

1787

GEOCHEMICAL REPORT

on

THE "R.M." and "DAB" CLAIM GROUPS

HIGHLAND VALLEY AREA, B.C. 50° 120° N.W.

ALWIN MINING COMPANY LTD.

Vancouver, B.C.
January 10th, 1969.

J.J. Crowhurst, P.Eng.

The DAB Mineral Claim Group consists of the following mineral claims and fractions:

<u>Name</u>	<u>Record No.</u>
DAB 2	54140
DAB 3 Fr	54141
DAB 4-10	54142-48
DAB 11-16	54158-63
DAB 17 Fr	54149
DAB 18-19	54150-51
DAB 20 Fr	54152
DAB 21 Fr	54153
DAB 25 Fr	54317
H.J. 13	53367
H.J. 14	53348
H.J. 15-20	53369-74
H.J. 21	54156
R.M. 14 Fr	67760
R.M. 16	67762
R.M. 18	67764
R.M. 20	67766

The R.M. Mineral Claim Group consists of the following mineral claims and fractions:

<u>Name</u>	<u>Record No.</u>
R.M. 1-12	6774-55
R.M. 13 Fr	67759
R.M. 1 Fr	67757
R.M. 2 Fr	67758
R.M. 15	67761
R.M. 17	67763
R.M. 19	67765
R.M. 21	67767
R.M. 22	67768
R.M. 23-30	68345-52
DAB 22 Fr	54154
DAB 23 Fr	54155

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MAPS

(in envelope at back of report)

INTRODUCTION

This report concerns two contiguous claim groups in the eastern part of the Highland Valley area, Kamloops Mining Division. They are 5 miles due south of Tunkwa Lake.

The "R.M." group consists of 30 claims and fractional claims; the "DAB" group consists of 34 claims and fractional claims.

The claims straddle the northwesterly trending contact between rocks of the Guichon batholith on the west and younger, extrusive rocks of the Kamloops group on the east.

During December, 1967, an aeromagnetic survey was conducted over the property, using a Sharpe NFM-1 total intensity nuclear precession magnetometer towed on a cable by a helicopter. This outlined the Guichon-volcanic contact and appeared to indicate the presence of three northeast-southwest faults. A geochemical survey was recommended by the geophysicist, Richard O. Crosby, B.Sc., P.Eng., of Seigel Associates Limited. This was "to check the possibility of copper mineralization in the vicinity of the interpreted faults."

The writer concurred in this recommendation and, thus, a geochemical survey was undertaken in late 1968.

SURVEY METHOD

In the central claim area four north-south base lines were established and cross-lines were marked at 400 foot intervals. These lines were cut and chained and their direction determined by Brunton compass. Frequent checks were run between adjacent lines to see that the correct interval was being maintained. The positions

of claim posts, claim lines, creeks, etc., were noted during the course of this work.

In the southern part of the property the cross-lines are up to 1400 feet apart and, in the northwestern corner, some irregular linecutting has been done.

The linecutting on the "R.M." and "DAB" claim groups involved 75,600 lineal feet (14.3 miles); 780 soil samples were taken and 763 analytical results are shown on the accompanying maps.

An additional 11,200 lineal feet (2.1 miles), involving an extra 131 samples, were taken at the same time on the "H.J. #1 Fr." and "H.J. #2 Fr." and are shown on the maps. The cost of this latter work, it will be noted, has not been included in the financial statement in this report.

The soil sampling was done by use of a special 2-1/2" hand auger supplied by Apex Equipment Co. (B.C.) Ltd. Samples were taken as shown on the accompanying maps, at 100 ft. intervals along the base lines and cross lines. They were placed in Caneco high wet strength kraft 3-1/2" x 6-1/8" envelopes and shipped to Technical Service Laboratories in Vancouver for analysis.

