ASSESSMENT REPORT ON THE 1997 SOIL GEOCHEMICAL AND INDUCED POLARIZATION GEOPHYSICAL SURVEYS AT THE HARMONY GOLD PROJECT SANDSPIT, AMETHYST AND FEATHER GRIDS

GRAHAM ISLAND, QUEEN CHARLOTTE ISLANDS
SKEENA MINING DIVISION
BRITISH COLUMBIA
CANADA

N.T.S. 103F/08,09
Latitude 53°32' N
Longitude 132°13'W

MINERAL CLAIMS REFERENCED

Canyon 9-10, El Ninio, Feather 1-2, Ferguson
F 1-13, 15, Gold 10, 13, 14, 21, 22, Gw #7, 8, 9, #11
Misty 1-6, V 0-3, 6, 8-15, Qtz 1-2

Prepared for

Misty Mountain Gold Limited
1020-800 West Pender St.
Vancouver, B.C.
V6C 2V6

by

R.J. Haslinger, P.Eng.

January 30, 1998

VOLUME II

APPENDIX IV

A GEOPHYSICAL ASSESSMENT REPORT ON
AN INDUCED POLARIZATION SURVEY
ON THE HARMONY GOLD PROJECT
QUEEN CHARLOTTE ISLANDS
BRITISH COLUMBIA

SKEENA MINING DIVISION

LONGITUDE 132°20'W

LATITUDE 53°32'N
NTS 103F/7,8,9 & 15

BY

Daniel A. Klit, B.Sc.

LLOYD GEOPHYSICS INC.

JANUARY, 1998

THIS DOCUMENT IS BOUND SEPARATELY AS VOLUME II

MISTY MOUNTAIN GOLD LTD.

A GEOPHYSICAL ASSESSMENT REPORT ON
AN INDUCED POLARIZATION SURVEY
ON THE HARMONY GOLD PROJECT
QUEEN CHARLOTTE ISLANDS
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Lloyd Geophysics

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1.0 INTRODUCTION

During the period of October 7th to November 29th 1997, Lloyd Geophysics Inc. carried out an Induced Polarization (IP) survey on three separate grids: Sandspit, Amethyst, and Feather, on the Harmony Gold Project for Misty Mountain Gold Ltd.

The purpose of the survey on all three grids was to identify areas of sulphide mineralization. In addition, on the Sandspit grid, it was hoped that the location of the Sandspit fault could also be determined.

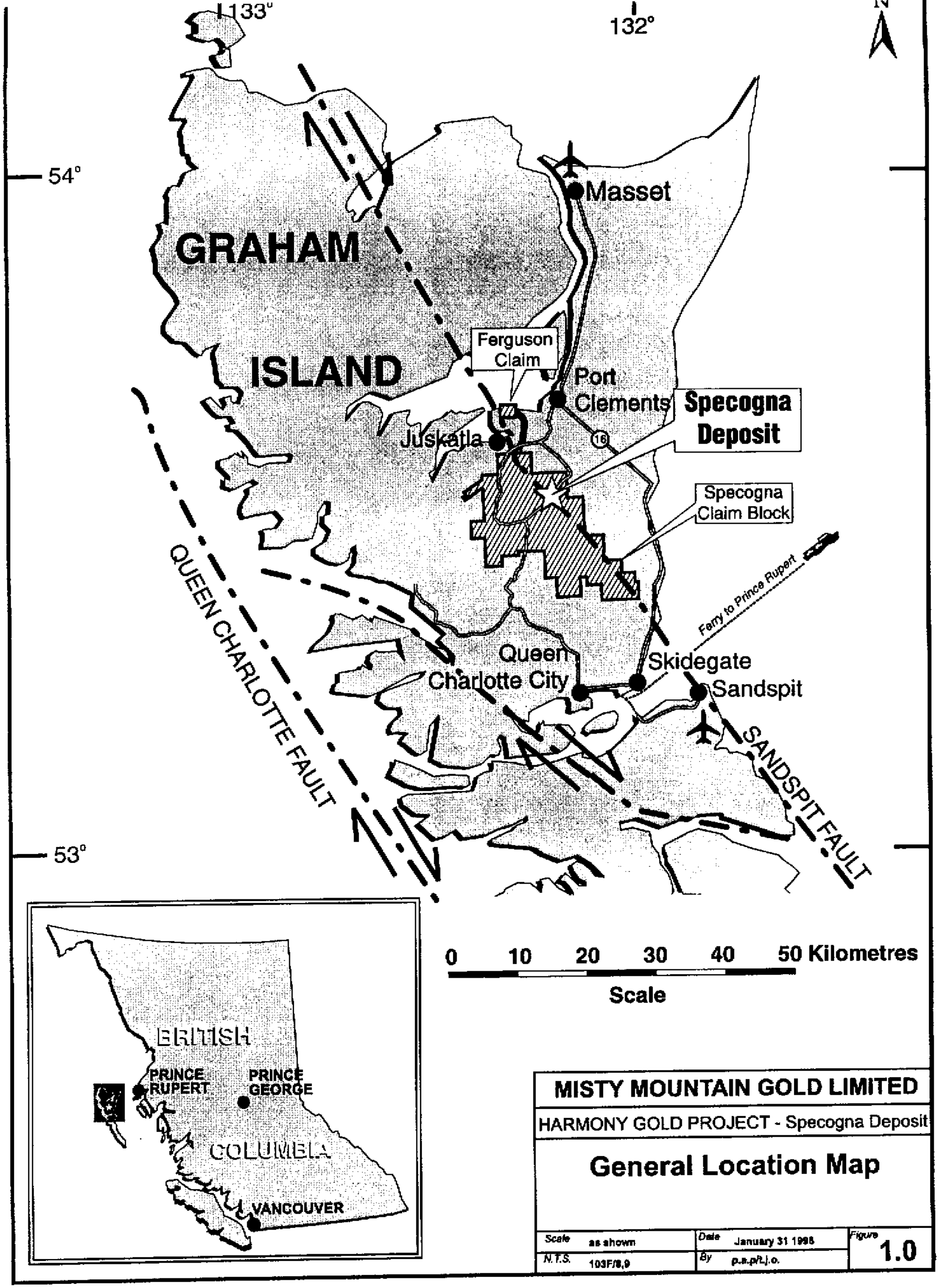
2.0 PROPERTY LOCATION AND ACCESS

The property is located approximately 35 kilometres southeast of Port Clements, British Columbia, at 53°32'N latitude, 132°20'W longitude, NTS 103F/7,8,9 & 15 in the Skeena Mining Division. (Figure 1)

