MS 1-4 Mineral Claims
Prospecting-Geochem Report
1999

Omineca Mining Division
93N-12W
55deg. 37min North Lat.
125deg. 48min. East Long.

Author:L.B.Warren

Table of Contents

Introduction

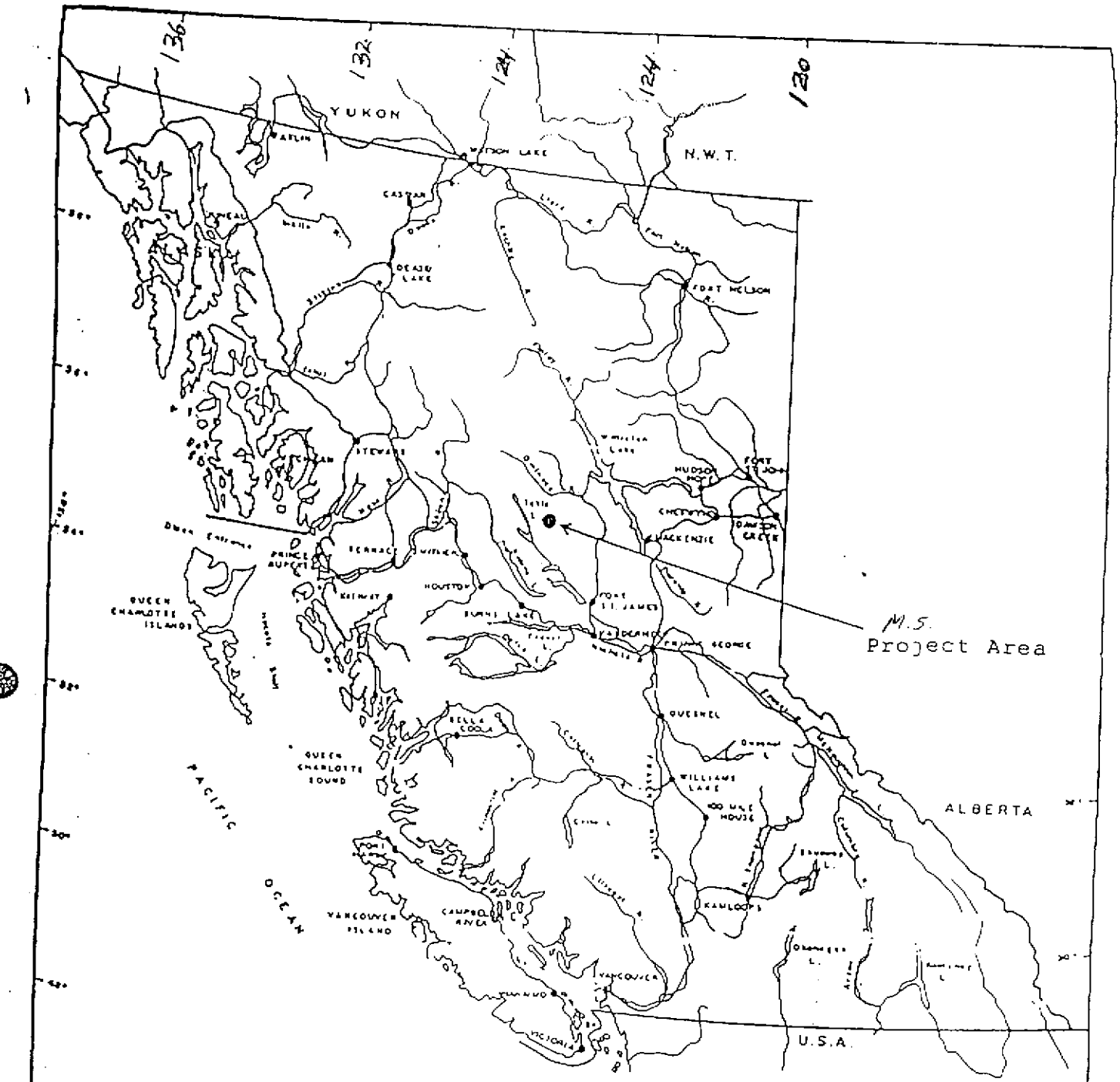
-2 new soil lines were established 50 metres north and 50 metres south of the Recon Grid line done in 1995 (Assessment Report #24658) totaling 21 samples.

-MS 1-4 claims were staked to cover the Recon soil geochem anomaly found in 1995.

-Prospecting of claim area revealed very poor rock exposure. Float found containing chalcopyrite/ Bornite/ Barite/ Pyrrhotite in altered ultramafic dike float was the only indication of mineralization in the Geochem grid area. (Figure #1)

Location and Access

The MS 1-4 mineral claims are located 3.15 km from Mt. Bodine. Access is by helicopter only.



REVISED	M.S. Project 1999
	Location Map
FIGURE No.	SURVEY BY: LBW DATE: NOV/99
JOB No.	DRAWN BY: LBW SCALE
DWG. No. 1	OFFICE:

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 EM and geologic surveys were apparently discouraging and Kennco allowed the claims to lapse.

1975 – McINTRYRE 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 RESOURSES: Carried out a regional stream silt sampling survey thoughout the general area and staked the Skye 1- 12 claims to cover some geochemical anomalies. – The results of McIntiye's earlier airborne survey showed a number of EM anomalies of the Skye claims.

