

1910

3

Geochemical Report
DOTE GROUP
Dote 1-8, 11-18 Mineral Claims
49°, 120° NW
Adjoining Aspen Grove, B. C.
for *92H/15E*
DAWOOD MINES LIMITED
between April 13 - May 19, 1969
W.S. Read, B.Sc., P. Eng.
June 26, 1969

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

AREA CODE 604—TELEPHONE 922-1347

Consulting Geologist

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

June 26, 1969

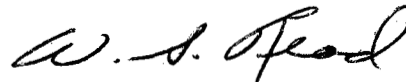
The Board of Directors,
Dawood Mines Limited,
#410, 355 Burrard Street,
Vancouver 1, B. C.

Gentlemen:

At your request I have had preliminary work done on part of your Dote claims group at Aspen Grove, B. C., including line cutting, related surveying and a geochemical survey.

In addition, claim posts and some shafts were located in respect to the lines for your added information.

Yours very truly,



W. S. Read, P. Eng.

GEOCHEMICAL REPORT

DOTE GROUP

Dote 1-8, 11-18 Mineral Claims

49° 120° NW

Adjoining Aspen Grove, B. C.

in the

NICOLA MINING DIVISION

Province of

British Columbia, Canada

for

DAWOOD MINES LIMITED

by

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

June 26, 1969

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MAP #2

Scale 1 inch = 200 feet

Department of	
Mines and Petroleum Resources	
ASSESSMENT REPORT	
NO. <u>1910</u>	MAP.....

PURPOSE:

The purpose of the program was to provide grid control over part of the claims group, locate claim corners in respect to the grid and conduct a geochemical survey over the area covered to be used as a guide for further work and to cover assessment work required for the claims block.

LOCATION AND ACCESS:

The Dote Group of 35 recorded mineral claims is located in the Nicola Mining Division, British Columbia, Canada, on map sheet 92H/15E of the National Topographic System with approximate coordinates of $49^{\circ} 56' N$, $120^{\circ} 37' W$. The approximate elevation of the claims group is between 3,500 feet and 4,200 feet above sea level.

The claims group is split by B.C. Highway #5 at Aspen Grove, B.C., with the work from this program being confined to the area east of the highway. The property is about 16 miles south of Merritt.

Additional dirt roads traverse the property giving further access.

CLAIMS HELD BY COMPANY:

The company has advised that they hold the 35 claims listed hereunder. The transfer of the claims to the company has not been checked, as it is believed that the company has retained counsel to ensure itself of proper title to the ground. The claim corners visited seem to be reasonably well staked.

<u>Claim Name and Number</u>	<u>Record No.</u>	<u>Tag No.</u>	<u>Record Date</u>
Dote 1	30213	654559	May 13, 1966
Dote 2	30214	654560	" "
Dote 3	30215	654561	" "
Dote 4	30216	654562	" "
Dote 5	30217	654567	" "
Dote 6	30218	654568	" "
Dote 7	30219	654569	" "
Dote 8	30220	654570	" "
Dote 11	30225	654573	May 16, 1966
Dote 12	30226	675833	" "
Dote 13	30227	675834	" "
Dote 14	30228	675835	" "
Dote 15	30229	675836	" "
Dote 16	30230	675837	" "
Dote 17	30231	675838	" "
Dote 18	30232	675839	" "
Dote 19	30579	689553	May 30, 1966
Dote 20	30580	689554	" "
Dote 21	30581	689555	" "
Dote 22	30582	689556	" "
Dote 23	30583	689557	" "
Dote 24	30584	689558	" "
Dote 25	30585	689559	" "
Dote 26	30586	689560	" "
Dote 27	30587	689561	" "
Dote 28	30588	689562	" "
Dote 29	30589	689563	" "
Dote 30	30590	689564	" "

<u>Claim Name and Number</u>	<u>Record No.</u>	<u>Tag No.</u>	<u>Record Date</u>
Dote 31	30591	689565	May 30, 1966
Dote 32	30592	689566	" "
Dote 33	30593	689567	" "
Dote 34	36904	689595	May 27, 1968
Dote 35	36905	689596	" "
Dote 36	36906	689597	" "
Dote 37	36907	689598	" "

HISTORY:

Recent work on the part of the property covered by this survey appears to have been confined to bulldozer stripping and road building. Several old trenches and shafts were located in the course of the work and plotted on the map in relation to the lines.

