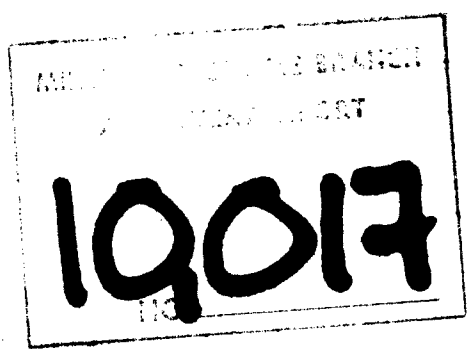


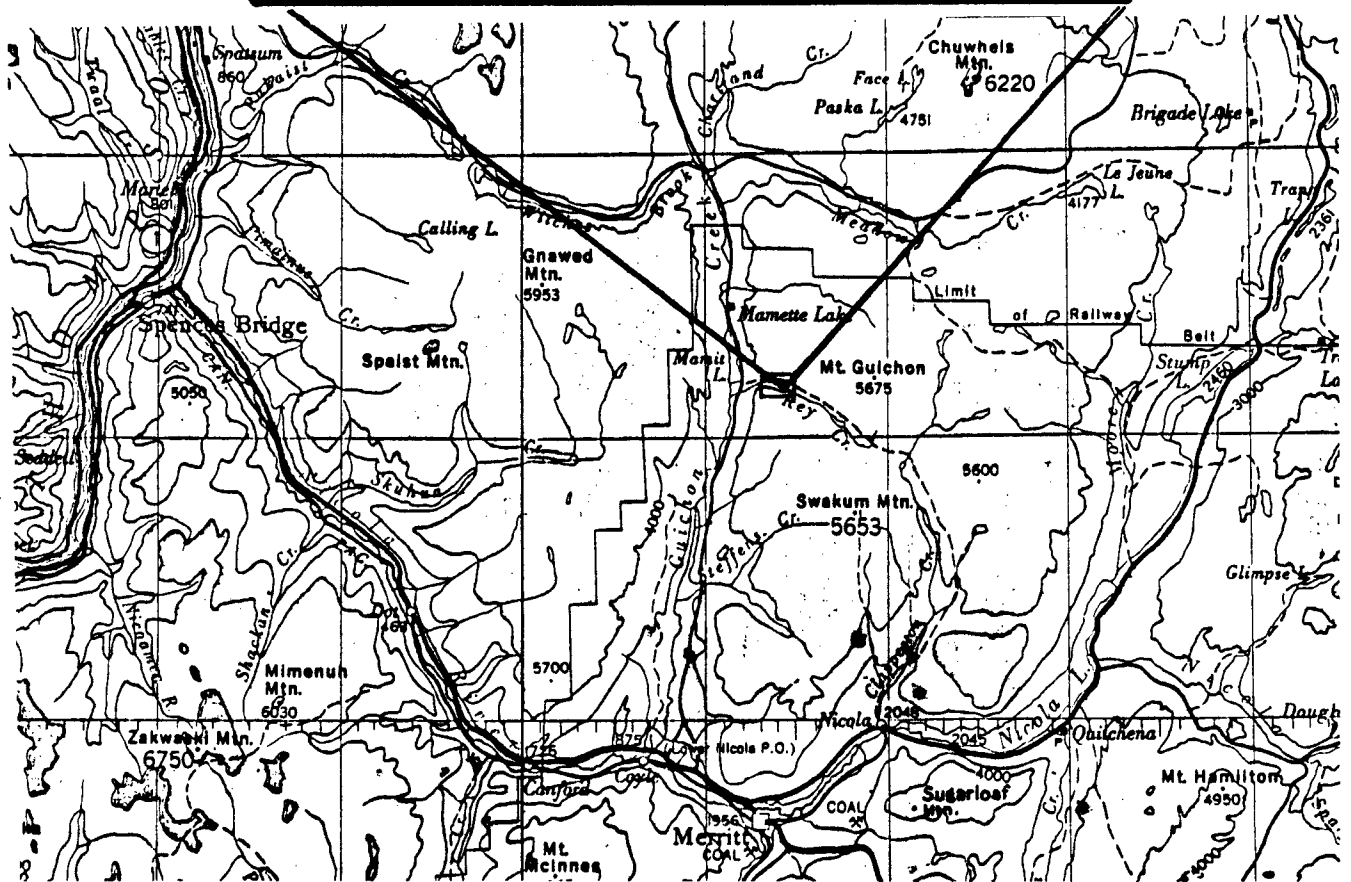
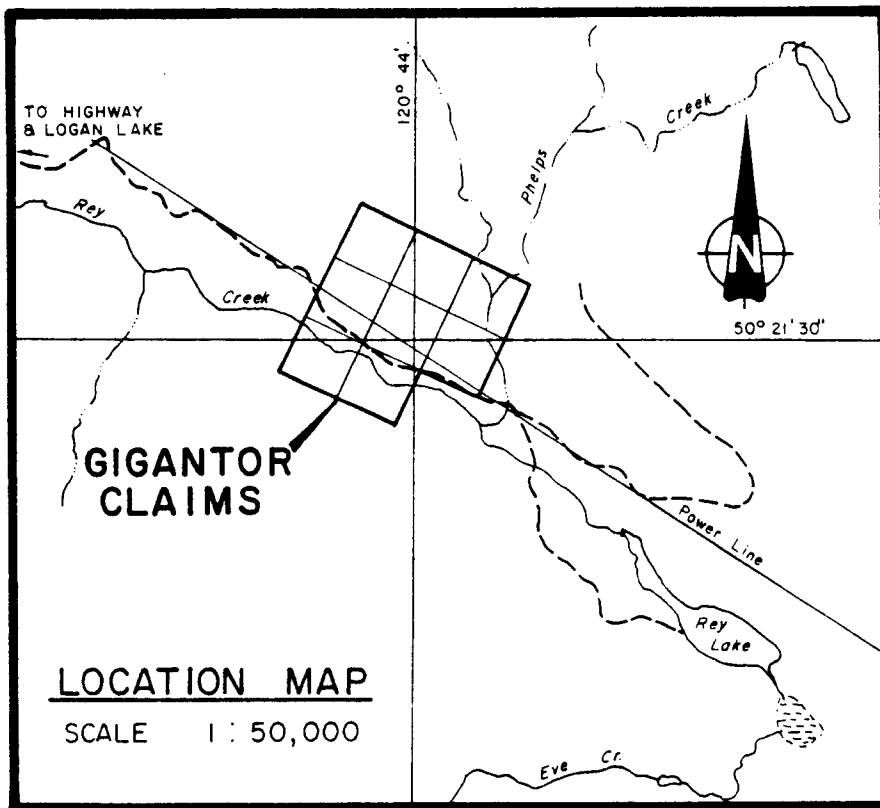
PEZ RESOURCES LTD.
INDUCED POLARIZATION SURVEY #2

