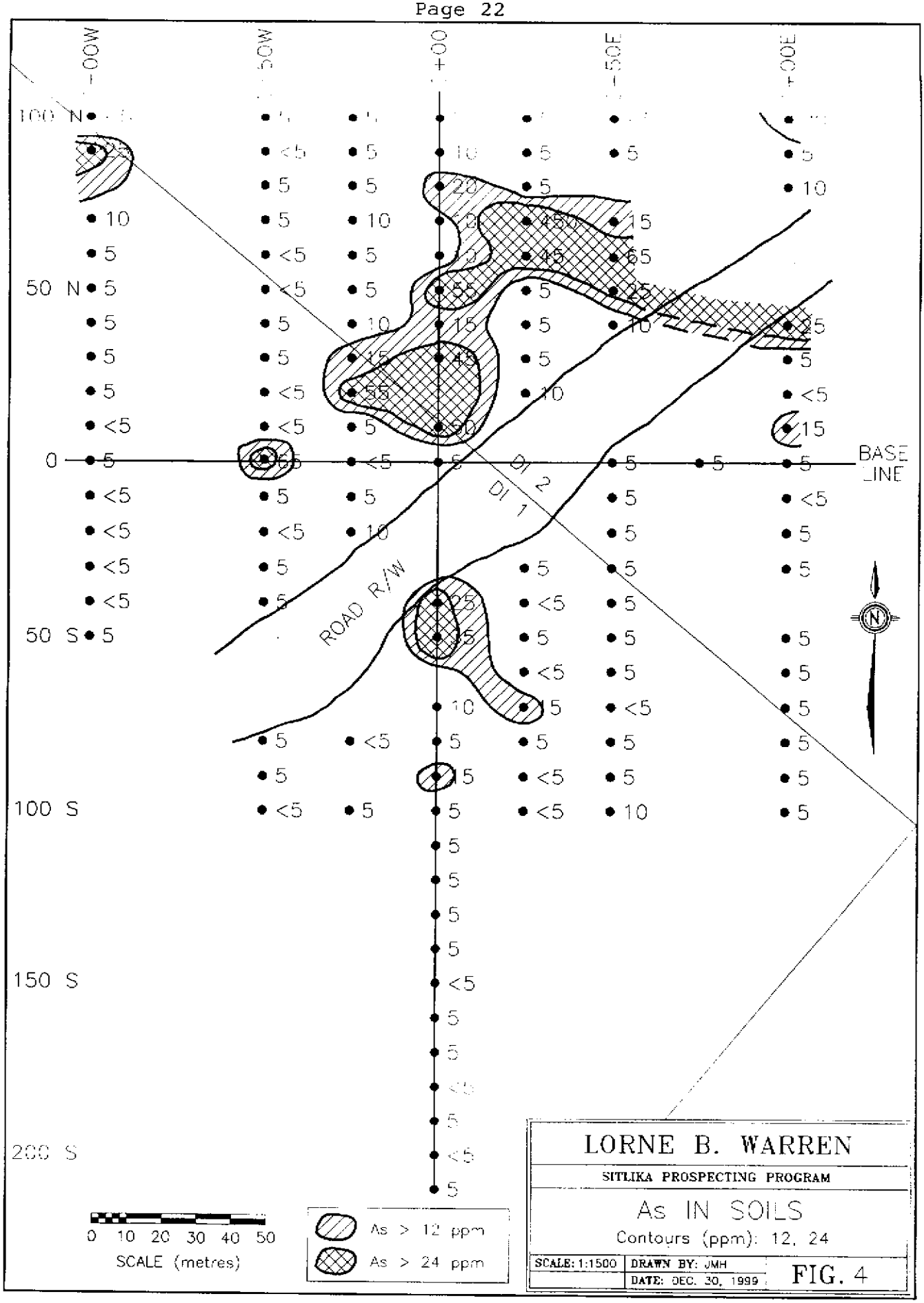


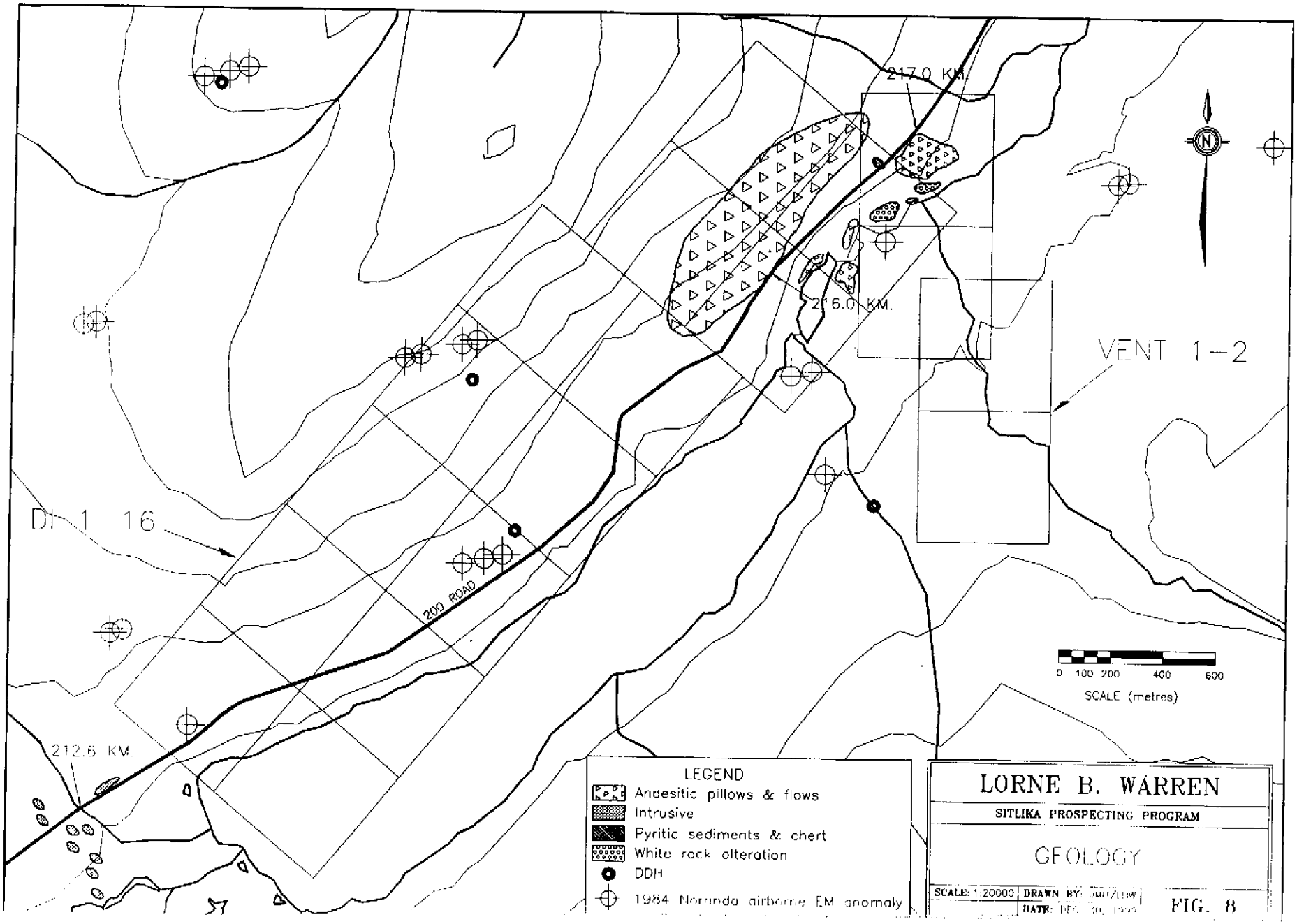
DIVERLAKE
MASSIVE sulphide
Folded beds

Massive Sulphides 214.8KM FALLS River Road


1+00W
0+50W
0+00
0+50E
1+00E
100 N
50 N
0
50 S
100 S
150 S
200 S
BASE LINE
ROAD R/W
L1
L2
0 10 20 30 40 50
SCALE (metres)
Cu > 50 ppm
Cu > 100 ppm
LORNE B. WARREN
SITLIKA PROSPECTING PROGRAM
Cu IN SOILS
Contours (ppm): 50, 100
SCALE: 1:1500
DRAWN BY: JMH
DATE: DEC. 30, 1999
FIG. 2


1+00W
0+50W
0+00
0+50E
1+00E
100 N
50 N
0
50 S
100 S
150 S
200 S
BASE LINE
ROAD R/W
DI 1
DI 2
N
0 10 20 30 40 50
SCALE (metres)
Zn > 120 ppm
Zn > 240 ppm
LORNE B. WARREN
SITLIKA PROSPECTING PROGRAM
Zn IN SOILS
Contours (ppm): 120, 240
SCALE: 1:1500
DRAWN BY: JMH
DATE: DEC. 30, 1999
FIG. 3


-00W
-50W
+00
-50E
+00E
100 N
50 N
0
50 S
100 S
150 S
200 S
BASE LINE
ROAD R/W
DI 1
DI 2
0 10 20 30 40 50
SCALE (metres)
As > 12 ppm
As > 24 ppm
LORNE B. WARREN
SITLIKA PROSPECTING PROGRAM
As IN SOILS
Contours (ppm): 12, 24
SCALE: 1:1500
DRAWN BY: JMH
DATE: DEC. 30, 1999
FIG. 4


217.0 KM.
216.0 KM.
VENT 1-2
DI 1 16
200 ROAD
212.6 KM.
N
0 100 200 400 600
SCALE (metres)
LEGEND
Andesitic pillows & flows
Intrusive
Pyritic sediments & chert
White rock alteration
DDH
1984 Noranda airborne EM anomaly
LORNE B. WARREN
SITLIKA PROSPECTING PROGRAM
GEOLOGY
SCALE: 1:20000
DRAWN BY:
DATE:
FIG. 8


