

4303

92I/14E

MAGNETOMETER SURVEY REPORT ON THE MARDI
MINERAL CLAIMS OF ACHERON MINES LTD.(NPL)
AND GREAT SILVER MINES LTD.(NPL), ANGLISSEY,
KAMLOOPS MINING DIVISION.

MARDI 7-10; 13-40

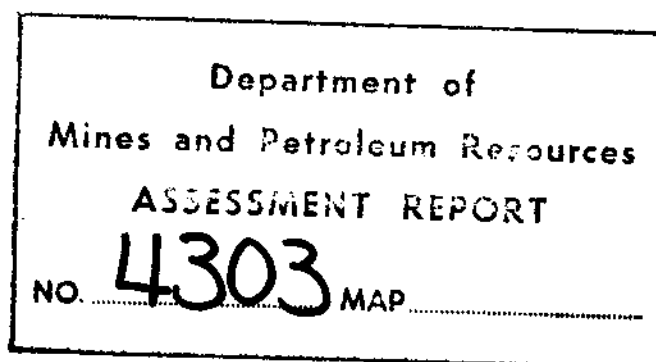
Situated 11 miles east of Cache Creek on the
Trans-Canada Highway.

$55^{\circ}42'N$; $121^{\circ}04'30''W$

Submitted by: D.P. Taylor, Geologist
Endorsed by: R.H.D. Philp, P. Eng.
Owner: Acheron Mines Ltd. (NPL)
Work done by: Agilis Engineering Ltd.

130

MAGNETOMETER SURVEY REPORT ON THE
MARDI CLAIM GROUP OF ACHERON MINES LTD. (NPL)
ANGLESEY, KAMLOOPS, MINING DIVISION, B. C.



April 23, 1973

Vancouver, B. C.



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MAPS

#1 PROPERTY LOCATION MAP	1" = 110 miles
#2 CLAIM MAP	1" = 400 feet
#3 MAGNETOMETER SURVEY	1" = 400 feet

MAGNETOMETER SURVEY REPORT ON THE
MARDI CLAIM GROUP OF ACHERON MINES LTD. (NPL)
ANGLESEY, KAMLOOPS, MINING DIVISION, B. C.

INTRODUCTION

The Mardi Mineral Claim group of Acheron Mines Ltd. (NPL) comprises 32 contiguous claims on the north side of the Trans-Canada Highway some 11 miles east of Cache Creek. For February and March of 1973 a grid was established on the claims and a magnetometer survey was conducted over the grid.

LOCATION AND ACCESS

The property is located on and north of the Trans-Canada Highway 11 miles east of Cache Creek in south central B. C. Access is by the highway which crosses the southwest corner of the claim group.

The centre of the property is located:

50° 48' N; 121° 4' 30" W.

PHYSIOGRAPHY

The property elevations range from 1,400 feet above sea level to 3,200 feet. Some steep bluffs out east-west across the property which rises moderately steeply to the north from the highway.

Precipitation is very low in this semi-arid area and vegetation consists generally of sagebrush, with some pine at higher elevations.

PROPERTY

The property comprises 32 mineral claims recorded in the Kamloops Mining Division on 12 April, 1972. Work was conducted over the entire claim group.

<u>Claims</u>	<u>Record Numbers</u>
Mardi 7 - 10	109629 - 109632
Mardi 13 - 40	109633 - 109660

REGIONAL GEOLOGY

According to the G. S. C. Geology Map 1010A Ashcroft, the Mardi claims are underlain by Upper Triassic Nicola group volcanics intruded on the west by Lower Jurassic Guichon Creek Batholith rocks. The northern part of the property is reported to be capped by Miocene Kamloops Group volcanics.

Intrusives and volcanic rocks east of the Mardi group are reported to carry varying amounts of copper and some zinc mineralization.

WORK CONDUCTED

A north-south base line was established on the property. East-west

lines were turned off from the baseline every 400 feet and stations were put in every 200 feet along the lines.

A magnetometer survey was conducted on the grid, using a Sharpe MF-1 fluxgate magnetometer.

MAGNETOMETER SURVEY

The survey was conducted over the grid established using the baseline, 00 station as control point. The baseline was used for control for corrections for diurnal drift. Diurnal drift was low in the winter conditions of the survey (average 20 gammas/day) and was assumed to be linear.

