

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,905

GEOCHEMICAL & GEOLOGICAL REPORT

- on the -

DOR CLAIMS

CARIBOO MINING DIVISION

- FOR: -

EUREKA RESOURCES INC.,

837 E. CORDOVA STREET,

VANCOUVER, B.C.

Located: 35 km. east of Horsefly, B.C.

120° 57' W; 52° 17.5' N

NTS 93A/7W

Work Completed: July 1 - November 15, 1983.

Prepared By:

KERR, DAWSON & ASSOCIATES LTD.,

206 - 310 Nicola Street

KAMLOOPS, B.C. V2C 2P5

JOHN R. KERR, P. ENG.

November 10, 1983.

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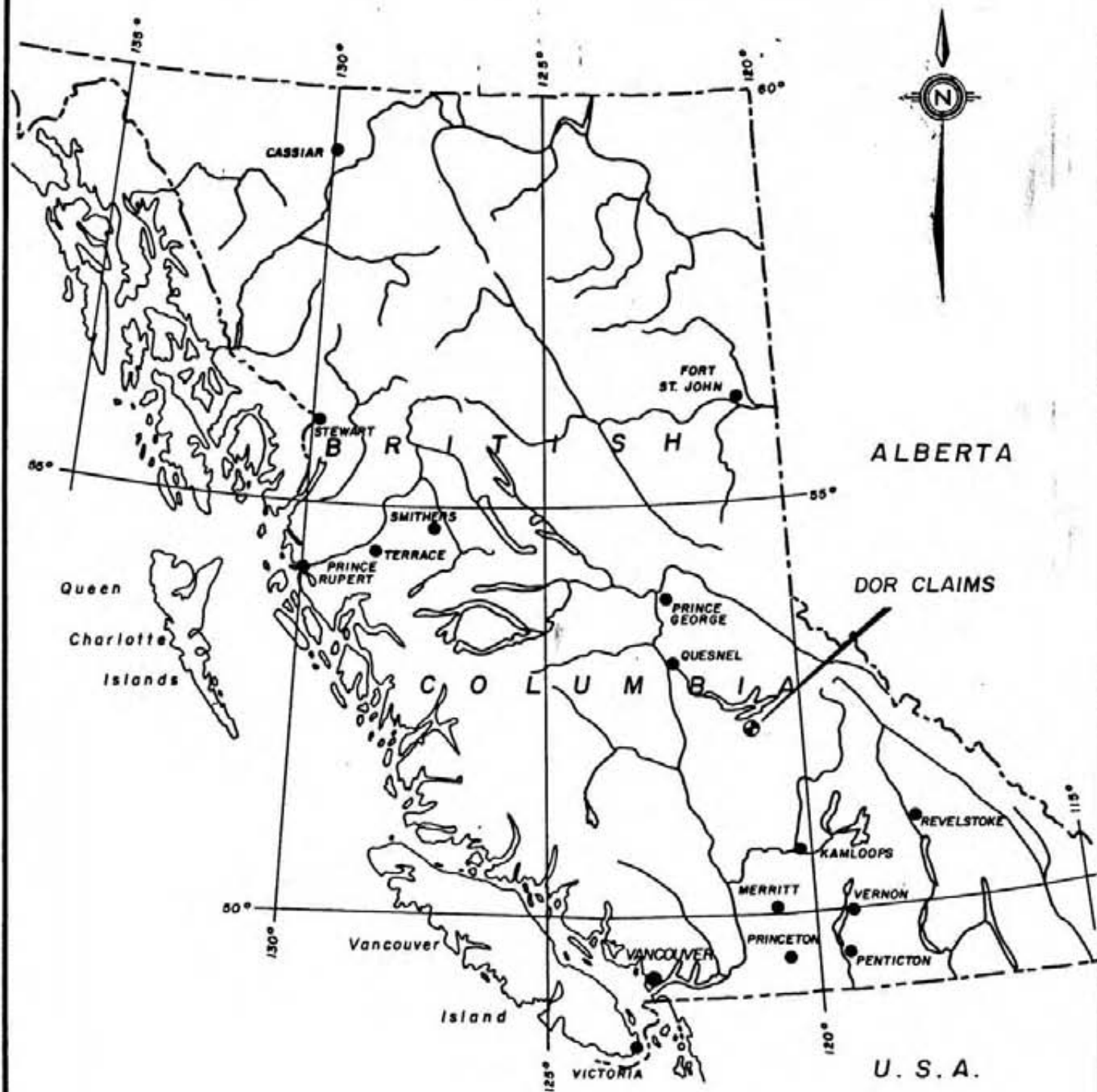
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FIGURE 238-1 Location Map

FIGURE 238-2 Index Map

FIGURE 238-3 Geochemical Plan (Gold)

FIGURE 238-4 Geology & Rock Sample Results



EUREKA RESOURCES INC.

LOCATION MAP
DOR CLAIMS

CARIBOO MINING DIVISION, B.C.

Technical Work by:
Kerr, Dawson & Assoc. Ltd.

Date : Nov., 1983.

Scale : 1cm. = 87 km.

Dwg No. 238-1

SUMMARY

- 1). The Dor claims (40 units) are located 35 km. east of Horsefly, B.C. in the Cariboo Mining Division to cover reported copper (gold) mineralization related to an altered quartz diorite stock. A reconnaissance geochemical survey completed in 1981 confirmed the presence of erratic gold/copper anomalies.
- 2). The 1983 field programme consisted of detailed soil and rock geochemistry, geological mapping, road building and test VLF-EM survey. Costs of this programme are \$19,282.15.
- 3). The claims are underlain by argillite, tuffaceous argillite, volcanic wacke, and fragmental andesite of the Triassic Antler Assemblage. A small altered quartz diorite stock is interpreted immediately north of Doreen Lake. Major structures have been noted dipping steeply in a general E-W direction.
- 4). Soil geochemistry has indicated a 1,000 meter long gold anomaly in the central portion of the claims with a general E-W strike. The EM survey revealed a conductor that correlates well with this anomaly. Rock chip sampling indicated a gold content of 4,800 ppb in a fragmental ferricrete, believed to be a surficial feature. A bulldozer cut through this zone revealing some boulders of massive pyrrhotite, pyrite and chalcopyrite in the ferricrete. The bedrock source was not exposed. Assays of this material indicate a gold content ranging .022 - .155 oz/T Au.
- 5). The coincident soil anomaly and EM conductor directly related to an indicated source of massive sulphides provides a viable geological model for an economic gold deposit. Trenching and diamond drilling are recommended as the next phase of exploration.