Close-up
DIVER LAKE
Massive Sulphide

New Alteration Zone on the Falls River

Di 15 and 16 mineral claims

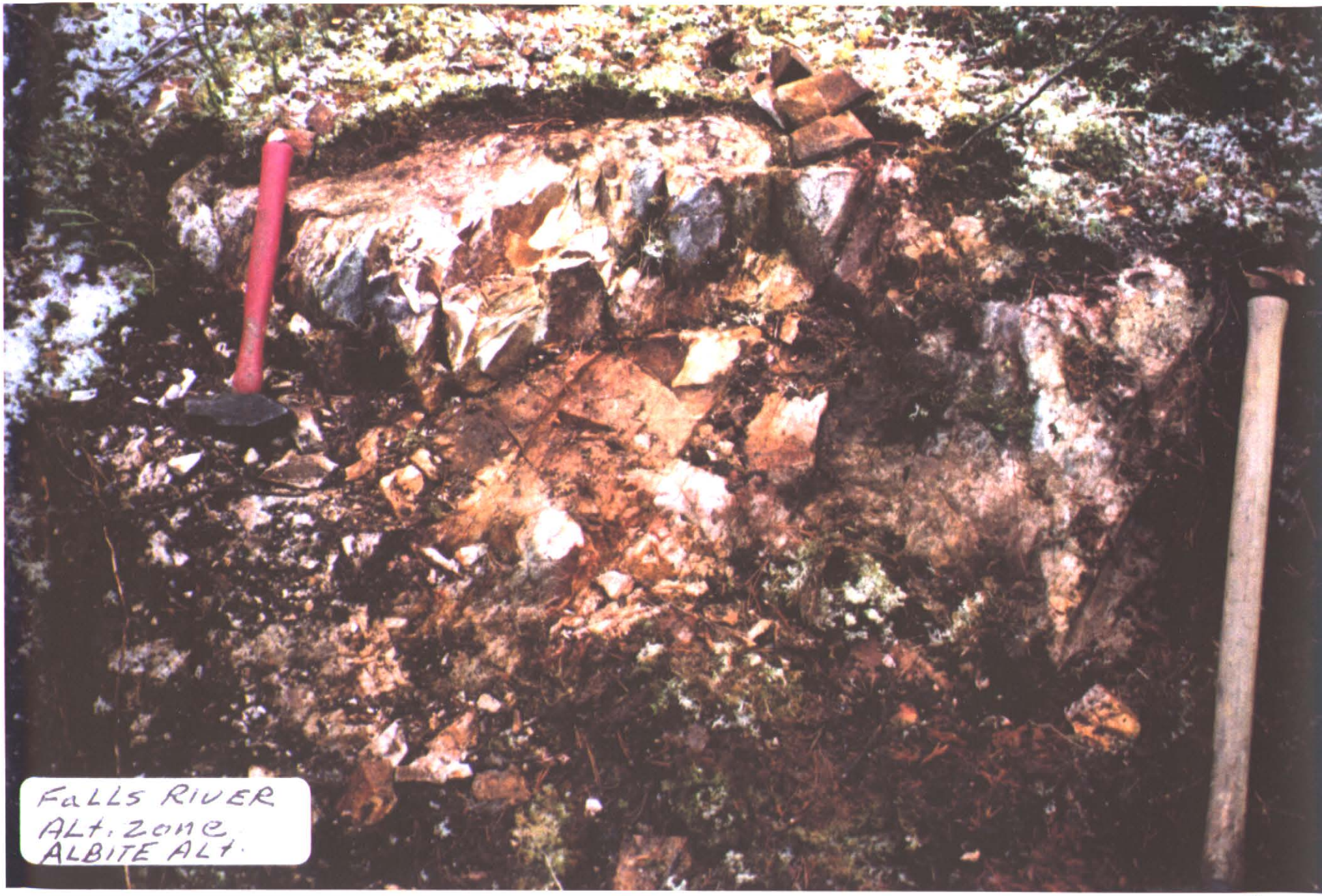
This showing was discovered by checking out one of Noranda's 1984 airborne EM anomoly sites(Private Report).

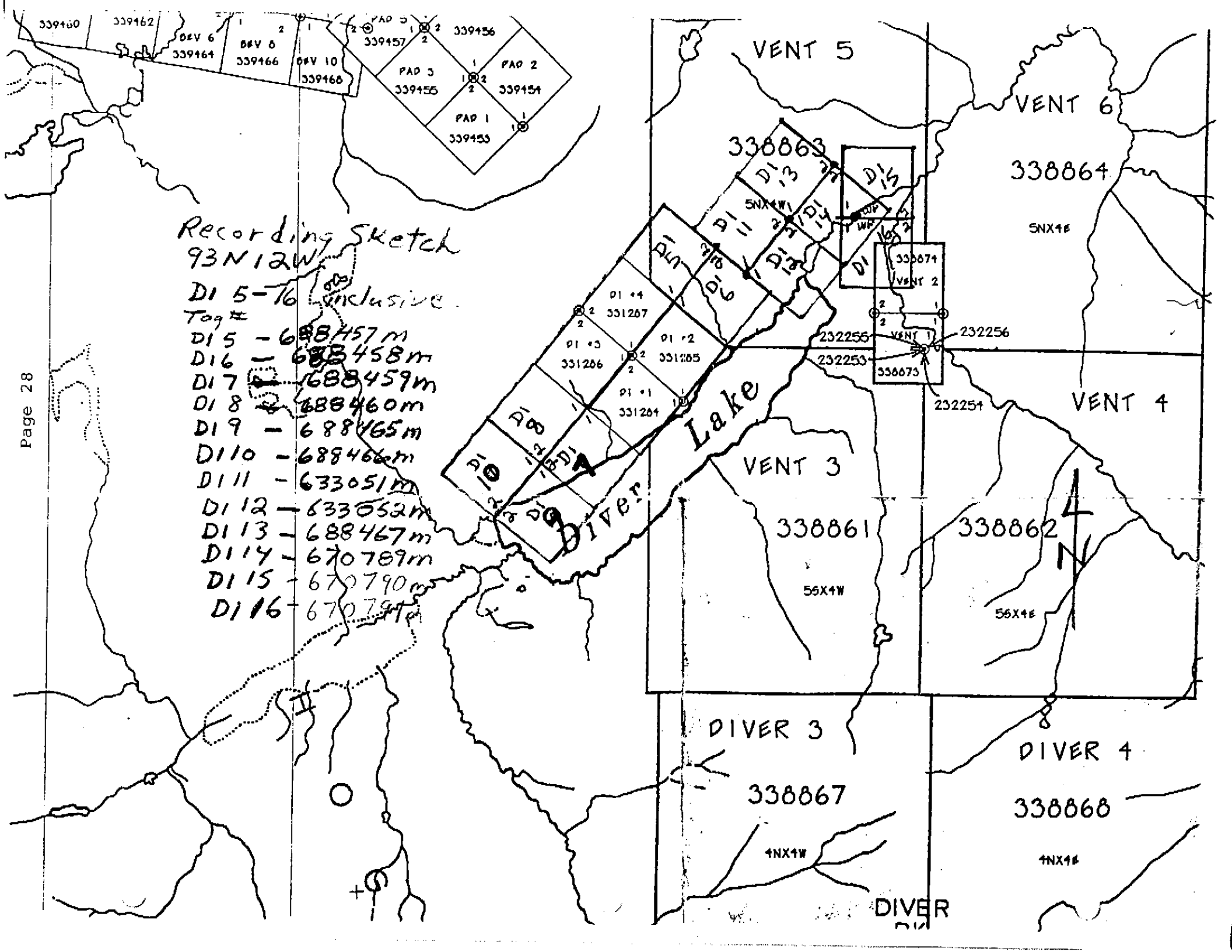
Intense biotite, sericite and albite alteration covers an area in excess of 100 metres in outcrop. Two soils were obtained on the most intense alteration and showed low levels of copper and zinc. The intense alteration package in rhyolite/andesite fragmental volcanic indicates an excellent environment for a Massive Sulphide Vocanogenic deposit (See outcrop map fig.#8). Fine Fe/Py sulphides shows up when fresh rock is obtained, on cutting the samples with a diamond Saw lapilli size fragments seen are surrounded by intense biotite/sericite alteration.

Recommendations

Establish a close spaced soil grid over the area and do soils, Magnetometer and EM survey over the alteration zone.


Falls River
Alt. Zone.
27 10 99


FALLS RIVER
ALT. ZONE
ALBITE ALT.



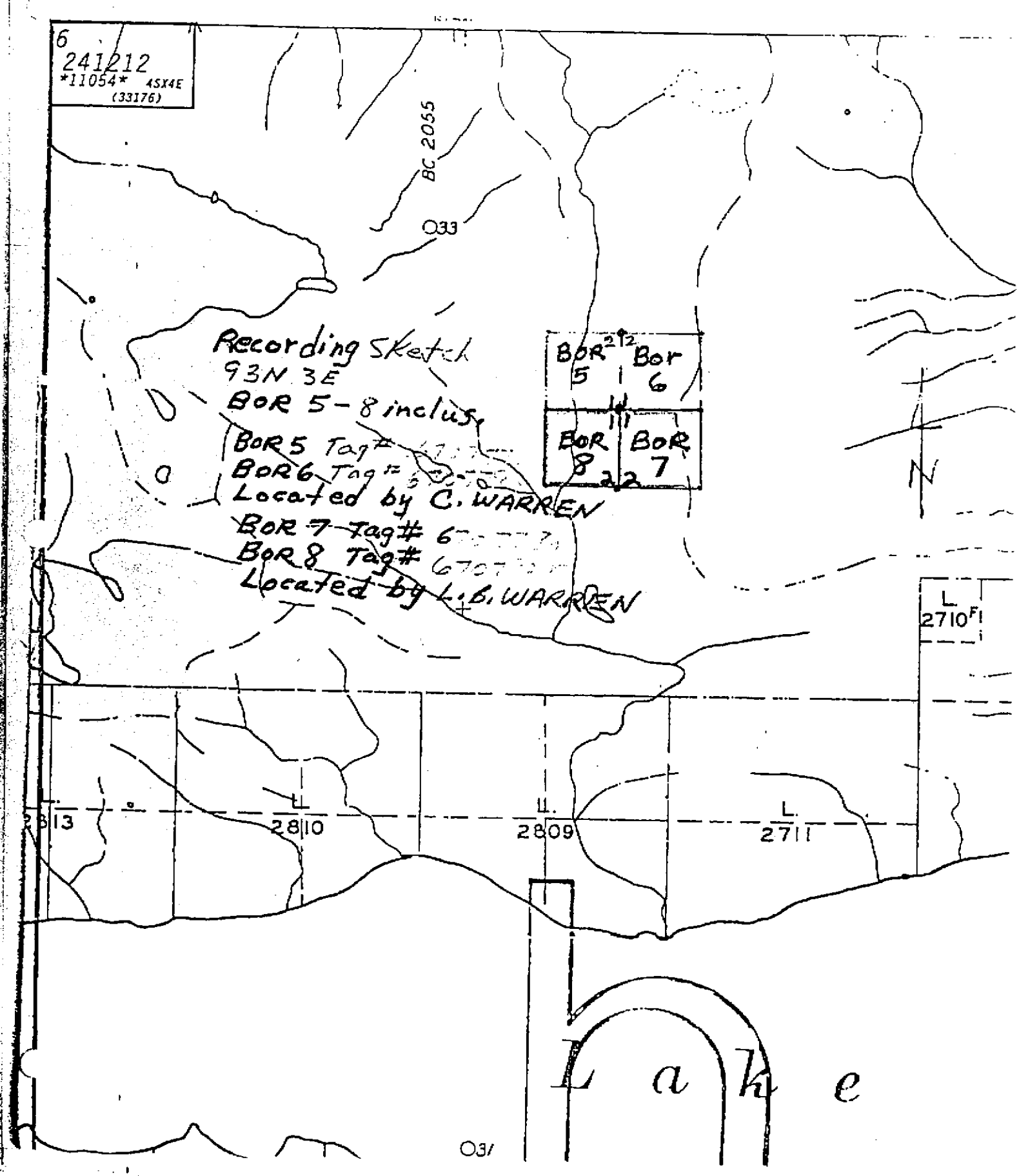
Recording Sketch
93N12W
D1 5-76 inclusive
Tag #
D1 5 - 688457m
D1 6 - 688458m
D1 7 - 688459m
D1 8 - 688460m
D1 9 - 688465m
D1 10 - 688466m
D1 11 - 633051m
D1 12 - 633052m
D1 13 - 688467m
D1 14 - 670789m
D1 15 - 670790m
D1 16 - 670791m

Tchentlo Lake Copper Occurrence

Map Sheet# 93N-3E

A day trip was made to Tchentlo Lake to stake a new copper showing at 21.5 km on the T-Road on the east side of Techentlo Lake

A Sheeted Breccia zone occurs in a road side Rock pit, Massive blebs and Crystals of chalcopyrites and Fe/Py/Arsenopyrites in syenites lots of diss. Cu. mineralization . 75 metres of mineralization along roadside rock pit. Native copper and hemitite occurs near surface. Chalcopyrite/arsenopyrite/FePy and magnetite seems to increase as fresher rock is exposed in rock cut. 4 claims Bor 1-4 were staked over this occurrance.