The results of the magnetometer survey are inconclusive. There is less than 100 gammas variation in the readings on the entire survey. This factor may be important in the diurnal drift corrections. No geological structures or magnetic trends have been defined. This type of result is not uncommon in areas underlain by Nicola Group volcanics, however, when more work is conducted on the group some check should be run on this survey's results.

CONCLUSIONS

No significant magnetometer data was obtained in the survey conducted. Some doubt may be cast on the validity of the results,

a malfunction of the instrument is suspected.

A useful grid has been established on the property and the claims have been surveyed by chain and compass.

RECOMMENDATIONS

The grid established should be used to conduct a geochemical survey for copper over the property and a 500 feet to the inch geological survey.

The magnetometer data obtained to date should be checked by re-running two or three lines at this time.

Further work may be considered depending on the results of these surveys.

Respectfully submitted by:



D. P. Taylor

Endorsed by:



R. H. D. Philp

April 1973.


Vancouver, B. C.

CERTIFICATE

I, David Pelham Taylor, of Vancouver, British Columbia, do hereby certify that:

1. I am an exploration geologist residing at 2097 West 6th Avenue, Vancouver, B.C.
2. I am a graduate of the Royal School of Mines, London University (M.Sc. Mineral Exploration) 1971.
3. I have practiced as an exploration geologist in B.C. for five years.
4. Information contained in this report is based on work performed under my direction during late February and March of 1973. The magnetometer crew was established and oriented on the property by myself.

Signed,



D.P. Taylor, M.Sc. D.I.C.

April 23rd, 1973

Vancouver, B.C.

DOMINION OF CANADA:
PROVINCE OF BRITISH COLUMBIA.
To Wit:

In the Matter of detailed gridding and magnetometer survey conducted on Mardi Group Properties.

I, Valerie McKee
of c/o 107-325 Howe Street, Vancouver, B.C.

in the Province of British Columbia, do solemnly declare that the following personnel were employed and costs incurred in conducting the surveys during February-March, 1973.

Personnel:

D. Taylor - geologist, report		300.00
C. Nelson - field	25 days @ 55.68/day	1,392.00
D. Reinke - "	25 days @ 61.81/day	1,545.25
B. Talbot - draughting	31 hours @ 8.50/hr	<u>263.50</u>
		3,500.75

Disbursements:

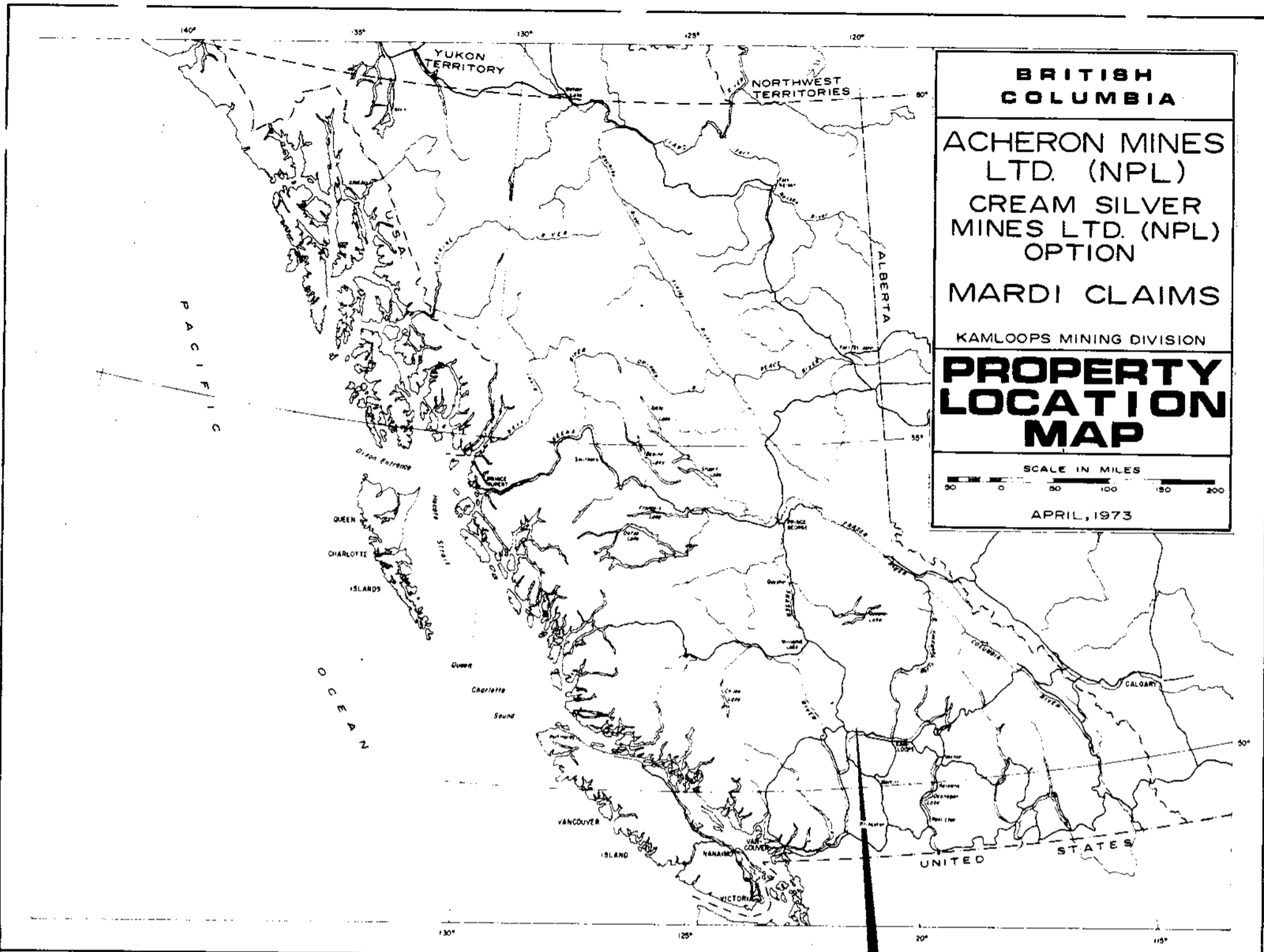
Meals and accommodation	857.60	
Gas and supplies	112.30	
Truck and auto rental	418.06	
Magnetometer	209.33	
Misc. prints, phone, etc.	<u>39.98</u>	1,637.27
+ 10% service charge on disbursements		<u>163.73</u>
	TOTAL AMOUNT	<u><u>\$5,301.75</u></u>

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the *City*
of *Vancouver*, in the
Province of British Columbia, this *10th*
day of *May*, 1973, A.D.

O. A. McKee

Max Paul Sub-mining Recorder
A Commissioner for taking Affidavits for British Columbia or
A Notary Public in and for the Province of British Columbia.