INTRODUCTION

General Statement:

The Dor claims were located to cover reported copper/gold mineralization related to a quartz diorite stock in the Horsefly River area, Cariboo Mining Division. Based on reconnaissance geochemical programmes completed in 1981, which indicated erratic copper and gold anomalies, and a report dated December, 1982, by G. Belik, Eureka Resources completed a geological, geochemical and road building programme during the period July 1 - October 31, 1983.

This report summarizes the data collected during this programme.

Location and Access:

The Dor claims are situated about 85 km. east of Williams Lake, B.C. Geographic coordinates are $120^{\circ} 57' W$; $52^{\circ} 17.5' N$ (NTS 92A/7W).

Access via road to the claims is possible from two directions. Access from McKinley Creek is possible via an old logging road to Doreen Lake, a distance of 3 km. A recently constructed logging road exists up Doreen Creek from the main Horsefly River road. This road transects the eastern portion of the Dor 2 claim, 2 km. along this road. A recent cat trail has joined this logging road to the main Doreen Lake road, and is passable only to 4 x 4 vehicles.

Topography and Vegetation:

The Dor claims occur within the transition from rolling upland terrain of the Interior Plateau to the rugged Cariboo Mountains in the east. In general, the area is characterized by numerous lakes and streams, and by mountains of moderate relief.

Elevations of the claim area range from 950 meters a.s.l. to about 1,550 meters a.s.l. Doreen Lake is located in the central portion of Dor 1 and is drained by Doreen Creek flowing to the northeast.

Vegetation in the eastern and southern portion of the claims are commercial stands of cedar, fir, balsam and spruce. The remainder of the claim area is a part of a large burn (~1965), with light to moderate secondary growth.

Claims:

The property is comprised of two claims (40 units), staked by the Modified Grid System.

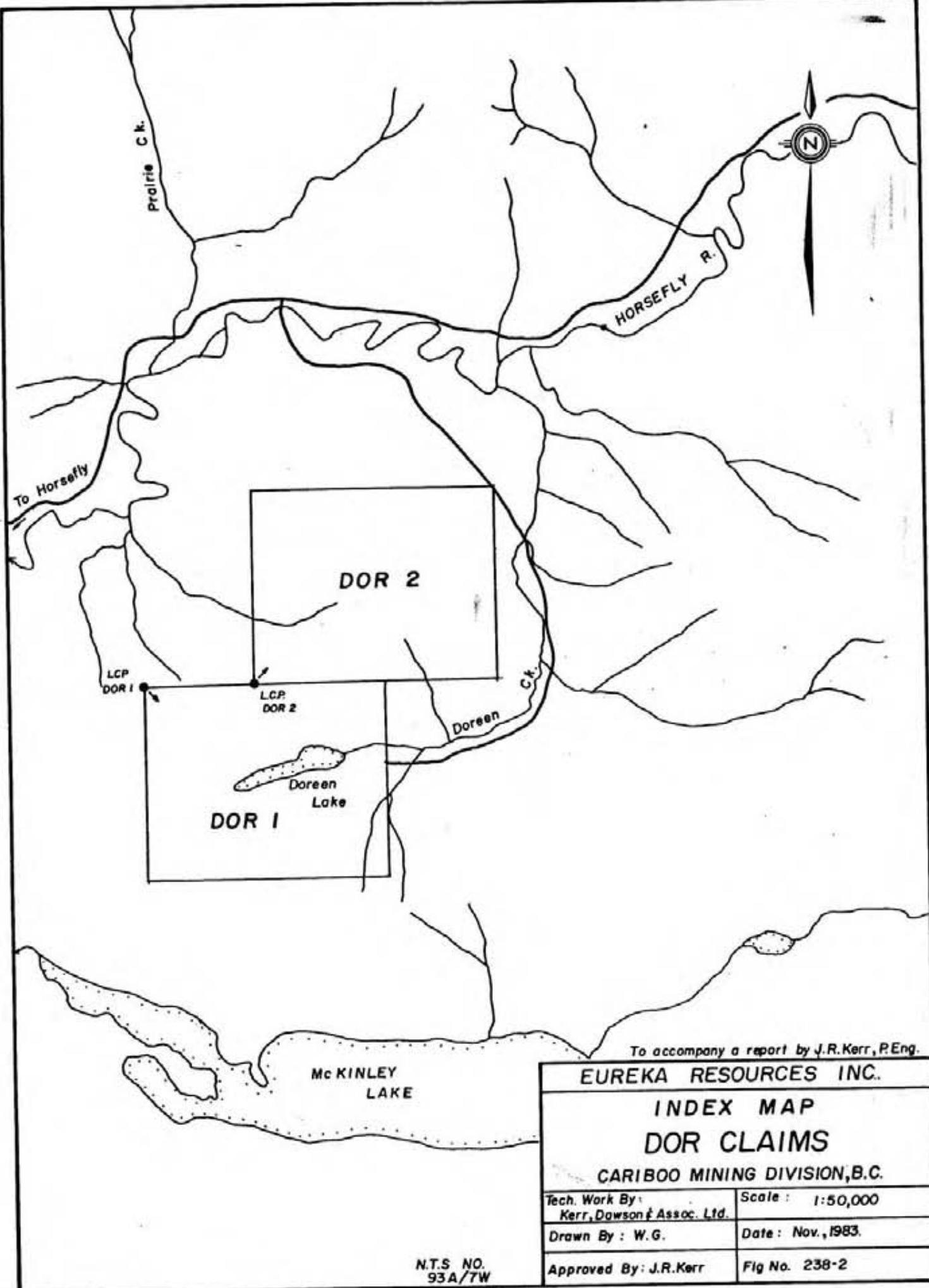
<u>Claim Name</u>	<u>No. Units</u>	<u>Record No.</u>	<u>Mining Div.</u>	<u>Recording Date</u>
Dor 1	20	3261	Cariboo	March 27, 1981
Dor 2	20	4091	Cariboo	October 15, 1981

All claims are currently in good standing, and work costs stated in this report will further add assessment years to the claims. The claims are owned by Eureka Resources, Inc.

History:

The only record of earlier exploration work having been previously completed on the property is in the annual Ministry of Mines report for 1974. Newmont Mining Corp., and Dome Mines completed reconnaissance geology and geochemistry in the area in search of porphyry copper deposits in a small altered quartz diorite stock. Results of this programme are unavailable.