1979- SHELL CANADA RESOURSES: 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: Optioned the Ruth 1-4 claims from McIntyre Mines but apparently did no field work.

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 be disseminated pyrite was mapped for 2000m along the contact on strike with the Eureka showing(Watkins, 1980).

1981 – SHELL CANADA RESOURSES: 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 stake as 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).

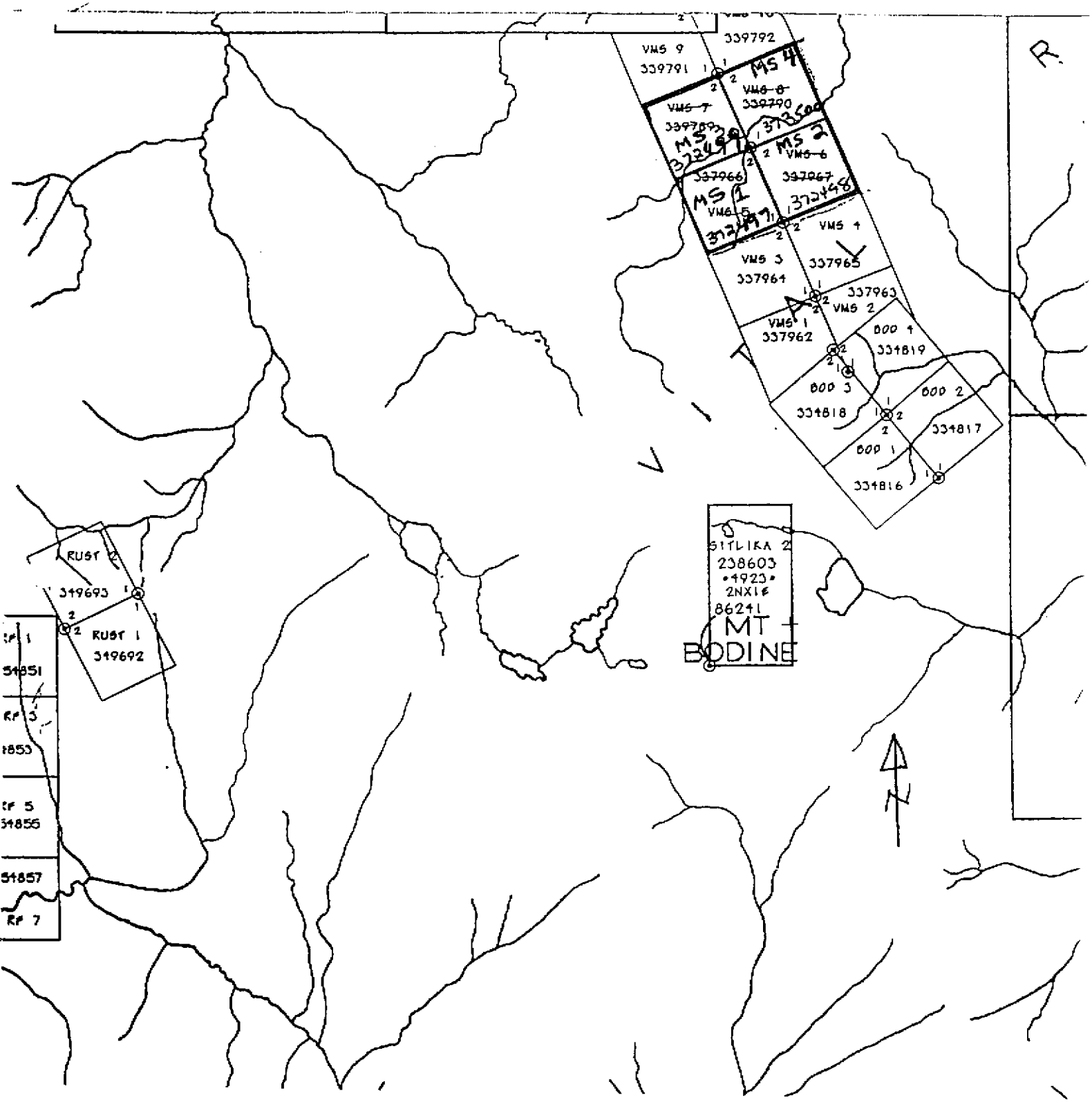
1989 – Several drill holes were drilled by Noranda Exploration testing various targets in the belt.

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 undertaked and continues to date.

Claims and Ownership
MS Claim Group

Claim Name	Tenure#	Expiry Date	Ownership
MS 1	372497	20001008	L.B. Warren
MS 2	372498	20001008	L.B. Warren
MS 3	372499	20001008	L.B. Warren
MS 4	372500	20001008	L.B. Warren


339792
VMS 9
339791
MS 4
VMS 8
339790
VMS 7
339789
MS 3
372499
372500
MS 2
VMS 6
337966
337967
372498
MS 1
VMS 5
372497
VMS 4
VMS 3
337964
337965
337963
VMS 2
VMS 1
337962
BOD 4
334819
BOD 3
334818
BOD 2
334817
BOD 1
334816
R.
SITLIKA 2
238603
4923
2NX1E
86241
MT
BODINE
RUST
349693
RUST 1
349692
Rf 1
51851
Rf 3
1853
Rf 5
51856
51857
Rf 7
N
0
500
1000
1500
Scale: 1:31680
CLAIM MAP 93N/12W
MS 1-4
Record No. 372497-500

Regional Geology

The MS 1-4 claims are underlain 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 to the west. The Permian Cache Creek rocks to the east are separated from the Sitlika by the Vital Fault and a serpentinite mélange. The Cache Creek Group is bounded to the east by the Pinchi Fault and the Jurassic Hogem Batholith.

