

827657

LOGISTICAL REPORT

INDUCED POLARIZATION and RESISTIVITY SURVEYS

MOUNT SICKER PROPERTY
VANCOUVER ISLAND, B.C.

on behalf of

CORPORATION FALCONBRIDGE COPPER
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Field work completed: June 24 to July 2, 1986

by

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1. INTRODUCTION

Induced polarization and apparent resistivity surveys were conducted over portions of the Mount Sicker Property, Vancouver Island, B.C. on behalf of Corporation Falconbridge Copper, within the period June 24 to July 2, 1986. The work was performed by Alan Scott, Geophysicist.

The pole dipole electrode array at an "a" spacing of 50 meters, and "n" separations of 1, 2, 3, 4, and 5, was used on the induced polarization survey. The current electrode was to the south of the receiving electrodes on all survey lines.

2. SURVEY LOCATION

The Mount Sicker Property is located about 8 kilometers west of the village of Crofton, B.C. Access is via a network of old logging and mining roads from the Mount Prevost Road.

3. SURVEY GRID AND SURVEY COVERAGE

The induced polarization survey was conducted over 17 lines (line 2200E to L3800E), for a total of 23.3 line kilometers. Details of survey coverage are given in the previously submitted production reports.

4. PERSONNEL

Alan Scott operated the IPR-11 receiver and produced the accompanying data summaries and pseudosections using the Soft II program.

Steve Ocsko operated the transmitter.

Bob Grant, Brad Scott, and Tom Hannam were field assistants on the survey.

Harold Gibson was the project geologist on site on behalf of Corporation Falconbridge Copper.

5. INSTRUMENTATION

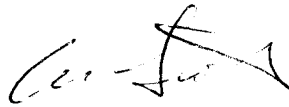
A Scintrex IPR-11 time domain microprocessor based induced polarization receiver was used on the survey. This instrument operates on an alternating square wave transmitted current pulse train, and samples the decay curve at ten semilogarithmically spaced times after cessation of each pulse. A 2 second on/2 second off pulse was used on the survey. The data is continually averaged until the operator is satisfied convergence has occurred, and is filed into solid state memory. The eighth slice (from 690 to 1050 milliseconds after shutoff; midpoint at 870 milliseconds) is the value that has been plotted on the plans and pseudosections.

The survey data was archived, processed, and plotted using a Corona PPC 400 microcomputer running the Scintrex Soft II software. All decay curves were submitted to spectral analysis by a curve matching procedure.

6. RECOMMENDATIONS

A preliminary examination of the results from the IPR11 survey on the Mount Sicker Property indicates that several moderate to strong chargeability anomalies were detected that merit diamond drilling and/or trenching work. A detailed interpretation of these survey results, and correlation to the geological and geochemical data bases, is recommended to select specific targets.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'Alan Scott', with a stylized flourish at the end.

Alan Scott,
Geophysicist