

82-#130 -10229.

SOIL GEOCHEMISTRY
WAR EAGLE CLAIM
SLOCAN MINING DIVISION
BURTON, B. C.
82K 4W
LAT. $50^{\circ}2.2'N$, LONG. $117^{\circ}47.5'W$

ARCTEX ENGINEERING SERVICES

LOCKE B. GOLDSMITH, P.ENG.
CONSULTING GEOLOGIST

MARCH, 1982

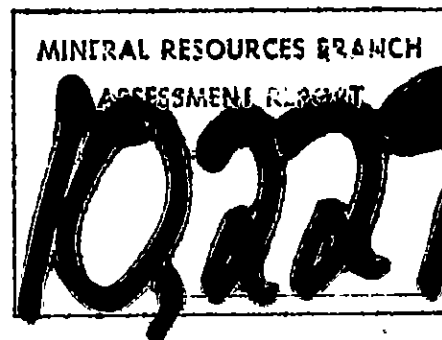


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SOIL GEOCHEMISTRY
WAR EAGLE CLAIM
SLOCAN MINING DIVISION
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82K 4W

SUMMARY

Anomalous metal values were not detected in soils. The sampling grid should be completed and a search made for an adit which is reported to have been driven on the claim.

Estimated cost of the work is \$2,000.00.

INTRODUCTION

The War Eagle claim, L2583, 1795(3), is located on a tributary of Mineral Creek, approximately 7.5 km northeast of Burton, B. C. Access is available by logging roads which depart from Highway 6 at Burton and extend east and north in the valleys of Caribou and Mineral Creeks. The last 1 km must be traversed on foot by descending from a logging road easterly into Mineral Creek and thence up the steep eastern slope of the creek valley. Elevations range from 1129 m (3700') to 1312 m (4300').

Nothing is recorded concerning discoveries or exploration on the claim. A local resident of Burton has told the author that an adit was driven on the claim many years ago. No signs of mining activity were noted during the soil sampling but heavy rain during the day restricted prospecting activity on the steep, slippery slopes. Approximately 2.2 km of grid were established; 24 soil samples were collected and analyzed.