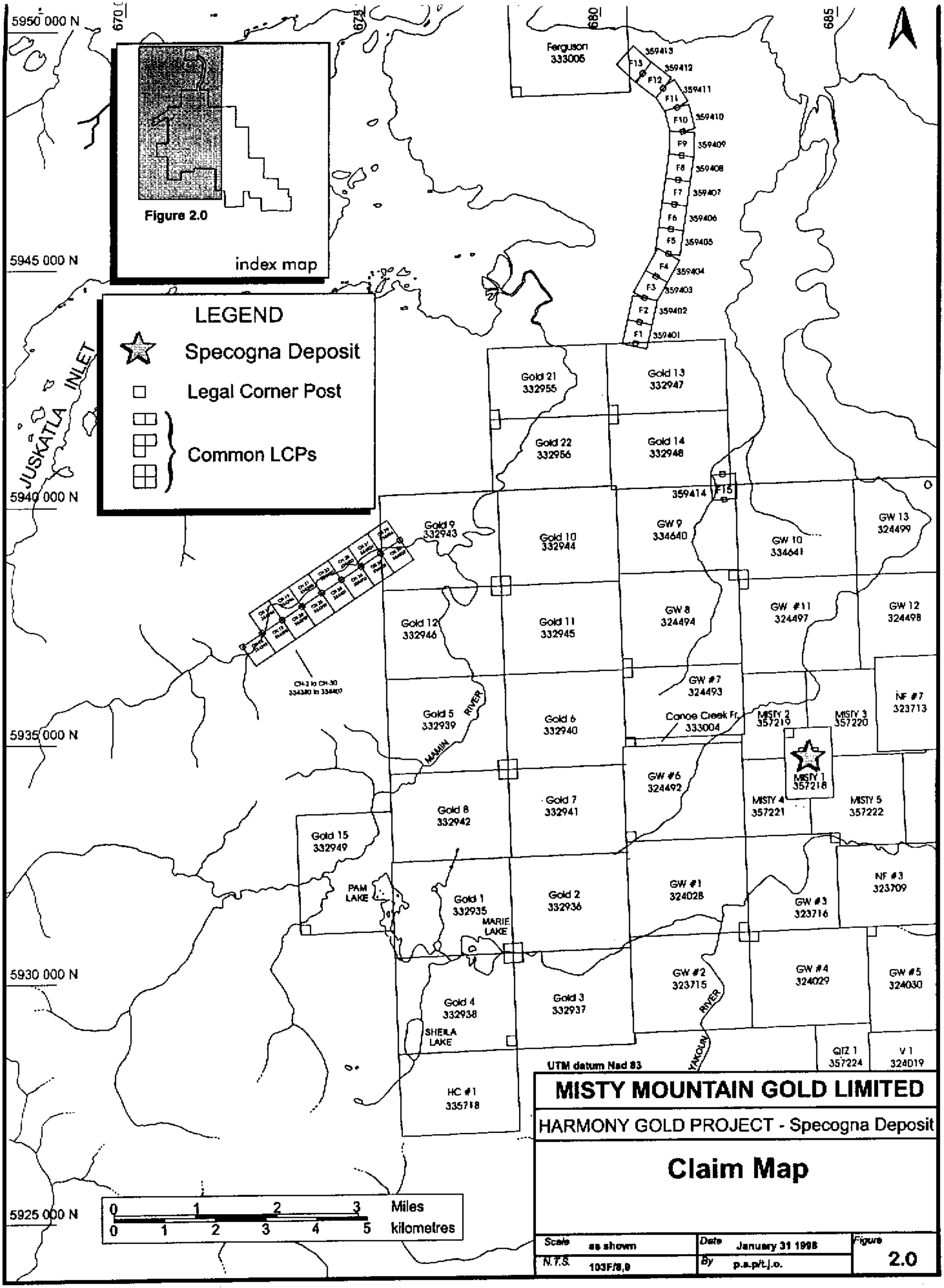
Access to the property is by truck south along the Yakoun River or Florence River logging roads.

3.0 PROPERTY STATUS AND CLAIM HOLDINGS

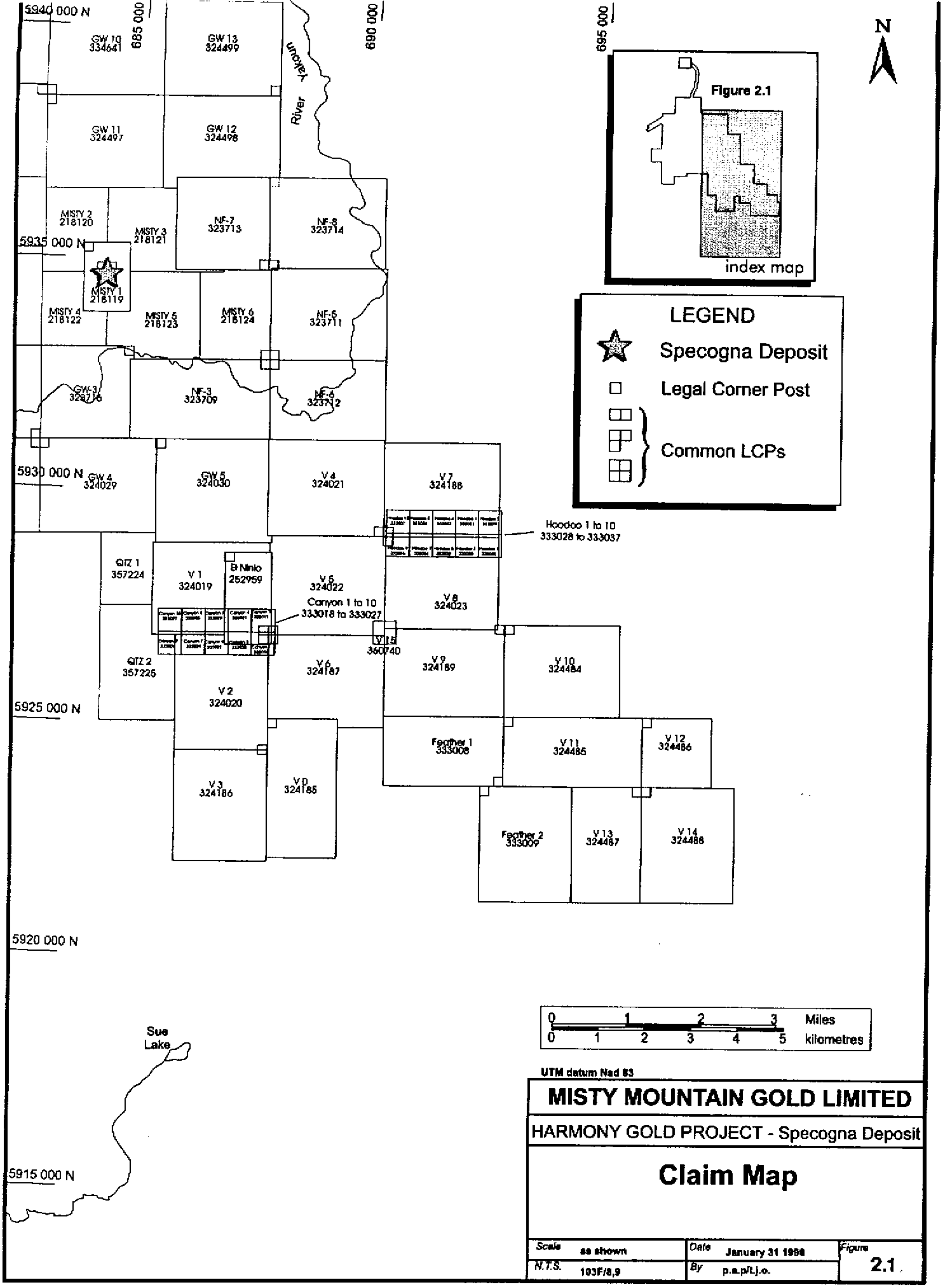
The Harmony Gold Project property, located in the Skeena Mining Division, covers about 400 square kilometres. The property consists of four blocks of mineral claims comprising 98 metric four-post claims, 71 two-post claims, and 1 fractional claim totalling 1798 units. Claim location figures as provided by Misty Mountain Gold Ltd. are shown as figures 2.0 and 2.1.



