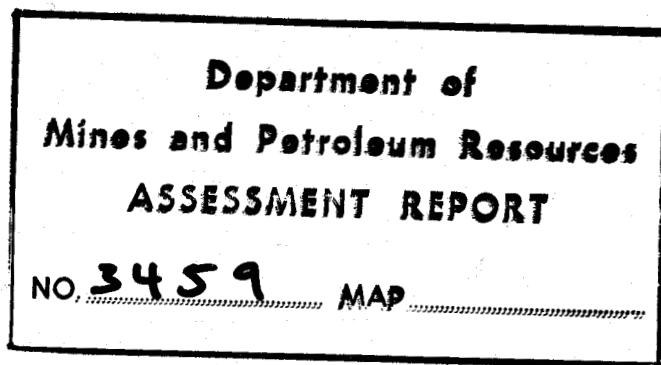


3459

GEOPHYSICAL REPORT 7
J. T. 1 Fr., R. M. 1, 2 Fr., R. M. 1-6, R. M. 25-27
Mineral Claims
50°33'N-120°53'W, Approximately 21 miles south
of Savona, B. C.
for
ALWIN MINING COMPANY LTD. (N. P. L.)
by W. S. Read, B.Sc., P. Eng.
860 Younette Drive, West Vancouver, B. C.
between October 21, 1971 and January 14, 1972



WAYLAND S. READ, B.SC., P.ENG.

AREA CODE 604—TELEPHONE 922-1347

Consulting Geologist

860 YOUNETTE DRIVE, WEST VANCOUVER, B.C., CANADA

January 14, 1972

The Board of Directors,
Alwin Mining Company Ltd. (N. P. L.),
807 - 409 Granville Street,
Vancouver 2, B. C.

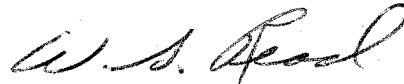
Gentlemen:

At your request I have completed a ground magnetometer
survey over your Guichon Creek claims.

I feel that this, in addition to assessment work, adds
significant data to aid in further exploration of the property.

The report with the map and conclusions is herewith
attached.

Yours very truly,



W. S. Read, P. Eng.

**REPORT ON
MAGNETOMETER SURVEY**

on

GUICHON CREEK CLAIMS

**50°33' N - 120°53' W
Approximately 21 miles south of Savona, B. C.
J. T. 1 Fr., R. M. 1 and 2 Fr., R. M. 1-6, R. M. 25-27
Mineral Claims**

of

ALWIN MINING COMPANY LTD. (N. P. L.)

in the

KAMLOOPS MINING DIVISION

**province of
British Columbia
Canada**

by

**W. S. Read, B.Sc., P. Eng.,
860 Younette Drive,
West Vancouver, B. C.**

January 14, 1972

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X1 MAP 1 - Magnetometer Survey (with Index Map)

Scale 1 inch = 300 feet.

LOCATION AND ACCESSIBILITY:

The Guichon Creek property of Alwin Mining Company Ltd. (N. P. L.) is situated at $50^{\circ} 33'$ North latitude and $120^{\circ} 53'$ West longitude, about 21 miles south of Savona, B. C. and 4 miles south of Lake Tunkwa, B. C., at about 3,500 to 3,900 feet elevation.

The property is about one-half mile west of the Savona-Merritt road. The 1.6 mile access road junction is located 1.9 miles north of the junction of the Savona-Merritt road with the Highland Valley road to Ashcroft. The road to the campsite area is easily accessible by 2-wheel drive truck. Beyond this, the roads through the claims group would be suitable for 4-wheel drive or dune buggy after some clearing.

The west baseline and crosslines were reasonably well cut, but in need of remarking the chainage points. Most of the baseline stations were remarked during the course of the survey.

The east baseline was less distinct and the crosslines were more difficult to follow.

The claims are located on rolling wooded country with a few rock bluffs on the west of the property. Drainage is usually slow with some swamps, beaver ponds and small lakes.

CLAIMS HELD BY THE COMPANY:

The Company reports that they hold the following 12 mineral claims:

<u>Claim Name and Number</u>	<u>Record Number</u>	<u>Anniversary Date</u>
R. M. 1 and 2 Fraction	67757-58	January 15
J. T. 1 Fraction	75792	January 27
R. M. 1 - 6	67744-49	January 15
R. M. 25 - 27	68347-49	February 27

The southern boundary of the property has been cut out and surveyed.