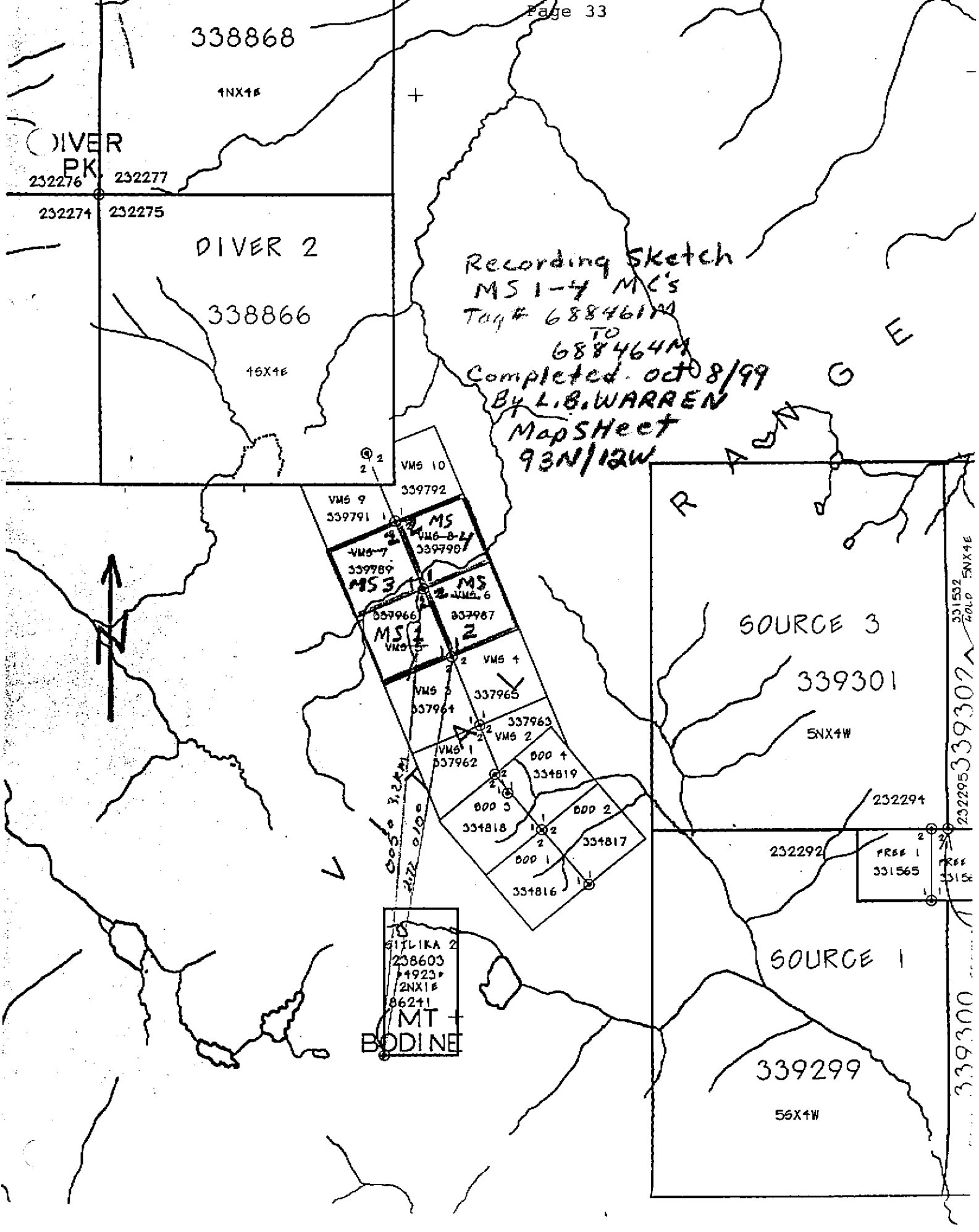

6
241212
11054 4SX4E
(33176)
BC 2055
033
Recording Sketch
93N 3E
BOR 5-8 inclus
BOR5 Tag#
BOR6 Tag#
Located by C. WARREN
BOR 7 Tag# 6
BOR 8 Tag# 670
Located by L.B. WARREN
BOR 5
BOR 6
BOR 8
BOR 7
N
L
2710 FI
L
2813
L
2810
L
2809
L
2711
Lake
031


BOR 1-4
Rock Pit
21 10 99

Results Recon Soil Grid

Mt. Bodine Area

MS 1-4 Claims


338868
4NX4E
DIVER PK.
232276
232277
232274
232275
DIVER 2
338866
16X4E
Recording Sketch
MS 1-4 MC's
Tag # 688461M
TO
688464M
Completed oct 8/99
By L.B. WARREN
Map Sheet
93N/12W
RANGE
VMS 10
339792
VMS 9
339791
MS
VMS-8-4
339790
VMS-7
339789
MS 3
MS
VMS 6
337966
337967
MS
VMS 5
VMS 4
337965
VMS 3
337964
337963
VMS 2
VMS 1
337962
BDD 4
334819
BDD 3
334818
BDD 2
334817
BDD 1
334816
SOURCE 3
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331532
GOLD
5NX4E
339302
232294
232295
232292
FREE 1
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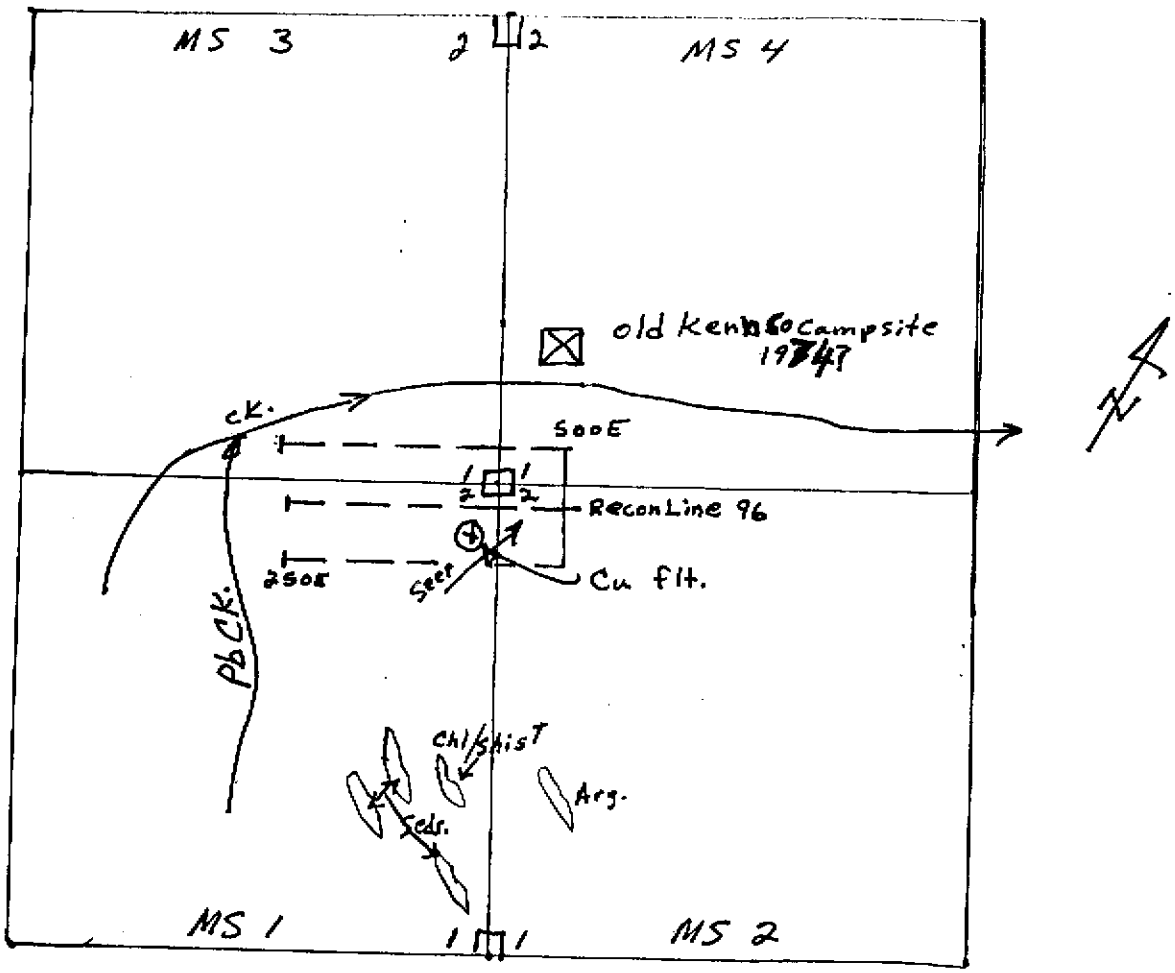
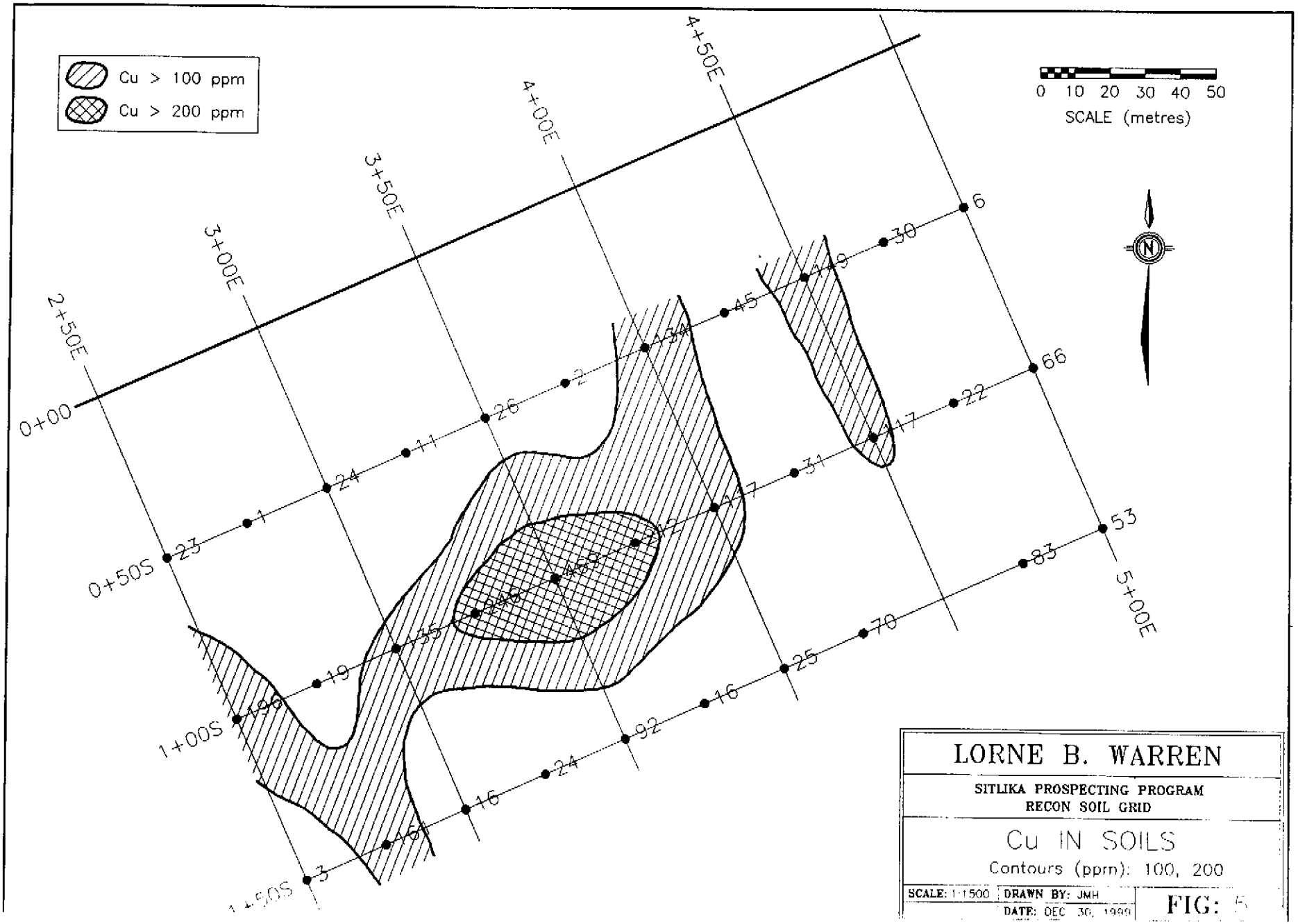
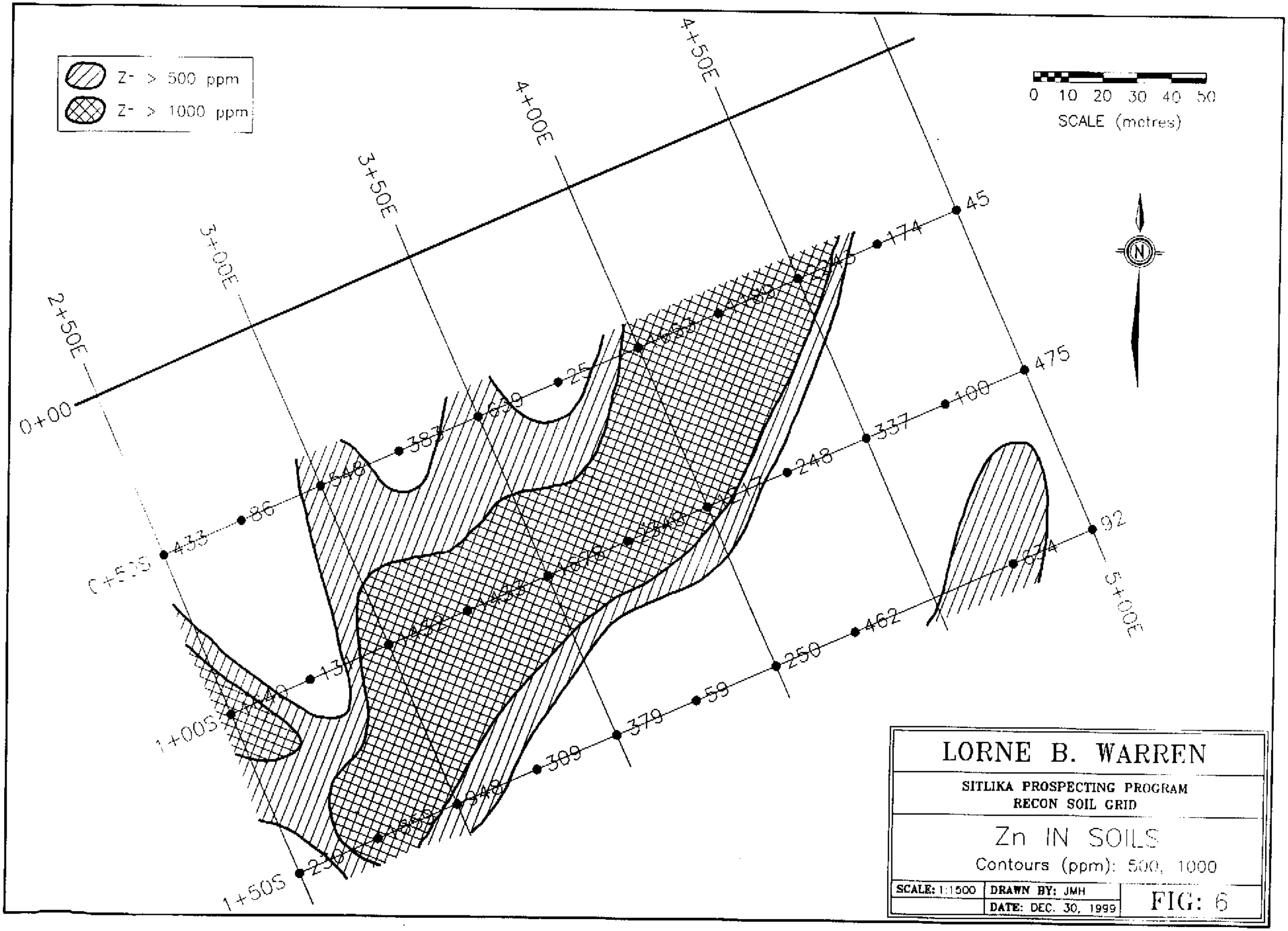
238603
4923
2NX1E
86241
MT
BODINE
N