Lloyd Geophysics



Lloyd Geophysics



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4.0 GEOLOGY

For a detailed description of the local and regional geology of the Harmony Gold Project area the reader is referred to a "SUMMARY REPORT on THE HARMONY GOLD PROJECT - SPECOGNA DEPOSIT" by Peter Christopher, August 15, 1997.

5.0 INSTRUMENT SPECIFICATIONS

The equipment used to carry out this survey was a time domain measuring system consisting of a Honda 6500 motor generator and a VIP 4000 transmitter manufactured by Iris Instruments Ltd, Orleans, France and a six channel IP-6 receiver manufactured by BRGM Instruments, Orleans, France.

The transmitter was operated with a cycle time of 8 seconds and the duty cycle ratio: [(time on)/(time on + time off)] was 0.5 seconds. This means the cycling sequence of the transmitter was 2 seconds current "on" and 2 seconds current "off" with consecutive pulses reversed in polarity.

The IP-6 receiver can measure up to 6 dipoles simultaneously. It is microprocessor controlled, featuring automatic calibration, gain setting, SP cancellation and fault diagnosis. To accommodate a wide range of geological conditions, the delay time, the window widths and hence the total integration time is programmable via the keypad. Measurements are calculated automatically every 2 to 4 seconds from the averaged waveform which is accumulated in memory.

The window widths of the IP-6 receiver can be programmed arithmetically or logarithmically. For this particular survey the instrument was programmed arithmetically into 10 equal window widths or channels, Ch_0, Ch_1, Ch_2, Ch_3, Ch_4, Ch_5, Ch_6, Ch_7, Ch_8, Ch_9 (see Figure 3). These may be recorded individually and summed up automatically to obtain the total chargeability. Similarly, the resistivity (ρ_a) in ohm-metres is also calculated automatically.

The instrument parameters chosen for this survey were as follows:

Cycle Time (T_c) = 8 seconds

Ratio $\frac{\text{(Time On)}}{\text{(Time Off)}}$ = 1:1

Duty Cycle Ratio

$$\frac{\text{(Time On)}}{\text{(Time On)} + \text{(Time Off)}} = 0.5$$

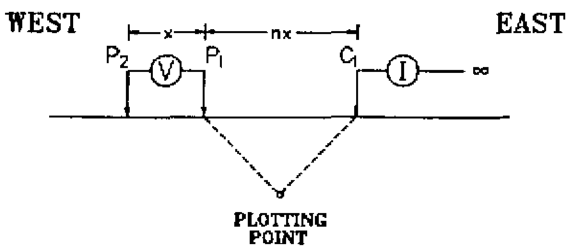
Delay Time (T_D)	= 120 milliseconds
Window Width (t_p)	= 90 milliseconds
Total Integration Time	= 900 milliseconds

6.0 SURVEY SPECIFICATIONS

The configuration of the pole-dipole array used on each grid survey is outlined below:

Sandspit Grid

POLE–DIPOLE ARRAY



x = 25 metres   n = 1,2,3,4,5 and 6

The dipole length (x) is the distance between P_1 and P_2 and mainly determines the sensitivity of the array. The electrode separation (nx) is the distance between C_1 and P_1 and mainly determines the depth of penetration of the array.

The Induced Polarization survey was carried out with the current electrode, C_1, east of the potential measuring dipole P_1P_2. Here the survey lines were 300 metres apart and measurements were taken for x =25 metres and n = 1,2,3,4,5 and 6.

Feather Grid

The Induced Polarization survey on the Feather grid was carried out with the current electrode, C_1, west of the potential measuring dipole P_1P_2. Here the survey lines were 250, 300 and 350 metres apart with measurements taken for x =25 metres and n = 1,2,3,4,5 and 6.

Amethyst Grid

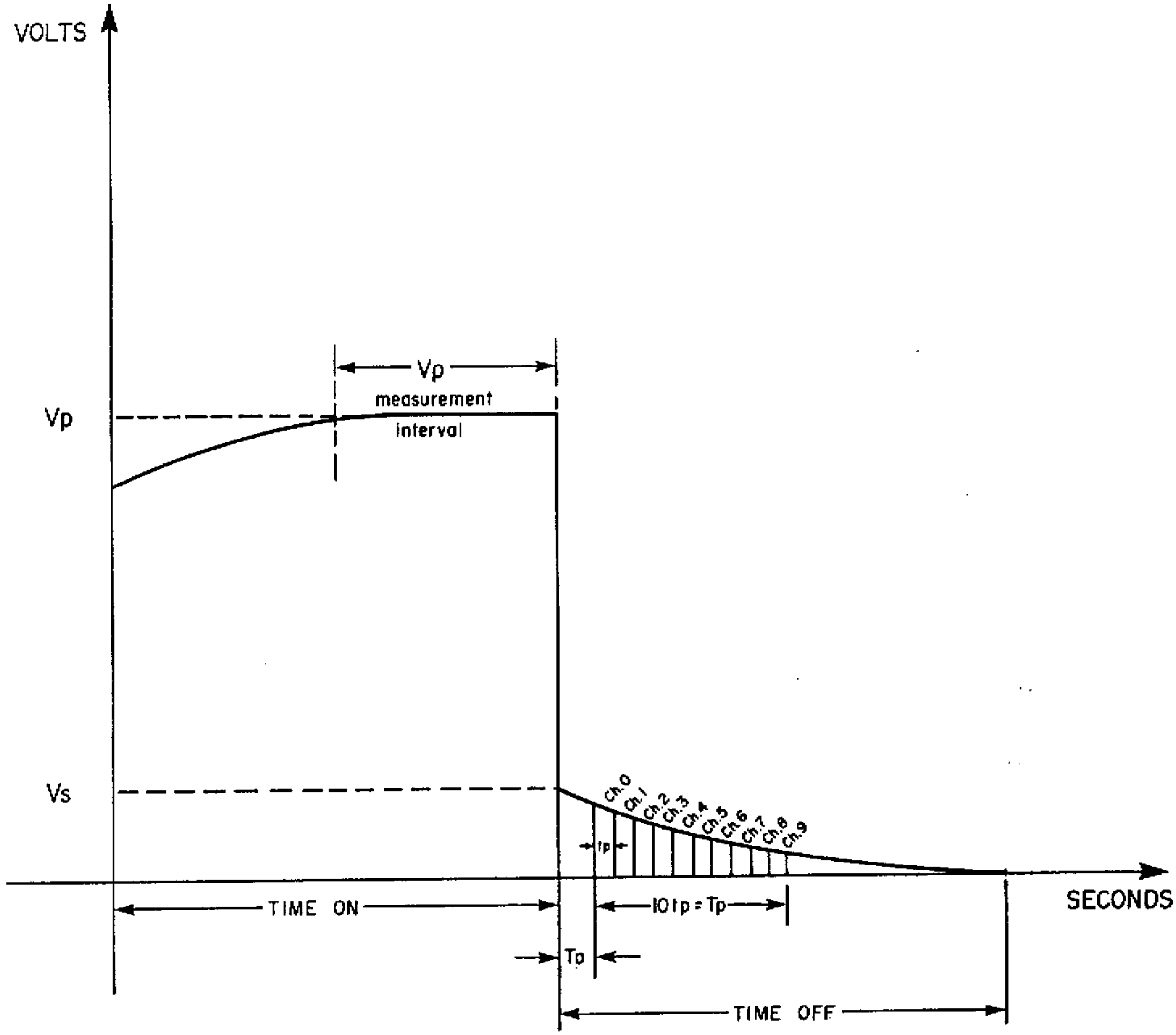
The Induced Polarization survey on the Amethyst grid was carried out with the current electrode, C_1, north of the potential measuring dipole P_1P_2. Here the survey lines were 300 to 425 metres apart and measurements were taken for x =25 metres and n = 1,2,3,4,5 and 6.