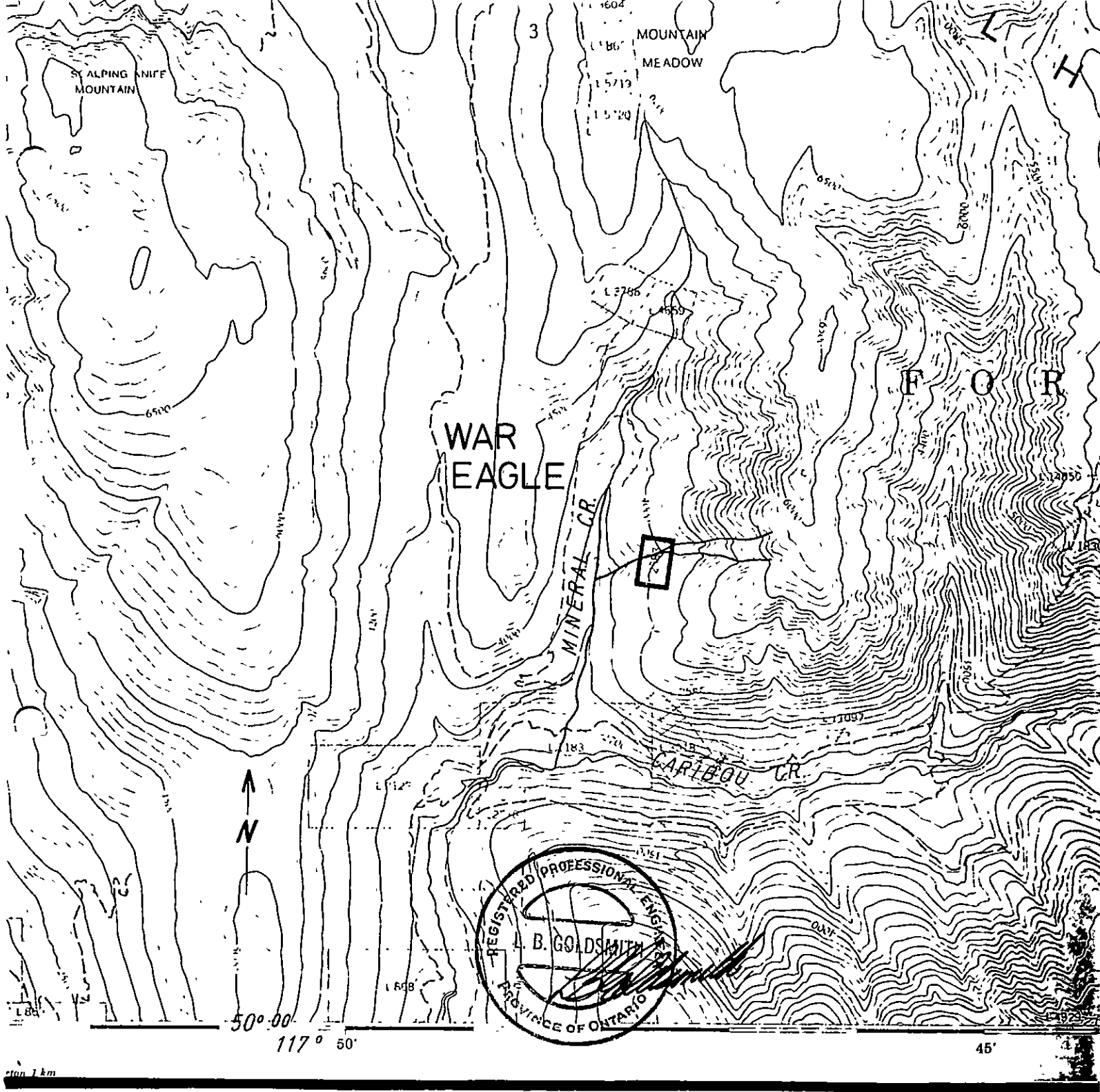
GEOLOGY

The area of the claim appears to be underlain predominantly by argillite as determined from fragments in the soil. At 00, 3+00S kaolinized or argillic-altered granite was observed in float. No mineralization was observed on the claim.

SOIL GEOCHEMISTRY

Base line for the grid was established at 080° with crosslines oriented at 170°. Line spacing is 75 metres with sample intervals of 100 metres. Samples were taken at depths of 20-30 cm below organic debris. Soils are a mixture of clay and sand. All samples were analyzed for copper, molybdenum, gold, and silver.

Too few samples were taken to determine statistical levels of background, threshold, and anomalous values. However, a subjective scan of the data indicates that there are no significant geochemical trends. Gold values of 20



WAR EAGLE 1795 (3)
 L 2583
 MINERAL CREEK, B.C. : SLOCAN M.D. : N.T.S. 82K / 4W

CLAIM LOCATION MAP 1:50 000

ARCTEX ENGINEERING SERVICES
 FEBRUARY 1982

and 30 ppb at 2+25W 4+00S and 2+25W 4+50S are slightly elevated above the remainder of the results. This area should be resampled when the western portion of the grid is completed. A single copper high of 77 ppm at 1+50W 2+00S should also be investigated by close-spaced samples surrounding the point.

CONCLUSIONS

Reconnaissance soil geochemistry has not indicated concealed mineralization on the claim.

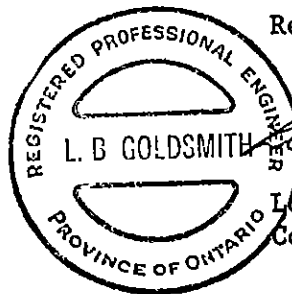
RECOMMENDATIONS

1. Soil sampling should be completed over the western portion of the claim.
2. A search should be made for the adit which is reported to be on the property.

