

GEOCHEMICAL REPORT ON THE
SUSAN (LOT 23 G) AND THE VICTORIA (LOT 90 G)
MINERAL CLAIMS
VICTORIA MINING DIVISION
NTS 92 B 13W
LOCATED 8 MILES SOUTH OF LADYSMITH B.C.
REPORT BY J.R. DEIGHTON

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

NO. 6599

MAP NO. _____

GEOCHEMICAL REPORT ON THE SUSAN (LOT 23 G)
AND THE VICTORIA (LOT 90 G) MINERAL CLAIMS
VICTORIA MINING DIVISION, BRITISH COLUMBIA
REPORT BY C.A. DEIGHTON

LOCATION AND ACCESS:

Access to the claim area is by Achillian and Biodel logging road out of Chemainus B.C. This logging road crosses the claim at mile 8.7 of the road.

The two mineral claims, Susan (Lot 23 G) and the Victoria (Lot 90 G) are located north of the Chemainus River, approximately 8 miles south of Ladysmith B.C.

REGIONAL GEOLOGY:

The area covered by this report is underlain by a sequence of volcanics and sediments of Permian Age. These rocks form the Sicker Group. The group in the area north of the Chemainus River, in the area of the claims forms a steeply dipping eastern limb of an anticline.

Granitic intrusions of Middle to Late Jurassic Age occur throughout the area and are mainly Granodiorite to Diorite in composition. The contacts of the intrusions are generally sharp and well-defined and near vertical.

Cretaceous Nanaimo Group unconformably overlies all the above rock units. It comprises a sequence of sediments containing conglomerates, sandstones and shales with associated coal seams.

For a description of the lithology and geology of the region the reader is referred to the published material. (See particularly B.C. Department of Mines Bull. #37 - Geology of the Cowichan Lake Area, Vancouver Island - J.T.Fyles, 1955; G.S.C. Paper 68 - 50: Geology and Mineral Deposits of Alberni Map Area, B.C. - Muller and Carson, 1969; G.S.C. Memoir 96: Sooke and Duncan Map Areas, Vancouver Island - Clapp and Cooke 1917.)

GEOCHEMISTRY:

Five silts and thirty-seven soils were collected in a two day period in May 1977 from three chained and compass lines across the claims. The soil samples were collected by mattock from the "C" soil horizon where possible and put in Kraft paper bags.

The silt samples were taken from the active stream sediments and placed in Kraft paper bags.

All samples were prepared, treated and analyzed in the normal manner, for total copper, lead and zinc by Kin-En Laboratories, 705 West 15th Street, North Vancouver, B.C. V7K 1T2; using the -60 mesh portion of the sample.

No histograms of the results were prepared from the results because of the lack of sufficient number of samples to make a good numerical evaluation of the results.

Range of values received from this orientation survey are as follows:

Copper	in soils	49	996ppm
Lead	" "	12	30
Zinc	" "	60	416
Ag	" "	0.7	1.6
Copper	in silts	168	798 ppm
Lead	" "	18	24
Zinc	" "	86	163

From the results of the survey it appears that there is a value of over 150 ppm copper and 100 ppm zinc would be in the anomalous range for soils. Anomalous values in silver and lead are harder to predict. It appears that values greater than 1.0 ppm silver may be anomalous and values greater than 20 ppm lead may be significant.

Lead and silver geochemistry in soils do not appear to be of sufficient variation over the claims to be worthwhile in analyzing further soil surveys.

CONCLUSIONS:

Five silt and thirty-seven soils were collected in an orientation survey of the claims.