DISCUSSION OF THE RESULTS

One zone of possible significance has been partially outlined by the soil survey and it is reproduced in Figure 2. It traverses parts of mineral claims R.M. #25, R.M. #13 Fr., H.J. #1 Fr. and H.J. #2 Fr. in a northwesterly direction.

The zone, as indicated, may be as much as 150 feet wide extending for at least 1100 feet. It is "open" to the northwest and there are isolated "highs" to the southeast, beyond a swampy area where no samples were obtained.

"Highs" are soil samples containing more than 100 ppm copper. The "norm" or "background" is 30 ppm.

The results of the geochemical work were not received until after a good deal of snow covered the entire claim group. It has not been possible, therefore, to check out the "anomaly" on the ground. This is warranted and it may be necessary to use a bulldozer because much of the anomalous area is undoubtedly covered by overburden.

FINANCIAL STATEMENT

Analytical work - 763 samples	\$763.00
Camp supplies, food, for crew	875.00
Rental four wheel drive vehicle - 2 mos. @ \$475/mo.	950.00
<u>Personnel</u>	
J.J. Crowhurst, P.Eng. - Surveying of base lines, supervision of work - 11 days equiv.	1100.00
J. Berkosha - field assistant - Oct. 15 - Dec. 15 - 2 mos. @ \$815/mo. incl. fringes	1630.00
A. Retvedt - field assistant - Oct. 15 - Dec. 15 - 2 mos. @ \$700/mo. incl. fringes	1400.00
A. Wells - field assistant - Nov. 3 - Nov. 22 - 1/2 month @ \$700/mo. incl. fringes	350.00
G. Delane, B.Sc. - Compilation of maps, plotting of results, etc. - 4 days equiv. @ \$50/day	<u>200.00</u>
<u>Total</u>	<u>\$7,268.00</u>

Declared before me at the *City*
of *Vancouver*, in the
Province of British Columbia, this *15th*
day of *January*, 1969, A.D.

J. Paul Sub-mining Recorder

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

J.J. Crowhurst

J.J. Crowhurst, B.A.Sc., P.Eng.

Vancouver, B.C.
January 10th, 1969.

BACON AND CROWHURST
CONSULTING ENGINEERS

March 21st, 1969.

Mr. Frank J. Sell,
Mining Recorder,
Court House,
Kamloops, B.C.



Dear Mr. Sell:

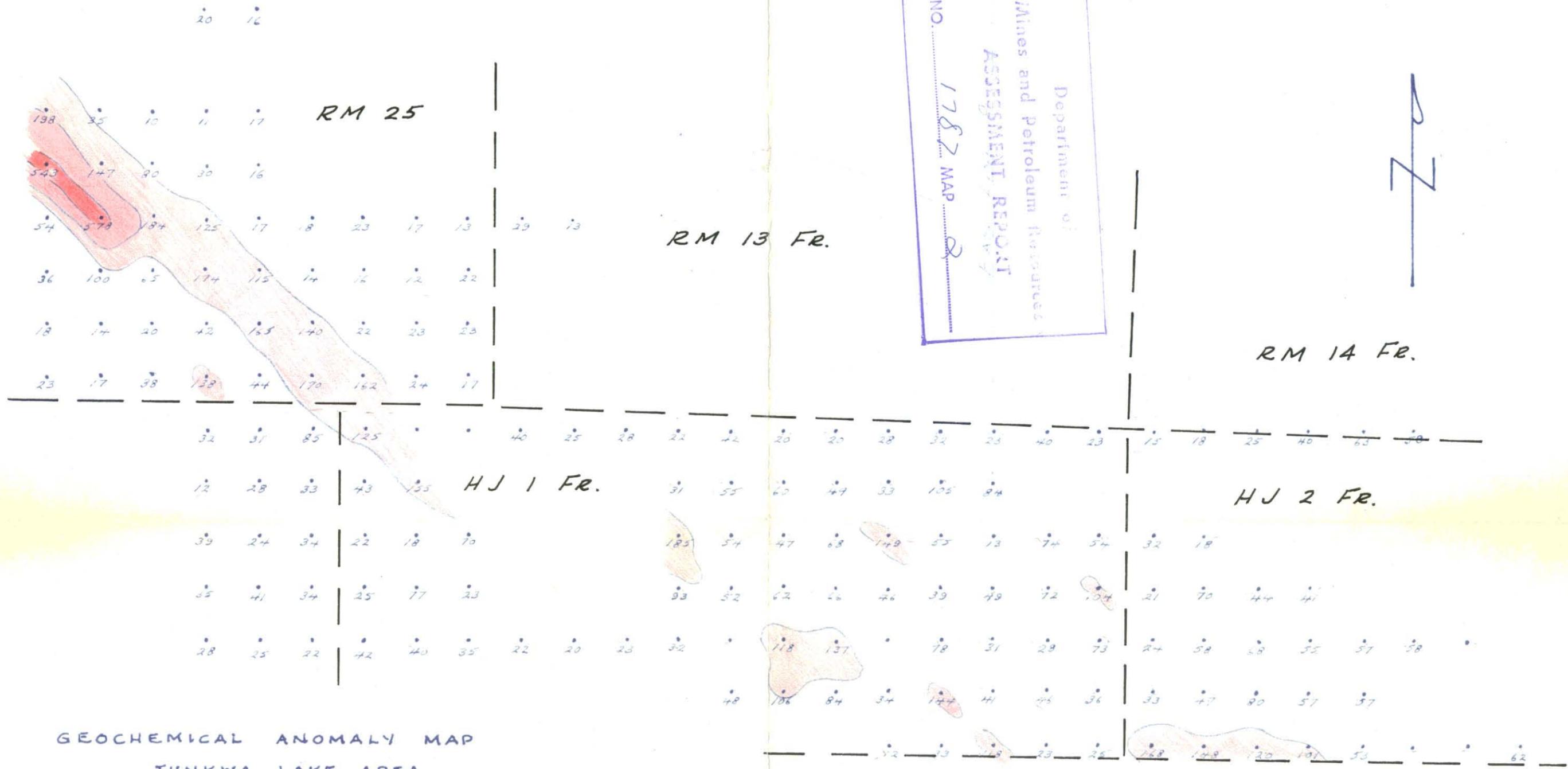
Re: Dab, H.J. and R.M. Claims
Geochemical Report

In answer to yours of March 11th, the samples were taken at depth from 8" to 16". The material was a greyish-white clay that was presumed to be part of the "A" horizon.