Gigantor 1 - 2 mineral claims, Mamit Lake area
Lat. 51°21'30"N Long. 120°44'W N.T.S. 92 I/7E

AUTHOR: Glen E. White, B.Sc., P.Eng.
DATE OF WORK: November 13-17, 1980
DATE OF REPORT: December 22, 1980



part 2
of 2



PEZ RESOURCES LTD.
GIGANTOR CLAIMS
LOCATION AND CLAIMS MAP

92-I-7 E

Glen C. White
 geophysical consulting
 &
 services Ltd.

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Illustrations

Figure 1	Location and claims map
Figure 2	Chargeability in milliseconds
Plates 1-3	Profiles Lines 500E, 800E 900E N=1 and 2

INTRODUCTION

An induced polarization survey was completed on the Gigantor claims on behalf of Pez Resources Ltd. in May of 1980. The purpose of the survey was to examine a showing of mineralized quartz calcite veins containing values of gold, silver, copper, lead and zinc. The showings did not respond but two small chargeability anomalies were detected. This present survey was undertaken with a smaller "a" spacing to detail the anomalies. The original survey lines were spaced 200 m apart. A further 3 km of surveying was conducted during the period November 13-17, 1980.

PROPERTY

The Gigantor 1 - 2 claims were located by the two post prospector staking system and are illustrated on Figure 1.

LOCATION AND ACCESS

The property is located on Rey Creek some five km east of Mamit Lake. Mamit Lake is a well known fishing lake between Merritt and Logan Lake, the Lornex Mines townsite.

