

'80- # 181- # 7985

GEOPHYSICAL REPORT

- ON THE -

DD CLAIM GROUP

KAMLOOPS MINING DIVISION

BRITISH COLUMBIA

- FOR -

PLACER DEVELOPMENT LTD.,
#700-1030 WEST GEORGIA STREET,
VANCOUVER, B. C. V6E 3A8.

COVERING: DD #1 (10 UNITS) AND DD #2 (20 UNITS).

WORK PERFORMED: MARCH 10 - MARCH 21, 1980.

LOCATION: (1). 51°36'39"N; 120°23'29"W.
(2). NTS MAP 92P/16W.
(3). 10 KM. SOUTH OF MOUNT MAHOOD.

PREPARED BY

KERR, DAWSON & ASSOCIATES LTD.

1 - 219 Victoria Street
Kamloops, B.C.

J. M. Dawson, P. Eng.,
April 20, 1980.



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(2). NTS Map 92P/16W.
(3). 10 km. south of Mount Mahood.

PREPARED BY:

Kerr, Dawson & Associates Ltd.,
#1 - 219 Victoria Street,
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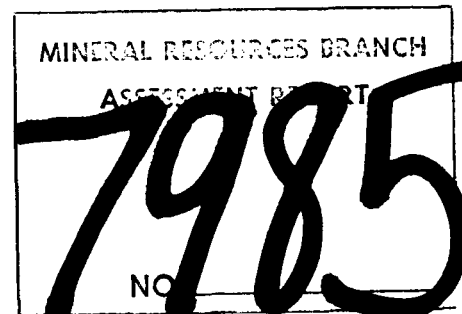


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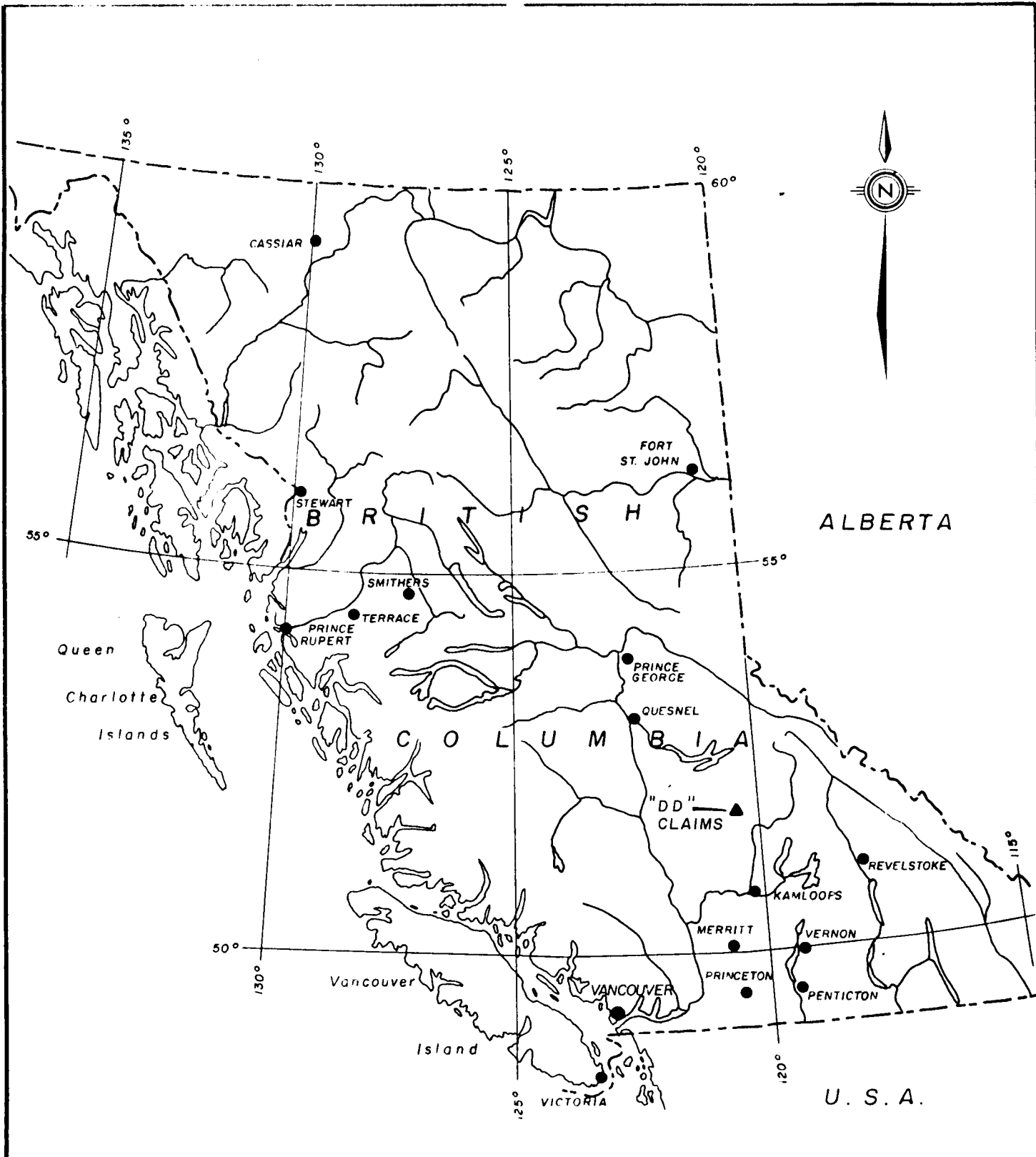
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Figure 199 A-1 - Location Map