Rough Sketch
Recon Soil Grid Area 1999
KBW.


Cu > 100 ppm
Cu > 200 ppm
0 10 20 30 40 50
SCALE (metres)
N
2+50E
3+00E
3+50E
4+00E
4+50E
5+00E
0+00
0+50S
1+00S
1+50S
LORNE B. WARREN
SITLIKA PROSPECTING PROGRAM
RECON SOIL GRID
Cu IN SOILS
Contours (ppm): 100, 200
SCALE: 1:1500
DRAWN BY: JMH
DATE: DEC 30, 1999
FIG: 5



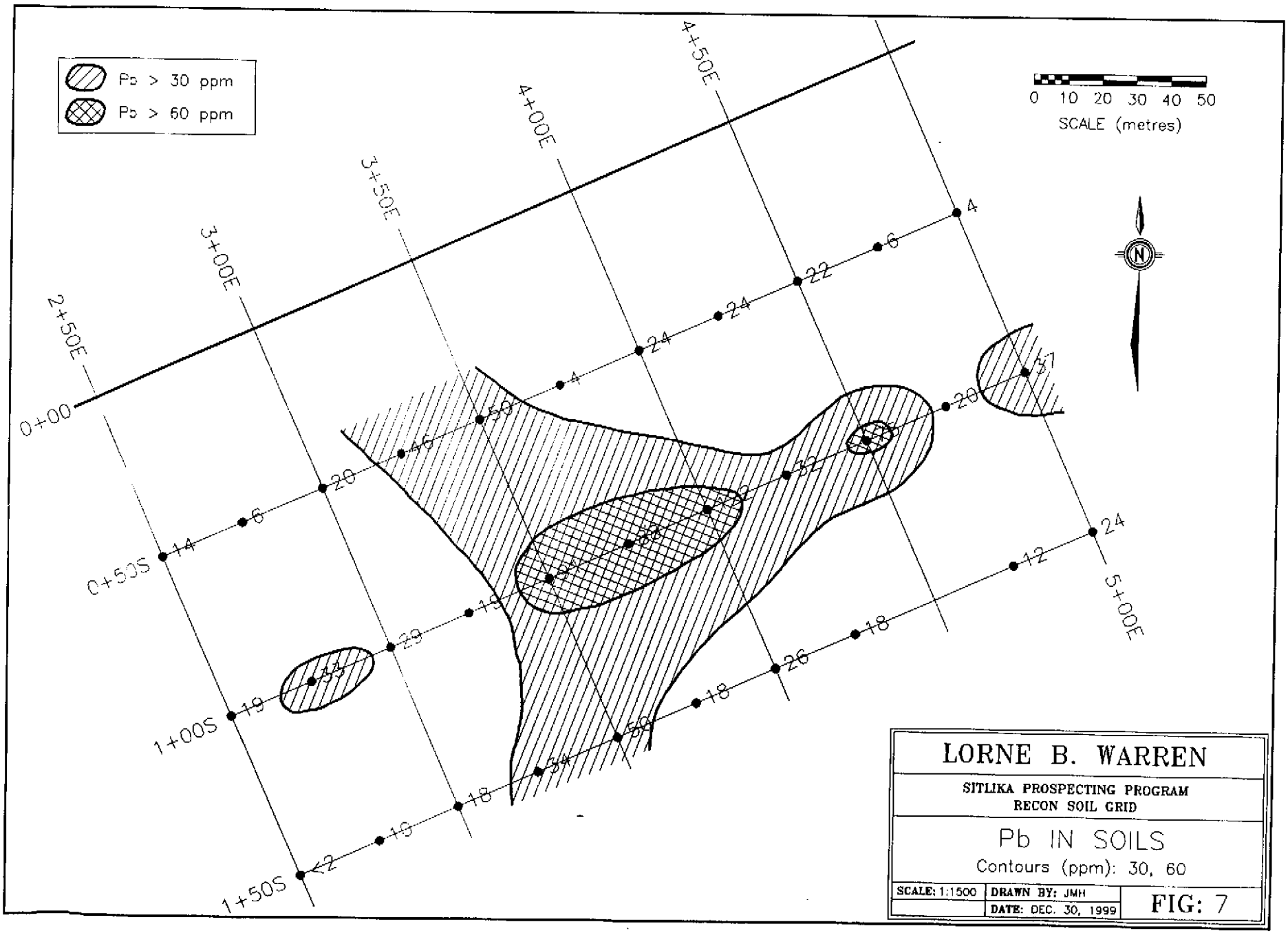
LORNE B. WARREN

SITLIKA PROSPECTING PROGRAM
RECON SOIL GRID

Zn IN SOILS

Contours (ppm): 500, 1000

SCALE: 1:1500	DRAWN BY: JMH DATE: DEC. 30, 1999	FIG: 6


Pb > 30 ppm
Pb > 60 ppm
0 10 20 30 40 50
SCALE (metres)
N
2+50E
3+00E
3+50E
4+00E
4+50E
5+00E
0+00
0+50S
1+00S
1+50S
LORNE B. WARREN
SITLIKA PROSPECTING PROGRAM
RECON SOIL GRID
Pb IN SOILS
Contours (ppm): 30, 60
SCALE: 1:1500
DRAWN BY: JMH
DATE: DEC. 30, 1999
FIG: 7

LORNE B. WARREN

STATEMENT OF QUALIFICATIONS

1963 - Geological Assistant - Mastodon Highland Bell

Gordon Hilchey - Geologist - Dome Mnt. Smithers

1964 - Geological Assistant - Phelps Dodge Corp.

Stikine Area - Northern B.C.