Access is by regular motor vehicle.

GENERAL GEOLOGY

The general area of the property can be seen on Map 886A at a scale of 1" = 4 miles. The immediate property area is mapped as underlain by the Nicola Group of andesites, basalts, breccia tuffs, argillite and limestones of Upper Triassic age.

SURVEY GRID

The survey grid was established by a crew from Manny Consultants Ltd. The baseline is in a WNW - ESE direction and follows the Rey Creek Valley. Traverse lines were turned off at right angles every 100 m and numbered at 25 m intervals.

INDUCED POLARIZATION SURVEY

The equipment used on this survey was the Huntec pulsetype unit, and Mark III receiver. Power was obtained from a Briggs and Stratton motor coupled to a 2.5 KW 400 cycle three phase generator, providing a maximum of 2.5 KW D.C. to the ground. The cycling rate is 1.5 seconds "current on" and 0.5 seconds "current off", the pulse reversing continuously in polarity. Power was transmitted to the ground through two potential electrodes, P_1 and P_2 which were deployed in the three electrode array with an "a" spacing of 50 m and separations of $N = 1$ and 2.

The data recorded in the field consists of careful measurements of the current (I) in amperes flowing through electrodes C_1 and C_2 , the primary voltage (V_p) appearing between electrodes P_1 and P_2 during the "current on" part of the cycle, and the secondary voltage (V_s) appearing between electrodes p_1 and P_2 during the "current off" part of the cycle. A cycle time of 4 seconds was used with a duty ratio of 2.2 - 1, T_p .20 ms and T_d 60 ms.

The apparent chargeability (M') in milliseconds, is calculated by $T_p (M_1 + 2M_2 + 4M_3 + 8M_4) = M'$, where T_p is the basic integrating time in tenths of seconds. M_1 , M_2 , M_3 and M_4 are the chargeability effects at various times on the voltage decay curve following switch off of the transmitter, measured as a percentage of the primary voltage, V_p recorded during the "current on" time. By the use of these factors, one can gain an estimate of the decay curve in terms of chargeability for the given time T_p . This gives a quantitative value to the data measured.

The apparent resistivity, in ohm-meters, is proportional to the ratio of the primary voltage to the measured current, the proportionality factor depending on the geometry of the electrode array used. The chargeability and resistivity obtained are called "apparent" as they are values which that portion of the earth sampled by the array would have if it were homogeneous. As the earth sampled is usually inhomogeneous, the calculated apparent chargeability and apparent resistivity are functions of the actual chargeabilities and resistivities of the rocks sampled and of the geometry of the rocks.

DISCUSSION OF RESULTS

The weather turned very cold in the Highland Valley area with no snow during the survey period, as a result the soil froze into an impenetrable layer. The apparent resistivity values increased

and the probes could not be driven into the ground which caused a premature termination of the survey. Figure 1 presents the contoured chargeability data at $a=50$ m $n=1$. The apparent resistivity values are listed on this map and are not shown on a separate contoured plan map.

The results show excellent correlation with the previous survey. The anomaly on line 400E at 300S is confirmed on line 500E at 325S. Plate 1 shows a good response on separations N-1 and 2.

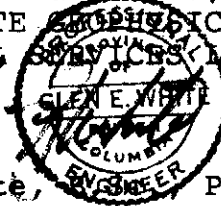
The anomaly on line 800E at 900N shows up as a limited dimensional chargeable source which extends over to line 900E. The area around 800E-500N from the previous survey gives slightly stronger values on line 900E on the new survey. Thus with respect to background data two relatively strong small chargeability sources were obtained.

CONCLUSION AND RECOMMENDATIONS

The limited amount of detail induced polarization surveying confirmed the two anomalous areas that were to be checked. The showings on the property are quartz-calcite veins with a low sulphide content and would not be expected to give a strong chargeability response. The two chargeability anomalies detected, one at 800E - 900N and the other at 500E would appear to be due to small chargeability sources possibly containing narrow veinlets of some 5-15% chargeable materials such as sulphide mineralization, sulphide or serpentine rocks. These two areas should be tested by diamond drilling.

Respectively submitted,
 GLEN E. WHITE, GEOPHYSICAL
 CONSULTING & SERVICES LTD.

