

GEOPHYSICAL ASSESSMENT REPORT

ALINE Mineral Claim

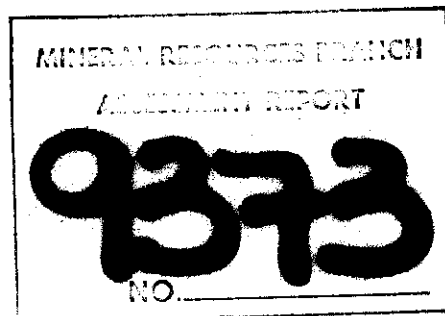
Fort Steele M. D.

N.T.S. 82G/4W

Latitude 49°08'

Longitude 115° 59'

June 8-12 and June 21-22 1981



October 1981

B. W. Downing

6415 - 64th Street

Delta, B. C.

V4K 4E2

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GEOPHYSICAL REPORT
ALINE Mineral Claim

1. INTRODUCTION

The Aline mineral claim is located approximately nine kilometres northeast of the town of Yahk, B. C., Figure 1.

Two abandoned logging roads provide access to the claim (see Figure 1). One road follows Manson Creek - southeasterly from Ryan and the other leaves the Hawkins Creek road about seven kilometres southeast of Yahk and runs northeasterly to the claim.

A grid 4500 metre grid was cut and picketed for control for the geophysical (VLF and magnetometer) survey.

2. GENERAL GEOLOGY

Outcrops are scarce in the claims area. Bedrock geology consists of Aldridge formation sedimentary rocks of the Lower Purcell Supergroup and minor gabbroic sills and dykes.

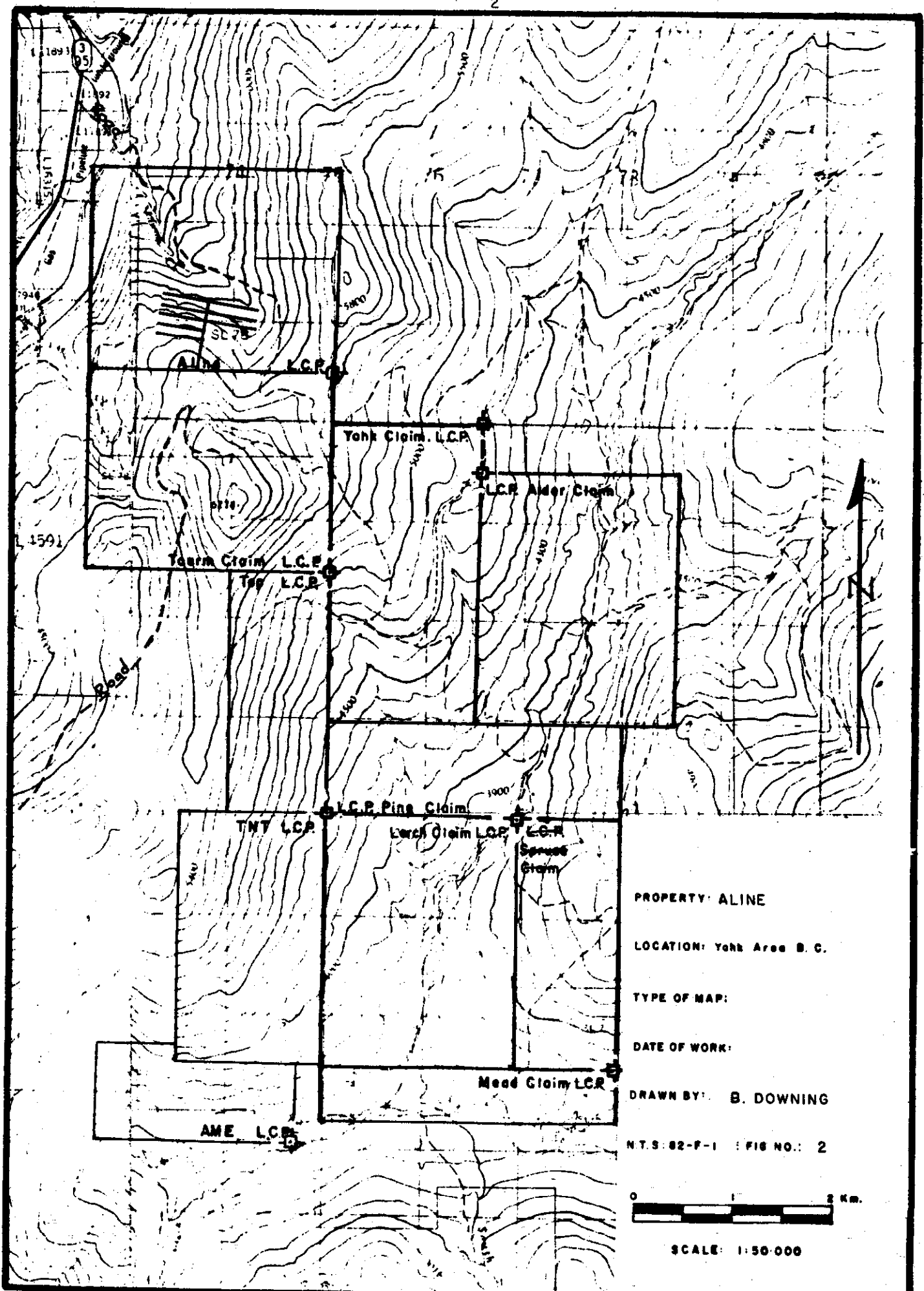
The Aldridge formation rocks are grey quartzites, wackes, siltstones and argillites. Beds may be graded, massive, or laminated.