COST ESTIMATE

To complete the survey, with a report, will require approximately \$2,000.

Respectfully submitted,



Locke B. Goldsmith
Locke B. Goldsmith, P.Eng.
Consulting Geologist

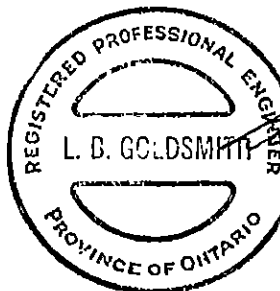
Vancouver, B. C.

March 5, 1982

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 from Michigan Technological University and have done postgraduate study in Geology at Michigan Tech, University of Nevada and the University of British Columbia. I am a graduate of the Haileybury School of Mines and am a Certified Mining Technician. I am a member of the Society of Economic Geologists, the AIME, and the Australasian Institute of Mining and Metallurgy, and a Fellow of the Geological Association of Canada.
3. I have been engaged in mining exploration for the past 23 years.
4. I have authored the report entitled, "Soil Geochemistry, War Eagle Claim, Slocan Mining Division, Burton, B. C.", dated March 5, 1982. The report is based upon fieldwork and research supervised by the author.
5. I own, 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.

March 5, 1982

ITEMIZED COST STATEMENT, 1981 PROGRAMME

WAGES

L. B. Goldsmith, October 8, March 5, total 2 days @ \$360/day	\$ 720.00	
G. Bennett, October 8, 1 day @ \$180/day	180.00	
P. Harker, October 8, 1 day @ \$180/day	<u>180.00</u>	
	\$1080.00	\$1080.00

MEALS, ACCOMMODATION

October 8, \$27.60		27.60
$\$27.60 \div 3$ work days = \$9.20/day/person		

TRANSPORTATION

October 8, \$87.00/day		
130 miles @ \$0.30/mile	\$ 39.00	
Truck rental	30.00	
Gas	<u>18.00</u>	
	\$ 87.00	87.00

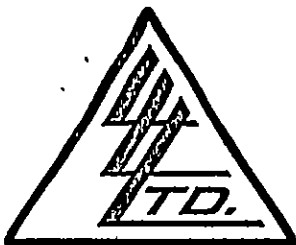
GEOCHEMICAL ANALYSES

$\$291.60 \div 24$ samples = \$12.15/sample		291.60
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REPORT

Drafting, prints, typing, report materials, Xerox		<u>437.50</u>
	TOTAL	\$1923.70

APPENDIX



LORING LABORATORIES LTD.

629 Beaverdam Rd. N.E.
Calgary 67, Alberta

Phone 274-2777

Geochemical Analysis of Soils, Sediments and Silts.

FOR: Copper, Lead, Zinc, Nickel and Silver, and Cobalt

Sample Preparation:

- Samples were placed in dryer overnight at 105°C.
- All samples are sieved through an 80 mesh nylon screen.
- The minus 80 is placed in pre-marked sample bag for analysis. The plus 80 portion is discarded.

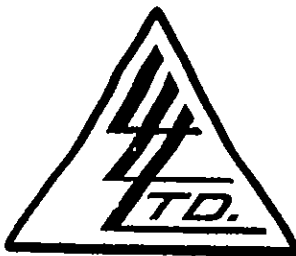
Sample Dissolution:

- 1/2 gram samples are weighed and transferred to test tubes.
- One ml water added, then three mls hydrochloric (concentrated), one ml nitric acid (concentrated) are added.
- Test tubes are then placed into hot water bath 100°C and digested for three hours with occasional shaking to ensure complete digestion.
- Test tubes are removed from water bath and allowed to cool.
- Test tubes are bulked to exactly 10 mls, corked and shook.
- All samples are then allowed to settle until clear.
- The clear solutions are then aspirated through the atomic absorption spectrophotometer with appropriate standards to obtain the metal content.

