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REPORT ON
INDUCED POLARIZATION SURVEYS
KAMLOOPS AREA, BRITISH COLUMBIA
ON BEHALF OF
NORDCO EXPLORATIONS LIMITED (N.P.L.)

on CB 1-4

by

Richard O. Crosby, B.Sc.

January 4, 1967

CLAIMS:

Titles	Record Numbers
CB 1	17759
CB 2	17760
CB 3	17761
CB 4	17762

LOCATION: 2 miles N of Pritchard, B.C.
Kamloops Mining Division
50° 30' 119° 00' SE

DATE: December 8 to December 11, 1966

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SUMMARY

An induced polarization survey over part of this property has not revealed any abnormal responses. There is little possibility of the existence of a deposit of sulphide mineralization of economic significance beneath the area covered by this survey and within about 300' of the ground surface.

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REPORT ON INDUCED POLARIZATION SURVEY KAMLOOPS AREA, BRITISH COLUMBIA ON BEHALF OF NORDCO EXPLORATIONS LIMITED (N.P.L.)

INTRODUCTION

During the period December 8 to December 11, 1966 a geophysical party under the direction of Mr. Charles O'Sullivan, B.Sc., carried out induced polarization surveys on a property held by Nordco Explorations Limited (N.P.L.) in the Kamloops area, British Columbia. The claims are known as CB1 to CB4 inclusive and have record numbers 17759 to 17762 inclusive.

The purpose of the present survey was to determine the distribution of subsurface metallic mineralization in the area covered. In this area such mineralization may be of interest for base metals, including copper, lead and zinc, as well as for associated precious metals. A Seigel Mark VB time-domain induced polarization unit was used on this survey. This unit has a current-on time of 1.5 seconds and a measuring time of 0.5 seconds. The quantities measured and expressed herein are the chargeability, that is, the induced polarization characteristic, in units of milliseconds and the resistivity in units of ohm metres. In the present survey the three electrode array was employed throughout with electrode spacings of 400' for reconnaissance.

In the present area anomalous polarization responses may be expected to arise from metallic sulphides, including pyrite, pyrrhotite and chalcopyrite, etc., from carbonaceous sediments, from serpentine and,

to a lesser extent, from magnetite. It is not possible from the electrical data alone to differentiate between these various potential sources of high chargeability.

DISCUSSION OF RESULTS

The enclosed map shows the geophysical results in profile form. The profiles are in their proper relative locations on the scale of 1" = 400'. The geophysical scales are 1" = 5 milliseconds for chargeability and 1" = 100 ohm metres for resistivity. Six lines in all were surveyed in this program. The lines are oriented east-west crossing a geologically mapped fault. The observed chargeabilities are all less than 2.1 milliseconds which may be considered to be the low normal range for non-mineralized rocks. It is concluded that there is no evidence of appreciable amounts of metallic sulphide mineralization lying within at least 300' of the ground surface beneath the six lines covered in this area. No further recommendations can be made on the basis of the present data.