7.0 DATA PROCESSING

The data collected was processed in the field at the end of each survey day using a portable 486 computer and a Fujitsu printer.

The IP pseudo-sections were plotted out in the field and contoured using in-house software based on the mathematical solution known as kriging.

In the office, the data was transferred to mylar using a pentium computer coupled to an HP DesignJet plotter for the preparation of the final maps and pseudo-sections.



BRGM IP-6 RECEIVER PARAMETERS

Figure 3

8.0 DATA PRESENTATION

The data discussed in this report is presented on the following sections and maps:

SANDSPIT GRID

Pseudo-Sections (1:2000)

Line No.	Dwg. No.	Line No.	Dwg. No.
34400N	97416-S-01	37700N	97416-S-12
34700N	97416-S-02	38000N	97416-S-13
35000N	97416-S-03	38300N	97416-S-14
35300N	97416-S-04	38600N	97416-S-15
35600N	97416-S-05	38900N	97416-S-16
35900N	97416-S-06	39200N	97416-S-17
36200N	97416-S-07	41000N	97416-S-18
36500N	97416-S-08	41900N	97416-S-19
36800N	97416-S-09	43000N	97416-S-20
37100N	97416-S-10	82500E	97416-S-21
37400N	97416-S-11		

Contour Plan Maps (1:10000)

Chargeability 21 Point Triangular Filter	97416-S-22
Resistivity 21 Point Triangular Filter	97416-S-23
Compilation Map	97416-S-24

FEATHER GRID

Pseudo-sections (1:2000)

Line No.	Dwg. No.
26700N	97416-F-01
27000N	97416-F-02
27350N	97416-F-03
27600N	97416-F-04

Contour Plan Maps (1:10000)

Chargeability 21 Point Triangular Filter	97416-F-05
Resistivity 21 Point Triangular Filter	97416-F-06

AMETHYST GRID

Pseudo-sections (1:2000)

Line No.	Dwg. No.	
6975E	97416-A-01	
7275E	97416-A-02	
7700E	97416-A-03	
9800N	97416-A-04	East part of line
9800N	97416-A-05	West part of line

Contour Plan Maps (1:10000)

Chargeability 21 Point Triangular Filter	97416-A-06
Resistivity 21 Point Triangular Filter	97416-A-07

9.0 DISCUSSION OF RESULTS

An IP response depends largely on the following factors:

1. The volume content of sulphide minerals
2. The number of pore paths that are blocked by sulphide grains
3. The number of sulphide faces that are available for polarization
4. The absolute size and shape of the sulphide grains and the relationship of their size and shape to the size and shape of the available pore paths
5. The electrode array employed
6. The width, depth, thickness and strike length of the mineralized body and its location relative to the array
7. The resistivity contrast between the mineralized body and the unmineralized host rock

The sulphide content of the underlying rocks is one of the critical factors that we would like to determine from the field measurements. Experience has shown that this is both difficult and unreliable because of the large number of variables, described above, which contribute to an IP response. The problem is further complicated by the fact that rocks containing magnetite, graphite, clay minerals and variably altered rocks produce IP responses of varying amplitudes.

A detailed study has been made of the pseudo-sections which accompany this report. These pseudo-sections are not sections of the electrical properties of the subsurface strata and cannot be treated as such when determining the depth, width and thickness of a zone which produces an anomalous pattern. The anomalies are classified into 4 groups: definite, probable, and possible anomalies and anomalies which have a deeper source. These latter anomalies are mostly related to deeper overburden cover.

This classification is based partly on the relative amplitudes of the chargeability and to a lesser degree on the resistivity response. In addition the overall anomaly pattern and degree to which this pattern may be correlated from line to line is of equal importance.

SANDSPIT GRID

The geophysical survey on the Sandspit grid was oriented so as to delineate the Sandspit fault and find areas of potential economic grade mineralization similar to that of the Specogna deposit. The IP survey covered the northern two thirds of the known boundaries of the Specogna deposit on lines 34700N and 34400N. The geophysical response over the Specogna deposit is a chargeability/resistivity high which drops off rapidly to the west of the Specogna fault. (see dwg 97416-S-24). The Specogna fault is a postulated subsidiary fault of the major transform Sandspit fault. This rapid decrease in chargeability and resistivity fits nicely with the known location of the fault from drilling and the interpreted location from the calculated resistivity of the airborne EM survey carried out in 1995. To the north of the deposit the location of the Sandspit fault has been based mainly on the interpretation of the airborne survey data (Pezzot, 1997).

The IP survey suggests that the Specogna fault may indeed be a subsidiary of the Sandspit fault. Justification of this is based on a partition of the chargeability/resistivity highs by a chargeability/resistivity low which broadens to the north for up to 900 metres north of the deposit. If this is the case then the Specogna fault trends northwest-southeast from about 84275E on line 34400N to 84100E on line 34700N and then roughly north-south to just north of line 35300N where it appears to be truncated by a northeast-southwest feature which may be a structural contact. The interpreted edge of the Specogna fault is the only place where the resistivity highs are continuous at depth. To the east of this fault the high resistivity values are only at surface and may be reflecting Skonun formation sediments which are pervasively silicified in the upper portions of the deposit area.

The Sandspit fault would then fit well with the edge of the chargeability high to the east which trends from about 84075E on line 34400N to 83550E on line 35300N where the chargeability high appears to be truncated by the same northeast-southwest structural contact mentioned earlier.

The interpreted Specogna fault extends over 500 metres north of the presently outlined deposit which is open to the north and therefore is worthy of further exploration by drilling.

To the west of the Sandspit fault on line 34400N at about 83550E there is a moderately high chargeability area (roughly 10 to 30 milliseconds) coincident with a resistivity high of up to 1000 ohm-metres which is continuous at depth. Surrounding chargeabilities are much higher (up to 40 milliseconds) suggesting a higher pyrite content and possible alteration zone. If favourable geology exists in this area, follow-up exploration is recommended as the geophysical signature suggests it is a good target for epithermal gold exploration.

The northern part of the Sandspit grid is covered with overburden, therefore little is known about the detailed geology of this area. From the IP survey a few subsurface chargeability anomalies were delineated with values of up to 20 milliseconds. There were no significant resistivity contrasts which may indicate a contact or fault associated with these anomalies. The chargeability did however have consistently higher values on the eastern portion of the grid than the western portion, which may reflect the Skonun formation to the east, and the Haida formation to the west. A subtle breakpoint of roughly 7 milliseconds was used to project the possible location of the Sandspit fault along this contour. This interpreted location of the fault fits well with the fault direction as interpreted from the airborne EM survey however is shifted slightly to the east (see fig 97416-S-24).