GEOLOGY:

Geological mapping and prospecting have not been completed under this program.

The Geological Survey of Canada, in Memoir 243 by H. M. A. Rice, shows the area covered by this survey to be underlain by Upper Triassic rocks of the Nicola Group composed of varicoloured lava; argillite, tuff, limestone, chlorite and sericite schist. Major faulting

is in a northerly direction with rocks of the Nicola Group and older formations folded into tight, north to northeast-trending anticlines and synclines.

LINE CUTTING:

A transit baseline was started 400 feet north of the number two posts for the Dote 3 and 4 claims and number one posts for the Dote 5 and 6 claims. It was started at a compass bearing of due south (true) and extended for 4,800 feet by transit. Picket cross-lines were turned off at 400 foot intervals and driven a total of 11.3 miles as shown on the accompanying map. The lines have stations marked every hundred feet with slope corrections made between stations, so that all distances mentioned are horizontal measure. In two instances, the lines were noted to vary from the true course. The deviation was noted with compass bearings and plotted.

Total lengths:

Baseline	0.91 mile
Picket Crosslines	<u>11.30 miles</u>
Total	12.21 miles

GEOCHEMICAL SURVEY:

Soil samples were taken along the crosslines at 100 foot intervals. A mattock was used for digging the sample hole. When possible, the upper part of the "B" soil horizon was sampled.

The samples were collected in brown Kraft soil sample bags arranged in line order and forwarded directly to the assayers, Warnock Hersey International Limited, Vancouver, as soon as each shipment lot was collected. The samples were assayed for copper using hot nitric acid extraction and metal determination by the Atomic Absorption process.

The assay results were plotted on the base plan at a scale of 1 inch = 200 feet, colour coded and contoured within ranges as shown on the map.

DISCUSSION OF RESULTS:

The following concentration ranges for copper were selected after inspection and analysis of the data.

<u>Range</u>	<u>Cu - p. p. m.</u>
Background	0 - 10
Threshold	11 - 20
Anomalous	21 - 30
	+ 31

The mean average of all samples was 11.4 parts per million of copper.

In general, the assay results were low and within a range often found in rocks. However, background was very low and anomalous zones of a magnitude of several times background were apparent. These were contoured as shown on the map. They show definite trends in a north to northeast direction, which in some cases appear to intersect. Due to changes in topography and drainage, some ion migration is expected. This should be taken into account when exploring for the source of the anomalies.

One of the strongest anomalous zones is where Dote 1 and Dote 3 claims join. An old shaft and copper mineralization were

noted in this area by the sample crew.

Copper mineralization was noted on the Dote 4 and 6 claims and was picked up by the soil sampling.

Malachite staining was noted below and west of the shaft on line 28+00S and copper molybdenite mineralization was noted below and west of the shaft on line 28+00S and copper molybdenite mineralization was noted in stripping at the end of the road south of line 24 + 00S, 13 + 00 W.

The map is an integral part of this report.

CONCLUSIONS AND RECOMMENDATIONS:

Soil sampling for copper has outlined several anomalies which appear to be quite regular in a north and northeast direction; some of which appear to intersect. Although the assays are low, the background is very low, and the anomalous zones, where observed, have been noted to be associated with copper mineralization and it is concluded that the survey should be a useful aid in the exploration for areas of highest copper concentration and it is recommended that this following work be carried out.

PERSONAL:

Contract field work between April 13 - May 19, 1969.