Property Geology

The MS claims are underlain by clorite shist , greywacke, silt stone and phyllite of the Sitlika assemblage. Only minor outcrop were observed in the field due to heavy sub-alpine forest cover. No outcrop was observed in the area of the soil anomaly.

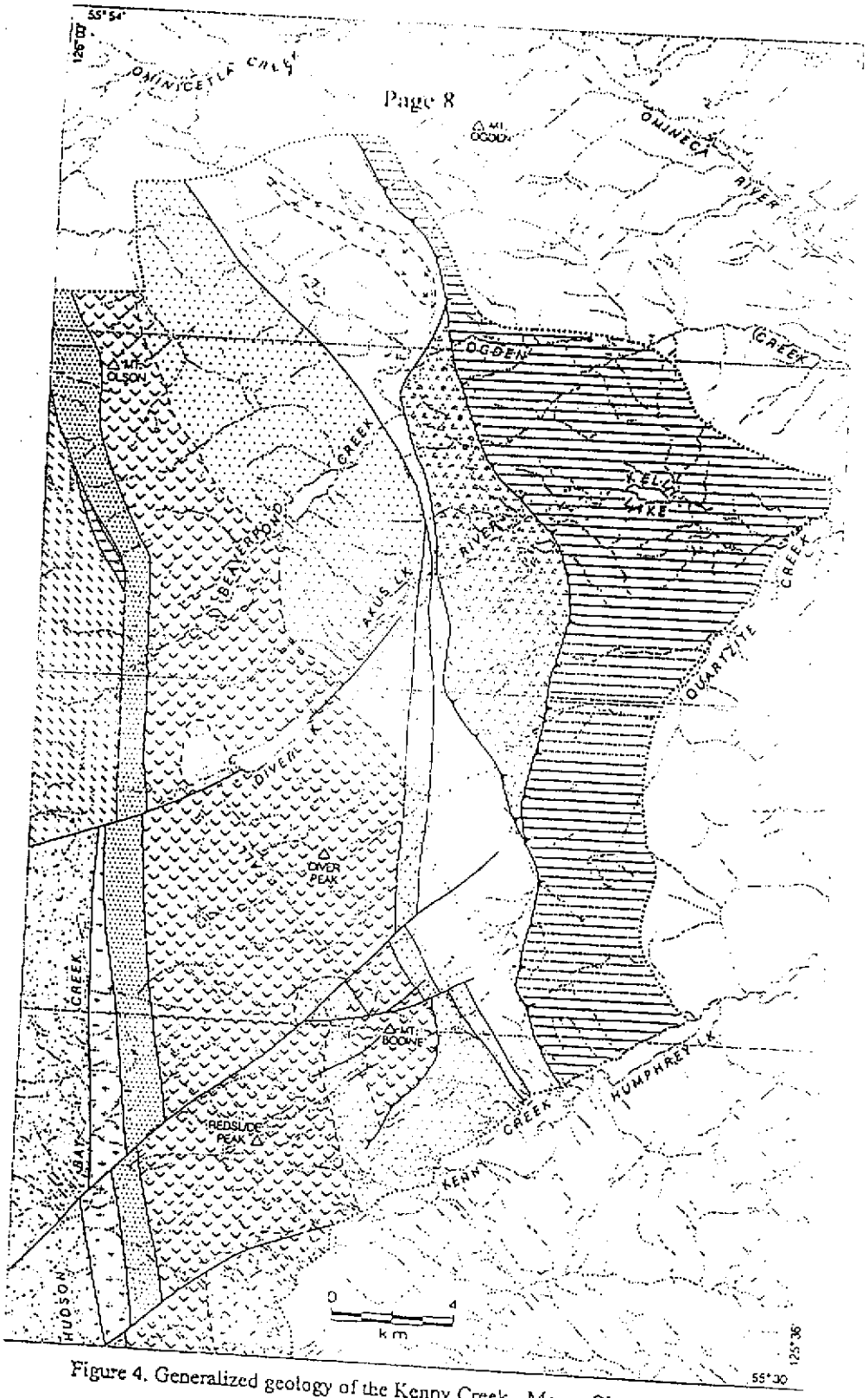
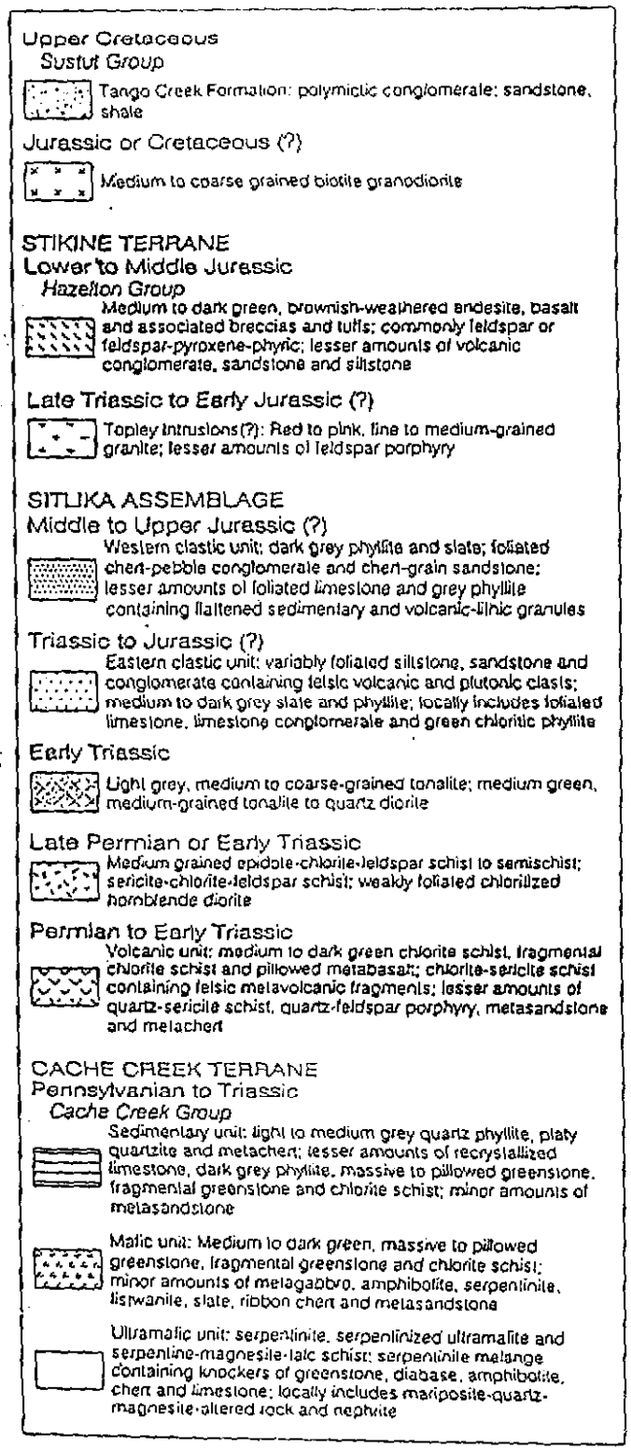