FEATHER GRID

The Feather grid was likewise designed to look for a Specogna type deposit associated with the Sandspit fault. The fault itself can be traced following the 20 millisecond contour on the chargeability 21 Point filter map (dwg 97416-F-05) which runs from 91475E on line 26700N to 91525E on line 27600N. To the southwest (grid west) of the fault there is a strong increase in chargeability to over

50 milliseconds, and a gradual increase in resistivity from under 100 ohm-metres on the east side of the Sandspit fault, to about 500 ohm-metres on the western boundary of the chargeability high. Though the line spacing on this grid is somewhat large, there appears to be two distinct geologic trends in the data apart from the northwest-southeast strike of the Sandspit fault. The first trend is delineated by a chargeability high (fig 97416-F-05) with values greater that 35 milliseconds, which runs north-south from about 90950E on line 27000N to 91275E on line 27300N. The second trend is delineated by a resistivity high (say greater than 700 ohm-metres) running at roughly 280°' or almost perpendicular to the chargeability high. The intersection of these two trends would be at roughly 90875E and 26900N. No survey lines were run through these coordinates; therefore if favourable geology exists in this area further exploration by IP on closely spaced lines is recommended prior to drilling, in order to fully determine the full extension of the two anomalous features.

AMETHYST GRID

A strong well defined chargeability anomaly was delineated on line 9800N at 6700E with values up to 20 milliseconds within the anomaly and background values in the neighbourhood of 5 milliseconds. Associated resistivities are moderately low, say 200 to 500 ohm-metres with higher resistivity values of over 1000 ohm-metres flanking both sides of the anomaly. This anomaly indicates a fairly shallow source and should be compared to results from soil geochemistry and surface mapping prior to drilling. No lines were surveyed to the north or south of this anomaly by IP, which would have been useful in delineating the extents of the anomaly and the general trend of the fault or structural contact indicated by the resistivity high.

On line 7700E two narrow, near surface chargeability anomalies were delineated centred on 9725N and 10025N respectively. No significant resistivity contrasts are associated with these anomalies that would indicate structural contacts associated with the anomalies.

10.0 CONCLUSIONS AND RECOMMENDATIONS

The IP survey in the Sandspit grid is believed to have outlined the northern limits of the Specogna fault and possibly the northern direction of the Sandspit fault. The Specogna deposit is within a chargeability/resistivity high. Based on the results of the IP survey, the deposit remains open to the north of the presently drill indicated limits for approximately 500 metres along the hanging wall contact of the interpreted Specogna fault. Further exploration by drilling is recommended to test for potential expansion of the deposit along the eastern side of this fault to the north. Additional IP is recommended to test the extent of the anomaly to the south.

Secondly, an anomaly comprising a chargeability/ resistivity high signature exists on line 34400N at about 83550E. If favourable geology exists in this area then further exploration by drilling is recommended as well as IP to test for an extension of the anomaly to the south.

On the Feather grid an extrapolated intersection of two near-perpendicular trends delineated by chargeability and resistivity highs is recommended for additional fill-in IP lines and to further delineate the anomalies and follow up drilling if favourable geology exists.

On the Amethyst grid a well defined anomaly flanked by resistivity highs was delineated on line 9800N. Follow up exploration of this anomaly should be based on results from soil geochemistry and surface mapping as this anomaly indicates a fairly shallow source.

Finally, additional IP is recommended to further detail and close off anomalies as the line spacing used on the survey was quite large with respect to the dipole spacing used.

Respectfully submitted,

LLOYD GEOPHYSICS INC.

Daniel A Klit

Daniel A. Klit, B.Sc.,
Geophysicist

APPENDIX A

PERSONNEL EMPLOYED ON SURVEY

Name	Occupation	Address	Dates Worked
D. Klit	Geophysicist	#455-409 Granville Street Vancouver, B.C. V6C 1T2	Jan 26-28/98
J. Cornock	Geophysicist	#455-409 Granville Street Vancouver, B.C. V6C 1T2	Oct 7-Nov2/97
F. Dziuba	Geophysicist	#455-409 Granville Street Vancouver, B.C. V6C 1T2	Nov 3-29/97 Jan 22-23/97
G. Hoornenborg	Geophysical Technician	#455-409 Granville Street Vancouver, B.C. V6C 1T2	Oct 8-Nov 29/97
B. DeWitt	Helper	#445-409 Granville Street Vancouver, B.C. V6C 1T2	Oct 8-Nov 29/97
D.Blunt	Helper	#455-409 Granville Street Vancouver, B.C. V6C 1T2	Oct 8-Nov 29/97
D. Macrae	Helper	#455-409 Granville Street Vancouver, B.C.V6C 1T2	Oct 7-Nov 29/97

APPENDIX B

CERTIFICATION

I, Daniel A. Klit, of #455 - 409 Granville Street, in the City of Vancouver, in the Province of British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 1987 with a B.Sc. in Geophysics.

2. I am a member in good standing of the Society of Exploration Geophysicists of America, British Columbia Geophysical Society, British Columbia and Yukon Chamber of Mines and the Northwest Mining Association.

3. I have practised my profession continuously since 1987.

Vancouver, B.C.

RESISTIVITY (OHM-M)

CHARGEABILITY (MSEC)

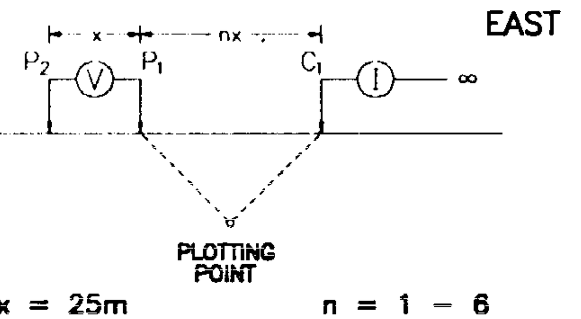
MISTY MOUNTAIN GOLD LIMITED

Sandspit Grid

Skeena Mining Division

LINE: 34400N

POLE-DIPOLE ARRAY



x = 25m n = 1 – 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm–m)

DATE SURVEYED: Oct. 11, 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP–6

25393
pt. 2 of 2

LLOYD GEOPHYSICS INC

INDUCED POLARIZATION SURVEY
DRAWING NUMBER : 97416–S–01

(1)

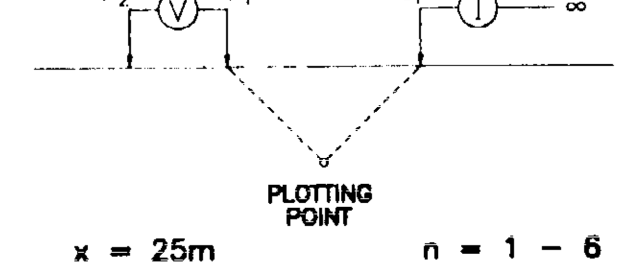
MISTY MOUNTAIN GOLD LIMITED

Sandspit Grid

Skeena Mining Division

LINE: 34700N

POLE–DIPOLE ARRAY



x = 25m n = 1 – 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm–m)