MAGNETOMETER SURVEY:

Type of Magnetometer

A Sharpe fluxgate magnetometer Model MF-1, serial number 803331, was used for this survey. This is a hand-held instrument requiring only coarse levelling and is not significantly affected by orientation.

The magnetometer measures the vertical component of the earth's magnetic field to 5 gammas on the lowest scale range. The full scale ranges vary progressively from a minimum of plus or minus 1,000 gammas to a maximum of plus or minus 100,000 gammas. The values can be read directly from the scale.

Temperature compensations have been built into the instrument and the only necessary correction to the readings is for the diurnal variation. The variation in each survey loop is assumed to be linear and is determined by subtracting the initial and final readings at any control point. The correction added to each reading in the loop is the product of the total diurnal variation of the loop and the ratio of time elapsed up to the time of reading, over the total time elapsed for the loop.

Field Procedure

The instrument was set or zeroed for the area and station 15 + 00 N on the west baseline was given a value of 1,000 gammas.

15 + 00 N was selected after finding that the southern end of the baseline was too erratic for the control station. The baseline was surveyed, corrections in the readings made for diurnal variation, and the stations at the junction of the crosslines with the baseline were used as control points for each survey loop. A loop was made to correlate the east baseline with the west baseline.

Readings were taken every 50 feet on baselines and crosslines. Pacing was used to locate chainage points with deteriorated markings and the intermediate points between the pickets. Diurnal variation was low and corrections were treated linearly in respect to elapsed time.

Results:

The corrected readings were plotted on a base map to a scale of 1 inch = 300 feet. Readings were plotted as gammas relative to 15 + 00 N on the west baseline. The readings varied from a high of 3745 to a low of minus 120 gammas. The corrected readings were hand contoured at intervals of 0, 500, 1000, 1500, 2000, 2500, 3000 and 3500 gammas.

The southwestern two-thirds of the survey area showed more magnetic variation than the rest. This northwest trending zone is interpreted as being the contact area between the Guichen Batholith to the west and volcanics to the east. The embayments along this zone

are interpreted as being caused by northeast trending faults. The increased magnetic intensity to the west is at least in part caused by an increase in magnetic minerals in the igneous body. The magnetic lows may be of significance and this magnetic data should be checked closely against geochemical data taken on the same lines.

In key areas 200 foot line spacing would aid in detailing the anomalies.

The writer has to date not seen the results of the diamond drilling.

CONCLUSIONS AND RECOMMENDATIONS:

This magnetometer survey has detailed the most interesting areas on the claims and added to the more general data available from a previous air survey. This data can be directly superimposed on the geochemical data. There is a direct relation between the magnetic data and the geochemical anomalies.

It is recommended that the claims be geologically mapped and the data from this magnetometer survey and the geochemical survey be used and correlated during the mapping. It would be practical to do the extra line detail at the same time with additional follow-up directed by the results.

PERSONNEL

Wayland S. Read, P. Eng., Mining and Geological Consultant,
860 Younette Drive,
West Vancouver, B.C.

F. L. Schram, Assistant and Instrument Operator,
Nanaimo, B.C.

CERTIFICATE OF QUALIFICATIONS

I, Wayland Stuart Read of 860 Younette Drive, West Vancouver,

B. C., do hereby certify that:

1. I am a practising mining geologist and my address is 860 Younette Drive, West Vancouver, B. C.
2. I am a graduate in geology from Acadia University, Wolfville, Nova Scotia, and have been granted the degree of Bachelor of Science in Geology and have engaged in practising my profession for the past twelve years.
3. I am a member of the Association of Professional Engineers of British Columbia and the Yukon Territory, a Fellow of the Geological Association of Canada and a Member of the Canadian Institute of Mining and Metallurgy.
4. This report is based on my personal work on the property between October 21-23, 1971 and Mr. F. L. Schram, my assistant and instrument operator, between October 21-28, 1971. The compilation of data and preparation of report was done by the writer between October 29, 1971 and January 14, 1972.