Figure 199 A-2 - Claim Map

Figure 199 A-3 - Magnetic Survey



LOCATION MAP	
DD 1&2 CLAIMS	
KAMLOOPS MINING DIVISION, B.C.	
Technical Work by: Kerr, Dawson & Assoc. Ltd.	Date : MAR. 1980.
Scale : 1cm. = 87km.	Dwg No. 199A - 1

INTRODUCTION

The subject claims cover a molybdenum prospect which has been investigated periodically over the last 15 years.

The present work consisted of a magnetic survey over the northern part of the property.

Results of this work were interpreted and are included on a map appended to this report.

SUMMARY AND CONCLUSIONS

- (1). The DD property consists of 2 contiguous metric claims totalling 30 units, located in moderate terrain about 125 km. north of Kamloops, B. C. and is road accessible.
- (2). The showings were first discovered in the mid 1960's by Falconbridge who carried out geological, geochemical and geophysical surveys as well as limited trenching and drilling. The property was subsequently staked by two other companies who performed additional geological and geophysical studies. The property was subsequently restaked by Kerr, Dawson and Associates in 1979.
- (3). The property is underlain by granitic rocks of the Raft Batholith of which several phases have been recognized.
- (4). Porphyry-type molybdenum mineralization occurring in quartz veins is found in an area roughly one km. in diameter lying roughly 1.5 km. east-northeast of Patricia Lake.

- (5). A magnetic survey carried out over that part of the property containing the known mineralization gave no definite pattern which might be related to an alteration "halo". However, an expanded magnetic survey might yield significant patterns which might be related to a porphyry system.
- (6). Further detailed, integrated geological and geophysical surveys will be necessary to fully evaluate the potential of this property.

PROPERTY

The property consists of two contiguous metric claims totalling 30 units as follows:

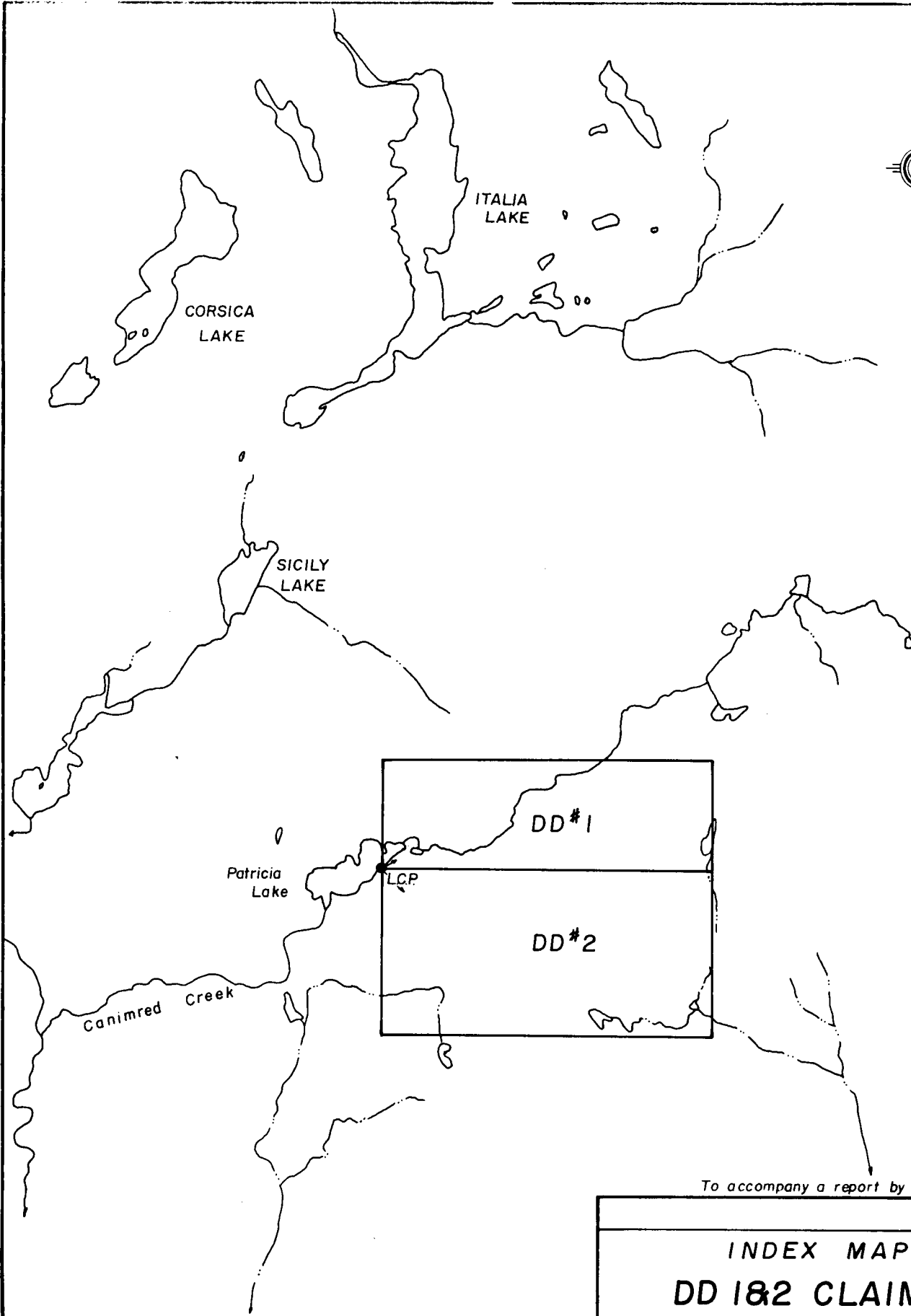
<u>Claim Name</u>	<u>Record No.</u>	<u>Tag No.</u>	<u>Expiry Date</u>
DD #1	1761	45467	March 27/80
DD #2	1762	45468	March 27/80

Disposition of these claims is shown on Figure #199 A-2.

LOCATION AND ACCESS

The property is located in south-central British Columbia about 120 km. north of the city of Kamloops. It is about 27 km. northwest of Clearwater, B. C. and about 14 km. south of Mahood Lake. Approximate geographic center of the property is at 51°36' north latitude and 120°23' west longitude.

Access to the claims is via a series of logging roads on the Clearwater Timber Company's tree farm licence. Road #2 is followed northwest from the mill on the outskirts of Clearwater for about 35 km. to Road #8. Road #8 leads northeasterly for about 6 km. to the property.



To accompany a report by W. Gruenwald, B.Sc.

INDEX MAP	
DD 1&2 CLAIMS	
KAMLOOPS MINING DIVISION, B. C.	
Tech. Work By: Kerr, Dawson & Assoc. Ltd.	Scale: 1:50,000
Drawn By: W.G.	Date: March, 1980.
Approved By: J.R.K.	Fig No. 199 A-2

N.T.S. NO.
92 P/16 W

PHYSIOGRAPHY AND VEGETATION

The claim block lies on the Nehalliston Plateau, a rolling upland area with maximum relief in the area of 1,000 feet (300 meters). Elevations on the subject claims vary from about 4,600 feet a.s.l. along the valley of Canimred Creek to about 5,500 feet a.s.l. in the center of DD #2 claim. Locally slopes are moderate to steep but are easily negotiated on foot.