DATE SURVEYED: Oct. 13, 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP–6

25393 2/2

LLOYD GEOPHYSICS INC

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416–S–02

2

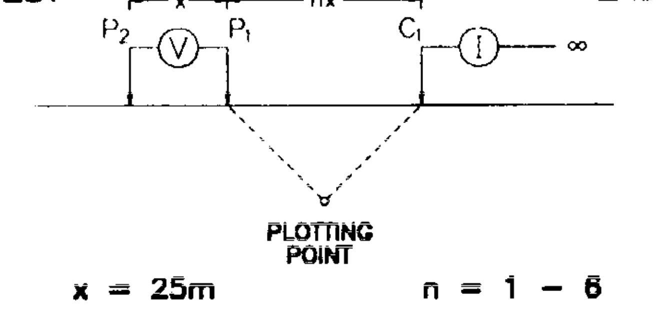
MISTY MOUNTAIN GOLD LIMITED

Sandspit Grid

Skeena Mining Division

LINE: 35000N

POLE–DIPOLE ARRAY



x = 25m n = 1 – 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm–m)

DATE SURVEYED: Oct. 17, 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP–6

25393 3/2

LLOYD GEOPHYSICS INC

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416–S–03

3

MISTY MOUNTAIN GOLD LIMITED

Sandspit Grid

Skeena Mining Division

LINE: 35300N

POLE-DIPOLE ARRAY

WEST EAST

P_2 V P_1 x nx C_1 I ∞

PLOTTING POINT

x = 25m n = 1 - 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS

APP.CHARGEABILITY : 2.0 (msec)

APP.RESISTIVITY : 100 (ohm-m)

DATE SURVEYED: Oct. 19, 1997

Tx: Huntec Mk2 Model 7500

Rx: EDA IP-6

25393 2/2

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416-S-04

(4)

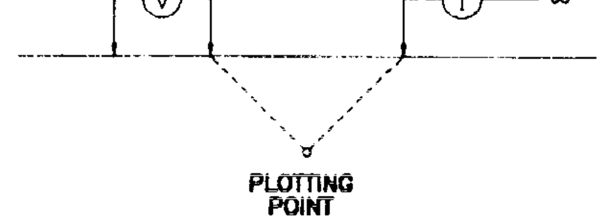
MISTY MOUNTAIN GOLD LIMITED

Sandspit Grid

Skeena Mining Division

LINE: 35600N

POLE–DIPOLE ARRAY



x = 25m n = 1 – 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm–m)

DATE SURVEYED: Oct. 20, 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP–6

25393 3/2

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416–S–05

5

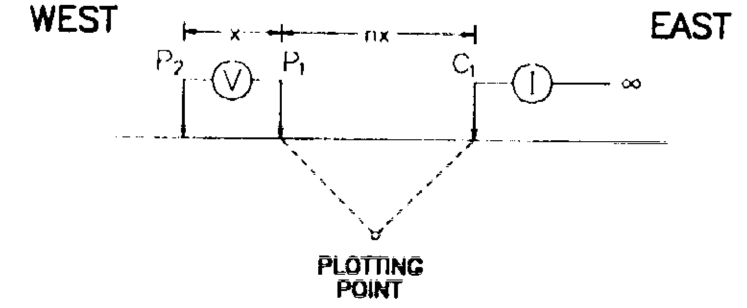
MISTY MOUNTAIN GOLD LIMITED

Sandspit Grid

Skeena Mining Division

LINE: 35900N

POLE-DIPOLE ARRAY



x = 25m n = 1 - 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS

APP.CHARGEABILITY : 2.0 (msec)

APP.RESISTIVITY : 100 (ohm-m)

DATE SURVEYED: Oct. 21, 1997

Tx: Huntec Mk2 Model 7500

Rx: EDA IP-6

25393 2/2

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416-S-06

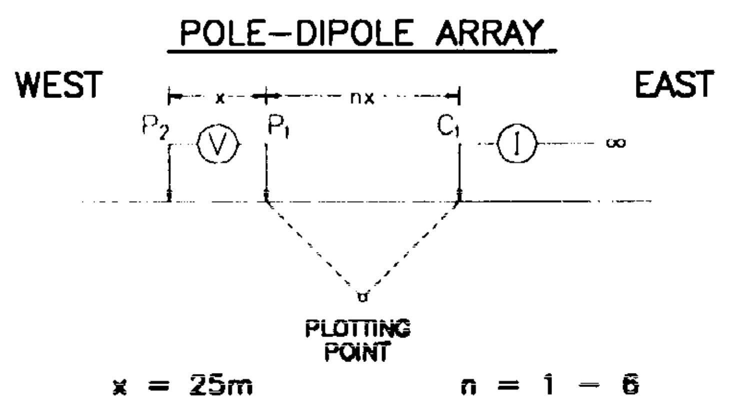
MISTY MOUNTAIN GOLD LIMITED

Sandspit Grid

Skeena Mining Division

LINE: 36200N

POLE-DIPOLE ARRAY



x = 25m n = 1 - 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm-m)

DATE SURVEYED: Oct. 22, 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP-6

25393 2/2

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416-S-07

7

MISTY MOUNTAIN GOLD LIMITED

Sandspit Grid

Skeena Mining Division

LINE: 36500N

POLE–DIPOLE ARRAY

WEST EAST

PLOTTING POINT

x = 25m n = 1 – 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS

APP.CHARGEABILITY : 2.0 (msec)

APP.RESISTIVITY : 100 (ohm–m)

DATE SURVEYED: Oct. 29, 1997

Tx: Huntec Mk2 Model 7500

Rx: EDA IP–6

25393 2/2

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416–S–08

(8)

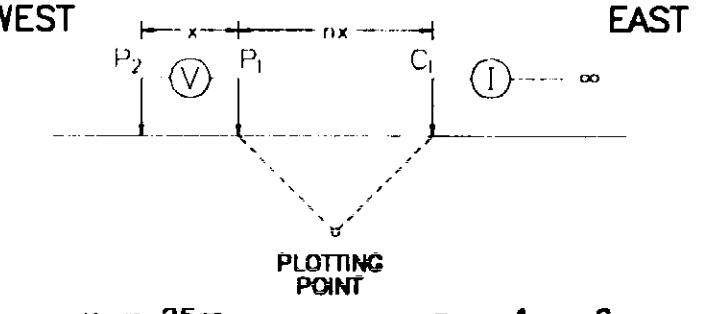
MISTY MOUNTAIN GOLD LIMITED

Sandspit Grid

Skeena Mining Division

LINE: 36800N

POLE–DIPOLE ARRAY



x = 25m n = 1 – 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm–m)

DATE SURVEYED: Oct. 28, 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP–6

25373 2/2

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416–S–09

7

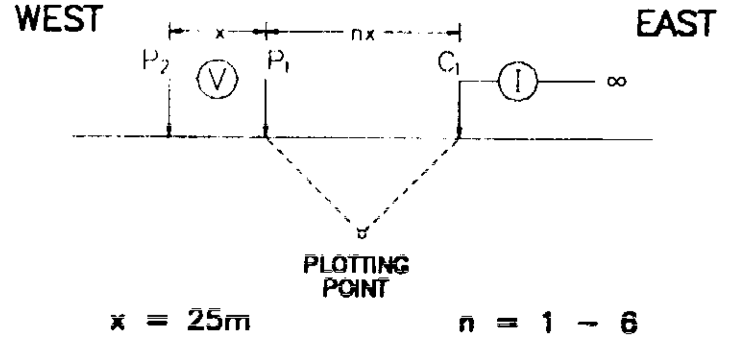
MISTY MOUNTAIN GOLD LIMITED

Sandspit Grid

Skeena Mining Division

LINE: 37100N

POLE-DIPOLE ARRAY



x = 25m n = 1 - 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm-m)