All bedding attitudes indicate a gentle (about 10^0) easterly dip.

3. GEOPHYSICAL SURVEY

A magnetometer and electromagnetic (VLF) survey was carried out to map and define conductors related to faults, geologic contacts and mineralization. The instruments used are listed in Appendix III.

The geophysical survey was carried out by Steve Presunka of Presunka Geophysical Exploration Ltd.



PROPERTY: ALINE

LOCATION: Yohk Area B.C.

TYPE OF MAP:

DATE OF WORK:

DRAWN BY: B. DOWNING

N.T.S. 82-F-1 : FIG NO.: 2



SCALE: 1:50,000

3.1 Magnetometer Survey

Base stations were established along the base line for diurnal corrections. The magnetic fluctuation varied from 15 to 30 gammas. Readings were taken at 12.5 metre intervals along the grid lines and the corrected results plotted and profiled, Figure 2.

The magnetic relief ranges from 875 gammas on line 9N/337E to 1070 gammas on line 7N/275W, a range of 195 gammas. A narrow north-south magnetic anomaly extends across the grid from line 11N/335W through to 7N/275W.

3.2 Electromagnetic (VLF) Survey

Readings were taken at 12.5 metre intervals along the grid lines using station 18.6 (Jim Creek, Washington). The results are plotted on Figure 2.

No conductors were detected, however, the results indicate a possible change in conductive pattern between lines 8N and 7N, west of the base line.

4. CONCLUSIONS

The magnetometer and VLF results indicate no anomalies present within the survey area.

No further work is recommended.

APPENDIX I

Statement of Expenses

Linecutting and chaining (4500 metres)	1243.80
Contractor P. Totten Box 35 Jaffray, B. C. (June 8-12)	
Geophysical Survey (June 21 - 22)	945.00
Contractor: Presunka Geophysical Explorations Ltd.	
Supervision : B. W. Downing 1 day	150.00
Report Preparation 1 day (typing, writing, reproduction)	175.00
TOTAL	<u><u>\$2513.80</u></u>

Folio _____

Statement

June 16 1981

Mr Bruce Downing

6415 64th St, Delta, B.C. V4K 3N3

In Acc't With P. Totten, Box 35

JAFFRAY, B.C. V0B 1T0

Terms Net.