The property is heavily forested with mature spruce and fir except for a number of recent logging slashes. Locally this bush can be dense with much low underbrush. Active logging is currently taking place so additional new roads and cleared areas may be expected.

PREVIOUS WORK

The area was first staked by Falconbridge in 1966 when stream geochemistry indicated areas anomalous in molybdenum. In 1967 geological, geochemical and geophysical surveys were carried out as well as road construction and limited trenching. In 1968 five diamond drill holes aggregating 833 meters were bored.

In 1974 Amoco Canada Petroleum Ltd. staked the property and performed geochemical and geophysical surveys.

In 1976 Vital Mines Ltd. staked the area and carried out an induced polarization survey; however, it is not clear how much of this work was done on the subject claims.

GEOLOGY AND MINERALIZATION

The property is underlain by granitic rocks of the Raft Batholith. The main molybdenite showings occur in a unit of medium grained, leucocratic biotite quartz monzonite which is surrounded by more mafic biotite quartz monzonite which grades to the southwest into biotite hornblende granodiorite. Both quartz monzonite phases are cut by dikes of quartz feldspar porphyry. The granitic and dike rocks are all cut by aplite dikes and they in turn are cut by molybdenum-bearing quartz veins. These veins are cut and offset by later quartz-pyrite veins. Molybdenite occurs exclusively in quartz veins which range from hairline to three quarters of an inch thick and may or may not have associated pyrite.

MAGNETIC SURVEY

A magnetic survey was carried out over a portion of DD #1 claim (see figure #199-A3) utilizing a Scintrex model MF-2 fluxgate magnetometer. This instrument measures the vertical component of the earth's magnetic field. Readings were taken at 50 meter intervals along cross lines and loop corrections made after each traverse. Individual loop traverses were tied to a base station traverse made along the north-south base line. The corrected readings were plotted on a 1:5,000 scale base map. Readings varied between 1,540 and 3,050 gammas and were split into five arbitrary divisions to indicate areas of relative "high" and "low" magnetic relief.

It should be noted that a number of magnetic storms occurred during March and April, 1980, and resulted in the discarding of an earlier magnetic survey carried out on this property. Indeed, the present survey may have been influenced somewhat by this activity.

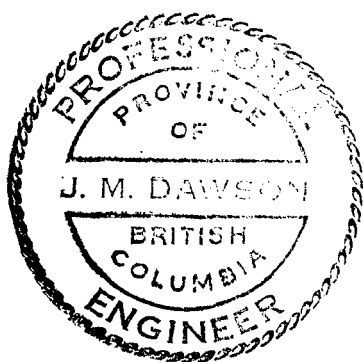
Upon first inspection of the data there would appear to be no definite magnetic pattern suggestive of a

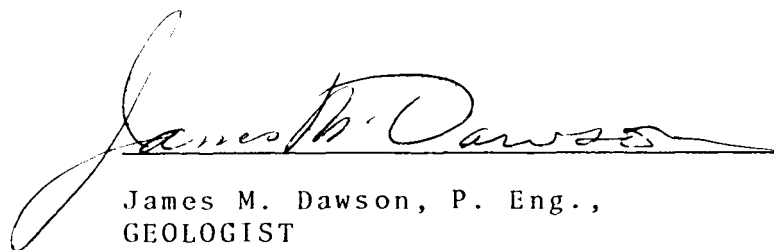
"porphyry-type" alteration halo - i.e. magnetic "low". The only large magnetic "low" appears to arc from the west central through the northern and into the east central portion of the grid. This broad magnetic "low" partially surrounds an area of higher values and is itself bounded to the south, west and east by higher magnetic values.

The approximate area of anomalous molybdenum values in soils and the known mineralization is outlined on figure #193A-3 and appears to overlie much of the magnetic low discussed above.

Respectfully Submitted:

KERR, DAWSON AND ASSOCIATES LTD.,




James M. Dawson, P. Eng.,
GEOLOGIST

Kamloops, B. C.,
April 20th., 1980.

