

'81- # 126- # 8953

SOIL GEOCHEMISTRY  
ENTERPRISE MINE  
SLOCAN MINING DIVISION, B. C.  
NTS 82 F/14 W  
LATITUDE 49°49', LONGITUDE 116°19'

ARCTEX ENGINEERING SERVICES

L. B. GOLDSMITH, P.ENG.  
CONSULTANT, OWNER, OPERATOR, AUTHOR

JANUARY, 1981

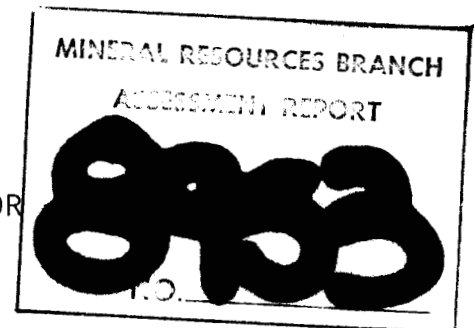


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(pocket inside back cover)	

SOIL GEOCHEMISTRY  
ENTERPRISE MINE  
SLOCAN MINING DIVISION, B. C.

SUMMARY

The soil geochemistry survey was continued on lines 16+00 S, 20+00 S, 24+00 S, and 28+00 S on the Enterprise and Lode 1-12 claims. An anomalous value of 9.0 ppm silver obtained at 24+00 S, 3+00 E is attributed to dispersion from the Enterprise Lode.

Soil geochemistry should be continued on selected portions of the claim group with backhoe trenching if warranted.

## INTRODUCTION

A complete summary of location, history, production and geology was included in the 1979 report which was placed on file for assessment work. The map which was redrafted in 1980 has been amended to include the current phase of soil geochemistry.

Two reverted crown grants have been added onto the western side of the group:

Montezuma L 5405

Rainbow Fraction L 14543.

## SOIL GEOCHEMISTRY

The base line from previous work was used to orient lines 16+00 S to 28+00 S. Sampling was done at 30.5-metre (100-foot) intervals. Sixty-two soil samples were collected, using the same equipment and techniques as in the previous work. Samples at 28S, 2+00 W to 4+00 W were confused at the analytical lab, and although they are noted as 2A, 2B, 4A, and 4B on the analysis sheets, their location cannot be established. These grid locations will need to be resampled.

Analyses for silver and lead were performed by Loring Laboratories Ltd., 629 Beaverdam Road N.E., Calgary, Alberta. Samples are screened to -80 mesh and 500 mg of the fine fraction is weighed into test tubes. Aquaregia is added and the sample is digested in a water bath at 100°C for three hours. Test tubes are then bulked to the 10 ml level, mixed, and allowed to settle overnight. The samples are then put through atomic absorption, with appropriate standards, and the results reported in parts per million.

Background values for lead and silver were established at levels of 20 ppm Pb and 0.6 ppm Ag.

Sample 24+00 S, 3+00 E (20 ppm Pb, 9.0 ppm Ag) is anomalous in silver. This sample is located on or near the trace of the Enterprise Lode; the high silver content is attributed to dispersion from the known mineralization. No other anomalous values were noted.

#### CONCLUSIONS

The continuation of soil geochemical exploration did not locate anomalous metal values which can be attributed to previously unknown mineralization in place.

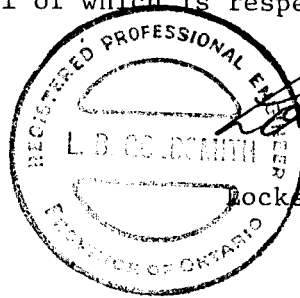
#### RECOMMENDATIONS

1. Several soil sample lines should be extended across the Lode 1-12 claim to search for mineralized zones remote from the Enterprise Mine.
2. Soil geochemistry should be completed to the south of line 40+00 S on the trend of the Enterprise Lode.
3. Lines 6+00 S, 10+00 S, 14+00 S, and 18+00 S should be soil sampled to define the anomalous zone indicated in previous work, followed by trenching with a backhoe as recommended earlier.