DATE SURVEYED: Oct. 25, 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP-6

25393 2/2

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY
DRAWING NUMBER : 97416-S-10

(10)

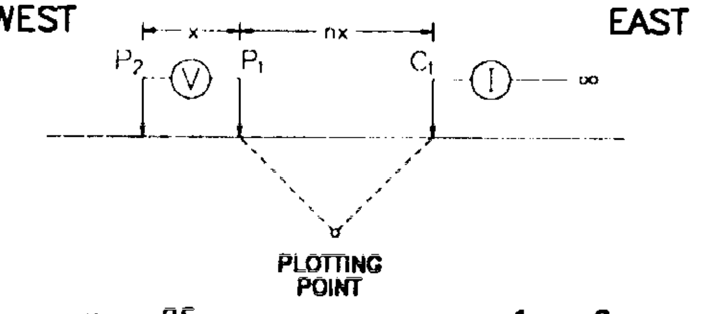
MISTY MOUNTAIN GOLD LIMITED

Sandspit Grid

Skeena Mining Division

LINE: 37400N

POLE-DIPOLE ARRAY



x = 25m n = 1 - 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm-m)

DATE SURVEYED: October 5,6 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP-6

25393 2/2

LLOYD GEOPHYSICS INC

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416-S-11

11

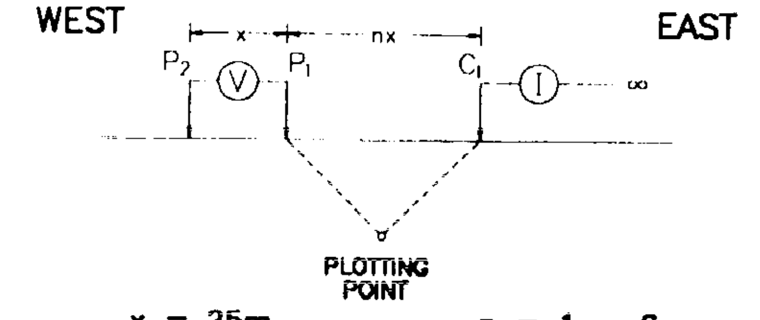
MISTY MOUNTAIN GOLD LIMITED

Sandspit Grid

Skeena Mining Division

LINE: 37700N

POLE–DIPOLE ARRAY



x = 25m   n = 1 – 6

CURRENT ELECTRODE C_1 EAST
OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION
OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm–m)

DATE SURVEYED: Nov. 5, 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP–6

25393 2/2

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416–S–12

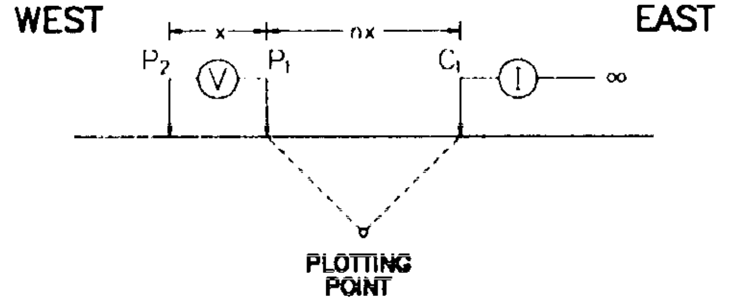
12

MISTY MOUNTAIN GOLD LIMITED

Sandspit Grid

Skeena Mining Division

LINE: 38000N



x = 25m n = 1 - 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm-m)

DATE SURVEYED: November 6,7 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP-6

25393 2/2

LLOYD GEOPHYSICS INC

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416-S-13

13

MISTY MOUNTAIN GOLD LIMITED

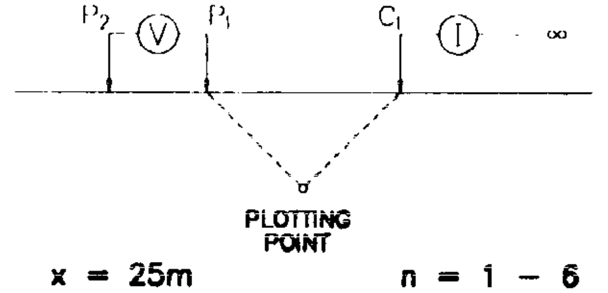
Sandspit Grid

Skeena Mining Division

LINE: 38300N

POLE-DIPOLE ARRAY

WEST EAST



x = 25m n = 1 - 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS

APP.CHARGEABILITY : 2.0 (msec)

APP.RESISTIVITY : 100 (ohm-m)

DATE SURVEYED: November 8,9 1997

Tx: Huntec Mk2 Model 7500

Rx: EDA IP-6

25393 2/2

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416-S-14 (14)

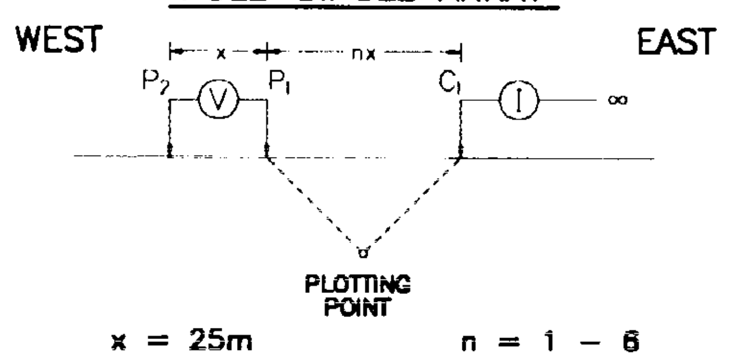
MISTY MOUNTAIN GOLD LIMITED

Sandspit Grid

Skeena Mining Division

LINE: 38600N

POLE-DIPOLE ARRAY



x = 25m   n = 1 - 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm-m)

DATE SURVEYED: November 10 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP-6

25393 2/2

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY
DRAWING NUMBER : 97416-S-15 (15)

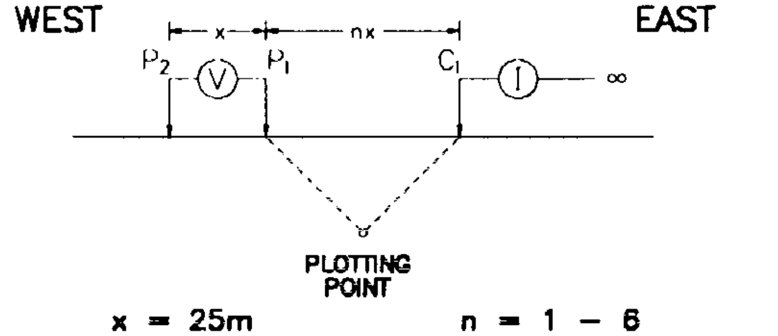
MISTY MOUNTAIN GOLD LIMITED

Sandspit Grid

Skeena Mining Division

LINE: 38900N

POLE–DIPOLE ARRAY



x = 25m n = 1 – 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm–m)

DATE SURVEYED: November 11 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP–6