APPENDIX A

PERSONNEL

PERSONNEL

J. M. Dawson, P. Eng. Geologist March 16, 1980

- 1 day

M. Mathieu Geophysical Operator March 16-21, 1980

- 6 days

Rich Heroux Bushman March 17-21, 1980

- 5 days

Steve Parks Bushman March 17-21, 1980

- 5 days

APPENDIX B

STATEMENT OF EXPENDITURES

APPENDIX C

WRITER'S CERTIFICATE

JAMES M. DAWSON, P. ENG.
GEOLOGIST

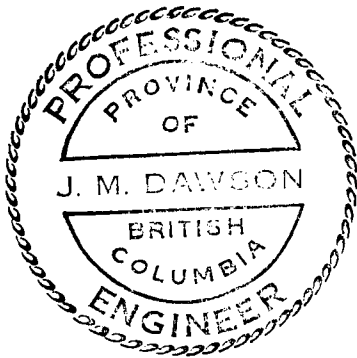
SUITE 1 - 219 VICTORIA STREET
KAMLOOPS, B.C.

PHONE (604) 374-6427

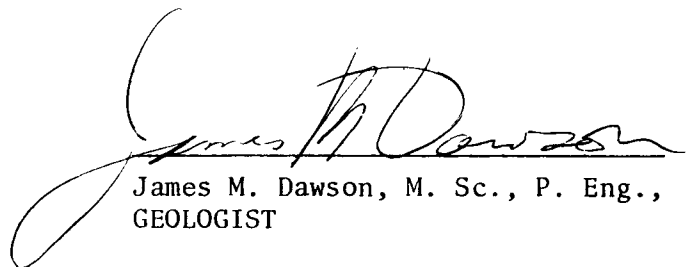
CERTIFICATE

I, JAMES M. DAWSON, OF KAMLOOPS, BRITISH COLUMBIA, DO HEREBY CERTIFY THAT:

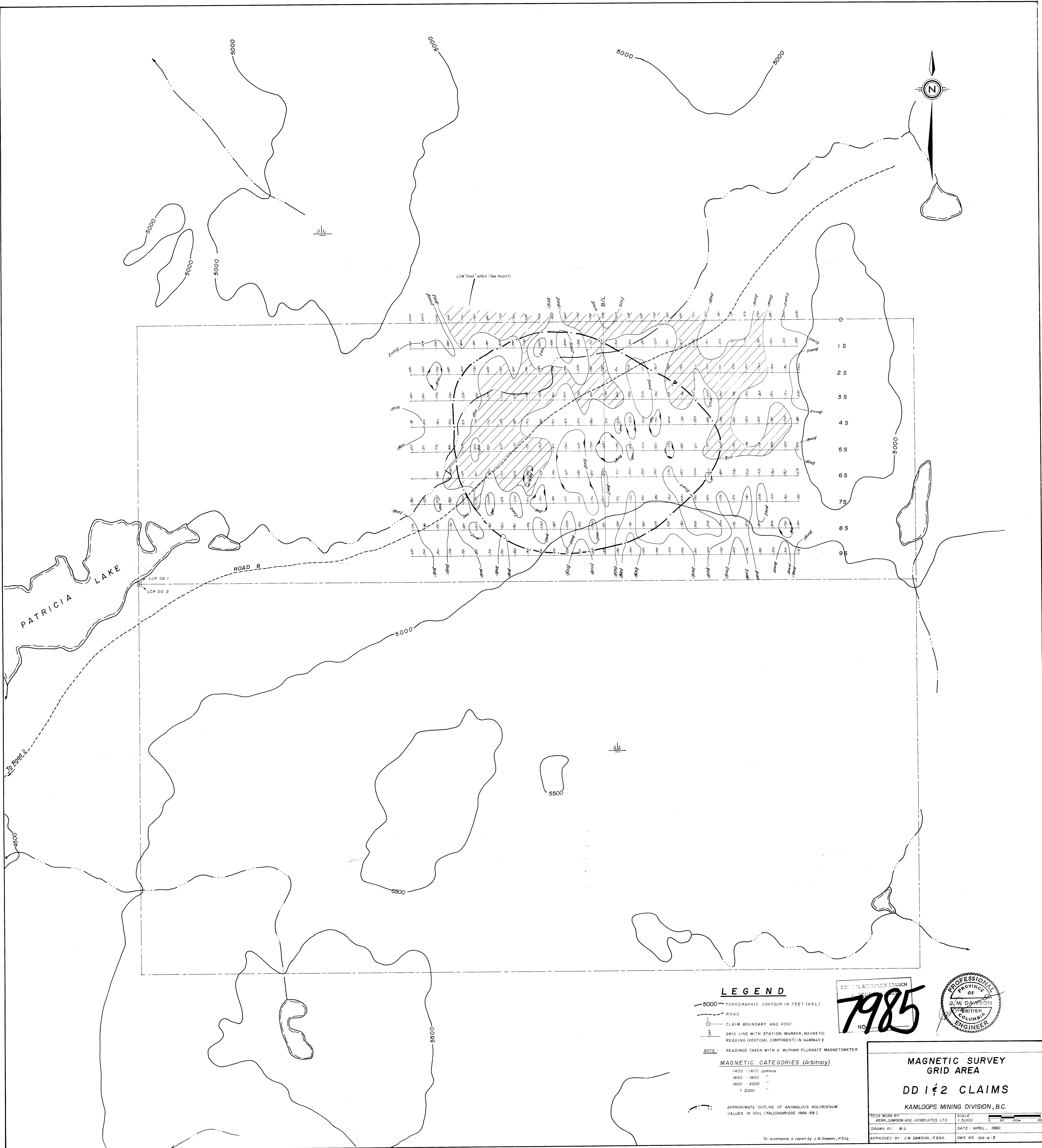
- (1). I am a geologist employed by Kerr, Dawson and Associates Ltd. of Suite #1, 219 Victoria Street, Kamloops, B. C. V2C 2A1.
- (2). I am a graduate of the Memorial University of Newfoundland - B. Sc.-(1960), M. Sc.-(1963), a fellow of the Geological Association of Canada and a Member of the Association of Professional Engineers of British Columbia. I have practised my profession for 17 years.
- (3). I am the author of this report which is based on a geophysical survey carried out on the subject property under my supervision.