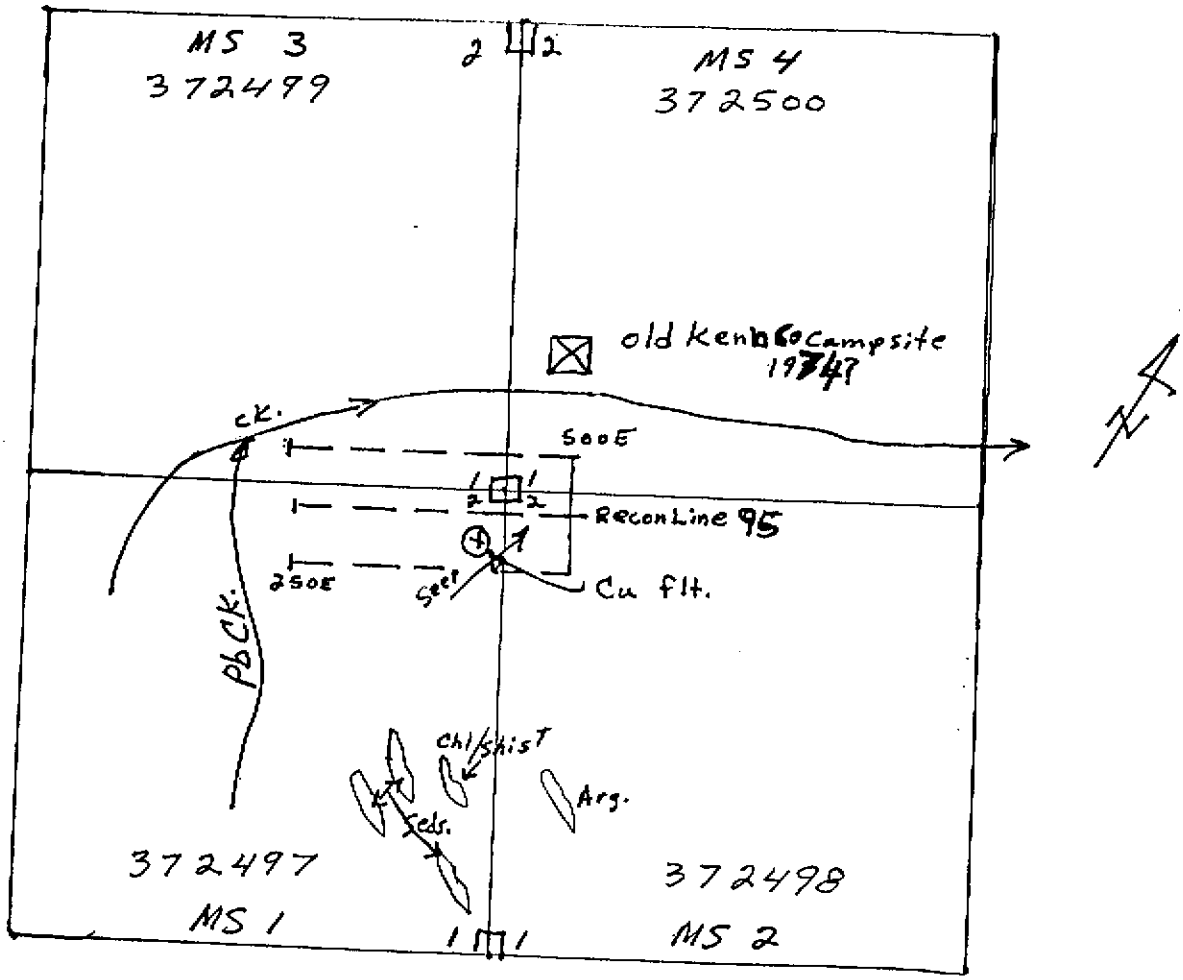
Figure 4. Generalized geology of the Kenny Creek - Mount Olson map area.

