

July 5, 1968

The President and Directors,
New Grenin Dabine Mines Ltd.,
Vancouver, B. C.

Dear Sirs:

The following report describes the
proposed geophysical survey of the
Silver King property at Nelson,
B. C.

SUMMARY:

It is proposed to conduct an Induced Polarization survey of the Silver King property at an estimated cost of \$7,300.

It is recommended that the work be done this summer in order to complete the expenditure required under the Cominco agreement and in order to provide information on which to base future plans.

GENERAL:

Much of the Silver King property can be regarded as unexplored by modern standards. Recent work has been concentrated at or near known veins; former exploration work consisted of digging pits and trenches--an ineffective method in view of the large areas covered by overburden. About 20 years ago Cominco carried out an electromagnetic geophysical survey but the equipment was primitive and the results were regarded as unreliable.

Under the terms of its agreement with Cominco, New Grenin Dabine Mines Ltd. is required to spend another \$3,100,44. This sum should be expended in such a manner as to comply with the agreement and to add to the already-acquired knowledge of the property. Furthermore, it will be necessary to do work this year on the Cariboo Mineral Lease (N70) in order to retain title to it.

EXPLORATION:

Because of the overburden and forest growth, geophysics offers the best means of making a preliminary check of the unexplored areas.

Although the whole property should be surveyed, three areas appear to be geologically most promising. These are:

1. North of the old workings where a tongue of intrusive rocks cuts through the andesite schists. See Map.
2. West and northwest of the Dandy portal along the strikes of the main, Mohinor and Iroquois veins.
3. South of the old workings and in the vicinity of Silver King Lake where another intrusive tongue cuts the schists.

GEOPHYSICS:

After consultations with Mr. R. O. Cresby of Seigel Associates Ltd., it has been decided that an Induced Polarization survey offers the best means of checking the area geophysically.

It is proposed that the survey be run on lines 500 feet apart. The most suitable electrode spacings would be determined by running trial lines across known ore bodies.

A base line would be laid out along the long axis of the property and parallel to most of the known veins. 2.3 miles of base line and 8.0 miles of cross-lines would be required.

COSTS.

RECOMMENDATIONS:

In accordance with the foregoing discussion it is recommended

1. That an induced polarization survey be made of the Silver King property on lines 500 feet apart, electrode spacing to be determined by testing known deposits.
2. That the sum of \$7,300 be made available for this project.

L. J. MANNING & ASSOCIATES LTD.






M. K. Lorimer

M. K. Lorimer, B.A.Sc., P.Eng.

MKL:mjr

NOT MAPPED
IN DETAIL

BASE LINE

-  Monzonite
-  Feldspar Augite Porphyry
-  Andesite Schists
-  Agglomerate
-  Vein

NEW CRONIN BABINE MINES
SILVER KING

PROPOSED I.P. SURVEY

Scale: 1" = 1000'

July 5, 1957