## COST ESTIMATE

Soil geochemistry	\$3,500
Analyses	1,000
Backhoe	2,000
Supervision	1,000
Reporting	1,000
Supplies, vehicle, travel	500
	<hr/>
	9,000
Contingencies @ 10%	900
	<hr/>
Total	\$9,900

All of which is respectfully submitted,



*Rocke B. Goldsmith*

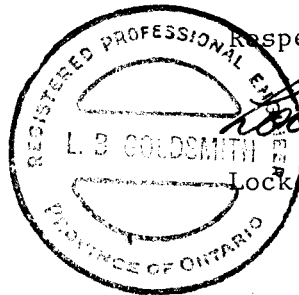
Rocke B. Goldsmith, P.Eng.

Vancouver, B. C.

January 4, 1981

ENGINEER'S CERTIFICATE  
LOCKE B. GOLDSMITH

1. I, Locke B. Goldsmith, am a Registered Professional Engineer in the Province of Ontario and a Registered Professional Geologist in the State of Oregon. My address is 301 - 1855 Balsam Street, Vancouver, B. C.
2. I have a B.Sc. (Honours) degree in Geology from Michigan Technological University and have done postgraduate study at Michigan Tech, University of Nevada, and University of British Columbia. I am a graduate of the Haileybury School of Mines and am a Certified Mining Technician.
3. I have been engaged in mining exploration for 22 years.
4. I am author of the report entitled "Soil Geochemistry, Enterprise Mine, Slocan Mining Division, B. C.," dated January 4, 1981. The report is based on research and field work conducted and supervised by the author.
5. I control, with associates, 100% interest in the property.
6. I consent to the use of this report in a prospectus or in a statement of material facts related to the raising of funds.



Respectfully submitted,

*Locke B. Goldsmith*

Locke B. Goldsmith, P.Eng.

Vancouver, B. C.  
January 4, 1981

## COST STATEMENT

## 1. Wage Scales:

L. B. Goldsmith, Consulting Geologist,

 $\frac{1}{2}$  January 3,  $\frac{1}{2}$  January 4, total 1 day @ \$300/day \$300.00

P. Harker, Prospector, November 7, 8, 9, 10,

total 4 days @ \$130/day

520.00

820.00

\$ 820.00

## 2. Food:

31.40

## 3. Transportation:

4 trips @ 30 mi/trip @ \$0.24/mile

30.00

## 4. Surveys:

(P. Harker, grid and soil geochemical survey, \$820.00)

## 5. Analyses

157.60

## 6. Report:

(L. B. Goldsmith, \$300.00)

Drafting, M. Iazard \$140.00

Typing, L. Borleske 30.00

Photocopying, printing 27.00

197.00

197.00

Total

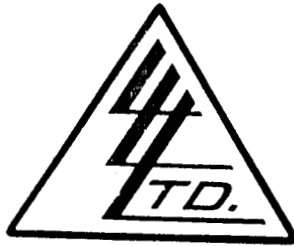
\$1,236.00



APPENDIX

To: Mr. L.B. Goldsmith,  
 Box 25,  
 Silverton, B.C. VOG 2B0

File No. 20672  
 Date December 2, 1980  
 Samples Soil



Certificate of  
 ASSAY of  
 LORING LABORATORIES LTD.

Page # 1

SAMPLE No.	PPM Pb	PPM Ag
<u>"Soil Samples"</u>		
ENT-16+OOS-BL	38	1.0
1+OOW	100	2.0
2+OOW	20	1.0
3+OOW	32	1.3
4+OOW	30	1.0
5+OOW	20	2.5
BT-20+OOS- 1+OOW	20	1.0
2+OOW	15	1.0
3+OOW	26	1.0
4+OOW	18	1.0
6+OOW	20	1.0
EBT-20+OOS-BL	18	1.0
1+OOE	14	1.0
3+OOE	26	2.0
4+OOE	20	1.0
5+OOE	22	1.0
7+OOE	18	1.0
8+OOE	16	0.8
9+OOE	18	1.0
10+OOE	17	0.8
11+OOE	26	1.0
12+OOE	38	1.0
13+OOE	18	1.0
14+OOE	22	1.0
15+OOE	20	1.0
16+OOE	16	1.0
17+OOE	40	1.0
18+OOE	24	1.3

**I** *Hereby Certify* THAT THE ABOVE RESULTS ARE THOSE  
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

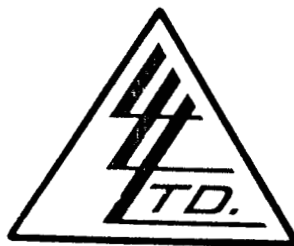
Rejects Retained one month.  
 Pulps Retained one month  
 unless specific arrangements  
 made in advance.