Glen E. White
 Glen E. White, P.Eng.,
 Geophysicist



INSTRUMENT SPECIFICATIONS

INDUCED POLARIZATION SYSTEM

A. Instruments

- (a) Type - pulse
- (b) Make - Hunttec
- (c) Serial No. - transmitter #107 - receiver #3016

B. Specifications

- (a) Size and Power - 2.5 KW
- (b) Sensitivity - 300 x 10.5 volts
- (c) Power Sources - 2.5 KW 400 cycle - three-phase generator
- (d) Power - 8 H.P. Briggs and Stratton @ 3000 R.P.M.
- (e) Timing - electronic, remote and direct.
- (f) Readings - (i) amps (ii) volts primary and secondary
- (g) Calculate (i) Resistivity - ohm-meters (ohm-feet)
(ii) Chargeability - milliseconds

C. Survey Procedures

- (a) Method - power supplied to mobile probe along TW 18 stranded wire from stationary set-up
- (b) Configuration - Pole-dipole (three electrode array)
Plot point midway between C_1 and P_1

D. Presentation

- Contour Maps (i) Chargeability - milliseconds
(ii) Resistivity - ohm-meters (ohm-feet)

STATEMENT OF QUALIFICATIONS

NAME: WHITE, Glen E., P.Eng.

PROFESSION: Geophysicist

EDUCATION: B.Sc. Geophysics - Geology
University of British Columbia

PROFESSIONAL ASSOCIATIONS: Registered Professional Engineer,
Province of British Columbia

Associate member of Society of Exploration Geophysicists.

Past President of B.C. Society of Mining Geophysicists

EXPERIENCE: Pre-Graduate experience in Geology -
Geochemistry - Geophysics with Anaconda
American Brass

Two years Mining Geophysicist with Sulmac
Exploration Ltd. and Airborne Geophysics
with Spartan Air Services Ltd.

One year Mining Geophysicist and Technical
Sales Manager in the Pacific north-west
for W. P. McGill and Associates

Two years Mining Geophysicist and super-
visor Airborne and Ground Geophysical
Divisions with Geo-X Surveys Ltd.

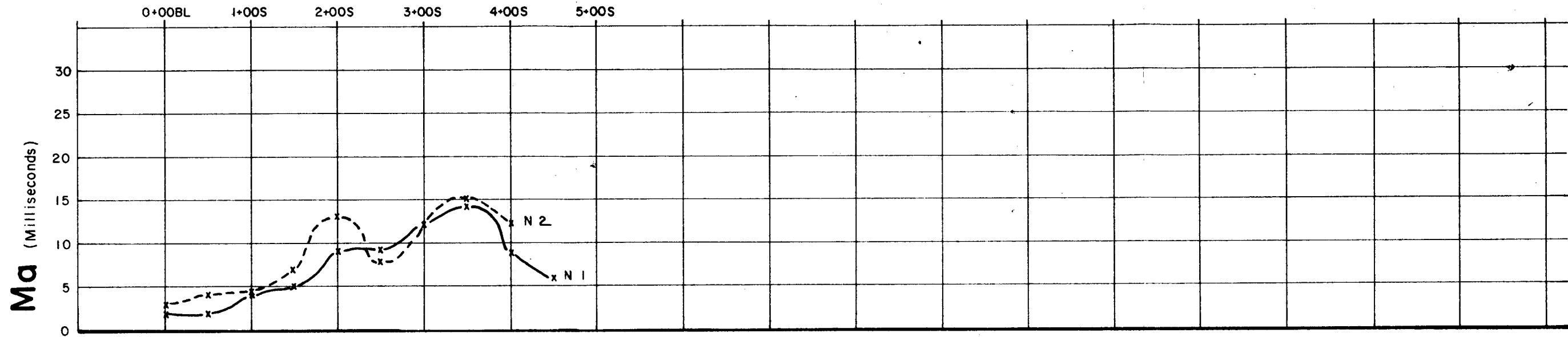
Two years Chief Geophysicist Tri-Con
Exploration Surveys Ltd.