The Dor claims were located in 1981, with the knowledge that gold is associated with copper mineralization related to these stocks. The resulting government release (1981) revealed this association, which sparked a staking rush in the area. The largest holdings in the area are the Jamboree claims controlled by E & B Explorations Ltd., who have completed extensive geology, geochemistry, and rotary drilling on the claims. Much of their programme has been completed within 500 meters of the Dor claims.



To accompany a report by J.R.Kerr, P.Eng.

EUREKA RESOURCES INC.

INDEX MAP
DOR CLAIMS

CARIBOO MINING DIVISION, B.C.

Tech. Work By: Kerr, Dawson & Assoc. Ltd.	Scale: 1:50,000
Drawn By: W.G.	Date: Nov., 1983.
Approved By: J.R.Kerr	Fig No. 238-2

N.T.S. NO.
93A/7W

FIELD PROGRAMME - 1983

During the period July 3 - 14, 1983, a 33 km. grid was established north of Doreen Lake, in an area of erratic copper/gold geochemical anomalies detected from the 1981 survey, and in the northern portion of Dor 2 claim, where previous work had not been performed. Lines were spaced at 100 and 300 meter intervals, with sample stations established at 50 meter intervals. The grid was completed using compass and hip-chain methods.

Soil samples were collected from all sample stations, samples taken from the B horizon of soil development, where possible. In steep terraine, soils are dominantly talus, a mixture of B + C horizon, and sampled accordingly. In the Doreen Creek valley, deep overburden and organic accumulation exist. Samples collected from these areas may not represent bedrock source.

During the period Aug. 9 - 11, 1983, detailed soil sampling was completed between L17 + 00E to 25 + 00E and 2 + 00N to 3 + 00S, establishing lines at 50 meter intervals and collecting samples at 25 meter intervals. During the same period geological mapping of outcrop areas was completed, accompanied by rock chip sampling of outcrops and sub-outcrops.

During the period Oct. 15 - November 10, 1983, the detailed grid and soil sampling extended to L35 + 00E, experimental EM work was completed over the main target area, a 1.2 km. drill access road was built to the main showing area, further rock sampling was completed, and all data was compiled in this report.

All soils and rock-chips were collected in brown kraft envelopes, and submitted to the laboratories of Acme Analytical Laboratories in Vancouver, B.C. for gold analysis. The rock chips were ground and sieved to -80 mesh. The soils were sieved to -80 mesh. A 10 gm. aliquot was ignited, and the gold was digested in hot aqua regia and measured by atomic absorption methods. Results are reported in ppb. Au, and are displayed on the accompanying 1:5000 scale plan of the property, with appropriate interpretation (Fig. 238-3).

The test VLF-EM survey was completed on Lines 20 + 00E to 25 + 00E, from 3 + 00S to 2 + 00N, on 100 meter lines, readings taken at 25 meter intervals. The Fraser filter method of evaluating readings was completed, these values displayed on the accompanying 1:2000 scale map. (Fig. 238-4).

The drill access road provided outcrop exposures in the area of the mineralized zone. Samples of these exposures were collected and assayed for gold and silver, the data being displayed on Figure 238-4.

GEOLOGY

The general geology of the area is documented on G.S.C. Open File Map Sheet 574 by R.B. Campbell, 1978.

In summary, the Dor claims are underlain by the uppermost interbedded sedimentary/volcanic unit of the Triassic Antler Assemblage. Small Cretaceous alkalic diorite and quartz-diorite stocks intrude this unit at irregular intervals. One such stock is reported to occur within the Dor claims (GEM-1974, pg. 239). This stock is not indicated on the G.S.C. map.

Outcrop exposures are very rare on the Dor claims. Outcrop areas examined by the writer occur in the eastern area of Dor 2 claims in road-cuts, in the western area of Dor 1 claims as outcrop, and in the eastern portion of the common boundary of Dor 1 & Dor 2 claims (from L20 + OOE to 25 + OOE).

In all areas, the underlying rock is confirmed to be interbedded, argillite, tuffaceous argillite, andesite breccias and tuffs, and volcanic wackes. Because of lack of outcrop exposures, it is impossible to interpret individual beds, however contact exposures indicate a general 120° strike, dipping mod-steep to the northeast.

Outcrop of the quartz diorite was not found, however sub-outcrop and abundant float is noted in the vicinity of Lines 19 + OOE and 20 + OOE @ 3 + OOS. The contact of the stock as shown on the geological plan (Figure 238-4), is a mere interpretation based on abundance of float. The rock is described as a medium grained, highly altered, hornblende-rich diorite or quartz diorite. Alteration includes chlorite, epidote and kaolinite.

The major structural feature noted on the property is a series of E-W trending fractures and small shears, most abundant in the area L23 + 00E to L25 + 00E at the baseline. Slickensides and secondary brecciation is noted in some shears. Cross-cutting fractures in a general NNE direction were also noted.

An interesting surfacial conglomerate is noted between L2 + 00E and L25 + 00E. This rock is believed to be recemented overburden and talus. On L24 + 50E @ 1 + 10N a very rusty conglomerate (breccia) is noted, which appears to have been cemented by a high iron matrix. This rock is referred to as ferricrete, and a sample indicates a gold content of 4,800 ppb.

The drill access road provided outcrop exposure of this ferricrete, which apparently has depths >2 m. Also noted within the ferricrete are boulders containing massive pyrite, pyrrhotite and chalcopyrite, up to 1 meter diameter. It is believed the bedrock source of these massive sulfides is very near.

GEOCHEMISTRY

The gold values in soil were statistically analyzed, arriving at the following statistical data:

No. of samples	N - 887
Mean	M - 15.02 ppb. Au.
Standard Deviation	S - 27.73 ppb. Au.

From this, the following geochemical anomaly classifications are derived:

Negative	0 - 15 ppb. Au.
Possibly Anomalous	20 - 40 ppb. Au.
Probably Anomalous	45 - 65 ppb. Au.
Definitely Anomalous	> 70 ppb. Au.

Anomalous zones are contoured with respect to the above classification.

The largest, strongest anomaly interpreted extends from L16 + OOE to L26 + OOE just north of the baseline. This zone can be traced an additional 1,100 meters to the west from scattered possibly and probably anomalous soils. On L5 + OOE @ 1 + 50N, the western property line, an isolated definitely anomalous sample exists (410 ppb). This falls along the western extension of the main zone. To the east, the anomaly can be irregularly traced to L29 + OOE (an additional 300 meters), however is somewhat confusing as the anomaly lies partially on the adjoining Jamboree claims.

A second anomalous trend is indicated on Lines 17 + OON to 19 + OON from 2 + OOS to 3 + OOS. The indicated trend is 120° ; and the southeastern extension of this trend may be confused due to deep overburden.