Respectfully submitted,

SEIGEL ASSOCIATES LIMITED

Richard O Crosby

Richard O. Crosby, B.Sc.
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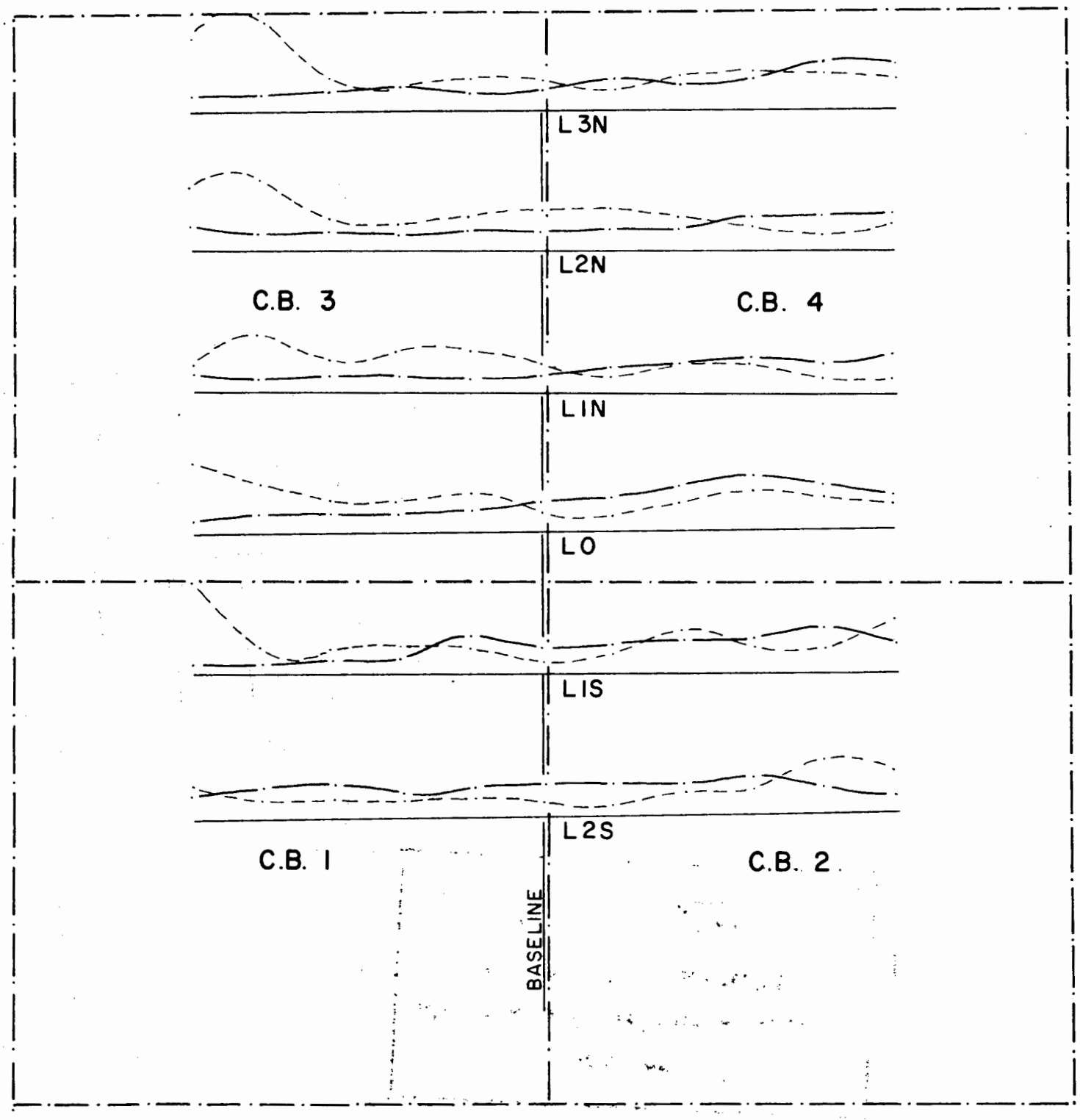
Vancouver, British Columbia

January 4, 1967



NORDCO EXPLORATIONS LTD. (N.P.L.)

KAMLOOPS AREA , BRITISH COLUMBIA

INDUCED POLARIZATION SURVEY

SCALES:

1" = 400'

1" = 5 MILLISECONDS

1" = 1000 OHM-METRES

LEGEND:

CLAIM BOUNDARIES ·——·——·——·

CHARGEABILITY ·———·———

RESISTIVITY ·– – – –·– – – –

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THREE ELECTRODE ARRAY, 400' ELECTRODE SPACING

SURVEY BY SEIGEL ASSOCIATES LIMITED
DECEMBER, 1966

TO ACCOMPANY GEOPHYSICAL REPORT BY
R.O. CROSBY DATED JANUARY 4, 1967

R. Crosby