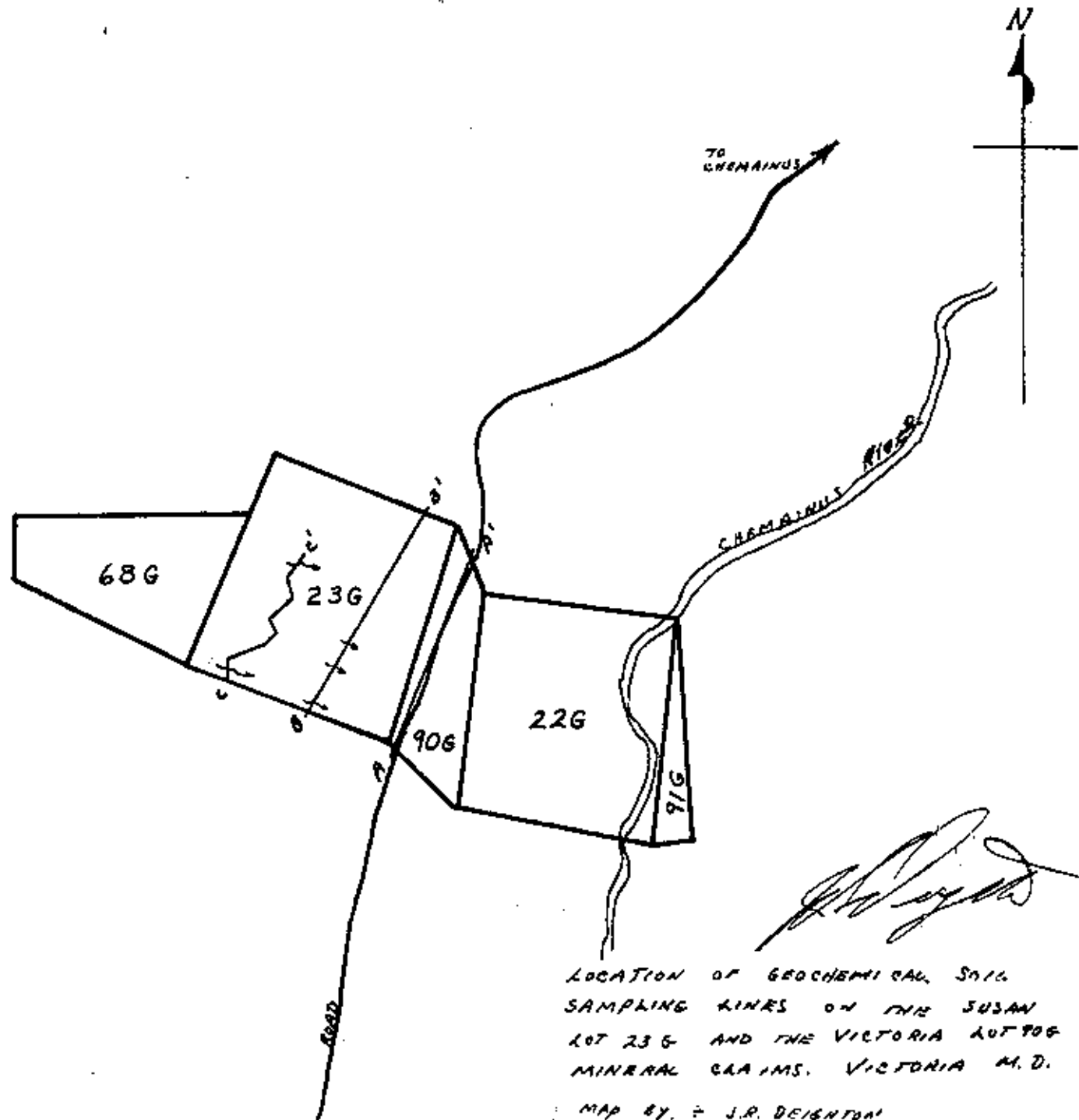
Anomalous ranges for the results of this survey in soils appear to be as follows:

Copper	greater than	150 ppm
Zinc	"	100 "
Lead	"	20 "
Silver	"	1.0 "

These results are not from a numerical analysis of the data because of an insufficient number of samples to be analyzed in this manner.

Lead and silver analysis of soils do not appear to be of much use in determining areas of interest on the claims.

A handwritten signature in black ink, appearing to read "A. J. ...", is located in the lower right quadrant of the page.



LOCATION OF GEOCHEMICAL SOIL
 SAMPLING LINES ON THE SUSAN
 LOT 23 G AND THE VICTORIA LOT 906
 MINERAL CLAIMS, VICTORIA B.C.