1965 - Prospector/Geological Assistant Native Mines

1966 - 1971 - Full time - Field Tech./line cutter/Prospector

Manex Mining Ltd. - M.J. Beley - Manager

1971 - 1979 - Granby Mining Corp. - Field Supervisor

Office Manager

Supervised Drill Programs - Logged Drill core

and logged percussion drill cuttings.

1979 - 1989 President and Manager of - CJL Enterprises Ltd.

Kengold Mines Ltd. and Angel Mines Ltd.

Placer Mining/Contract Exploration Work/

Full time Prospector

1989 - Present

President and Manager of CJL Enterprises Ltd.

Kengold Mines Ltd. and rest of time is spent

Prospecting full time.

CHRIS WARREN

STATEMENT OF QUALIFICATIONS

1990 - Completed the Smithers Exploration Group's Bush Skills Course. Worked at Duckling Creek as a Geological Assist.

1991 - Assisted in the instruction of the Smithers Ex. Bush Skills Course. Worked at Johanson Lake /Line cutting

1992 - Assisted in the instruction of the Smithers Ex. Bush Skills Course. Misc. Claim Staking Jobs / Field Assistant

1993 - Worked at a placer operation as a loader operator and did misc. claim staking jobs/ prospecting Assistant.

1994 - Worked in Manson Creek Area doing placer testing, running Magnetometer / Computer work/ claim Staking/Prospector's Assistant

1995 - Worked full time for CJL Enterprises Ltd./Field Assistant Claim Staker/Soil Sampler and Line Cutter.

1996-Present- Worked full time for CJL Enterprises Ltd. - Field Assistant

List of references:

Crosby, R.O.,1977: Report on airborne geophysical surveys, Ruth mineral claims, Takla lake area, B.C.;McIntyre Mines Ltd.; Open file assessment report No.6578.

Macleod, W.A.,1979: Assessment report on geological and geochemical surveys, Skye 1,3 through 17, mineral claims, (July1 - Aug.27,1979), Omineca mining district, B.C.Shell Resources report. BCDM Sdd. Rpt. #7642.

Macleod, W.A.,1981: Report on geological, geochemical and geophysical surveys, Ruth 1-4, Skye 7 claims, BCDM Ass. Rpt. #9547.

Patterson, I.A.,1974: Geology of the Cache Creek group and mesozonic rocks at the northern end of the Stuart lake belt, central B.C.; Geological survey of Canada; Paper 74-1, part B; pp.31.

Fiona Childe: Geochronological and Radiogenic Isotopic Investigations of VMS Deposites within Accreted Terranes of the Canadian Cordillera.

Paul Schiarizza and Gary Payie B.C.G.S.B. Geological field work 1996, paper 1997-1

1996 Warren/Angel Jade Mines - Assessment Report #24658

APPENDIX 1

Analytical results 1999

TSL Assaye Vancouver
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

CJL Enterprises Ltd
Attention: L. B. Warren
Project: Diver Grid
Sample: rock

Report No : 9V0437 RJ
Date : Nov-17-99

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
L0+00 0+60S	0.2	0.34	<5	2550	0.5	<5	0.21	<1	3	101	84	1.36	0.27	0.04	340	<2	0.04	5	670	12	<5	1	<10	105	0.01	11	<10	3	23	6
L0+00 0+20N	<0.2	3.68	<5	50	<0.5	<5	0.28	3	6	21	40	7.44	0.10	3.80	1160	<2	0.03	7	630	<2	<5	5	<10	3	0.19	43	<10	39	347	7
L0+00E 0+40S	<0.2	0.28	<5	120	<0.5	<5	0.44	<1	14	73	24	8.05	0.01	0.16	2505	<2	0.07	12	840	12	5	14	<10	33	0.13	178	<10	11	104	10

Diver Grid.

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed: _____

AP. page 1

TSL Assayers Vancouver
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

CJL Enterprises Ltd
Attention: L. B. Warren
Project: Diver Grid
Sample: soil

Report No : 9V0437 SJ
Date : Nov-17-99

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
L0+00 0+40S	<0.2	2.15	25	310	<0.5	<5	0.65	<1	27	57	49	5.72	0.03	0.69	420	2	0.01	37	460	14	<5	4	<10	25	0.29	132	<10	7	162	11
L0+00 0+50S	<0.2	1.82	35	230	0.5	<5	1.06	<1	15	47	72	4.35	0.03	0.42	605	<2	0.01	43	1370	8	<5	6	<10	41	0.05	75	<10	39	57	7
L0+00 0+70S	<0.2	1.43	10	130	<0.5	<5	1.08	<1	6	22	11	3.01	0.03	0.27	185	2	0.01	16	470	2	<5	2	<10	40	0.06	58	<10	3	28	3
L0+00 0+80S	<0.2	1.59	5	160	0.5	<5	0.77	<1	10	36	27	3.98	0.05	0.43	650	2	0.02	31	660	6	<5	5	<10	36	0.09	72	<10	22	70	5
L0+00 0+90S	<0.2	1.31	15	180	<0.5	<5	0.21	<1	8	30	18	4.31	0.04	0.24	245	2	0.01	18	410	10	<5	3	<10	17	0.09	111	<10	2	82	4
L0+00 1+00S	<0.2	1.61	5	200	<0.5	<5	0.78	<1	9	33	23	3.19	0.04	0.32	425	<2	0.01	23	470	10	<5	4	<10	28	0.06	69	<10	6	119	3
L0+00 1+10S	<0.2	1.24	5	170	<0.5	<5	0.48	<1	9	30	10	3.45	0.03	0.31	1250	2	0.01	20	350	10	<5	3	<10	23	0.08	72	<10	3	99	3
L0+00 1+20S	<0.2	1.55	5	180	<0.5	<5	0.70	<1	12	37	24	4.41	0.04	0.42	840	2	0.01	28	600	12	<5	4	<10	31	0.06	84	<10	3	121	3
L0+00 1+30S	<0.2	2.09	5	330	0.5	<5	0.83	1	14	34	41	4.06	0.05	0.31	1890	2	0.01	29	590	12	<5	6	<10	31	0.08	87	<10	59	154	4
L0+00 1+40S	<0.2	1.62	5	260	0.5	<5	0.76	<1	13	34	23	3.87	0.04	0.33	580	2	0.01	33	360	8	<5	6	<10	30	0.08	73	<10	24	87	6
L0+00 1+50S	<0.2	1.77	<5	330	0.5	<5	1.29	1	12	37	30	3.70	0.04	0.35	940	<2	0.01	31	480	8	<5	7	<10	44	0.10	70	<10	19	77	5
L0+00 1+60S	<0.2	1.51	5	210	0.5	<5	1.23	<1	6	30	42	2.91	0.03	0.28	335	<2	0.01	29	630	6	<5	4	<10	40	0.06	53	<10	12	65	3
L0+00 1+70S	0.2	1.50	5	170	0.5	<5	1.30	1	8	30	69	3.25	0.03	0.28	575	<2	0.01	31	650	6	<5	4	<10	35	0.07	50	<10	19	82	3
L0+00 1+80S	0.2	1.19	<5	160	0.5	<5	1.15	1	7	30	75	2.84	0.03	0.30	820	<2	0.01	32	710	6	<5	3	<10	33	0.05	46	<10	12	114	4
L0+00 1+90S	<0.2	1.58	5	200	0.5	<5	1.18	1	12	41	124	3.62	0.04	0.41	1165	<2	0.01	63	740	10	<5	6	<10	37	0.08	59	<10	16	153	6
L0+00 2+00S	<0.2	0.96	<5	130	<0.5	<5	1.00	<1	6	26	29	2.11	0.03	0.27	375	<2	0.01	24	640	4	<5	3	<10	31	0.04	40	<10	7	40	3
L0+00 2+10S	<0.2	1.76	5	180	0.5	<5	1.85	<1	11	43	164	3.27	0.03	0.56	1220	<2	0.01	59	1720	4	<5	3	<10	45	0.05	53	<10	24	108	4
BL0+00E 0+00	<0.2	1.88	5	190	<0.5	<5	0.11	<1	8	28	20	4.82	0.03	0.34	235	2	0.01	27	320	6	<5	3	<10	17	0.08	84	<10	2	52	4
L0+00 0+10N	<0.2	2.64	50	80	<0.5	<5	0.61	3	56	39	54	7.48	0.03	1.00	575	<2	0.01	32	500	6	<5	9	<10	12	0.24	206	<10	18	146	10
L0+00 0+30N	<0.2	1.68	45	150	0.5	<5	1.64	4	52	44	249	6.90	0.04	0.38	2550	2	0.01	62	1390	12	<5	7	<10	34	0.07	75	<10	127	158	9
L0+00 0+40N	<0.2	1.60	15	150	0.5	<5	0.80	1	9	41	207	3.89	0.05	0.42	395	<2	0.02	49	850	8	<5	9	<10	42	0.09	59	<10	66	149	7
L0+00 0+50N	<0.2	1.86	55	170	1.0	5	0.95	<1	26	45	211	8.19	0.04	0.44	1350	4	0.01	68	740	14	<5	11	<10	37	0.07	105	<10	78	125	12
L0+00 0+60N	<0.2	1.54	10	120	0.5	<5	0.63	<1	11	34	83	3.59	0.03	0.38	365	2	0.01	35	350	4	<5	5	<10	22	0.09	69	<10	28	84	4
L0+00 0+70N	<0.2	2.19	10	150	0.5	<5	0.49	1	11	41	61	3.88	0.04	0.48	360	<2	0.01	67	380	4	<5	5	<10	28	0.10	67	<10	16	265	6
L0+00 0+80N	2.6	2.58	20	250	1.0	<5	1.31	2	76	47	215	5.74	0.06	0.70	2930	2	0.01	86	1410	10	<5	13	<10	34	0.03	85	<10	50	655	9
L0+00 0+90N	<0.2	1.95	10	160	0.5	<5	0.88	1	19	42	131	4.37	0.03	0.41	1650	2	0.01	120	370	8	<5	5	<10	32	0.08	75	<10	11	133	6
L0+00 1+00N	<0.2	1.63	5	120	<0.5	<5	0.27	<1	9	28	16	4.17	0.02	0.37	225	2	0.01	20	260	2	<5	3	<10	22	0.08	89	<10	2	59	4
L0+25E 0+30S	<0.2	1.43	5	120	<0.5	<5	0.16	<1	10	32	13	4.08	0.02	0.29	235	2	0.01	21	350	10	<5	3	<10	16	0.10	96	<10	2	73	5
L0+25E 0+40S	<0.2	1.10	<5	120	<0.5	<5	0.33	<1	8	24	11	2.68	0.02	0.19	220	<2	0.01	16	250	6	<5	2	<10	20	0.07	72	<10	2	64	4
L0+25E 0+50S	<0.2	1.59	5	160	<0.5	<5	0.13	<1	8	33	31	4.53	0.03	0.28	290	<2	0.01	21	650	6	<5	3	<10	15	0.08	107	<10	2	94	3

DIVER GRID.

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H2O.