Detection Limits and Precision:

<u>Element</u>	<u>Detection Limit</u>	<u>Precision at 100 ppm level</u>
Copper	1 ppm	+ - 2 ppm
Lead	2 ppm	+ - 4 ppm
Zinc	1 ppm	+ - 2 ppm
Nickel	1 ppm	+ - 2 ppm
Silver	0.2 ppm	+ - 1 ppm
Cobalt	1 ppm	+ - 4 ppm

To: Mr. Locke B. Goldsmith,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3



File No. 22973
 Date January 27, 1982
 Samples Soil & Sand

cc: G. Bennett - New Denver, B.C.

Certificate of
ASSAY OF
LORING LABORATORIES LTD.

Page # 2

SAMPLE No.	PPM Ag	PPB Au
<u>"Soil & Sand"</u>		
<u>"War Eagle"</u>		
0+75W	1.2	-10
0+75W-1+00S	1.5	-10
2+00S	1.4	-10
3+00S	1.5	-10
4+00S	1.8	-10
4+50S	1.4	-10
1+00W	1.1	-10
1+50W-1+00S	1.5	-10
3+00S	1.3	10
4+00S	1.5	-10
4+50S	1.4	-10
No Footage 2+00S	1.6	-10
2+25W-1+00S	1.6	-10
2+00S	1.3	-10
3+00S	1.4	-10
4+00S	1.3	20
4+50S	1.2	30
BL-00+00	1.4	10
BL-0+00-1+00S	1.5	-10
2+00S	1.2	10
BL-2+25W	1.7	10
BL-0+00-3+00S	1.2	-10
4+00S	1.4	-10
4+50S	1.5	-10

(-) = Less Than

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

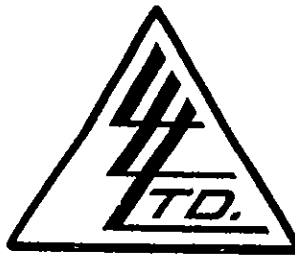
Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

[Signature]

Assayer

To: Mr. L.B. Goldsmith,
301, 1855 Balsam Street,
Vancouver, B.C. V6K 3M3

File No. 22973-1
 Date February 23, 1982
 Samples Soil



cc: G. Bennett - New Denver, B.C.

Certificate of
ASSAY OF
LORING LABORATORIES LTD.

Page # 2

SAMPLE No.	PPM Cu	PPM Mo
<u>"Soil Samples"</u>		
<u>"War Eagle"</u>		
0+75W	14	1
0+75W-1+00S	32	1
2+00S	26	1
3+00S	17	1
4+00S	49	2
4+50S	25	2
1+00W	34	2
1+50W-1+00S	30	1
3+00S	15	1
4+00S	25	1
4+50S	19	1
No Footage 2+00S	77	1
2+25W-1+00S	32	1
2+00S	31	1
3+00S	28	2
4+00S	19	2
4+50S	27	2
BL-0+00	22	2
BL-0+00-1+00S	36	2
2+00S	19	2
BL-2+25W	35	1
BL-0+00-3+00S	14	1
4+00S	36	1
4+50S	29	2