Geological Fieldwork 1996
Paper 1997-1

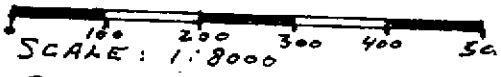


Legend to accompany Figure 4.

Property Geology



Rough Sketch
Recon Soil Grid Area 1999
RBW.



Sample Locations
Geology Fig. 1

Results Recon Soil Grid
Mt. Bodine Area
MS 1-4 Mineral Claims

Observations MS Soil Grid

A significant soil anomaly on the Recon soil line done in 1995 was examined on October 8 1999. We decided to extend the soil grid by placing a new line 50 metres north and 50 metres south of the original Recon soil line. The control point was Recon line station 100+00S-5+00E from this point we chained at 330 degrees for 50 metres to grid north station 50+00S-5+00E. Stations were then established at 25 metre intervals on a bearing of 240 degrees for 250 metres. Another line was established 50 metres grid south of the Recon soil line. Stations were established at 25 metre intervals on a bearing of 060 degrees for 250 metres.

Soil Geochemistry

The samples were collected using a shovel and placing the sample in a kraft soil bag. The "B" horizon samples were taken at a depth of 20-30 cm, then shipped to TSL Assayers in Vancouver B.C.

A total of 21 samples were taken and ICP multielement analysis was performed. The results are plotted on fig. 2,3,4.

Results

Copper – Copper values ranged from 1 ppm to 161 ppm fig. 2 is contoured at 100 ppm and 200 ppm. The original copper anomaly was extended to the north and south although not as strong.

Zinc – Zinc values range from 25 ppm to 2243 ppm fig. 3 was contoured at 500 ppm and 1000 ppm. A strong zinc soul anomaly was detected grid north and south of the original Recon Zinc anomaly.

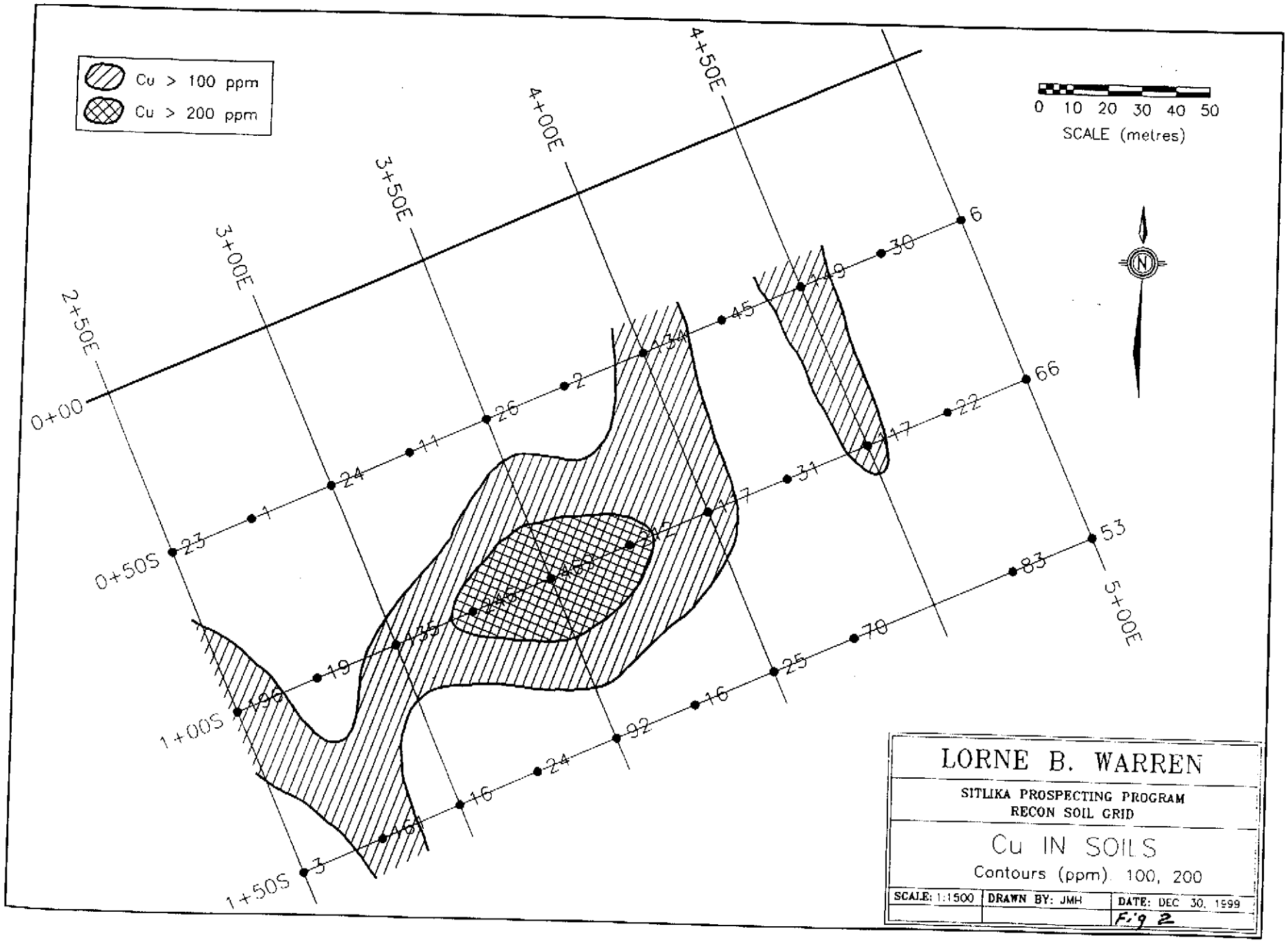
Lead – Lead values range from < 2 ppm to 50 ppm fig. 4 was contoured at 30 ppm and 60 ppm. A strong lead anomaly was detected grid north and south of the original Recon Lead anomaly.