Two isolated high soil values were found on:

- 1). L12 + OOE @ 7 + OOS
- 2). L14 + OOE @ 20 + OON

Some detailed sampling in these areas is suggested.

E.M. SURVEY

The E.M. Survey was completed on six lines only (L20 - 25 + 00E) to test a possible E-W structure over the known geochemical anomaly. Anomalies (crossovers) were interpreted on all six lines correlating quite well with the geochemical trend. The strongest crossover is on L25 + 00E @ 1 + 00N, and correlates very well with the massive sulfides encountered along the drill access road. To the west the anomaly relates to the northern edge of the geochemical anomaly, which probably reflects downhill dispersion of gold values in soil. Also to the west the strength of the anomaly dissipates, which may be a function of increasing depth of overburden.

In summary, the test results of the E.M. Survey were successful, and further electromagnetic work should be completed over the entire grid.

ECONOMIC POTENTIAL

Geochemistry has delineated a zone over a strike length of 1,000 meters. This zone correlates well with an interpreted conductor from a test EM survey. The bedrock source of gold has not been exposed on surface, however in the eastern portion of the anomaly, massive sulfide boulders, welded into a consolidated ferricrete have been located. It can therefore be concluded that the massive sulfides is probably the source of gold. Assays of three samples of this ferricrete (some containing sulfides) range .022 - .155 oz/T Au.

It is unknown at this time the geological significance of the massive sulfides. The dominant sulfides are pyrrhotite (70-80%), pyrite (10-25%), and chalcopyrite (~5%). Outcrops in the area indicate a strong fracture and shear trend in an E-W direction, corresponding with the trend of the E.M. conductor and geochemical anomaly. This would suggest replacement of massive sulfides in a structural system. The possibility of a stratabound volcanogenic origin should however not be ruled out.


The coincidence of an E.M. conductor and a strong gold geochemical anomaly to an indicated source of bedrock gold in massive sulfides provides a viable geological model for an economic gold ore deposit. Surface exposure of the zone by trenching and diamond drilling are recommended as the next phase of exploration.

RECOMMENDATIONS

- 1). Trenching across the target zone at regular intervals along the full length of the anomaly, to establish possible widths of mineralization. A D-7 or D-8 Cat (or equivalent), with rippers is recommended.
- 2). Allow for 500 meters of diamond drilling the location and direction of drill holes contingent upon the trenching.
- 3). Complete VLF-EM Survey over the entire grid area.
- 4). Some detailed soil sampling in areas of isolated high soil anomalies.

Respectfully Submitted By:

KERR, DAWSON AND ASSOCIATES LTD.,


John R. Kerr
John R. Kerr, P. Eng.

November 10, 1983.

APPENDIX A

COST STATEMENTS

COST STATEMENT
DOR CLAIMS
CARIBOO MINING DIVISION

July 1 - August 15, 1983.

LABOUR:

John R. Kerr, P. Eng. 5 days @ \$300.00/day	1,500.00	
Wm. Dawson, Field Technician 12 days @ \$160.00/day	1,920.00	
R. Henderson, Assistant 11 1/2 days @ \$140.00/day	1,610.00	
B. Cross, Assistant 2 1/2 days @ \$150.00/day	<u>375.00</u>	5,405.00

EXPENSES:

Geochemical Costs		3,623.00
Truck Rentals 15 days @ \$35.00/day 1090 miles @ 0.35/mile	525.00 <u>381.50</u>	906.50
Room & Board		1,124.85
Base Map Preparation		61.40
Purchase of Field Supplies (soil envelopes, flagging, toposil, notebooks)		<u>298.40</u>

TOTAL	<u><u>\$11,419.15</u></u>
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COST STATEMENT
DOR CLAIMS
CARIBOO MINING DIVISION

October 15 - November 10, 1983.

LABOUR:

John R. Kerr, P. Eng.		
8 days @ \$300.00/day	2,400.00	
R. Henderson, Sr. Assistant		
3 1/2 days @ \$170.00/day	<u>595.00</u>	2,995.00

EXPENSES:

Geochemical & Assay Costs	743.00	
Room & Board	243.00	
Bulldozer Rental (Chesley Logging)	2,595.00	
Truck Rental	234.50	
Report Preparation		
-Drafting	800.00	
-Printing & Photocopying	72.50	
-Secretarial	<u>180.00</u>	
	<u>1,052.50</u>	<u>4,868.00</u>

TOTAL 7,863.00

July 1 - Aug. 15/83 11,419.15

TOTAL 1983 PROGRAMME. . . \$19,282.15

APPENDIX B

GEOCHEMICAL & ASSAY DATA

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH:253-3158 TELEX:04-53124

DATE RECEIVED JULY 19 1983

DATE REPORTS MAILED *July 29/83*

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : SOIL - DRIED AT 60 DEG C., -80 MESH.

AU* - 10 GM, IGNITED, HOT AQUA REGIA LEACH MIBK EXTRACTION, AA ANALYSIS.

ASSAYER *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

KERR DAWSON

FILE # 83-1253

PROJECT # 238

PAGE# 1

SAMPLE

AU*
PPB

0+50S 5E

35

1 S 5E

25

1+50S 5E

5

2 S 5E

5

2+50S 5E

10

3 S 5E

5

3+50S 5E

5

4 S 5E

5

4+50S 5E

5

5 S 5E

5

5+50S 5E

5

6 S 5E

10

6+50S 5E

5

7 S 5E

5

7+50S 5E

5

8 S 5E

15

8+50S 5E

10

9 S 5E

5

9+50S 5E

5

10 S 5E

5

0+50S 6E

5

1 S 6E

10

1+50S 6E

10

2 S 6E

20

2+50S 6E

5

3 S 6E

5

3+50S 6E

5

4 S 6E

5

4+50S 6E

10

5 S 6E

5

5+50S 6E

5

6 S 6E

5

6+50S 6E

5

7 S 6E

5

7+50S 6E

30

8 S 6E

10

8+50S 6E

10

9 S 6E

5

SAMPLE	AU* PPB
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1 S 7E	45
1+50S 7E	10
2 S 7E	20
2+50S 7E	25
3 S 7E	15
3+50S 7E	10
4 S 7E	5
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2 S 8E	5
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3 S 8E	5
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4 S 8E	5
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5 S 8E	5
5+50S 8E	10
6 S 8E	5
6+50S 8E	5
7 S 8E	5
7+50S 8E	5
8 S 8E	5
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1 S 9E	5
1+50S 9E	5
2 S 9E	5
2+50S 9E	5