Ten years Consulting Geophysicist

Active experience in all Geologic provinces
of Canada

COST BREAKDOWN

<u>PERSONNEL</u>	<u>DATE</u>	<u>WAGES</u>	<u>TOTAL</u>
J. Miller	Nov 13-20/80	145.00	725.00
G. Greig	Nov 13-20/80	125.00	625.00
M. Gray	Nov 13-20/80	115.00	575.00
T. Allmann	Nov 13-20/80	125.00	625.00
Meals and Accomodations			700.00
Vehicle all inclusive			325.00
Instrument			625.00
Interpretation maps and reports ...			700.00
Total			<u>\$4900.00</u>

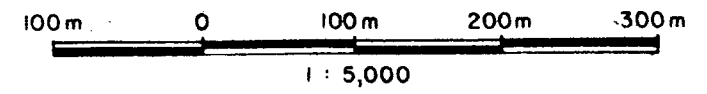


Pa (Ohm-Meters)

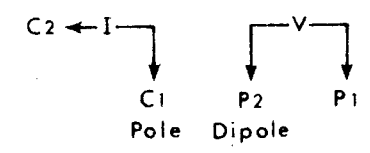
N1 2082 3754 2606 3834 12740 3958 10924 11637 19035 9314
 N2 3828 5040 4089 5513 9805 3826 8091 12904 13257
 N3

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
10017
 No.

**part 2
 of 2**



INSTRUMENT HUNTEC 2.5 KW TIME DOMAIN
 (a=50m)



PEZ RESOURCES LTD.
GIGANTOR CLAIMS
 NICOLA MINING DIVISION - B.C.

INDUCED POLARIZATION PROFILE
 (LINE 500E)

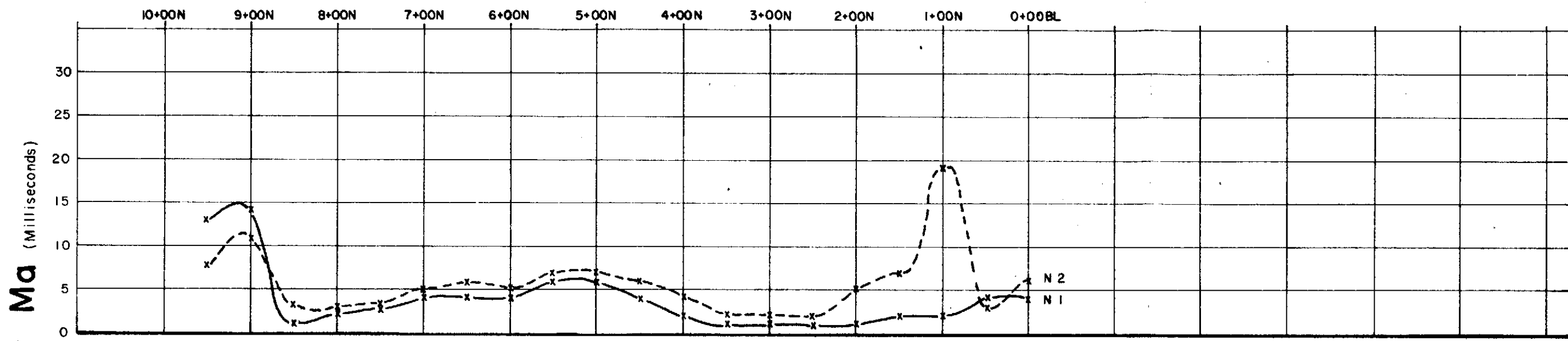
Glen E. White
 geophysical consulting
 &
 services Ltd.

INTERPRETED BY: G.E.W.
DRAWN BY: N.P.
CHECKED BY: G.E.W.
DATE: DEC./80
PLATE NO. 1

To Accompany Geophysical Report
 Date
 By GLEN E. WHITE B.Sc. or
 G.E.W. GEOPHYSICIST



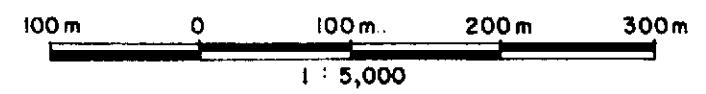
Glen E. White
 geophysical consulting
 &
 services Ltd.