KERR, DAWSON AND ASSOCIATES LTD.,


James M. Dawson, M. Sc., P. Eng.,
GEOLOGIST

April 20th., 1980,
KAMLOOPS, B. C.



LOW MAG. AREA (See Report)

0
1 S
2 S
3 S
4 S
5 S
6 S
7 S
8 S
9 S

PATRICIA LAKE

ROAD 8

LCP DD 1
LCP DD 2

LEGEND

- 5000 TOPOGRAPHIC CONTOUR IN FEET (ASL)
- ROAD
- CLAIM BOUNDARY AND POST
- GRID LINE WITH STATION MARKER, MAGNETIC READING (VERTICAL COMPONENT) IN GAMMAS

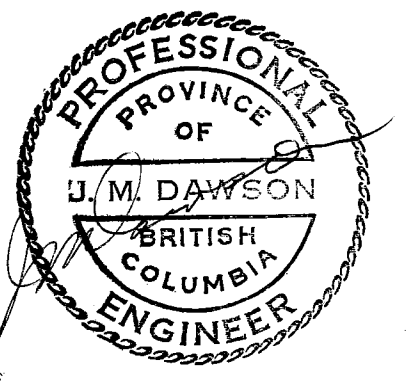
NOTE: READINGS TAKEN WITH A MOPHAR FLUXGATE MAGNETOMETER

MAGNETIC CATEGORIES (Arbitrary)

- 1400 - 1600 gammas
- 1600 - 1800 "
- 1800 - 2000 "
- > 2000 "

APPROXIMATE OUTLINE OF ANOMALOUS MOLYBDENUM VALUES IN SOIL (FALCONBRIDGE 1966-68)

MINERAL RESOURCES BRANCH
7985
NO.



MAGNETIC SURVEY GRID AREA

DD 1 & 2 CLAIMS

KAMLOOPS MINING DIVISION, B.C.

TECH. WORK BY: KERR, DAWSON AND ASSOCIATES LTD.	SCALE: 1:5,000
DRAWN BY: W.G.	DATE: APRIL, 1980
APPROVED BY: J.M. DAWSON, P.ENG.	DWG NO. 199-A-3

To accompany a report by J.M. Dawson, P.Eng.