SAMPLE	AU* PPB
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3+50S 9E	5
4 S 9E	5
4+50S 9E	5
5 S 9E	5
5+50S 9E	5
6 S 9E	40
6+50S 9E	5
7 S 9E	5
7+50S 9E	5
8 S 9E	5
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2 N 10E	5
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1 N 10E	410
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1 S 10E	5
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2 S 10E	25
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3 S 10E	5
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4 S 10E	5
4+50S 10E	5
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5+50S 10E	5
6 S 10E	5
6+50S 10E	5
7 S 10E	5

SAMPLE	AU* FPB
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8 S 10E	20
6 N 11E	5
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SAMPLE	AU* PPB
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4 S 12E	5
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2 S 13E	5
2+50S 13E	20
3 S 13E	15
3+50S 13E	5
4 S 13E	5
4+50S 13E	10
5 S 13E	5
5+50S 13E	10
6 S 13E	5
6+50S 13E	5
7 S 13E	5

SAMPLE	AU* PPB
20 N 14E	460
19+50N 14E	5
19 N 14E	5
18+50N 14E	5
18 N 14E	5
17+50N 14E	5
17 N 14E	5
16+50N 14E	5
16 N 14E	5
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15 N 14E	5
14+50N 14E	5
14 N 14E	5
13+50N 14E	5
13 N 14E	15
12+50N 14E	5
12 N 14E	5
11+50N 14E	5
11 N 14E	5
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5 N 14E	5
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4 N 14E	10
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2+50N 14E	20
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1 N 14E	45
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2 S 14E	5
2+50S 14E	5
3 S 14E	10

SAMPLE	AU* PPB
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4 S 14E	10
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3 S 15E	10
3+50S 15E	5
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11 N 17E	5
10+50N 17E	5
6 N 17E	5
5+50N 17E	5
5 N 17E	5
4+50N 17E	5

SAMPLE	AU* PPB
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3+50N 17E	45
3 N 17E	15
2+50N 17E	30
2 N 17E	5
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1 N 17E	10
0+50N 17E	20
0+50S 17E	60
1 S 17E	10
1+50S 17E	40
2 S 17E	15
2+50S 17E	10
3 S 17E	20
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4 S 17E	35
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4 S 18E	10

SAMPLE	AU* PPB
4+50S 18E	5
5 S 18E	5
5+50S 18E	10
6 S 18E	5
6 N 19E	5
5+50N 19E	5
5 N 19E	5
4+50N 19E	10
4 N 19E	10
3+50N 19E	5
3 N 19E	10
2+50N 19E	20
2 N 19E	5
1+50N 19E	5
1 N 19E	20
0+50N 19E	120
0+50S 19E	20
1 S 19E	10
1+50S 19E	25
2 S 19E	185
2+50S 19E	10
3 S 19E	20
3+50S 19E	15
20 N 20E	5
19+50N 20E	5
19 N 20E	5
18+50N 20E	10
18 N 20E	5
17+50N 20E	15
17 N 20E	20
16+50N 20E	5
16 N 20E	5
15+50N 20E	10
15 N 20E	5
14+50N 20E	5
14 N 20E	5

SAMPLE	AU* PPB
13+50N 20E	5
13 N 20E	5
12+50N 20E	5
12 N 20E	10
11+50N 20E	5
11 N 20E	5
10+50N 20E	10
6 N 20E	5
5+50N 20E	10
5 N 20E	5
4+50N 20E	5
4 N 20E	5
3+50N 20E	5
3 N 20E	5
2+50N 20E	5
2 N 20E	10
1+50N 20E	5
1 N 20E	35
0+50N 20E	30
0+50S 20E	5
1 S 20E	10
1+50S 20E	15
2 S 20E	20
2+50S 20E	10
3 S 20E	10
3+50S 20E	20
6 N 21E	5
5+50N 21E	5
5 N 21E	30
4+50N 21E	35
4 N 21E	10
3+50N 21E	15
3 N 21E	15
2+50N 21E	20
2 N 21E	10
1+50N 21E	20
1 N 21E	315
0+50N 21E	20

SAMPLE	AU* PPB
0+50S 21E	15
1S 21E	10
1+50S 21E	15
2S 21E	15
2+50S 21E	10
3S 21E	50
3+50S 21E	30
4+50S 21E	5
5S 21E	5
5+50S 21E	5
6S 21E	10
7S 21E	5
7+50S 21E	5
8S 21E	5
6N 22E	5
5N 22E	5
4+50N 22E	5
4N 22E	35
3+50N 22E	10
3N 22E	45
2+50N 22E	25
2N 22E	50
1+50N 22E	15
1N 22E	120
0+50N 22E	135
0+50S 22E	10
1S 22E	15
1+50S 22E	20
2S 22E	15
2+50S 22E	10
3S 22E	10
3+50S 22E	20
4S 22E	15
5S 22E	30
6+50S 22E	10
7S 22E	15
7+50S 22E	5
8S 22E	20

SAMPLE	AU* PFB
8+50S 22E	5
9S 22E	5
9+50S 22E	5
10+50S 22E	5
11S 22E	5
11+50S 22E	20
12S 22E	10
12+50S 22E	5
13S 22E	5
13+50S 22E	5
14S 22E	10
14+50S 22E	20
15S 22E	25
20N 23E	5
19+50N 23E	5
19N 23E	5
18+50N 23E	5
18N 23E	5
17+50N 23E	5
17N 23E	5
16+50N 23E	5
16N 23E	15
15+50N 23E	5
15N 23E	5
14+50N 23E	5
14E 23E	5
13+50N 23E	10
13N 23E	10
12+50N 23E	5
12N 23E	5
11+50N 23E	15
11N 23E	10
10+50N 23E	5
6N 23E	5
5+50N 23E	5
5N 23E	15
4+50N 23E	5

SAMPLE	AU* PPB
4N 23E	5
3+50N 23E	5
3N 23E	10
2+50N 23E	5
2N 23E	5
1+50N 23E	25
1N 23E	20
0+50N 23E	10
0+50S 23E	5
1S 23E	30
1+50S 23E	10
2S 23E	5
2+50S 23E	5
3S 23E	5
4+50S 23E	5
5S 23E	5
5+50S 23E	5
8S 23E	5
8+50S 23E	5
9S 23E	5
9+50S 23E	5
10S 23E	5
10+50S 23E	5
11S 23E	10
11+50S 23E	5
12S 23E	5
12+50S 23E	10
13S 23E	5
13+50S 23E	10
14S 23E	5
14+50S 23E	5
15S 23E	5
6N 24E	5
5+50N 24E	5
5N 24E	5
4+50N 24E	5
4N 24E	5

