

W-663-# 8513

SOIL GEOCHEMISTRY
ENTERPRISE MINE
SLOCAN MINING DIVISION, B. C.
NTS 82F/14W
LATITUDE 49°49', LONGITUDE 117°19'

ARCTEX ENGINEERING SERVICES

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

NOVEMBER 1980

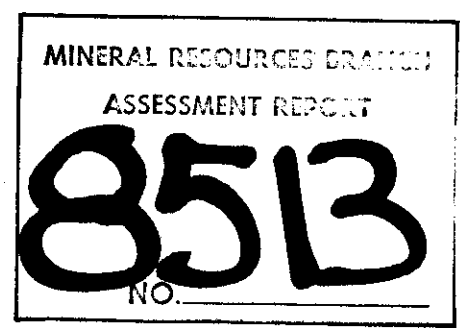


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GEOLOGY AND SOIL GEOCHEMISTRY (pocket inside back cover)	

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

SUMMARY

The soil geochemical survey which was begun in 1979 was continued on line 16+00S on the Enterprise claim; anomalous values of lead and silver were obtained at stations 2+00E and 3+00E. These are attributed to dispersion from the Enterprise lode which outcrops 30.5 m to 61 m (100'-200') upslope. Anomalous values at 12+00S, 1+00E, and 8+00S, 1+00N, from the 1979 survey are now suspected to be transported from the same vicinity.

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 background data are not reproduced herein. A redrafted map is included with this report.

SOIL GEOCHEMISTRY

The base line which was used for the 1979 survey was used to position line 16+00S. Sampling was completed between the base line and 10+00E at 30.5-metre (100-foot) intervals. Eleven soil samples were collected, using the same equipment and technique as in the previous work.

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.

Samples 2+00E (370 ppm Pb, 3.2 ppm Ag) and 3+00E (140 ppm Pb, 7.2 ppm Ag) on line 16+00S are highly anomalous in both lead and silver. These are located from 30.5 m-61 m (100'-200') downslope from workings on the Enterprise lode. It is believed that the metallics have been dispersed in soil from the known vein; some contamination from dump material is possible.

These anomalous samples can be aligned on the slope direction

with anomalous results obtained during 1979 at stations 12+00S, 1+00E and 8+00S, 1+00W. It may be that all of these values originate from the Enterprise lode.

CONCLUSIONS

Although the source of the anomalous metal values in soils is ambiguous, further sampling should be done to detail the anomaly. A backhoe should be used to cut a trench across the anomalous zone to expose bedrock and search for a lode-vein exposure which could be an offshoot of the Enterprise lode or a subparallel structure.

RECOMMENDATIONS

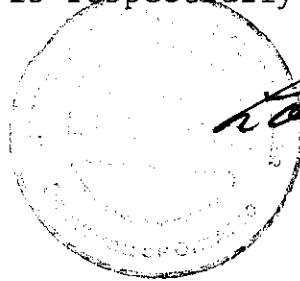
1. Additional soil geochemistry should be done on lines 20+00S, 24+00S, and 32+00S to determine if the trend which is known to continue from 8+00S to 16+00S crosses the Enterprise lode, terminates at the lode, or turns to parallel the lode.
2. Soil geochemistry should be completed on intermediate lines 6+00S, 10+00S, 14+00S, and 18+00S, to define the anomalous zone.
3. Trenching with a backhoe should be done to expose bedrock across the geochemical anomaly.

Other recommendations from the 1979 report are still valid.

COST ESTIMATE

Soil geochemistry	\$2,500
Backhoe	2,000
Supervision	1,000
Reporting	1,000
Supplies, vehicle, travel	500
	<hr/>
	\$7,000
Contingencies @ 10%	700
	<hr/>
Total	\$7,700

All of which is respectfully submitted,



Locke B. Goldsmith

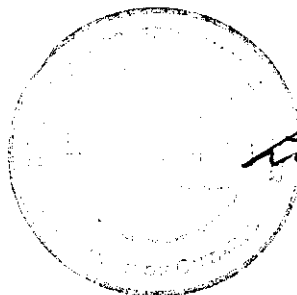
Locke B. Goldsmith, P.Eng.
Consulting Geologist

Vancouver, B. C.

November 1, 1980

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." 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,

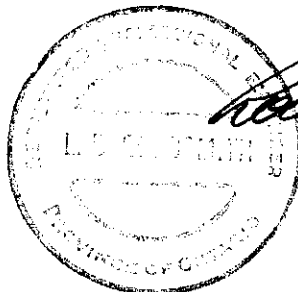
Locke B. Goldsmith

Locke B. Goldsmith, P.Eng.
Consulting Geologist

Vancouver, B. C.
November 1, 1980

ITEMIZED COST STATEMENT, 1980 PROGRAMME

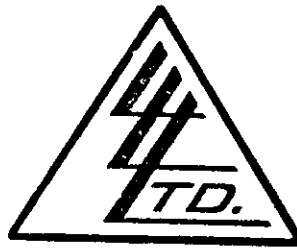
1. Wage Scales:		
L. B. Goldsmith, Consulting Geologist		
½ October 7, ½ November 1		
Total 1 day @ \$300/day		\$300.00
2. Food:		8.20
3. Transportation:		
30 miles @ \$0.25/mile		7.50
4. Grid:		
(L. B. Goldsmith, ¼ Oct. 7, \$75.00)		
Geochemical Survey		
(L. B. Goldsmith, ¼ Oct. 7, \$75.00)		
5. Analyses:		
11 soil samples @ \$2.95/sample		32.45
6. Report:		
(L. B. Goldsmith, ½ Nov. 1, \$150.00)		
Drafting		
M. Izard, 2½ days @ \$140/day		350.00
Typing		
L. Borleske		30.00
	Total	<u>\$728.15</u>



