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CANADATELEPHONE  
922-1536

13 June 1972

Geo-Dyne Resources Ltd. (N.P.L.)  
850 West Hastings Street  
Vancouver 1, B.C.

Gentlemen:

Re: Denise Mineral Claims  
Lorne Lake, Princeton  
Similkameen Mining Division  
British Columbia

I am pleased to submit for your information this status report on the Denise 1-21 Mineral Claim Group, located southwesterly and abutting Lorne Lake, Princeton Area, Similkameen Mining Division, British Columbia. The claims area was visited on 11 June 1972. This report embodies the results of my examination and the subsequent review of the available data relating thereto.

The reference data includes the 1970 B. C. Department of Mines and Petroleum Resources, Geology, Exploration and Mining in British Columbia; Geology and Mineral Deposits of the Princeton Map-Area, British Columbia by H.M.A. Rice, Memoir 243, 1960, Geological Survey of Canada. There are additional references available but these were not accessible to the writer at the time of this report, including the assessment report by Copper Range Exploration Company.

1.0 Location: The claims area is situated about six miles, airmiles, southeasterly from Princeton at the southwesterly end of Lorne Lake. They are accessible by Pick-Up road either from the Princeton-Copper Mountain partially paved road or via the Wolfe - Lorne Lake road which connects to Highway No.3, with turn-off about 9 miles east of Princeton. Access is restricted at this time due to flooding of the creeks.

2.0 Property: The claims group consists of 21 claims, designated the Denise 1-21. They were staked by Rudolf Tuschak on the 22nd August 1971, recorded on the 24th August 1972 and are in good standing until the 24th August 1972. Figure 1 shows the location and sequence of position.

The claims area was formerly known as the Deb Group, controlled by Copper Range Exploration Company, Inc. Investigation carried out, according to the B. C. Minister of Mines Report for 1970, consisted of geological-geophysical surveys, trenching, some diamond drilling and related work directed to testing copper and molybdenum mineral possibilities. The results of these surveys are not available to the writer.

Report to Geo-Dyne Resources Ltd N.P.L., 13 June 1972

The Deb claims were abandoned by Copper Range Exploration, Inc. when they discontinued their exploration programmes in Western Canada.

3.0 Geology: The geological formations underlying the Denise Claims area embody Jurassic-Cretaceous intrusives of granite-syenite complexes bordered by Nicola volcanics. Within the bounds of Denise 1-4 claims scattered copper mineralization is noted, especially on the western flanks of Agate Mountain. Copper sulphides are visible as disseminations in and along fracture and joint planes in the form of chalcopyrite and also as secondary malachite. These copper mineralizations also appear in the skarn zones as blebs and disseminations associated with garnet and magnetite.

This relationship between the intrusives and volcanics is similiar to that obtaining in the Copper Mountain, Similkameen, Hedley produced deposits and prospects in the Princeton area.

4.0 Opinion: On the basis of the information presently available relating to the economic mineral potentialities of the Denise Mineral Claims area, it is my opinion that opportunity may exist for the discovery of copper bearing mineral zones of interest within the geological environment. Investigation of the possibilities is justifiable.

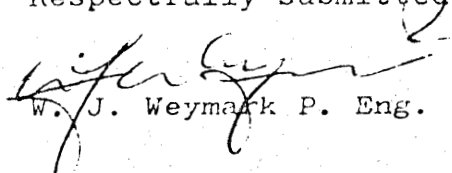
5.0 Recommendations: It is proposed that a programme of field investigation involving an expenditure of \$40,000.00 be carried out to assess the economic merit of the Denise Mineral Claims area.

This programme would involve the following expenditures:

1.0 Topographical surveys and grids ..	\$3,000.00
2.0 Geological mapping	5,000.00
3.0 Geophysical surveys	10,000.00
4.0 Geochemical surveys	10,000.00
5.0 Sampling and tests	2,000.00
6.0 Engineering	5,000.00
7.0 Camp establishment and administrat-	
ion	<u>5,000.00</u>
Total	\$40,000.00

It is considered that on completion of the above programme, sufficient data would be available on which a decision could be prudently made as to the economic significance of the metallic mineral possibilities of the mineral claims area and the scope and nature of requisite future programmes of investigations.

Respectfully submitted,

  
W. J. Weymark P. Eng.

CERTIFICATE

I, William James Weymark, P. Eng., Consulting Engineer, of the District of West Vancouver, of the Province of British Columbia, hereby certify that:

1.0 I am a graduate of Mining Engineering of Queen's University, Kingston, Ontario, B.Sc., 1940 and have been practising my profession for twenty-five years.

2.0 I am a practising Consulting Engineer and reside at 3310 Westmount Road, West Vancouver, Province of British Columbia.

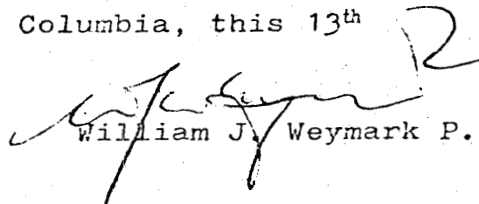
3.0 I am a member of the Association of Professional Engineers of the Province of British Columbia and also of the Consulting Engineers' Division of the Association of Professional Engineers of British Columbia.