Respectfully submitted,



Wayland S. Read, B. Sc., P. Eng.
Consulting Geologist

860 Younette Drive,
West Vancouver, B. C.

January 14, 1972

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

In the Matter of Geophysical Survey

I, W. S. Read, P.Eng.,

of Wayland S. Read Limited, Geological Consultant,
860 Younette Drive, West Vancouver, B.C.

in the Province of British Columbia, do solemnly declare that the following supervision
and work was done:

Magnetometer Survey re report dated January 14, 1972.

Costs:

Vehicle rental	\$247.66	
Meals & expenses	124.76	
Magnetometer rental	105.00	
Chain saw rental	<u>35.00</u>	\$512.42

Personnel:

F.L. Schram, Assistant, Instrument man		
October 21-28. 8 days @ \$35	280.00	
W. S. Read, P.Eng. October 21 - 23	300.00	
Office: October 24 - January 14, 1972		
Interpretation and report.	<u>307.58</u>	<u>887.58</u>
		\$1,400.00

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
of _____, in the
Province of British Columbia, this
day of _____, A.D.

[Signature]
Sub - Mining Recorder

A Commissioner for taking Affidavits for British Columbia or
A Notary Public in and for the Province of British Columbia.

In the Matter of

.....

.....

.....

.....

Statutory Declaration
(CANADA EVIDENCE ACT)