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

Marvin W. Crist - Party Chief - Graduate - Mining Technology
B. C. I. T., employed two years Wayland S.
Read Limited in various mining and exploration
projects.
Box 1160,
Revelstoke, B. C.

David P. M. Hadoto - Party Chief - U. B. C. Faculty of Science,
majoring Geology - entering final year.
Previous 3 summers experience with Dr.
Sinclair, U. B. C. Geology project, Homestake
Mining Co., Wayland S. Read Limited,
4424 West 12th Avenue,
Vancouver 8, B. C.

Lary Sostad, Field Assistant, Part course mining technology,
plus several years practical field experience.
#818, 510 West Hastings Street,
Vancouver 2, B. C.

Dale W. Vieweger, Line Contractor,
1387 E. 20th Street,
North Vancouver, B. C.

Gordon A. Keller, Line Contractor,
472 E. 1st Street,
North Vancouver, B. C.

Andrew K. Mitchell, Line Contractor,
472 E. 1st Street,
North Vancouver, B. C.

BIBLIOGRAPHY:

Hawkes, H. E., and Webb, J. S., *Geochemistry In Mineral Exploration*, Harper & Row, Publishers Inc., New York.

Rice, H. M. A., *Geology and Mineral Deposits Of The Princeton Map-Area, British Columbia*, Memoir 243 G. S. C. 1947.

DOMINION OF CANADA:
PROVINCE OF BRITISH COLUMBIA.

To Wit:

In the Matter of Geoghemical Surveys,
line cutting and surveying, DOTE Group,
Dote 1 - 8, 11 - 18, etc.

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:

- Transit Baseline - Direction N - S, Total length 0.91 miles
- Cutting, surveying and chaining 11.3 miles of picket crosslines.
- Geoghemical survey over 11.3 miles.

Costs:

- Transportation costs	326.06	
- Equipment writeoff	85.00	
- Accommodation, food & supplies	390.31	
- Transits and chains	50.00	
- Engineering supplies - allow	85.00	936.37

Personnel:

D. Vieweger, Line Contractor, Apr. 15-30.	1000.00	
A.K. Mitchell Line crew, Apr. 18, 19, 22 - 26, 1969		
G.R. Keller, Line Crew, Apr. 22-29, 1969		
M.W. Crist, Party Chief, April 14, 17-22	238.63	
L. Sostad, Asst. Apr. 16-22, May 6-18	612.50	
D. Hadoto, Party Chief, May 5-2	511.38	
A. Mitchell April 20, 21.	60.00	
W.S. Read, 3 days Apr., 2 days May, 6 days June	1100.00	
Draughting	75.06	3597.57
		4533.94
Partial Overhead		56.56
		\$4590.50

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 *21*
day of *June* *1969*, A.D.