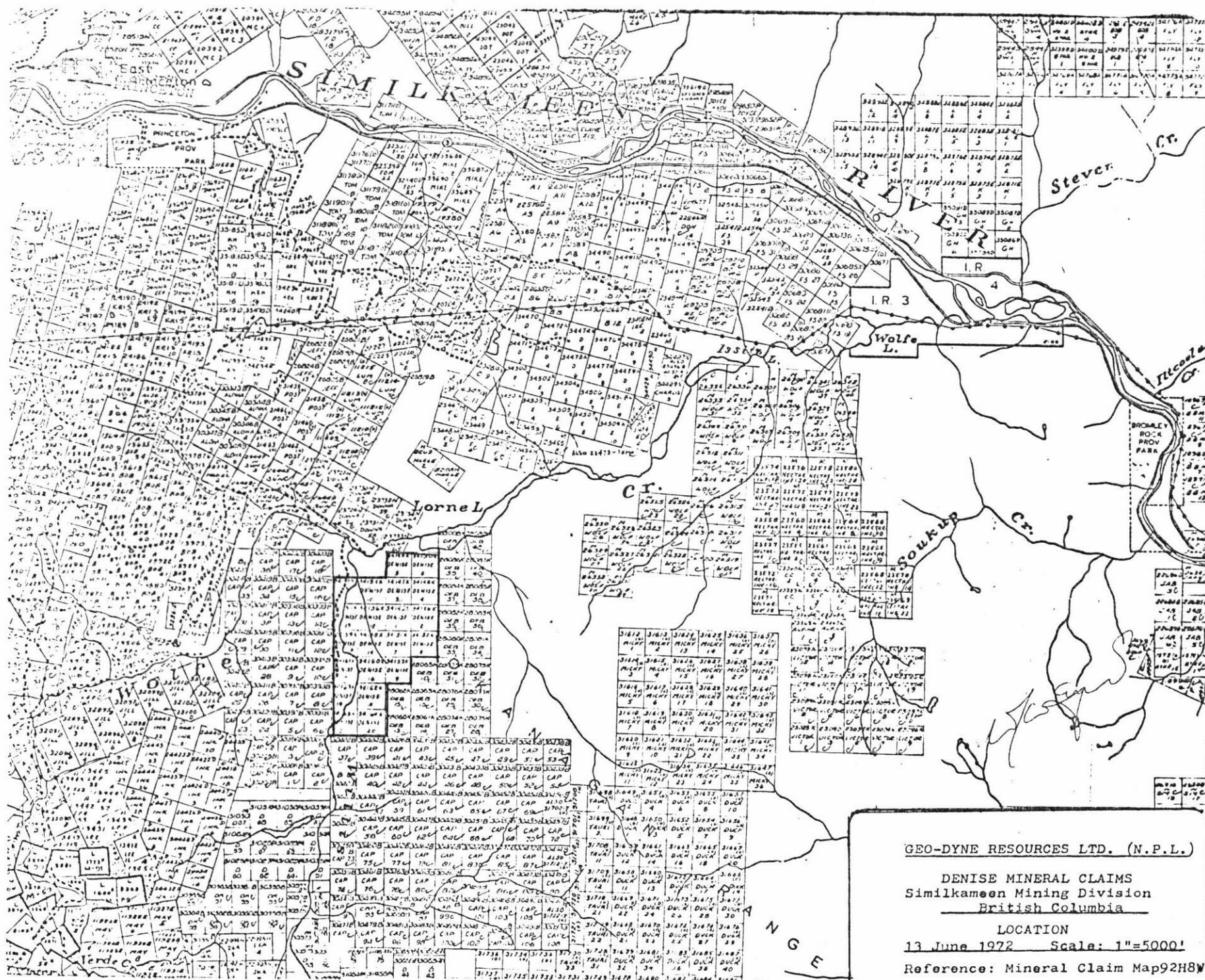
4.0 I am a member of the Canadian Institute of Mining and Metallurgy and of the American Institute of Mining, Metallurgical and Petroleum Engineers.

5.0 I have no direct or indirect interest whatsoever in the Denise Mineral Claims or in Geo-Dyne Resources Ltd. (N.P.L.) nor do I expect to receive any interest, direct or indirect in the properties of Geo-Dyne Resources Ltd. (N.P.L.) or any affiliate or any security of the company or affiliate.

6.0 The findings of the accompanying report are based on my personal examination of the Denise Mineral Claims area on 11 June 1972, and subsequent review of the available information.

Dated at West Vancouver, British Columbia, this 13<sup>th</sup> day of June 1972.

  
William J. Weymark P. Eng.



GEO-DYNE RESOURCES LTD. (N.P.L.)

DENISE MINERAL CLAIMS  
Similkameen Mining Division  
British Columbia

LOCATION  
13 June 1972 Scale: 1"=5000'

Reference: Mineral Claim Map 92H8W