Signed: _____

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TSL Assayers Vancouver
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

CJL Enterprises Ltd
Attention: L. B. Warren
Project: Diver Grid
Sample: soil

Report No : 9V0437 SJ
Date : Nov-17-99

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
L0+25E 0+60S	<0.2	1.19	<5	150	0.5	<5	0.15	<1	8	31	12	4.21	0.03	0.27	245	2	0.01	19	530	8	<5	3	<10	19	0.09	86	<10	5	84	3
L0+25E 0+70S	<0.2	1.86	15	180	0.5	<5	0.18	<1	13	38	24	4.82	0.04	0.43	340	2	0.01	34	650	10	<5	4	<10	23	0.08	91	<10	3	69	4
L0+25E 0+80S	<0.2	1.43	5	210	0.5	<5	1.10	1	13	36	61	3.85	0.04	0.38	1700	<2	0.01	35	410	10	<5	6	<10	50	0.07	64	<10	13	63	4
L0+25E 0+90S	<0.2	1.29	<5	170	<0.5	<5	0.95	2	9	26	18	3.53	0.04	0.30	1670	<2	0.01	19	340	10	<5	3	<10	31	0.08	64	<10	3	106	3
L0+25E 1+00S	<0.2	1.06	<5	170	<0.5	<5	0.34	<1	5	22	6	3.10	0.03	0.16	195	<2	0.01	10	420	6	<5	2	<10	20	0.08	72	<10	2	79	2
L0+25E 0+20N	<0.2	1.30	10	70	<0.5	<5	0.15	<1	9	30	11	4.11	0.03	0.36	285	<2	0.01	15	460	8	<5	2	<10	10	0.14	91	<10	2	97	4
L0+25E 0+30N	<0.2	1.20	5	110	<0.5	<5	0.09	<1	5	26	11	3.56	0.02	0.21	170	2	0.01	15	400	6	<5	2	<10	15	0.08	79	<10	2	47	4
L0+25E 0+40N	<0.2	1.06	5	120	<0.5	<5	0.09	<1	5	25	11	3.24	0.03	0.20	175	<2	0.01	16	400	4	<5	2	<10	17	0.06	69	<10	2	57	4
L0+25E 0+50N	<0.2	1.32	5	120	<0.5	<5	0.24	1	11	29	9	4.03	0.04	0.43	420	2	0.01	13	490	6	<5	2	<10	12	0.24	110	<10	2	145	5
L0+25E 0+60N	<0.2	1.73	45	160	0.5	<5	1.13	1	33	51	182	5.80	0.05	0.60	920	<2	0.01	75	1050	10	<5	6	<10	37	0.12	74	<10	28	400	8
L0+25E 0+70N	0.2	2.68	450	240	<0.5	<5	0.31	<1	12	25	74	5.89	0.03	0.61	410	6	0.01	11	220	12	<5	6	<10	11	0.26	214	<10	7	115	7
L0+25E 0+80N	0.2	1.75	5	150	0.5	<5	0.90	1	15	38	61	3.65	0.03	0.41	515	<2	0.01	41	300	6	<5	4	<10	32	0.07	66	<10	5	64	4
L0+25E 0+90N	<0.2	1.60	5	220	0.5	<5	0.36	<1	12	32	17	4.56	0.04	0.30	405	2	0.01	24	620	12	<5	3	<10	27	0.08	82	<10	7	81	4
L0+25E 1+00N	<0.2	2.64	5	380	0.5	<5	0.28	<1	12	31	22	3.88	0.03	0.28	175	2	0.01	39	270	2	<5	4	<10	26	0.06	67	<10	5	50	8
L0+50E 0+10S	<0.2	1.37	5	90	<0.5	<5	0.23	<1	8	39	14	4.62	0.05	0.34	285	<2	0.01	23	670	6	<5	3	<10	17	0.08	92	<10	2	75	3
L0+50E 0+20S	<0.2	1.14	5	130	<0.5	<5	0.13	<1	7	33	12	3.27	0.03	0.34	265	<2	0.01	19	460	8	<5	3	<10	18	0.09	82	<10	2	83	3
L0+50E 0+30S	<0.2	1.38	5	190	<0.5	<5	0.17	<1	9	28	12	4.26	0.05	0.33	550	2	0.01	19	750	6	<5	3	<10	22	0.08	92	<10	2	72	3
L0+50E 0+40S	0.2	1.10	5	100	<0.5	<5	0.10	<1	7	26	10	3.63	0.03	0.23	225	<2	0.01	15	720	6	<5	2	<10	13	0.12	82	<10	1	53	3
L0+50E 0+50S	<0.2	1.23	5	170	<0.5	<5	0.17	<1	8	32	9	4.27	0.03	0.27	245	2	0.01	16	400	8	<5	3	<10	19	0.11	104	<10	2	68	4
L0+50E 0+60S	<0.2	1.64	5	200	<0.5	<5	0.26	<1	8	27	10	4.33	0.03	0.29	250	2	0.01	17	390	10	<5	3	<10	21	0.09	101	<10	2	53	4
L0+50E 0+70S	<0.2	1.32	<5	140	<0.5	<5	0.49	<1	7	29	28	2.50	0.03	0.36	280	<2	0.01	25	280	4	<5	5	<10	25	0.08	47	<10	8	52	4
L0+50E 0+80S	<0.2	1.46	5	110	<0.5	<5	0.36	<1	11	32	12	4.94	0.03	0.37	620	2	0.01	24	410	8	<5	5	<10	21	0.04	88	<10	4	106	4
L0+50E 0+90S	<0.2	1.27	5	140	<0.5	<5	0.51	1	9	29	12	3.25	0.03	0.35	1010	<2	0.01	24	380	6	<5	3	<10	25	0.10	58	<10	4	275	4
L0+50E 1+00S	<0.2	1.55	10	160	<0.5	<5	0.16	<1	9	35	15	4.49	0.03	0.36	315	2	0.01	25	970	8	<5	4	<10	15	0.06	86	<10	3	112	3
BL0+00 0+50E	<0.2	1.30	5	90	<0.5	<5	0.10	<1	7	30	10	4.43	0.05	0.28	220	2	0.01	17	440	8	<5	2	<10	12	0.10	92	<10	1	71	4
L0+50E 0+40N	<0.2	1.62	10	150	0.5	<5	0.65	2	11	31	91	3.91	0.03	0.26	1340	2	0.01	43	320	10	<5	3	<10	20	0.07	72	<10	10	181	4
L0+50E 0+50N	<0.2	1.84	25	170	0.5	<5	1.02	3	14	41	213	4.05	0.04	0.43	1420	2	0.01	88	640	8	<5	7	<10	32	0.11	59	<10	28	396	7
L0+50E 0+60N	<0.2	1.53	65	130	0.5	<5	1.31	<1	35	42	209	5.23	0.04	0.49	1375	2	0.01	52	1190	6	<5	4	<10	27	0.06	60	<10	36	287	6
L0+50E 0+70N	<0.2	2.01	15	170	0.5	<5	1.10	<1	17	53	104	4.80	0.04	0.65	585	<2	0.01	52	880	8	<5	7	<10	35	0.12	83	<10	31	150	7
L0+50E 0+90N	<0.2	1.37	5	150	0.5	<5	1.06	<1	16	21	92	2.67	0.09	0.32	825	<2	0.01	25	1060	4	<5	5	<10	25	0.02	36	<10	30	32	4

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H20.

Diver Grid.

Signed: _____

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TSL Assayers Vancouver
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

CJL Enterprises Ltd
Attention: L. B. Warren
Project: Diver Grid
Sample: soil

Report No : 9V0437 SJ
Date : Nov-17-99

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
L0+50E 1+00N	<0.2	1.17	<5	110	<0.5	<5	0.24	<1	6	21	14	3.06	0.03	0.17	140	2	0.01	12	220	8	<5	2	<10	17	0.06	71	<10	2	29	3
L1+00E 0+10S	<0.2	2.50	<5	220	0.5	<5	0.86	1	7	23	33	4.21	0.04	0.27	550	<2	0.01	29	560	8	<5	5	<10	26	0.03	48	<10	37	93	4
L1+00E 0+20S	<0.2	2.93	5	190	0.5	<5	0.21	<1	14	36	20	4.54	0.03	0.35	285	2	0.01	41	500	2	<5	5	<10	23	0.08	73	<10	5	57	9
L1+00E 0+30S	<0.2	1.70	5	230	<0.5	<5	0.11	<1	8	28	20	4.21	0.03	0.32	270	<2	0.01	25	400	6	<5	4	<10	21	0.06	79	<10	3	59	4
L1+00E 0+50S	<0.2	1.65	5	160	0.5	<5	0.73	<1	32	48	51	5.68	0.03	0.57	775	2	0.01	61	690	8	<5	6	<10	33	0.12	79	<10	15	66	7
L1+00E 0+60S	<0.2	1.40	5	120	<0.5	<5	0.12	<1	6	26	9	3.99	0.02	0.19	175	<2	0.01	15	910	6	<5	2	<10	13	0.08	75	<10	2	70	3
L1+00E 0+70S	<0.2	2.04	5	180	<0.5	<5	0.25	<1	13	45	13	5.46	0.03	0.44	280	2	0.01	28	710	10	<5	3	<10	18	0.16	106	<10	3	120	7
L1+00E 0+80S	<0.2	1.11	5	130	<0.5	<5	0.10	<1	5	25	16	2.94	0.02	0.22	185	<2	0.01	16	940	8	<5	2	<10	14	0.07	69	<10	2	50	3
L1+00E 0+90S	<0.2	1.50	5	140	<0.5	<5	0.08	<1	7	23	10	3.16	0.03	0.27	355	<2	0.01	22	930	2	<5	3	<10	11	0.06	55	<10	2	70	3
L1+00E 1+00S	<0.2	2.02	5	190	0.5	<5	0.15	<1	10	32	16	4.19	0.04	0.36	345	<2	0.01	29	1470	10	<5	3	<10	18	0.08	73	<10	2	86	3
BL0+00 1+00E	<0.2	1.51	5	150	<0.5	<5	0.81	<1	8	32	61	3.65	0.03	0.34	515	2	0.01	31	480	8	<5	3	<10	29	0.05	62	<10	11	63	4
BL1+00E	<0.2	1.53	5	160	<0.5	<5	0.80	1	11	35	48	4.38	0.03	0.31	465	2	0.01	28	370	14	<5	3	<10	27	0.11	80	<10	8	84	5
L1+00E 0+10N	<0.2	1.72	15	220	0.5	<5	1.14	<1	15	44	155	4.64	0.07	0.49	1365	<2	0.02	52	1050	10	<5	13	<10	50	0.07	72	<10	46	86	6
L1+00E 0+20N	0.2	2.04	<5	210	<0.5	<5	1.36	1	12	39	31	4.51	0.03	0.36	275	<2	0.02	34	410	10	<5	5	<10	41	0.10	90	<10	8	81	5
L1+00E 0+30N	0.2	2.99	5	300	0.5	<5	0.65	<1	18	44	29	5.62	0.04	0.44	315	<2	0.01	44	440	8	<5	5	<10	32	0.13	104	<10	6	114	11
L1+00E 0+40N	<0.2	2.18	25	210	0.5	<5	1.18	1	18	52	91	5.40	0.05	0.58	1040	2	0.01	61	650	24	<5	6	<10	40	0.10	91	<10	13	202	6
L1+00E 0+80N	<0.2	2.97	10	230	0.5	<5	0.88	<1	17	48	79	5.34	0.04	0.55	595	2	0.02	62	570	12	<5	8	<10	37	0.14	90	<10	34	127	9
L1+00E 0+90N	0.2	2.56	5	200	<0.5	<5	0.35	1	17	46	74	4.89	0.04	0.59	405	<2	0.01	62	410	8	5	5	<10	26	0.12	105	<10	5	119	8
L1+00E 1+00N	<0.2	3.29	20	320	1.0	<5	1.51	1	30	78	306	5.40	0.07	0.79	1230	<2	0.01	185	960	10	<5	18	<10	48	0.08	87	<10	44	130	11
BL0+25W 0+00	<0.2	2.48	<5	210	<0.5	<5	0.43	1	15	39	27	4.65	0.04	0.48	375	<2	0.01	39	310	4	<5	4	<10	24	0.13	89	<10	6	107	8
L0+25W 0+10N	<0.2	2.06	5	160	<0.5	<5	0.41	<1	16	46	24	4.55	0.03	0.61	425	<2	0.01	37	330	8	<5	4	<10	25	0.17	94	<10	6	73	7
L0+25W 0+20N	<0.2	3.37	55	120	0.5	<5	0.70	<1	26	24	47	6.98	0.03	0.66	625	2	0.01	93	660	8	5	5	<10	20	0.21	79	<10	39	318	12
L0+25W 0+30N	0.2	1.63	15	100	<0.5	<5	0.35	1	13	27	15	5.85	0.05	0.50	330	16	0.01	16	870	10	<5	5	<10	12	0.30	217	<10	5	158	7
L0+25W 0+40N	<0.2	2.23	10	170	<0.5	<5	0.11	1	13	37	21	5.64	0.05	0.54	380	6	0.01	33	770	6	5	4	<10	14	0.11	99	<10	6	159	4
L0+25W 0+50N	<0.2	1.44	5	170	<0.5	<5	0.14	1	10	32	13	4.30	0.03	0.27	410	<2	0.01	19	950	6	<5	3	<10	15	0.13	98	<10	3	112	3
L0+25W 0+60N	<0.2	1.36	5	130	<0.5	<5	0.25	1	11	33	11	4.05	0.04	0.31	315	2	0.01	21	480	10	<5	3	<10	17	0.11	99	<10	2	123	5
L0+25W 0+70N	0.2	2.15	10	200	0.5	<5	0.51	1	14	39	91	4.21	0.04	0.35	1160	2	0.01	92	350	8	5	6	<10	25	0.08	72	<10	18	172	6
L0+25W 0+80N	<0.2	1.86	5	140	0.5	<5	0.60	1	12	32	43	3.94	0.03	0.29	520	2	0.01	38	410	8	<5	4	<10	27	0.08	86	<10	8	118	4
L0+25W 0+90N	<0.2	2.31	5	180	0.5	<5	1.13	2	16	39	65	4.63	0.04	0.41	1855	2	0.01	56	570	10	<5	5	<10	31	0.06	85	<10	10	136	4
L0+25W 1+00N	<0.2	1.93	5	190	0.5	<5	1.11	2	26	49	220	4.20	0.03	0.45	1915	<2	0.01	147	770	10	<5	7	<10	33	0.09	71	<10	26	96	6