W. S. Read

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

★0

Sub-mining Recorder

In the Matter of

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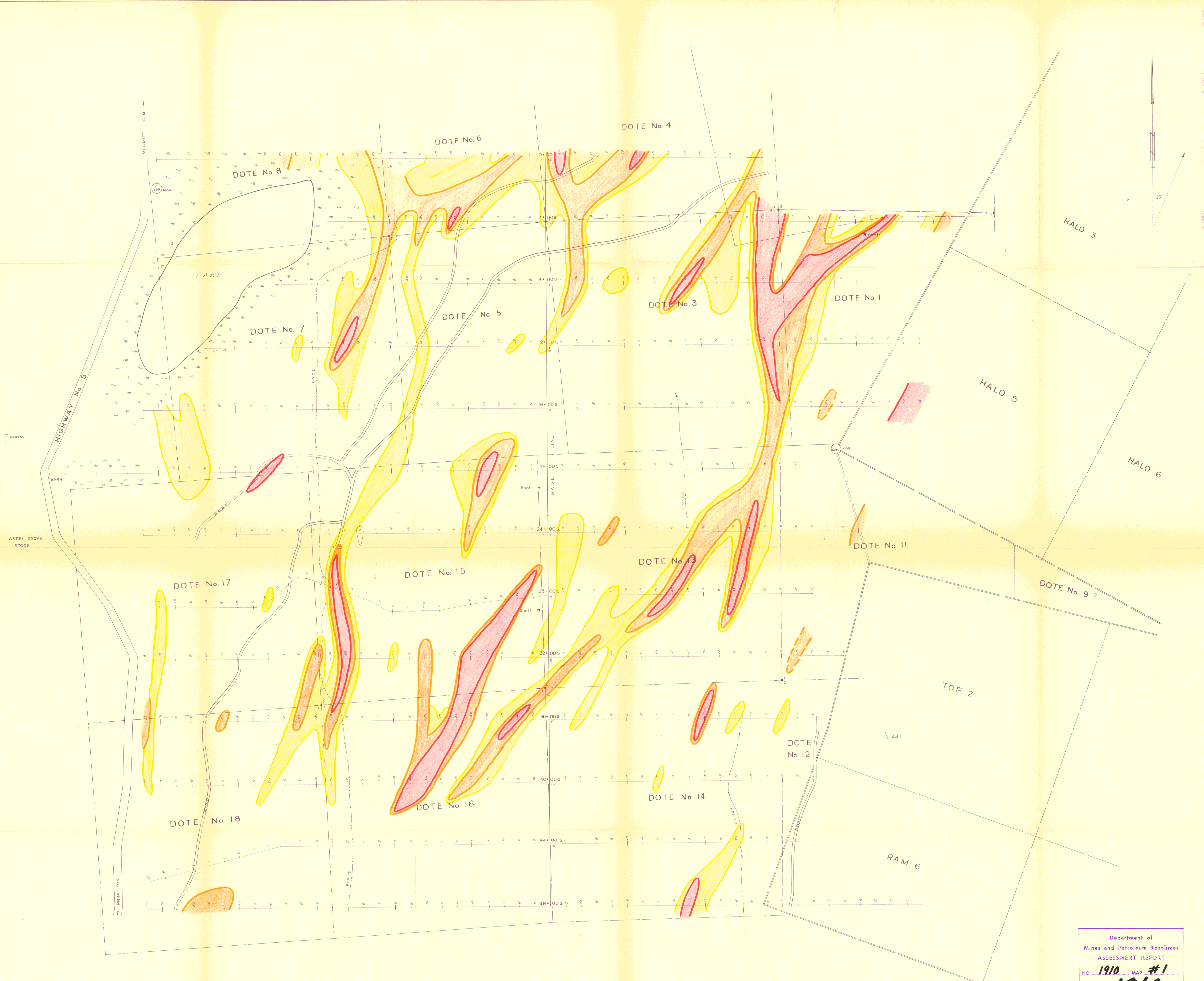
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Statutory Declaration
(CANADA EVIDENCE ACT)

11/11/11



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 1910 MAP #1

1910

Copper by HOT HNO_3 ACID EXTRACTION
METALS DETERMINED BY
ATOMIC ABSORPTION

Copper (in parts per million)
● > 31 P.P.M.
● 21 - 30 P.P.M.
● 11 - 20 P.P.M.

Field data by: M. Crist, D. Hadato, L. Sostad, W.S. Read
 Field work: April 13 - May 19, 1969

All data located in relation to base line and cross lines
*to accuracy
 equal to
 a.s. field*

DAWOOD MINES LIMITED

DOT E CLAIMS GROUP (49° 56' N 120° 37' W.)
 ASPEN GROVE, B.C.
 GEOCHEMICAL SURVEY

0 100 200 400 600 FEET

DRAWN: D.H., J.W. REVISED: _____
 DATE: JUNE 26, 1969

WAYLAND S. READ P. Eng., Consulting Geologist, West Vancouver, B.C.