BRITISH COLUMBIA

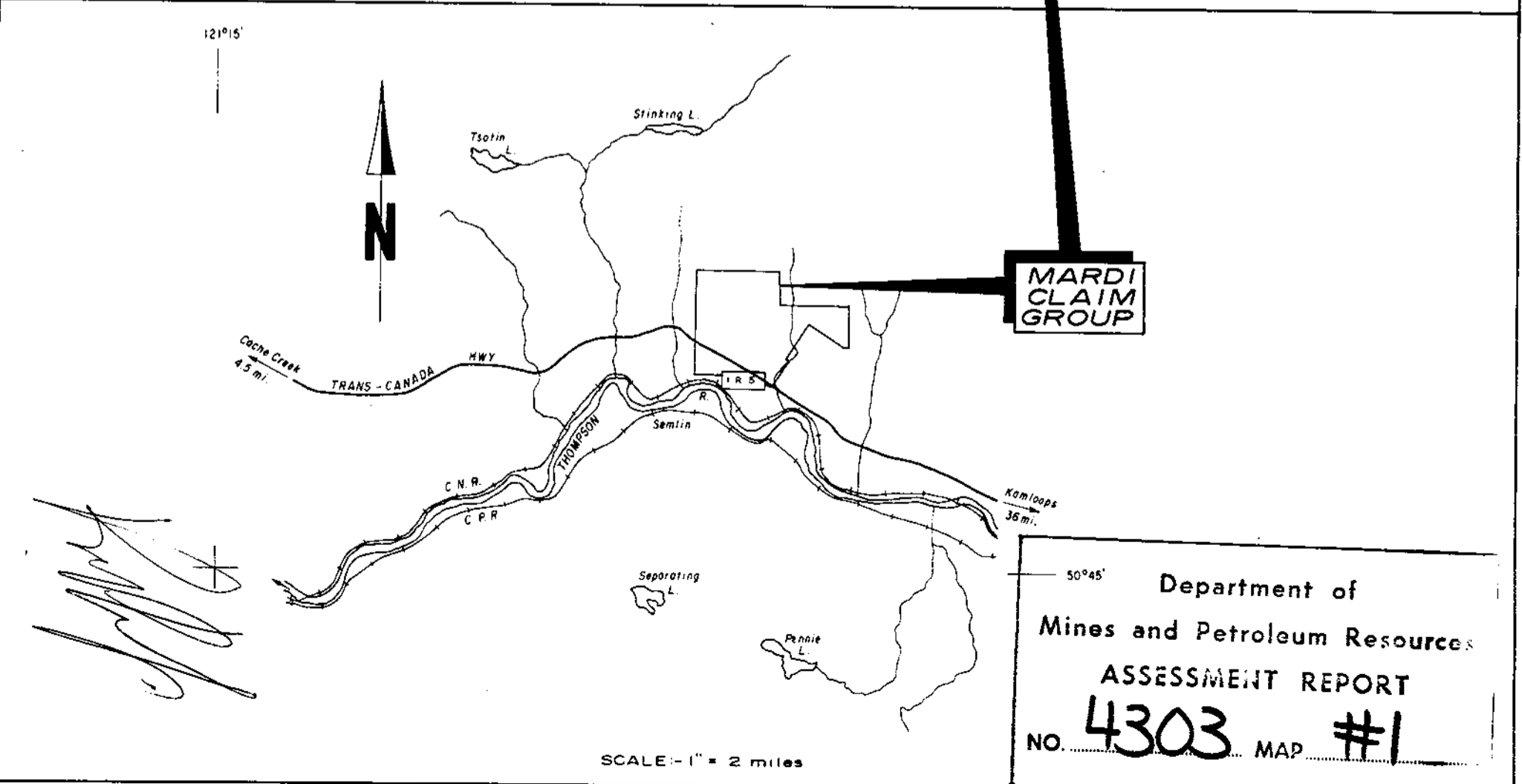
ACHERON MINES LTD. (NPL)
 CREAM SILVER MINES LTD. (NPL) OPTION
 MARDI CLAIMS

KAMLOOPS MINING DIVISION

PROPERTY LOCATION MAP

SCALE IN MILES
 0 50 100 150 200

APRIL, 1973



[Handwritten signature]

MARDI CLAIM GROUP

50°45'