L. B. Goldsmith

APPENDIX

To: Mr. L.B. Goldsmith,
 Box 29,
 Silverton, B.C. VOG 2B0
 cc: Vancouver, B.C.



File No. 20313
 Date October 10, 1980
 Samples Soil

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 3

SAMPLE No.	PPM Pb	PPM Ag
ENT-16+00S-0+00	30	0.5
1+OOE	62	1.5
2+OOE	370	3.2
3+OOE	140	7.2
4+OOE	28	0.5
5+OOE	40	2.0
6+OOE	24	1.0
7+OOE	26	1.2
8+OOE	26	0.5
9+OOE	28	0.5
10+OOE	22	0.5

Ag, Pb, Zn Assay on Sample # ENT 1 to Follow

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.

[Signature]
 Licensed Analyst of British Columbia

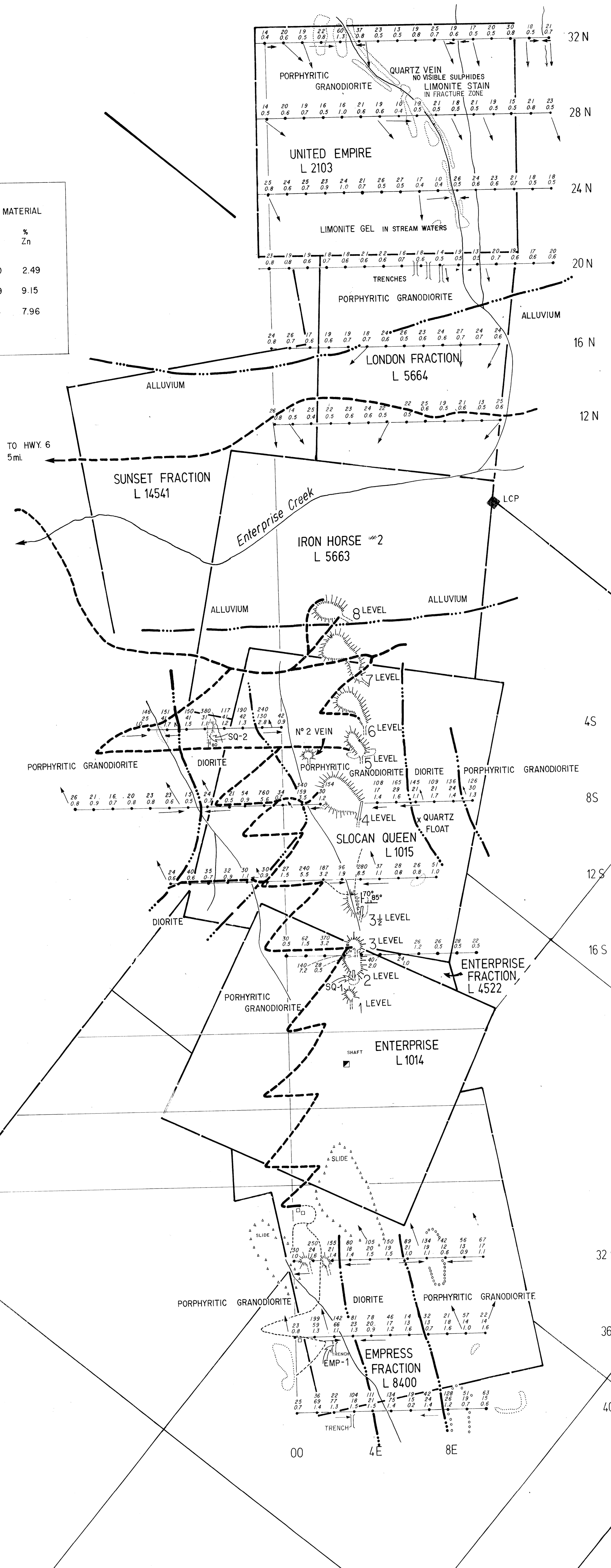
8 W 4 W 00 4 E 8 E 12 E
Az. 50°

CHIP SAMPLES OF VEIN MATERIAL

SAMPLE	TR	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	

LEGEND

- 150 ppm Zn
- 25 ppm Pb
- 0.8 ppm 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



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

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
8513

SURFACE GEOLOGY & SOIL GEOCHEMISTRY

ARCTEX ENGINEERING SERVICES OCTOBER 1980

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

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