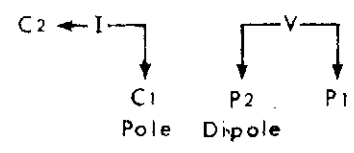
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N1																					
N2	3147	5758	8543	4048	5198	735	4971	359	2586	255	292	1905	4576	21546	27405	20157	3490	4319	16254	9849	
N3																					

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,017
NO.

**part 2
of 2**



INSTRUMENT HUNTEC 2.5 KW TIME DOMAIN
(a = 50 m)

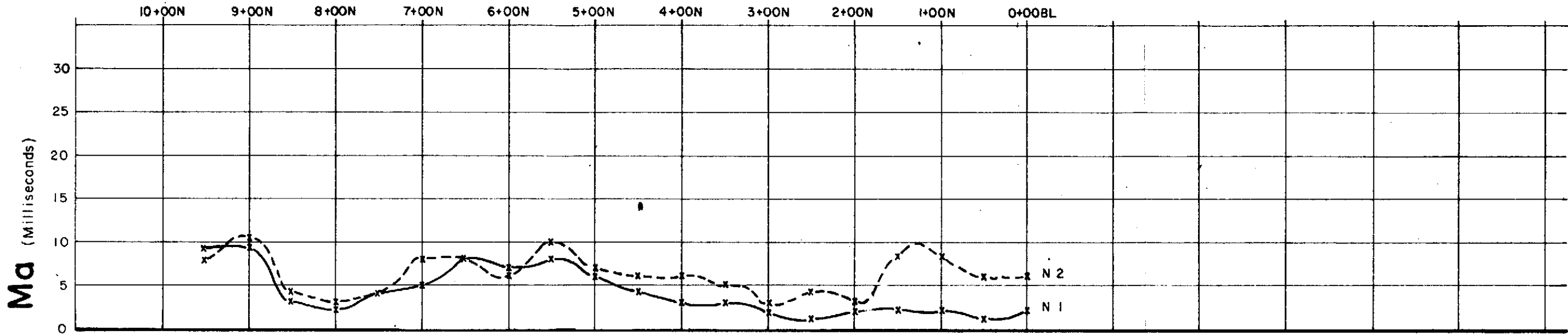


To Accompany Geophysical Report
Date
By GLEN E. WHITE - B.Sc. GEOPHYSICIST



PEZ RESOURCES LTD. GIGANTOR CLAIMS NICOLA MINING DIVISION - B.C.	
INDUCED POLARIZATION PROFILE (LINE 800E)	
<i>Glen E. White</i> geophysical consulting & services Ltd.	INTERPRETED BY: G.E.W. DRAWN BY: N.P. CHECKED BY: G.E.W. DATE: DEC / 80 PLATE NO. 2

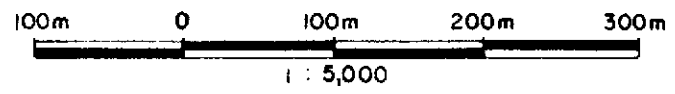
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geophysical consulting
services Ltd.



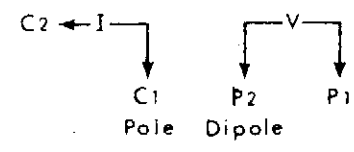
Ma	983	2076	2873	2877	3010	3519	4856	2791	2661	1876	1402	921	1169	1068	1415	1232	1307	1306	1449	2357	
N1																					
N2	1320	2999	5040	3488	2814	3917	4350	2310	2797	1838	1265	1096	1075	1202	1312	1573	1600	1739	2560	4455	
N3																					

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,017
NO.

part 2
of 2



INSTRUMENT HUNTEC 2.5 KW TIME DOMAIN
(a=50m)



PEZ RESOURCES LTD.
GIGANTOR CLAIMS
NICOLA MINING DIVISION - B.C.
INDUCED POLARIZATION PROFILE
(LINE 900E)

Glen E. White
geophysical consulting
services Ltd.

To Accompany Geophysical Report on
By GLEN E. WHITE - B.Sc. **GLEN E. WHITE** GEOPHYSICIST
PROFESSIONAL ENGINEER OF BRITISH COLUMBIA

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services Ltd.
INTERPRETED BY: G.E.W.
DRAWN BY: N.P.
CHECKED BY: G.E.W.
DATE: DEC. / 80
PLATE NO. 3