MAP BY: J.R. DEIGHTON

DATE: DECEMBER 29, 1977

SCALE 1:12,000

CERTIFICATION

I, JOHN RAYMOND DEIGHTON, of 3250 West 33rd Avenue, Vancouver, British Columbia, do hereby certify that:

I am a graduate of the University of British Columbia, with a Bachelor of Science Degree in Geology, 1965.

Since graduation I have been engaged in Mineral Exploration in British Columbia, Yukon, Northwest Territories, Washington, Arizona and California.

I am a Fellow of the Geological Association of Canada and of the Canadian Institute of Mining and Metallurgy.

I am a Geologist.

Vancouver, B.C.



John R. Deighton
Geologist

In the matter of assessment work on:

Lucan (Lot 23 G) and Victoria (Lot 90 G) located in the
Victoria Mining Division, approximately 2 miles south of
Ladysmith, B.C.

I, John K. Deighton, of 3250 West 33rd Avenue, Vancouver, B.C.
do solemnly declare:

that three (3) days were spent in the field and one (1)
day in the office doing assessment work on the above
claims and the following disposition of expenses are
claimed.

4 days of time..(J.K.Deighton)..at \$125/day\$500.
car expenses..at \$20/day..for three days 60.
ferry to and from Vancouver Island 28.
3 days food and accomodation..at \$20/day 60.
report typing and preparation 20.
analysis of samples and preparation <u>163.90.</u>

TOTAL EXPENSES \$831.90



COMP:

J.R. Deighton

GEOCHEMICAL ANALYSIS DATA SHEET

No. 4153

PROJECT No.:

MIN - EN Laboratories Ltd.

DATE: May 25

ATTENTION:

J.R. Deighton

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

1977.

Sample Number	6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
		Cu	Pb	Zn	Ni	Co	Ag	Fe	Hg	As	Mn	Au				
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb				
81	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
A 0		6.9	2.4	7.8				0.7								
100		5.2	1.9	10.7				1.0								
200		3.34	2.2	25.0				1.0								
300		3.90	2.1	11.9				1.2								
400		2.78	2.5	12.1				1.2								
500		3.25	1.9	23.2				1.3								
600		3.70	2.1	20.0				1.3								
700		3.72	1.7	14.6				1.3								
800		3.18	2.0	8.8				1.0								
900		4.95	3.0	26.2				1.6								
A 1000		2.89	2.4	25.4				1.2								
B 000		1.32	2.1	11.2				1.1								
100		2.32	1.8	31.0				1.2								
200		7.8	1.6	9.4				0.8								
300		6.1	1.5	7.5				0.7								
400		7.5	1.7	14.0				0.7								
500		7.8	1.6	8.9				0.7								
600		9.2	2.0	9.3				0.8								
700		1.32	2.1	7.8				1.0								
800		2.76	2.9	7.2				1.1								
900		1.30	2.3	6.2				1.1								
1000		1.03	1.8	9.0				1.2								
1100		1.11	2.0	9.1				1.1								
100A		9.6	2.0	7.2				0.7								
200A		1.06	2.1	9.5				1.0								
B 300A		1.00	1.6	6.0				0.9								
C 000		6.9	1.9	10.5				0.9								
100		9.9	1.6	7.1				0.9								
200		1.04	1.4	9.5				1.1								
C 300		1.65	1.7	9.0				0.9								

CERTIFIED BY

Joseph Williams

INVOICE

Nº 3122

MIN-EN LABORATORIES LTD.
 705 WEST 15TH STREET
 NORTH VANCOUVER, B.C.
 Phone: 980-5814

DATE June 7/77.
 YOUR
 ORDER NO.

TO . Mr. J.R. Deighton,
 . 3250 W. 33rd Ave.,
 . Vancouver, B.C.
 V6N 2G9.

OUR ORDER NO.		TERMS	F.O.B.		
4153					
QUANTITY	STOCK NUMBER/DESCRIPTION	UNIT PRICE		AMOUNT	
43	soil geochem - Cu,Pb,Zn	2	55	109	65
37	soil geochem - Ag		65	24	05
43	soil sample preparation		40	17	20
2	rock geochem - Ag,Au	5	00	10	00
2	rock sample preparation	1	50	3	00
	TOTAL			163	90

THESE ARE PROFESSIONAL SERVICES AND PAYABLE WHEN RENDERED.