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H20.

DIVER GRID.

Signed: _____

Ap. Page 4

CJL Enterprises Ltd
Attention: L.B. Warren
Project: Recon
Sample: soil

TSL Assayers Vancouver
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 9V0438 SJ
Date : Nov-17-99

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
L0+25W 0+10S	<0.2	2.39	5	200	0.5	<5	0.87	1	15	47	41	4.96	0.04	0.60	1090	<2	0.02	42	360	6	<5	7	<10	35	0.10	88	<10	29	231	6
L0+25W 0+20S	<0.2	1.40	10	170	0.5	<5	0.42	<1	10	31	30	3.68	0.03	0.36	440	<2	0.01	32	230	4	<5	5	<10	31	0.07	64	<10	18	51	6
L0+25W 0+80S	<0.2	1.68	<5	190	<0.5	<5	0.64	<1	10	35	11	4.54	0.04	0.35	375	<2	0.01	18	300	8	<5	3	<10	28	0.12	96	<10	2	123	6
L0+25W 1+00S	<0.2	1.71	5	230	<0.5	<5	0.27	<1	10	32	10	5.26	0.07	0.35	440	<2	0.01	17	570	6	<5	3	<10	24	0.13	109	<10	2	111	5
BL0+50W 0+00	<0.2	2.10	65	110	<0.5	<5	0.22	<1	31	17	9	6.20	0.08	0.61	540	2	<0.01	13	710	4	<5	5	<10	7	0.15	125	<10	6	128	6
L0+50W 0+10S	<0.2	2.96	5	190	<0.5	<5	0.51	1	37	58	30	7.52	0.08	0.53	520	2	0.01	62	740	8	<5	3	<10	21	0.25	114	<10	5	229	13
L0+50W 0+20S	<0.2	2.24	<5	190	<0.5	<5	0.33	1	18	47	20	5.47	0.05	0.55	405	2	0.01	41	550	8	<5	4	<10	25	0.15	113	<10	5	79	7
L0+50W 0+30S	<0.2	2.71	5	300	<0.5	<5	0.56	<1	14	46	27	5.39	0.04	0.46	320	<2	0.01	35	460	4	<5	5	<10	36	0.13	118	<10	21	132	6
L0+50W 0+40S	<0.2	1.29	5	170	0.5	<5	0.64	<1	8	35	43	3.51	0.04	0.35	400	<2	0.01	28	510	6	<5	7	<10	42	0.06	63	<10	17	56	6
L0+50W 0+80S	<0.2	1.17	5	150	<0.5	<5	0.19	<1	8	34	11	3.85	0.06	0.30	325	<2	0.01	17	1000	8	<5	3	<10	18	0.10	89	<10	2	88	4
L0+50W 0+90S	<0.2	1.56	5	190	<0.5	<5	0.17	<1	8	34	14	3.97	0.04	0.36	325	<2	0.01	21	640	8	<5	3	<10	21	0.10	94	<10	3	98	4
L0+50W 1+00S	<0.2	1.66	<5	150	<0.5	<5	0.15	<1	8	31	11	4.52	0.04	0.34	400	<2	0.01	19	1930	4	<5	3	<10	17	0.07	84	<10	2	106	3
L0+50W 0+10N	<0.2	2.35	<5	160	0.5	<5	0.31	1	19	39	20	5.74	0.04	0.43	615	<2	0.01	34	620	8	<5	3	<10	18	0.13	94	<10	4	466	5
L0+50W 0+20N	<0.2	1.56	<5	120	<0.5	<5	0.24	<1	13	36	19	3.93	0.03	0.42	260	<2	0.01	30	320	2	<5	3	<10	18	0.13	71	<10	4	63	4
L0+50W 0+30N	<0.2	1.47	5	120	<0.5	<5	0.19	<1	9	34	13	4.35	0.04	0.35	240	2	0.01	20	520	6	<5	3	<10	19	0.12	98	<10	2	75	4
L0+50W 0+40N	<0.2	1.06	5	80	<0.5	<5	0.13	<1	6	23	7	3.58	0.02	0.27	185	6	<0.01	12	350	6	<5	3	<10	10	0.10	98	<10	4	97	4
L0+50W 0+50N	<0.2	1.73	<5	150	<0.5	<5	0.38	1	10	31	18	3.19	0.03	0.40	265	<2	0.01	24	250	<2	<5	4	<10	28	0.07	60	<10	4	89	4
L0+50W 0+60N	<0.2	1.27	<5	120	<0.5	<5	0.32	<1	7	22	6	3.40	0.03	0.24	315	<2	0.01	10	250	8	<5	2	<10	18	0.11	83	<10	3	54	3
L0+50W 0+70N	<0.2	1.46	5	100	<0.5	<5	0.17	<1	8	31	11	3.70	0.03	0.39	235	2	0.01	21	280	4	<5	3	<10	17	0.07	79	<10	2	63	4
L0+50W 0+80N	<0.2	1.66	5	160	<0.5	<5	0.20	<1	10	28	15	4.13	0.03	0.34	385	2	0.01	23	320	6	<5	3	<10	20	0.06	88	<10	2	80	4
L0+50W 0+90N	<0.2	2.68	<5	130	0.5	<5	0.87	1	9	19	26	4.89	0.03	0.31	765	2	0.01	20	570	4	<5	4	<10	24	0.07	52	<10	21	156	3
L0+50W 1+00N	<0.2	2.40	5	140	0.5	<5	0.29	<1	13	43	28	5.08	0.03	0.37	290	2	0.01	41	380	6	<5	4	<10	18	0.07	102	<10	6	96	4
L1+00W 0+10S	<0.2	2.53	<5	60	<0.5	<5	0.33	<1	42	79	32	7.08	0.02	1.12	540	<2	0.01	55	840	<2	<5	4	<10	10	0.52	154	<10	5	72	11
L1+00W 0+20S	<0.2	1.77	<5	80	<0.5	<5	0.41	<1	27	64	7	5.50	0.03	0.70	425	<2	0.01	26	560	2	<5	3	<10	12	0.55	162	<10	4	54	8
L1+00W 0+30S	<0.2	1.58	<5	100	<0.5	<5	0.37	<1	15	56	7	4.98	0.03	0.65	315	<2	0.01	23	450	2	<5	3	<10	17	0.38	153	<10	4	56	7
L1+00W 0+40S	<0.2	1.99	<5	160	0.5	<5	0.46	<1	11	33	53	3.64	0.03	0.34	465	<2	0.01	37	240	6	<5	4	<10	23	0.08	75	<10	7	51	4
L1+00W 0+50S	<0.2	1.70	5	170	0.5	<5	0.59	<1	10	40	58	3.55	0.04	0.47	425	<2	0.02	44	400	4	<5	7	<10	36	0.11	64	<10	16	87	6
BL1+00W 0+00	0.2	1.27	5	80	<0.5	<5	0.23	<1	12	31	8	4.48	0.03	0.44	365	<2	0.01	18	520	6	<5	3	<10	13	0.20	110	<10	3	63	4
L1+00W 0+10N	<0.2	2.43	<5	250	0.5	<5	1.11	2	16	33	23	5.02	0.04	0.34	4085	<2	0.01	31	650	8	<5	6	<10	33	0.13	74	<10	15	136	5
L1+00W 0+20N	<0.2	2.21	5	140	0.5	<5	0.63	<1	6	29	16	3.22	0.03	0.25	185	2	0.01	22	490	6	<5	3	<10	26	0.05	73	<10	8	74	3

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H20.

DIVER GRID

Signed: _____

Ap Pages

CJL Enterprises Ltd
Attention: L.B. Warren
Project: Recon
Sample: soil

TSL Assayers Vancouver
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 9V0438 SJ
Date : Nov-17-99

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
L1+00W 0+30N	<0.2	1.57	5	110	<0.5	<5	0.17	<1	6	29	11	4.10	0.03	0.27	225	2	0.01	15	340	10	<5	3	<10	15	0.08	86	<10	4	63	3
L1+00W 0+40N	<0.2	2.59	5	200	0.5	<5	1.15	<1	12	35	40	4.71	0.04	0.34	665	2	0.01	39	570	6	<5	5	<10	29	0.05	76	<10	25	128	5
L1+00W 0+50N	<0.2	2.09	5	170	0.5	<5	0.99	1	10	35	63	4.17	0.04	0.35	1265	2	0.01	36	400	6	<5	7	<10	36	0.05	70	<10	23	93	5
L1+00W 0+60N	<0.2	1.84	5	130	0.5	<5	0.82	1	8	32	52	3.71	0.03	0.32	550	<2	0.01	30	330	6	<5	4	<10	30	0.08	59	<10	17	101	4
L1+00W 0+70N	<0.2	2.74	10	190	0.5	<5	0.72	1	13	42	39	4.73	0.05	0.49	530	2	0.01	40	440	8	<5	5	<10	30	0.07	94	<10	11	106	5
L1+00W 0+90N	0.2	2.78	25	130	1.0	<5	1.30	1	9	37	189	3.53	0.04	0.38	400	<2	0.01	73	680	8	<5	9	<10	36	0.04	51	<10	99	169	6
L1+00W 1+00N	<0.2	2.34	<5	130	<0.5	<5	0.51	2	23	42	44	5.15	0.03	0.60	1530	<2	0.01	37	320	8	<5	4	<10	17	0.20	123	<10	9	116	7

Diver Grid 140 Samples.