Yours very truly,

J.J. Crowhurst
J.J. Crowhurst *J.C.*

JJC/ic



Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 1787 MAP



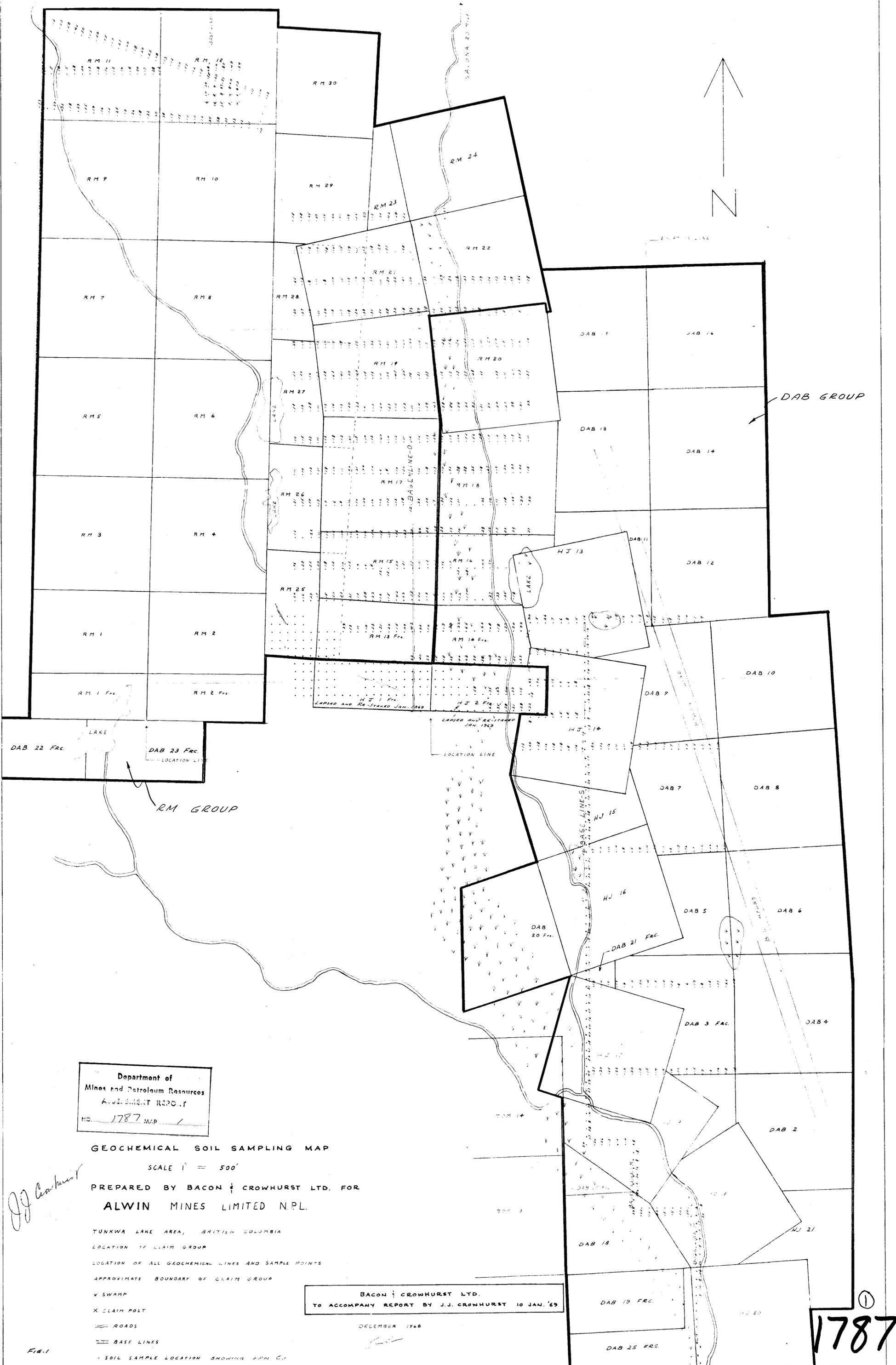
GEOCHEMICAL ANOMALY MAP
 TUNKWA LAKE AREA
 KAMLOOPS MINING DIVISION, B.C.
 SCALE: 1" = 200'
 PREPARED BY BACON & CROWHURST LTD.
 FOR
 ALWIN MINES LTD.

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J.J. Crowhurst

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 JAN. 10, 1969.

FIG. 2



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GEOCHEMICAL SOIL SAMPLING MAP

SCALE 1" = 500'

PREPARED BY BACON & CROWHURST LTD. FOR
ALWIN MINES LIMITED N.P.L.

TUNKWA LAKE AREA, BRITISH COLUMBIA

LOCATION OF CLAIM GROUP

LOCATION OF ALL GEOCHEMICAL LINES AND SAMPLE POINTS

APPROXIMATE BOUNDARY OF CLAIM GROUP

v SWAMP

x CLAIM POST

ROADS

BASE LINES

SOIL SAMPLE LOCATION SHOWING APR. 69

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TO ACCOMPANY REPORT BY J.J. CROWHURST 10 JAN. '69

DECEMBER 1968

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