SAMPLE	AU* PPB
3+50N 24E	5
3N 24E	5
2+50N 24E	5
2N 24E	15
1+50N 24E	40
1N 24E	55
0+50N 24E	40
0+50S 24E	15
1S 24E	10
1+50S 24E	5
2S 24E	5
2+50S 24E	5
3S 24E	5
3+50S 24E	20
4S 24E	5
4+50S 24E	10
5+50S 24E	5
6S 24E	5
6+50S 24E	10
7S 24E	5
8S 24E	5
9S 24E	5
9+50S 24E	5
10S 24E	5
10+50S 24E	5
11S 24E	5
11+50S 24E	10
12S 24E	20
12+50S 24E	15
13S 24E	5
13+50S 24E	5
14S 24E	15
14+50S 24E	5
15S 24E	10
6N 25E	10
5+50N 25E	5
5N 25E	5
4+50N 25E	5

SAMPLE	AU*
	PPB
4N 25E	10
3+50N 25E	5
3N 25E	5
2+50N 25E	25
2N 25E	10
1+50N 25E	15
1N 25E	235
0+50N 25E	220
0+50S 25E	30
1S 25E	115
1+50S 25E	10
2S 25E	5
2+50S 25E	5
3S 25E	10
3+50S 25E	5
4S 25E	5
4+50S 25E	5
5S 25E	10
5+50S 25E	5
7S 25E	15
7+50S 25E	20
8S 25E	10
8+50S 25E	5
9S 25E	5
9+50S 25E	15
10S 25E	5
10+50S 25E	15
11S 25E	5
11+50S 25E	5
12S 25E	5
12+50S 25E	25
13S 25E	10
13+50S 25E	5
14S 25E	5
14+50S 25E	20
15S 25E	15

SAMPLE	AU* PPB
19+50N 26E	5
19N 26E	5
18+50N 26E	5
18N 26E	5
17+50N 26E	5
17N 26E	5
16+50N 26E	5
16N 26E	5
15+50N 26E	5
15N 26E	5
14+50N 26E	5
14N 26E	5
13+50N 26E	5
13N 26E	5
12+50N 26E	5
12N 26E	5
11+50N 26E	5
11N 26E	5
10+50N 26E	5
19+50N 29E	5
18+50N 29E	5
18N 29E	5
17+50N 29E	5
17N 29E	5
16+50N 29E	5
16N 29E	5
15+50N 29E	5
15N 29E	5
14+50N 29E	20
14N 29E	5
13+50N 29E	5
13N 29E	5
12+50N 29E	5
12N 29E	5
11+50N 29E	10
11N 29E	5
10+50N 29E	5

SAMPLE	AU*
	PPB
19N 32E	5
18+50N 32E	5
17+50N 32E	5
17N 32E	5
14+50N 32E	5
13N 32E	10
12+50N 32E	10
12N 32E	5
11+50N 32E	5
11N 32E	5
10+50N 32E	5
19+50N 35E	5
19N 35E	5
18+50N 35E	5
18N 35E	5
17+50N 35E	10
17N 35E	10
16+50N 35E	5
16N 35E	5
15+50N 35E	5
15N 35E	5
14+50N 35E	5
14N 35E	10
13+50N 35E	15
13N 35E	25
12+50N 35E	15
12N 35E	10
11+50N 35E	10
11N 35E	5
10+50N 35E	15

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : P1-4 SOIL P5-6 ROCK

AU* - 10 GM, IGNITED, HOT AQUA REGIA LEACH MIBK EXTRACTION, AA ANALYSIS.

ASSAYER W. J. P. DEAN TOYE, CERTIFIED B.C. ASSAYER

KERR DAWSON & ASSOCIATES

FILE # 83-1651

PAGE# 1

SAMPLE	AU* PPB
0+75N 17E	15
0+25N 17E	95
0+25S 17E	20
0+75S 17E	10
1+25S 17E	5
1+75S 17E	25
2+25S 17E	5
2+75S 17E	10
0+75N 17+50E	5
0+50N 17+50E	20
0+25N 17+50E	25
0+25S 17+50E	10
0+50S 17+50E	15
0+25N 18E	10
0+25S 18E	45
0+75S 18E	35
1+25S 18E	15
1+75S 18E	40
2+25S 18E	5
2+75S 18E	5
1N 18+50E	20
0+75N 18+50E	30
0+25N 18+50E	80
0+25S 18+50E	20
0+50S 18+50E	20
0+50SA 18+50E	10
1+25N 19E	5
0+75N 19E	35
0+25N 19E	55
0+25S 19E	5
0+75S 19E	5
1+25S 19E	5
1+75S 19E	15
2+25S 19E	5
2+75S 19E	5

SAMPLE	AU* PPB
1N 19+50E	25
0+75N 19+50E	65
0+50N 19+50E	85
0+25S 19+50E	10
0+50S 19+50E	5
1+75N 20E	20
1+25N 20E	5
0+75N 20E	120
0+25N 20E	20
0+25S 20E	10
0+75S 20E	10
1+25S 20E	5
1+75S 20E	15
2+25S 20E	10
2+75S 20E	20
1N 20+50E	30
0+75N 20+50E	95
0+50N 20+50E	150
0+25N 20+50E	70
0+25S 20+50E	30
0+50S 20+50E	10
0+75S 20+50E	10
1S 20+50E	25
1+75N 21E	10
1+25N 21E	20
0+25N 21E	10
0+25S 21E	15
0+75S 21E	10
1+25S 21E	5
1+75S 21E	5
2+25S 21E	5
2+75S 21E	15
3+25S 21E	45
3+75S 21E	20
0+75N 22E	90
0+25N 22E	75

SAMPLE	AU* PPB
0+25S 22E	10
0+75S 22E	5
1+25S 22E	5
1+75S 22E	5
2+25S 22E	5
2+75S 22E	15
3+25S 22E	5
0+75N 22+50E	5
0+50N 22+50E	60
0+25N 22+50E	40
0+25S 22+50E	5
0+50S 22+50E	5
0+75S 22+50E	15
1S 22+50E	25
1SA 22+50E	40
1+25N 23E	10
0+75N 23E P	5
0+25N 23E	50
0+25S 23E	5
0+75S 23E	5
3+25N 24E	10
1+75N 24E	5
1+25N 24E	265
1N 24E	870
0+75N 24E	120
0+25N 24E	15
0+25S 24E	5
0+75S 24E	25
1+25S 24E	10
1+75S 24E	5
2+25S 24E	60
2+75S 24E	5
2N 24+50E	35
1+75N 24+50E	30
1+50N 24+50E	35
1+25N 24+50E	710