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H20.

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Ap. Page 1

TSL Assayers Vancouver
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

CJL Enterprises Ltd
Attention: L. B. Warren
Project: Diver Grid
Sample: soil

Report No : 9V0439 SJ
Date : Nov-17-99

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
LV0+50S 2+50E	<0.2	1.33	5	200	<0.5	<5	0.43	1	4	12	23	2.03	0.06	0.39	380	<2	0.01	7	480	14	<5	2	<10	44	0.06	34	<10	7	433	2
LV0+50S 2+75E	<0.2	0.74	<5	80	<0.5	<5	0.03	<1	2	5	1	0.74	0.03	0.15	80	<2	<0.01	1	140	6	<5	1	<10	5	0.05	21	<10	3	86	1
LV0+50S 3+00E	<0.2	1.35	<5	200	<0.5	<5	0.41	2	5	14	24	1.91	0.05	0.40	710	<2	0.01	8	500	20	<5	2	<10	36	0.10	41	<10	10	548	2
LV0+50S 3+25E	<0.2	1.77	5	110	<0.5	<5	0.48	1	8	22	11	5.68	0.05	0.78	610	<2	<0.01	11	400	46	<5	3	<10	35	0.18	63	<10	4	383	4
LV0+50S 3+50E	<0.2	2.01	10	120	<0.5	<5	0.60	1	8	19	26	5.12	0.04	0.39	375	<2	0.01	14	980	50	<5	3	<10	44	0.09	60	<10	20	639	4
LV0+50S 3+75E	<0.2	1.20	<5	40	<0.5	<5	0.05	<1	3	6	2	1.80	0.03	0.21	135	<2	<0.01	3	220	4	<5	2	<10	6	0.11	42	<10	4	25	1
LV0+50S 4+00E	<0.2	2.53	15	140	0.5	<5	0.60	6	12	32	134	4.18	0.08	0.77	2680	2	0.01	35	2080	24	<5	5	<10	46	0.04	38	<10	62	1653	5
LV0+50S 4+25E	<0.2	2.05	5	190	<0.5	<5	0.11	1	12	31	45	4.23	0.06	0.71	1265	<2	<0.01	13	620	24	<5	2	<10	14	0.03	48	<10	10	1189	2
LV0+50S 4+50E	<0.2	3.37	35	170	0.5	<5	0.95	4	15	45	149	5.73	0.07	0.88	2035	<2	0.01	49	1900	22	5	11	<10	80	0.05	70	<10	69	2243	6
LV0+50S 4+75E	0.2	2.09	5	200	<0.5	<5	0.67	<1	7	60	30	2.93	0.07	1.10	405	<2	0.01	14	840	6	<5	5	<10	62	0.11	56	<10	18	174	3
LV0+50S 5+00E	<0.2	1.83	<5	110	<0.5	<5	0.05	<1	4	34	6	2.45	0.03	0.44	195	<2	<0.01	6	370	4	<5	3	<10	6	0.03	77	<10	2	45	2
LV1+50S 2+50E	<0.2	1.76	<5	170	<0.5	<5	0.23	1	1	24	3	0.92	0.05	0.34	95	<2	0.01	4	450	<2	<5	2	<10	21	<0.01	50	<10	1	230	1
LV1+50S 2+75E	0.2	3.78	15	140	0.5	<5	0.93	9	9	40	161	3.53	0.05	0.53	1900	2	0.01	44	2840	10	<5	7	<10	64	0.01	26	<10	63	1859	6
LV1+50S 3+00E	<0.2	2.26	15	170	<0.5	<5	0.32	1	8	44	16	3.89	0.03	0.87	370	<2	<0.01	21	530	18	<5	4	<10	28	0.08	68	<10	7	948	3
LV1+50S 3+25E	0.2	1.28	15	110	<0.5	<5	0.71	1	6	18	24	3.00	0.04	0.47	320	<2	<0.01	10	710	34	<5	2	<10	56	0.06	37	<10	7	309	2
LV1+50S 3+50E	0.6	2.03	35	110	0.5	<5	0.83	<1	11	28	92	4.08	0.06	0.57	675	<2	0.01	31	860	50	<5	4	<10	62	0.06	39	<10	52	379	3
LV1+50S 3+75E	<0.2	1.68	10	40	<0.5	<5	0.02	<1	5	22	16	3.96	0.02	0.39	155	<2	<0.01	10	360	18	<5	3	<10	4	0.07	64	<10	1	59	2
LV1+50S 4+00E	<0.2	1.51	30	100	<0.5	<5	0.40	<1	11	32	25	4.09	0.03	0.86	445	<2	<0.01	25	430	26	<5	3	<10	28	0.07	51	<10	3	250	3
LV1+50S 4+25E	0.2	2.06	20	110	0.5	<5	0.71	<1	11	35	70	4.73	0.08	1.16	860	<2	0.01	31	1130	18	<5	7	<10	51	0.07	53	<10	54	462	4
LV1+50S 4+75E	0.2	1.87	20	110	0.5	<5	0.47	<1	9	34	83	4.15	0.10	0.96	590	<2	0.01	26	860	12	<5	5	<10	38	0.09	52	<10	37	634	6
LV1+50S 5+00E	1.2	2.31	<5	100	0.5	<5	0.04	1	10	39	53	6.80	0.06	0.66	365	<2	0.01	46	750	24	5	2	<10	25	0.02	56	<10	7	92	4
BL0+75E	<0.2	3.10	5	370	0.5	<5	0.52	<1	12	36	20	6.17	0.04	0.78	655	2	0.01	32	620	8	<5	5	<10	58	0.10	106	<10	4	144	6
WRS-1	<0.2	1.62	5	240	<0.5	<5	0.13	<1	9	51	12	4.98	0.05	0.40	475	2	0.01	28	1980	6	<5	3	<10	23	0.12	100	<10	3	98	5
WRS-2	<0.2	2.36	5	110	0.5	<5	0.11	<1	7	44	10	3.93	0.03	0.31	260	2	0.01	21	1480	<2	<5	3	<10	13	0.10	71	<10	4	127	4

— RECON GRID 99. 21 Samples.
— W.R. Alteration Zone 2 Samples.

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed: _____

Ap. Page 1

TSL Assayers Vancouver
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Ap Page 8

Assay Certificate

9V-0436-RA1

Company: **CJL Enterprises Ltd**
Project: BOR
Attn: L. B. Warren

Nov-17-99

We *hereby certify* the following assay of 4 rock samples submitted Nov-05-99 by L. B. Warren.

Sample Name	Au g/tonne	Au g/tonne	Ag g/tonne	Cu %	
BOR 1 #5513 A	0.03		5.4	0.629	Grab - Mafic int. Diss. Chalco.
BOR 2 #5514 A	0.01		2.1	0.387	Grab - Qz Carb Altrd Int.
BOR 3 #5515 A	0.33	0.31	15.2	3.130	Mafic Int. Highgrade
BOR 4 #5516 A	0.01		1.8	0.031	Grab across 15 ft.
*DUP BOR 1 #5513 A			5.2	0.630	
*MP-1a			14.0	0.287	Labo Check Samples.
*97-3	1.36				
*Blank	0.01		<0.1	<0.001	

Certified by

TSL Assayers Vancouver
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

TSL Assayers Saskatoon
#2 - 302 East 48th Street
Saskatoon, Saskatchewan
S7K 6A4
Tel: (306) 931-1033 Fax: (306) 242-4717

TSL Assayers Swastika
1 Cameron Ave.
Swastika, Ontario
P0K 1T0
Tel: (705) 642-3244 Fax: (705) 642-3300

TSL Assayers Vancouver
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

CJL Enterprises Ltd
Attention: L. B. Warren
Project: BOR
Sample: rock

Report No : **9V0436 RJ**
Date : Nov-17-99

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
BOR 1 #5513 A	3.6	2.36	<5	90	<0.5	<5	1.05	<1	130	100	6292	7.59	0.78	1.85	785	52	0.08	20	2360	14	<5	9	<10	41	0.29	195	<10	7	128	6
BOR 2 #5514 A	1.0	0.89	<5	90	0.5	<5	7.14	<1	15	24	3776	9.23	0.41	1.86	5275	<2	0.02	12	1690	16	5	15	<10	117	<0.01	55	<10	8	8	6
BOR 3 #5515 A	14.8	2.60	<5	10	<0.5	<5	0.52	1	319	46	>10000	>15.00	0.38	1.99	850	<2	0.02	61	2780	54	5	12	<10	12	0.23	213	<10	5	149	15
BOR 4 #5516 A	8.2	1.98	<5	150	<0.5	<5	1.46	<1	17	74	288	5.48	0.40	1.73	885	8	0.10	12	2270	6	<5	8	<10	64	0.24	177	<10	8	71	5

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed: _____

Ap. Page 9

125° 48'

93N13W 93N13E

93N12W 93N12E

55° 42'

1700 1600 1500 1400 1300 1200 1100

1100 1200 1300 1400 1500 1600

1500 1400 1300 1200 1100 1000

221.2 KM.

217.0 KM.

216.0 KM.

212.6 KM.

DI 13 372968

DI 14 372969

DI 15 372970

DI 16 372971

DI 11 372966

DI 12 372967

DI 5 372960

DI 6 372961

DI 4 331287

DI 2 331285

DI 3 331286

DI 1 331284

DI 8 372963

DI 7 372962

DI 10 372965

DI 9 372964

VENT 2 338874

VENT 1 338873

N

0 500 1000 1500 2000

SCALE (metres)

LEGEND

- DIAMOND DRILL HOLE
- CLAIM POST
- 100 METRE CONTOUR INTERVAL

LORNE B. WARREN

SITLIKA PROSPECTING PROGRAM

COMPILATION, NORTH HALF

SCALE: 1:20000	**DRAWN BY:** LBW, JMH	**FIG. 1A**
	DATE: DECEMBER 30, 1999	

99-28 (1)

93N12W 93N12E

125° 48'

55° 36'

93N/062

DDH MB 89-1

DDH MB 89-2

MS 3 372499 | MS 4 372500

MS 1 372497 | MS 2 372498

N

0 500 1000 1500 2000

SCALE (metres)

LEGEND

- DIAMOND DRILL HOLE
- CLAIM POST
- 100 METRE CONTOUR INTERVAL

LORNE B. WARREN

SITLIKA PROSPECTING PROGRAM

COMPILATION, SOUTH HALF

SCALE: 1:20000	DRAWN BY: LBW, JMH	FIG. 1B
	DATE: DECEMBER 30, 1999	

99-28 (2)