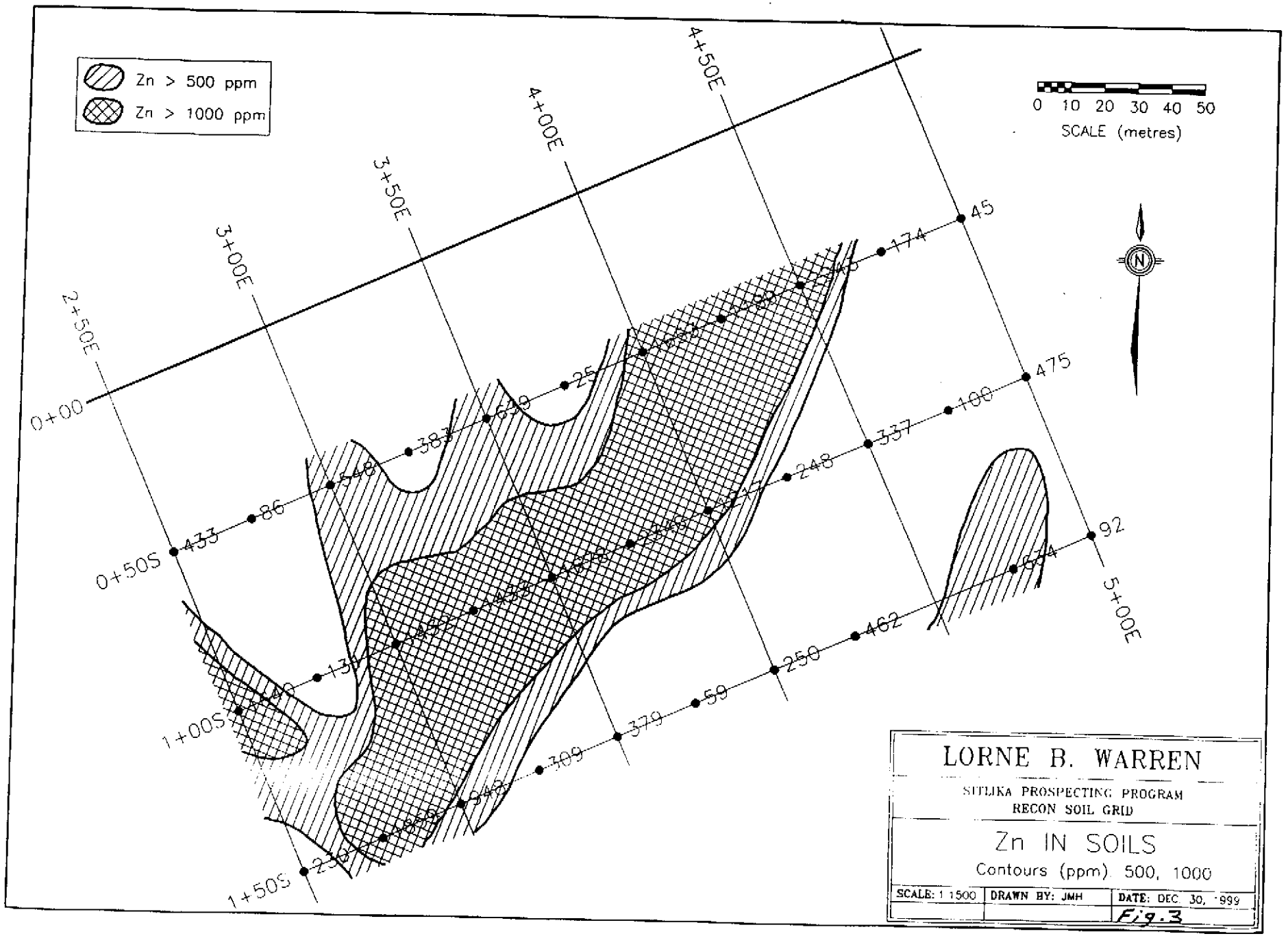
Conclusions

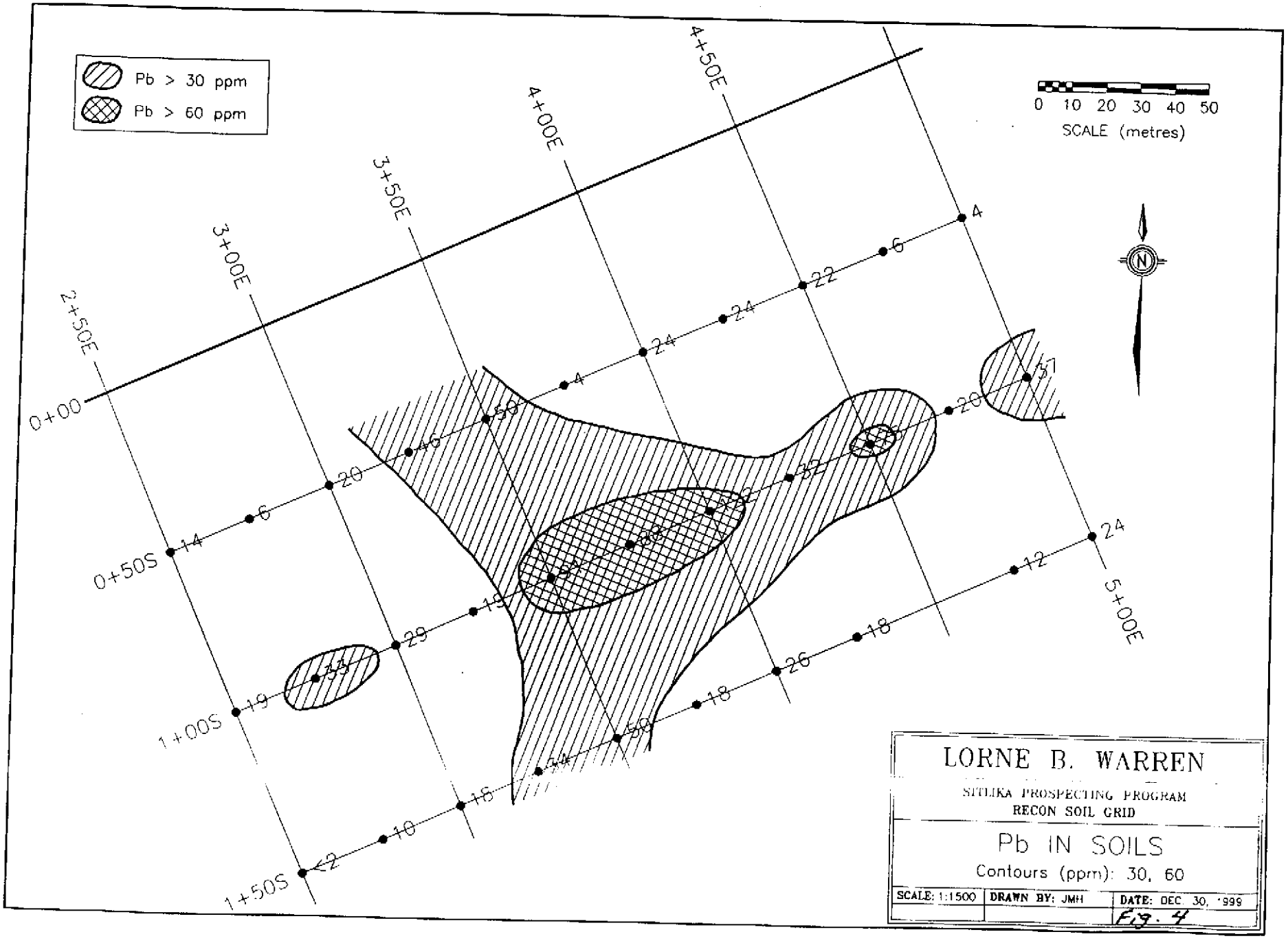
The soil anomaly discovered expanded the original Recon soil anomaly to 100 metres in strike length. Showing similar strength in copper, zinc and lead values in the soil.

Recommendations

A larger soil grid needs to be established north and south of the present soil anomaly. Hand trenching should be done over the highest soil values. VLF – EM survey over the anomalies should be undertaken.


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 2


Zn > 500 ppm
Zn > 1000 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
45
174
475
100
337
248
92
462
250
59
379
309
433
86
135
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, '99
Fig. 3


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, '999
Fig. 4

Statement of Expenditures

Expenses

Wages and Benefits	
3 mandays @ $200/day	$ 600.00
Room and Board	
3 mandays @ $75/day	$ 210.00
Helicopter	
1 hour @ $750/hour all inclusive	$ 750.00
Assays	$ 239.08
Report Writing	$ 400.00
Total Project Cost for assessment purposes	$2,199.08

Lorne B. Warren

Statement of Qualifications

1963 – Geological Assistant – Mastodon Highland Bell - Gordon Hilchey – Geologist - Dome Mountain Area.

1964 – Geological Assistant – Phelps Dodge Corp. Stikine area.

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 percussion drill cuttings.

1979 – Present – President and Manager of CJL Ent. Ltd. , Kengold Mines Ltd. And Angel Jade Mines Ltd. – Placer mining/contract exploration work/Full time prospecting.