Department of
 Mines and Petroleum Resources

ASSESSMENT REPORT
 No. **4303** MAP #1

SCALE: 1" = 2 miles

60W 56W 52W 48W 44W 40W 36W 32W 28W 24W 20W 16W 12W 8W 4W



32 N
28 N
24 N
20 N
16 N
12 N
8 N
4 N
0
4 S
8 S
12 S
16 S
20 S
24 S
28 S
32 S
36 S
40 S
44 S

BL. 0 4E 8E 12E 16E 20E 24E 28E 32E 36E 40E 44E



MALACHITE GROUP
4303 M2

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 4303 #2

LEGEND

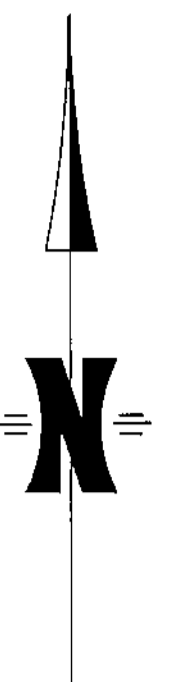
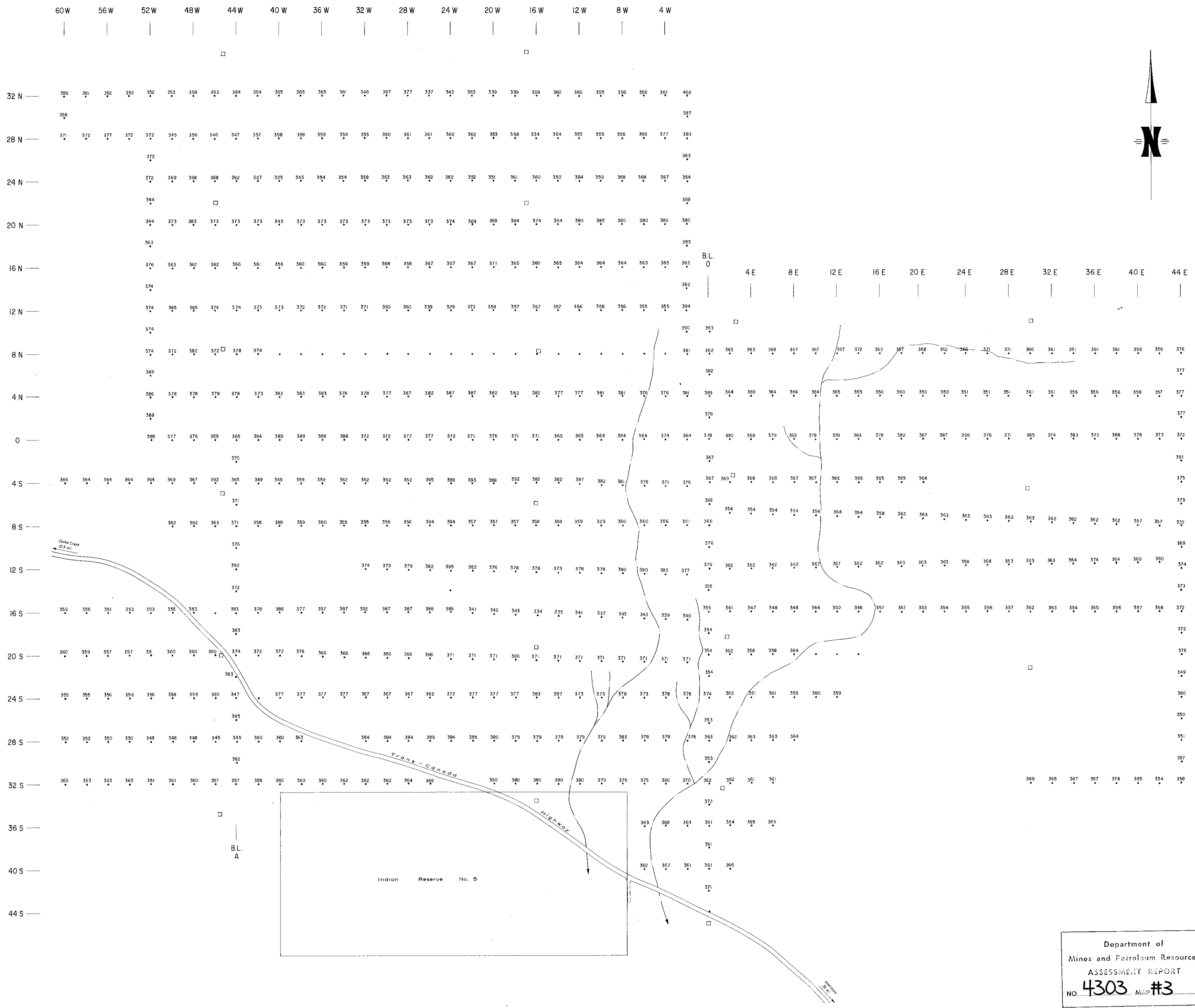
- Creek
- Claim post

ACHERON MINES LTD. (NPL)
CREAM SILVER MINES LTD. (NPL) OPT.
MARDI CLAIM GROUP
KAMLOOPS MINING DIVISION

CLAIM MAP

SCALE IN FEET
400 0 400 800 1200

AGILIS EXPLORATION SERVICES LTD. APRIL, 1973



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 4303 MAP #3

LEGEND
 Creek
 Claim post

ACHERON MINES LTD. (NPL)
CREAM SILVER MINES LTD. (NPL) OPT.
MARDI CLAIM GROUP
KAMLOOPS MINING DIVISION
MAGNETOMETER SURVEY
Values in Gammas
SCALE IN FEET
400 0 400 800 1200
AGILIS EXPLORATION SERVICES LTD. APRIL, 1973