Line-cutting on Mt.			
Mahon, Hawkins cr.			
Near Yuhk, B.C.			
Base Line 6N TO 11N	500 M	\$	125
L 11 E	500 M		125
L 11 W	500 M		125
L 10 E	500 M		125
L 10 W	500 M		125
L 9 E	500 M		125
L 9 W	500 M		125
L 8 W	500 M		125
L 7 W	500 M		125
Total		4500 M	\$1,125 ⁰⁰
Rental 4x4 Due to Extreme conditions			118 ⁰⁰
And Line cutting at \$250 per K as per agreement with J. Wilson			\$1,243 ⁸⁰
AVIS Contr # T 333411 Chq# 061151			

STATEMENT

PRESUNKA GEOPHYSICAL EXPLORATIONS LTD.
232 PEMBLA ST
NEW WESTMINSTER BC

DATE JUNE 23 1981

BRUCE DOWNING

ALINE PROPERTY.

DATE	DETAILS	DEBIT	CREDIT	BALANCE
1 day	Magnetometer and			325. ⁰⁰
	EM-16 survey of			
	ALINE CLAIMS.			
	1 day mapping			300. ⁰⁰
1	day Travel			200. ⁰⁰
	400 miles @ 30¢.			120. ⁰⁰
				\$ 945. ⁰⁰
	Thank you			
	Steve Presunka			

APPENDIX II Statement of Qualifications

6415 - 64th Street
Delta, B. C.
V4K 4E2

September 28, 1981

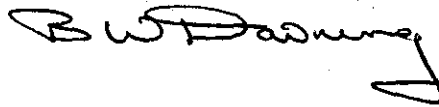
Mining Recorder
Dept. of Energy, Mines and Petroleum Resources
411, Douglas Building
Victoria, B. C.
V8V 1X4

Dear Sir:

This is to certify that the geophysical field work was carried out by S. Presunka of Presunka Geophysical Explorations Limited of Vancouver.

I, B. W. Downing, am a graduate of Queen's University (B. Sc.) and of the University of Toronto (M. Sc.) and a member in good standing of the Geological Association of Canada.

Yours sincerely,

A handwritten signature in dark ink, appearing to read 'B. W. Downing', with a stylized flourish at the end.