Chris Warren

Statement of Qualifications

1990 – Completed the Smithers Exploration Group's Bush Skills course. Worked at Duckling Creek as a Geological assistant.

1991 – Assisted in the instruction of the Smithers Exploration Bush Skills course. Worked in Johanson Lake as a line cutter.

1992 - Assisted in the instruction of the Smithers Exploration 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/claimstaking/Prospector's Assistant.

1995 – Present – Worked full time for CJL Enterprises Ltd. – Claim staker/line cutter/camp construction/prospector.

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, 3-7 claims, (July 1 – Aug. 27, 1979), Omineca Mining District, B.C. Shell Resources report. BCDM Sdd. Report No. 7642.

Macleod, W.A. , 1981: Report on geological, geochemical and geophysical surveys, Ruth 1-4, Skye 7 claims, BCDM Assessment report No. 9547.

Paterson, 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 Deposits within Accreted Terranes of the Canadian Cordillera.

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

1996 Warren/Angel Jade Mines – Assessment report No. 24658.

Appendix 1

Analytical Results 1999

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

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

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

MULTI-ELEMENT ICP ANALYSIS

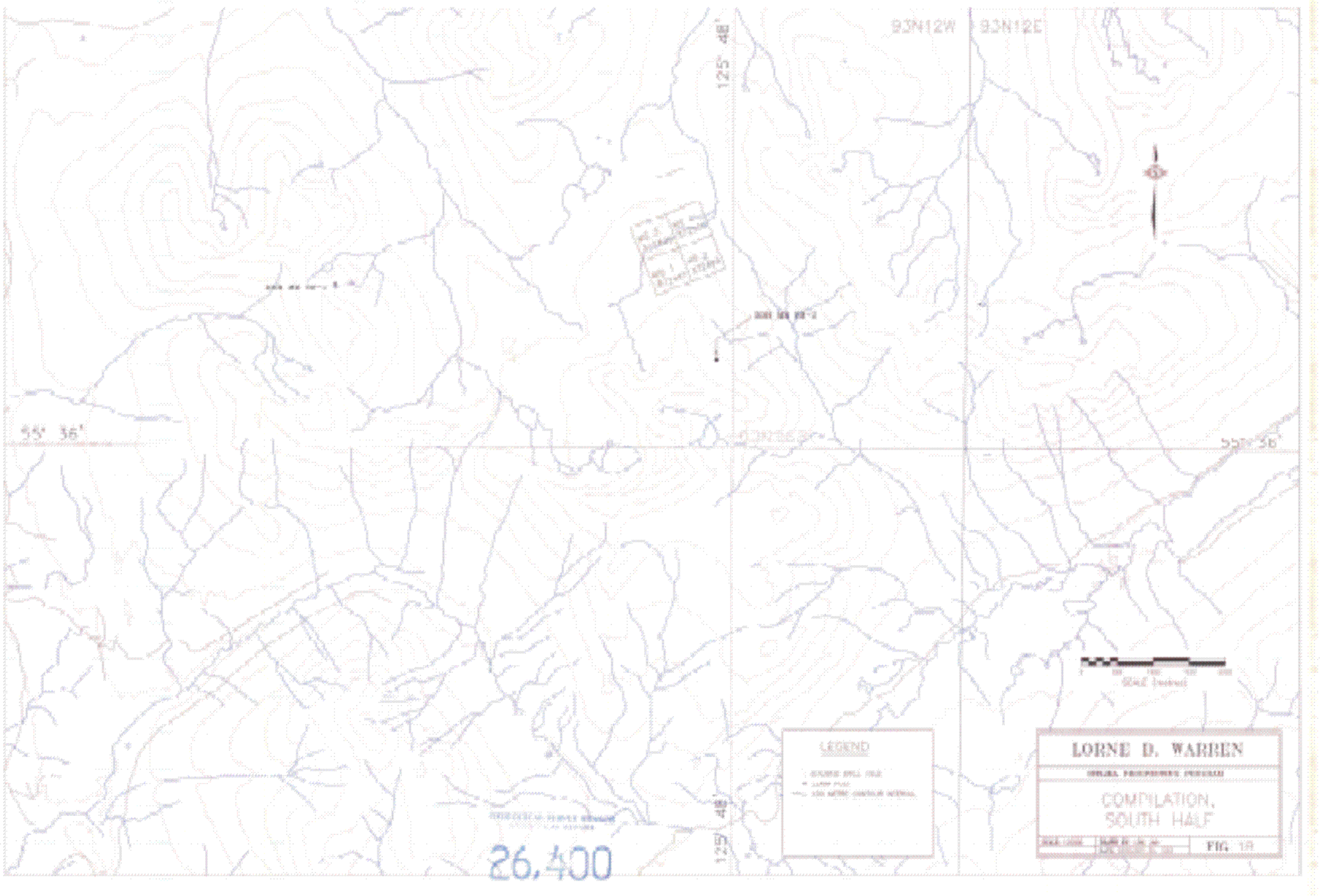
Aqua Regia Digestion

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	46	<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	59	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	53	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	3	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.H2O.

Signed: _____


93N12W
93N12E
125° 48'
55' 36'
55' 36'
125° 48'
LEGEND
LORNE D. WARREN
COMPILATION,
SOUTH HALF
FIG. 19
26,400