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

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

J. Endos

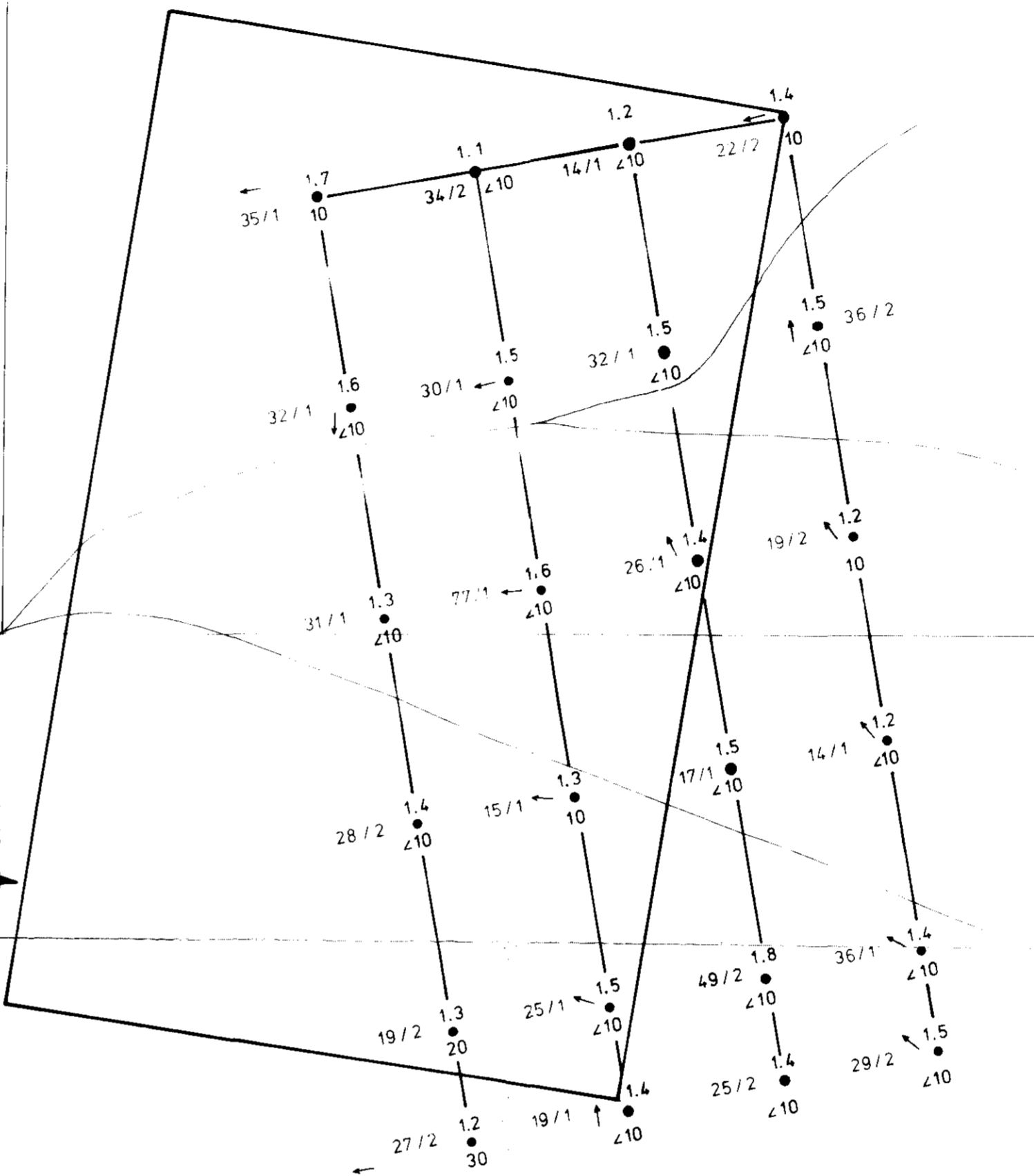
Assayer

ROAD

Mineral Creek

SGC 1187 (5)
WDS 1186 (5)

1795 (3)
L 2583



BURTON



0 25m. 100m. 200m.

117° 48'

50° 02'

WAR EAGLE

MINERAL CLAIM 1795 (3) L2583

SLOCAN M.D. MINERAL CREEK, B.C. 82K / 4W

SOIL GEOCHEMISTRY

TO ACCOMPANY REPORT BY
L.B. GOLDSMITH P.Eng.

ARCTEX ENGINEERING SERVICES
FEBRUARY 1982