* * * * *

28,000 N

27,000 N

26,000 N

25,000 N

24,000 N

23,000 N

22,000 N

21,000 N

17,000 E

12,000 E

13,000 E

14,000 E

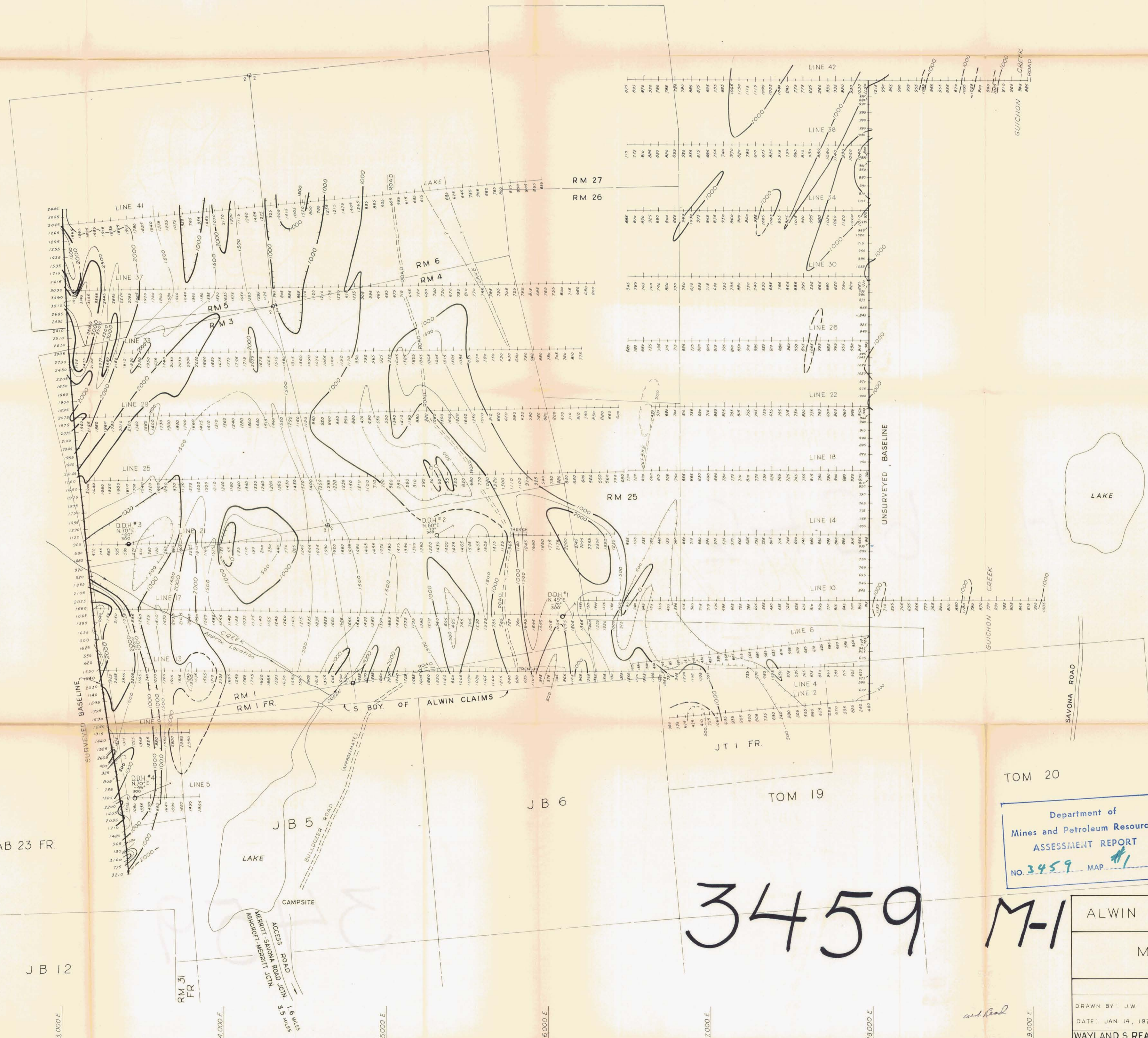
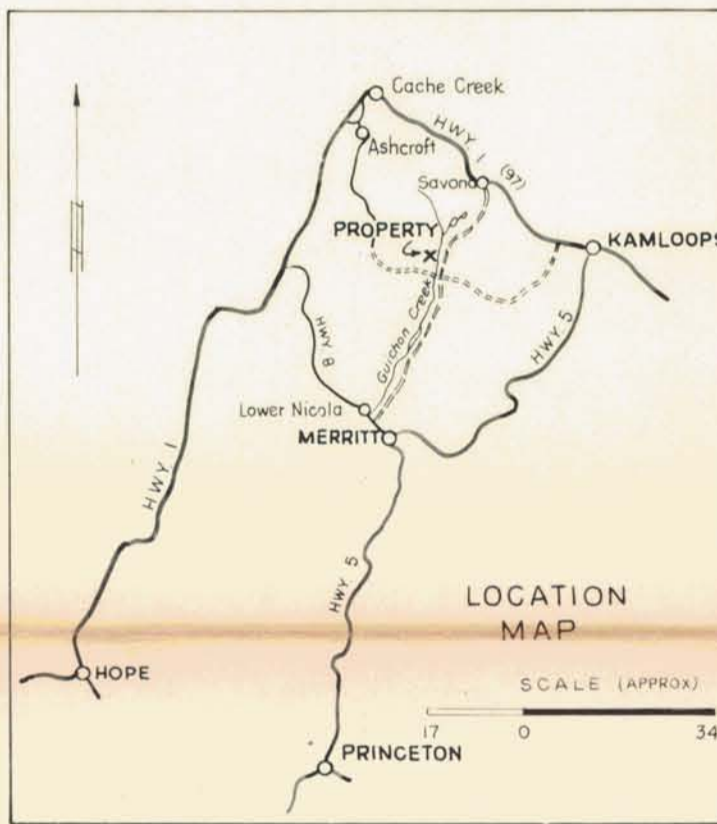
15,000 E

16,000 E

17,000 E

18,000 E

19,000 E



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO 3459 MAP #1

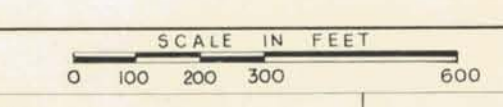
LEGEND
Magnetometer Readings in Gamma
Instrument - Sharp MFI # 803351
Contour Interval - 500 Gamma
Claim, Grid and Drill Location as supplied
by Company
Magnetic Depression

To Accompany Geophysical Report by W.S. Read
Dated January 14, 1972

3459 M-1

ALWIN MINING COMPANY LTD. (N.P.L.)
(50° 33' N - 120° 53' W)

GUICHON PROPERTY
MAGNETOMETER SURVEY



DRAWN BY: J.W. REVISIONS: _____
DATE: JAN 14, 1972
WAYLAND S. READ, P.Eng., Consulting Geologist, West Vancouver, B.C.

No. 1