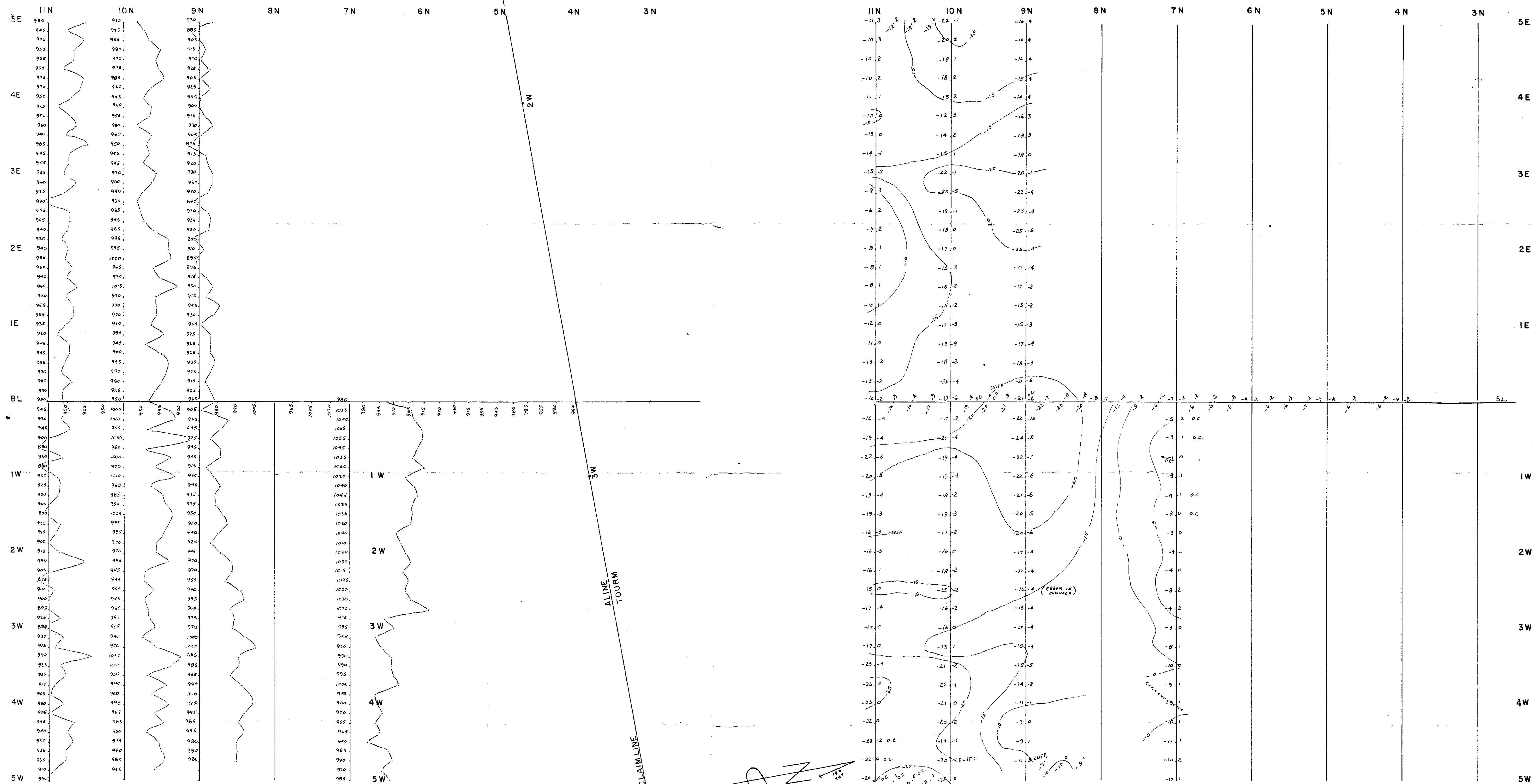
B. W. Downing

BWD:ik

APPENDIX III

GEOPHYSICAL INSTRUMENT MODELS

- 1) Barringer Proton Magnetometer
Model GM 1222, Serial No. 6282
(Vertical field component)
- 2) Ronka EM-16 (VLF)
Serial No. 2
VLF Station 18.6 Jim Creek, Washington