SAMPLE	AU* PPB
0+75N 24+50E	275
0+50N 24+50E	165
0+25N 24+50E	25
0+25S 24+50E	15
0+50S 24+50E	35
0+75S 24+50E	10
1S 24+50E	20
0+75NA 25E	240
0+75N 25E	45
0+25N 25E	5
0+25S 25E	15
0+75S 25E	10

SAMPLE	Rock	AU* PPB
1N 19E		5
1+15N 20E		5
1N 20E		5
0+50N 20E		5
0+25N 20E		5
0+20S 20E		5
0+50S 20E		5
0+50N 21E		5
0+50S 21E		5
1S 21E		5
1AS 21E		5
2+10S 21E		5
0+45N 22E		5
0+30S 22E		55
1S 22E		5
1+40S 22E		5
0+50N 22+50E		5
0+20N 22+50E		5
0+25S 22+50E		5
0+50N 23E		5
0+05S 23E		60
1N 23+10E		5
1N 23+40E		5
2+10N 24E		5
1+40N 24E		5
0+95N 24E		10
0+90N 24E		5
0+50N 24E		5
0S 24E		5
0+40S 24E		5
0+60S 24E		5
0+90S 24E		5
1+30S 24E		5
1+90S 24E		5
2+25S 24E		5

SAMPLE

Rock

AU*
PPB

2+90S 24E	5
1+90N 24+50E	5
1+40N 24+50E	5
1+10N 24+50E	4800
0+20N 24+50E	40
0+25S 24+50E	10
0+75S 24+50E	5
0+40N 25E	10
0+25S 25E	5
0+55S 25E	5

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH:253-3158 TELEX:04-53124

DATE RECEIVED OCT 17 1983

DATE REPORTS MAILED Oct 24/83

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : PJ-4 SOIL P5 ROCK
AU# - 10 GM, IGNITED, HOT AQUA REGIA LEACH MIBK EXTRACTION, AA ANALYSIS.

ASSAYER D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

KERR DAWSON & ASSOCIATES LTD FILE # 83-2591A PAGE# 1

SAMPLE	AU* PPB
2N 25+50E	5
1+75N 25+50E	15
1+50N 25+50E	20
1+25N 25+50E	50
1N 25+50E	10
0+75N 25+50E	70
0+50N 25+50E	5
0+25N 25+50E	5
0N 25+50E	5
2N 26E	5
1+75N 26E	5
1+50N 26E	5
1+25N 26E	5
1N 26E	10
0+75N 26E	280
0+50N 26E	10
0+25N 26E	5
0N 26E	10
2N 26+50E	15
1+75N 26+50E	20
1+50N 26+50E	5
1+25N 26+50E	5
1N 26+50E	20
0+75N 26+50E	10
0+50N 26+50E	15
0+25N 26+50E	10
0N 26+50E	25
2N 27E	15
1+75N 27E	10
1+50N 27E	5
1+25N 27E	5
1N 27E	5
0+75N 27E	20
0+50N 27E	35
0+25N 27E	10
0N 27E	30

SAMPLE	AU* PPB
2N 27+50E	5
1+75N 27+50E	5
1+50N 27+50E	75
1+25N 27+50E	5
1N 27+50E	5
0+75N 27+50E	10
0+50N 27+50E	5
0+25N 27+50E	10
0N 27+50E	20
2N 28E	5
1+75N 28E	5
1+50N 28E	20
1+25N 28E	5
1N 28E	5
0+75N 28E	5
0+50N 28E	5
0+25N 28E	5
0N 28E	95
2N 28+50E	10
1+75N 28+50E	5
1+50N 28+50E	5
1+25N 28+50E	5
1N 28+50E	5
0+75N 28+50E	5
0+50N 28+50E	5
0+25N 28+50E	5
0N 28+50E	140
2N 29E	5
1+75N 29E	10
1+50N 29E	20
1+25N 29E	25
1N 29E	5
0+75N 29E	5
0+25N 29E	5
0N 29E	130

SAMPLE	AU* PPB
2N 29+50E	5
1+75N 29+50E	5
1+50N 29+50E	5
1+25N 29+50E	5
1N 29+50E	30
0+75N 29+50E	5
0+50N 29+50E	105
0+25N 29+50E	5
0N 29+50E	5
2N 30E	5
1+75N 30E	5
1+50N 30E	5
1+25N 30E	5
1N 30E	5
0+75N 30E	5
0+50N 30E	5
0+25N 30E	5
0N 30E	10
2N 31E	5
1+50N 31E	5
1N 31E	5
0+50N 31E	5
0N 31E	5
2N 32E	5
1+50N 32E	5
1N 32E	5
0+50N 32E	5
0N 32E	5
2N 33E	10
1+50N 33E	5
1N 33E	5
0+50N 33E	5
0N 33E	5

SAMPLE	AU* PPB
2N 34E	5
1+50N 34E	5
1N 34E	5
0+50N 34E	5
0N 34E	5
2N 35E	5
1+50N 35E	10
1N 35E	5
0+50N 35E	15
0N 35E	5

SAMPLE	AU* PPB
DR-19+20E 3S	5
DR-21+90E 0+70S	5
DR-22E 0+60S	5
DR-23+95E 0+20S	5
DR-24E 0+20S	5
DR-24+50E 0+05S	5
DR-24+90E 0+05N	5
DR-25+05E 0+10N	5
DR-25+10E 0+95N	5
DR-25+15E 0+10N	10
DR-25+30E 0+80N	5
DR-25+35E 0+75N	5
DR-25+40E 0+25N	5
DR-25+40E 0+70N	20
DR-25+40E 0+75N	20
DR-25+50E 0+50N	5
DR-25+55E 0+35N	5
DR-BL 24+10E	5
DR-BL 24+25E	5
DR-BL 24+55E	5

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DATE RECEIVED OCT 17 1983

DATE REPORTS MAILED

Oct 24/83

ASSAY CERTIFICATE

SAMPLE TYPE : ROCK - CRUSHED AND PRULVERIZED TO -100 MESH.