*D. Endler*

Assayer

To: Mr. L.B. Goldsmith,  
 Box 25,  
 Silverton, B.C. VOG 2B0

File No. 20672  
 Date December 2, 1980  
 Samples Soil



Certificate of  
 ASSAY of  
 LORING LABORATORIES LTD.

Page # 2

SAMPLE No.	PPM Pb	PPM Ag
ENT-20+OOS-19+OOE	8	0.5
20+OOE	18	0.5
21+OOE	22	0.8
22+OOE	18	0.5
ENT-24+OOS-BL	30	1.0
1+OOW	16	0.5
2+OOW	20	1.0
3+OOW	18	0.8
4+OOW	18	0.8
5+OOW	16	0.5
ENT-24+OOS-1+OOE	34	1.0
3+OOE	30	9.0
4+OOE	64	1.0
5+OOE	28	0.8
6+OOE	12	0.5
7+OOE	6	0.5
8+OOE	30	1.0
9+OOE	10	0.5
10+OOE	16	0.5
ENT-28+OOS-BL	26	1.0
1+OOW	16	0.5
2A+OOW	158	4.0
2B+OOW	14	1.0
4A+OOW	8	0.5
4B+OOW	22	0.8
5+OOW	16	1.0
6+OOW	18	1.0
7+OOW	16	1.0
8+OOW	16	0.5
9+OOW	15	0.5

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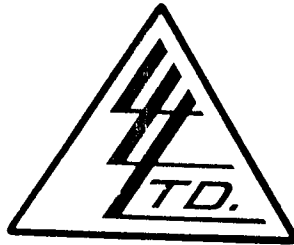
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*D. Enders*

Assayer

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Date December 2, 1980  
Samples Soil



Certificate of  
ASSAY of  
LORING LABORATORIES LTD.

Page # 3

SAMPLE No.	PPM Pb	PPM Ag
ENT-28+OOS-10+OOW	24	1.0
ENT-28+OOS- 1+OOE	18	0.5
2+OOE	20	1.0
7+OOE	28	1.0

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE  
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.  
Pulps Retained one month  
unless specific arrangements  
made in advance.

Assayer

Az. 50°  
8W 4W 00 4E 8E 12E

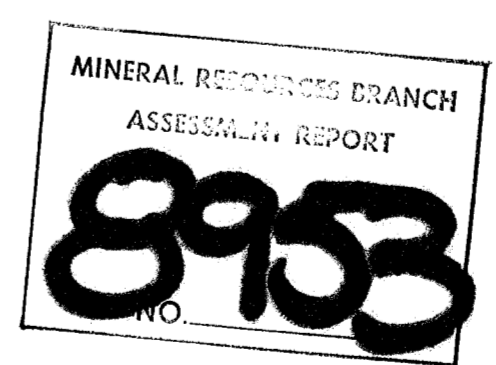
CHIP SAMPLES OF VEIN MATERIAL				
SAMPLE	oz/ton Au	oz/ton Ag	% Pb	% Zn
EMP-1	TR	9.56	0.80	2.49
SQ-1	TR	28.82	1.69	9.15
SQ-2	TR	0.54	1.54	7.96
ENT-1	—	20.70	1.40	1.18

### LEGEND

- 150 } Zn } ppm in soils
- 25 } Pb }
- 0.5 } Ag }
- SAMPLE LOCATION
- VEIN MATERIAL SAMPLE NUMBER
- ▲▲▲▲▲ SLIDE AREA
- BOULDER FIELD
- ADIT PORTAL, WITH STOPE
- BUILDINGS (COLLAPSED)
- ROAD
- TRAIL
- STREAM
- ASSUMED CONTACT
- SLOPE: ARROWS POINT DOWNWARD
- WASTE DUMP
- STRIKE & DIP OF SHEAR ZONE



CLAIM BOUNDARIES SCALED FROM 1:50,000 TOPOGRAPHIC MAP. NO OLD CORNER POSTS WERE LOCATED



**ENTERPRISE PROPERTY**  
Slocan Mining Division B.C.  
NTS 82F 14W

**SURFACE GEOLOGY & SOIL GEOCHEMISTRY**

ARCTEX ENGINEERING SERVICES JANUARY 1981

L.B. GOLDSMITH, P.Eng.  
CONSULTING GEOLOGIST