MAGNETOMETER SURVEY
 INST. SCINTREX FLUXGATE M.F.I.
 SERIAL NO. 905454
 PROFILE 900 GAMMAS ON LINE

SCALE 1:2500

JUNE 1981

S. PRESUNKA

ELECTROMAGNETIC SURVEY
 INST. RONKA EM16 SERIAL NO. 2
 VLF ST. 186 TILT DIRECTION 350°
 INPHASE CONTOURS 5% INTERVALS

SCALE 1:2500

JUNE 1981

S. PRESUNKA

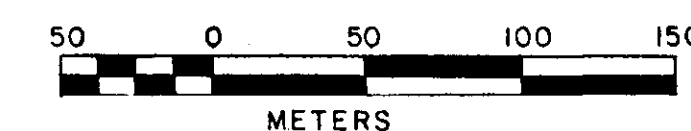
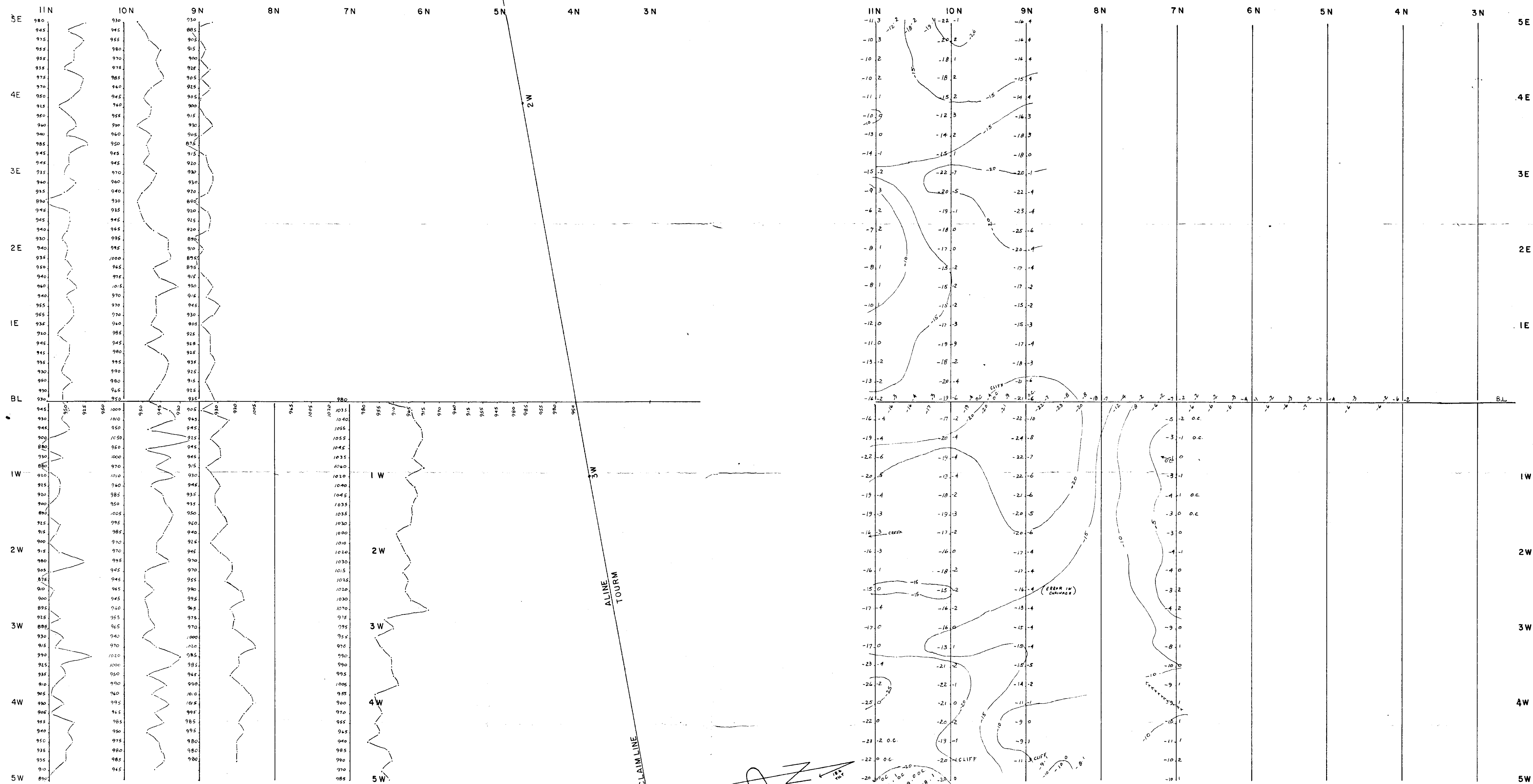


FIGURE 2
 GEOPHYSICAL MAP

MINISTRY OF NATURAL RESOURCES
 9373



MAGNETOMETER SURVEY
 INST. SCINTREX FLUXGATE M.F.I.
 SERIAL NO. 905454
 PROFILE 900 GAMMAS ON LINE

SCALE 1:2500

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ELECTROMAGNETIC SURVEY
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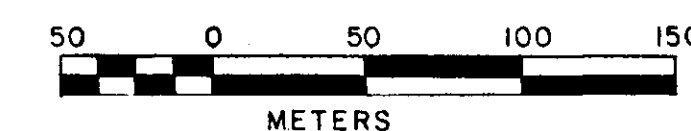


FIGURE 2
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MINISTRY OF NATURAL RESOURCES
 9373