ASSAYER *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

KERR DAWSON & ASSOCIATES LTD

FILE # 83-2591B

PAGE# 1

SAMPLE	CU %	PB %	ZN %	AG OZ/TON	AU OZ/TON
D-TR-1 0-5	-	-	-	.01	.001
D-TR-1 5-10	-	-	-	.01	.001
D-TR-1 10-15	-	-	-	.01	.001
D-TR-1 15-20	-	-	-	.01	.001
D-TR-1 20-25	-	-	-	.04	.002
D-TR-1 25-30	-	-	-	.05	.002
D-TR-1 30-33	-	-	-	.04	.001
D-TR-1 41-44	.10	.01	.01	.18	.037
DR-TR-01	.45	.01	.10	.19	.022

APPENDIX C

WRITER'S CERTIFICATE

JOHN R. KERR, P. ENG.


Geological Engineer

#206 - 310 NICOLA STREET • KAMLOOPS, B.C. V2C 2P5 • TELEPHONE (604) 374-0544

CERTIFICATE

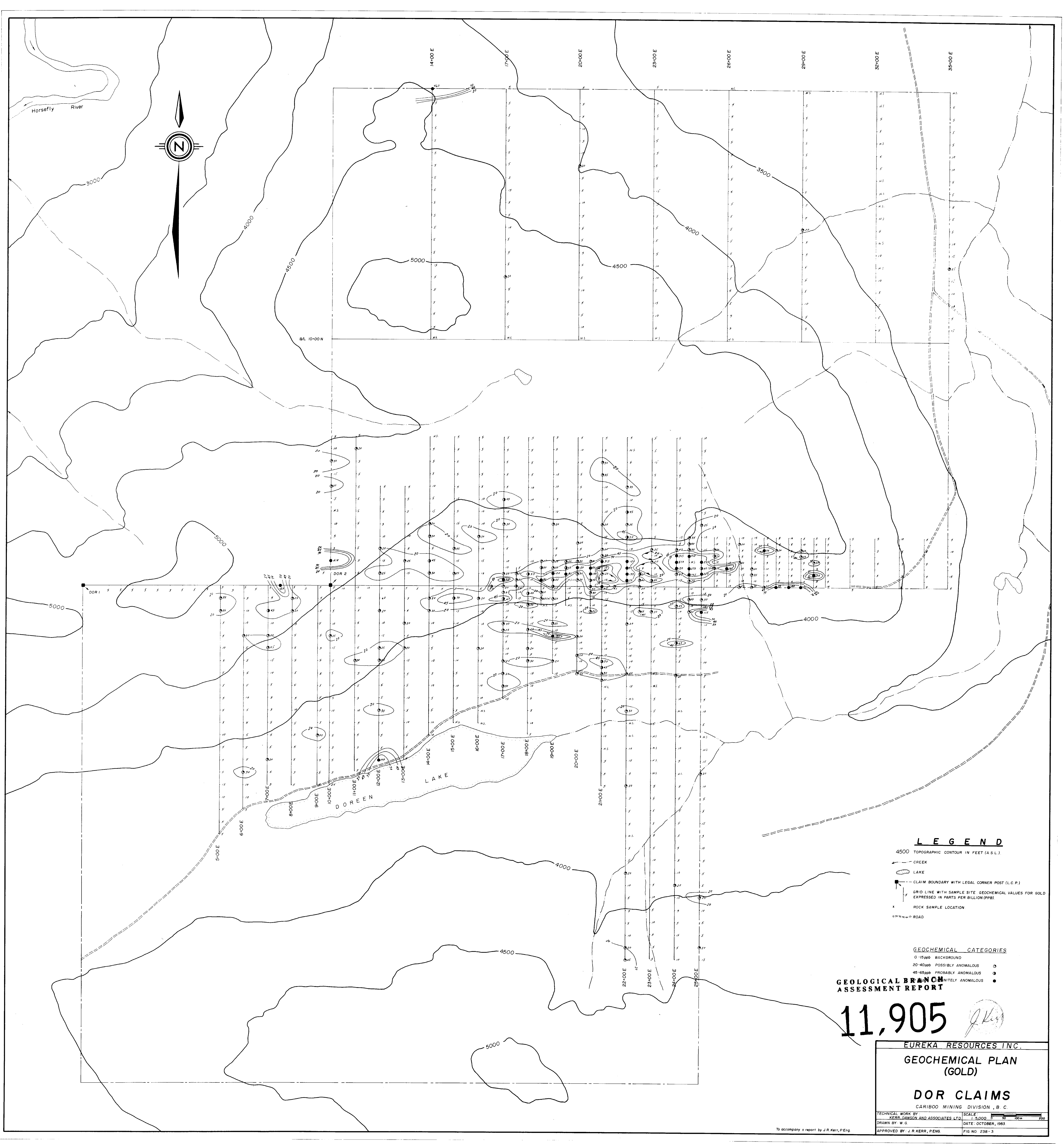
I, JOHN R. KERR, OF KAMLOOPS, B.C. DO HEREBY CERTIFY THAT:

- (1). I am a member of the Association of Professional Engineers of British Columbia and a Fellow of the Geological Association of Canada.
- (2). I am a geologist employed by Kerr, Dawson and Associates Ltd. of #206 - 310 Nicola Street, Kamloops, B.C.
- (3). I am a graduate of the University of British Columbia (1964), with a B.A. Sc. degree in Geological Engineering.
- (5). I am an officer and director of Eureka Resources Inc.
- (6). I supervised and assisted in the collection of data as compiled in this report. I am the author of this report which is based on the aforementioned data.


John R. Kerr
John R. Kerr, P. Eng.

November 10, 1983.

KAMLOOPS, B.C.



LEGEND

- 4500 TOPOGRAPHIC CONTOUR IN FEET (A.S.L.)
- CREEK
- LAKE
- CLAIM BOUNDARY WITH LEGAL CORNER POST (L.C.P.)
- GRID LINE WITH SAMPLE SITE, GEOCHEMICAL VALUES FOR GOLD EXPRESSED IN PARTS PER BILLION (PPB)
- ROCK SAMPLE LOCATION
- ROAD

GEOCHEMICAL CATEGORIES

- 0-15 ppb BACKGROUND
- 20-40 ppb POSSIBLY ANOMALOUS
- 45-65 ppb PROBABLY ANOMALOUS
- 65-100 ppb DEFINITELY ANOMALOUS

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,905

EUREKA RESOURCES INC.

GEOCHEMICAL PLAN
(GOLD)

DOR CLAIMS

CARIBOO MINING DIVISION, B.C.

TECHNICAL WORK BY: KERR, DAWSON AND ASSOCIATES LTD.
DRAWN BY: W.G.
APPROVED BY: J.R. KERR, P.ENG.
SCALE: 1:5,000
DATE: OCTOBER, 1983
FIG. NO. 238-3