25393 2/2

LLOYD GEOPHYSICS INC

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416–S–16 16

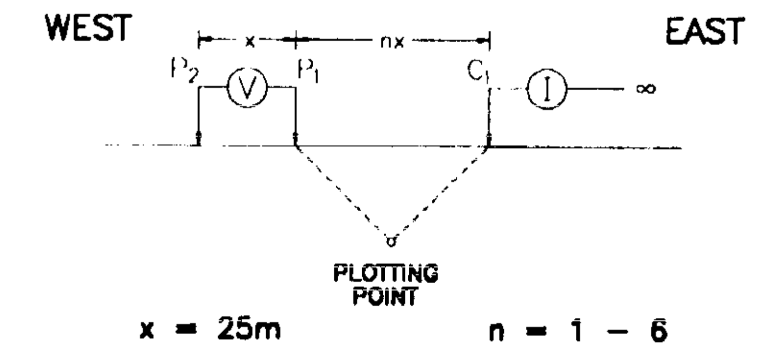
MISTY MOUNTAIN GOLD LIMITED

Sandspit Grid

Skeena Mining Division

LINE: 39200N

POLE-DIPOLE ARRAY



x = 25m   n = 1 - 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS

APP.CHARGEABILITY : 2.0 (msec)

APP.RESISTIVITY : 100 (ohm-m)

DATE SURVEYED: November 12 1997

Tx: Huntec Mk2 Model 7500

Rx: EDA IP-6

25393 2/2

LLOYD GEOPHYSICS INC

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416-S-17

17

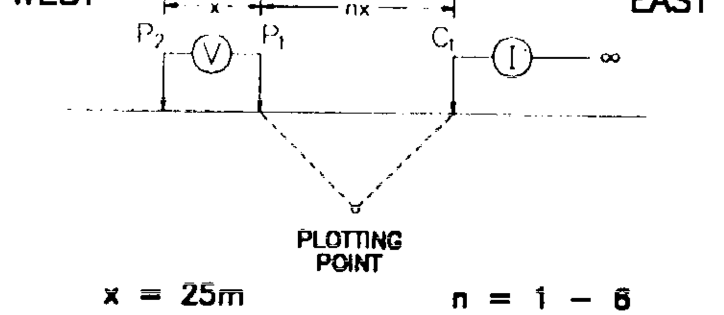
MISTY MOUNTAIN GOLD LIMITED

Sandspit Grid

Skeena Mining Division

LINE: 41000N

POLE-DIPOLE ARRAY



x = 25m   n = 1 - 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm-m)

DATE SURVEYED: November 14, 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP-6

25393 3/5

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416-S-18 (18)

MISTY MOUNTAIN GOLD LIMITED

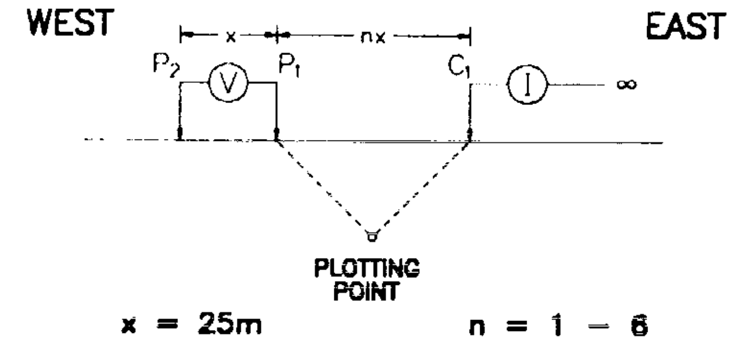
Sandspit Grid

Skeena Mining Division

LINE: 41900N

WEST PART OF LINE

POLE-DIPOLE ARRAY



x = 25m n = 1 - 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS

APP.CHARGEABILITY : 2.0 (msec)

APP.RESISTIVITY : 100 (ohm-m)

DATE SURVEYED: November 17, 1997

Tx: Huntec Mk2 Model 7500

Rx: EDA IP-6

25373 2/2

LLOYD GEOPHYSICS INC

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416-S-19

17

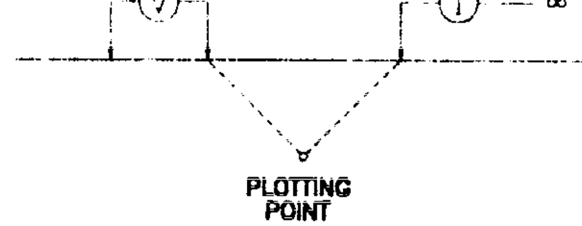
MISTY MOUNTAIN GOLD LIMITED

Sandspit Grid

Skeena Mining Division

LINE: 41900N

POLE-DIPOLE ARRAY



x = 25m n = 1 − 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm−m)

DATE SURVEYED: November 17, 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP−6

25393 2/2

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416−S−19 (20)

MISTY MOUNTAIN GOLD LIMITED

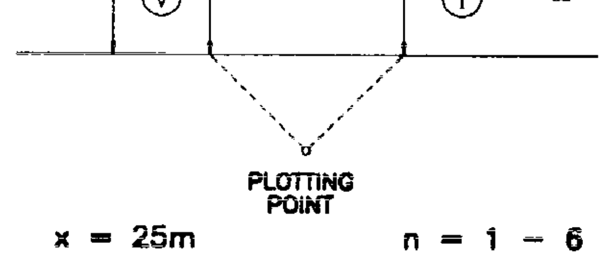
Sandspit Grid

Skeena Mining Division

LINE: 43000N

WEST PART OF LINE

POLE-DIPOLE ARRAY



x = 25m n = 1 - 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm-m)

DATE SURVEYED: November 18, 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP-6

25393 2/2

LLOYD GEOPHYSICS INC

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416-S-20 (21)

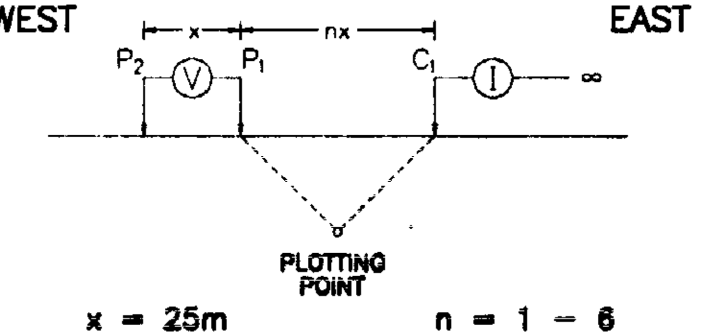
MISTY MOUNTAIN GOLD LIMITED

Sandspit Grid

Skeena Mining Division

LINE: 43000N

POLE–DIPOLE ARRAY



x = 25m n = 1 – 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm–m)

DATE SURVEYED: November 18, 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP–6

25393 2/2

LLOYD GEOPHYSICS IN

INDUCED POLARIZATION SURVEY
DRAWING NUMBER : 97416–S–20

22

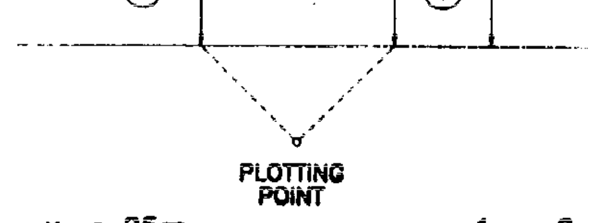
MISTY MOUNTAIN GOLD LIMITED

Sandspit Grid

Skeena Mining Division

LINE: 82500E

POLE-DIPOLE ARRAY



x = 25m n = 1 – 6

CURRENT ELECTRODE C_1 SOUTH OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE	▬▬▬
PROBABLE	■■■■■
POSSIBLE	//////
AT DEPTH	••••••••

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm–m)

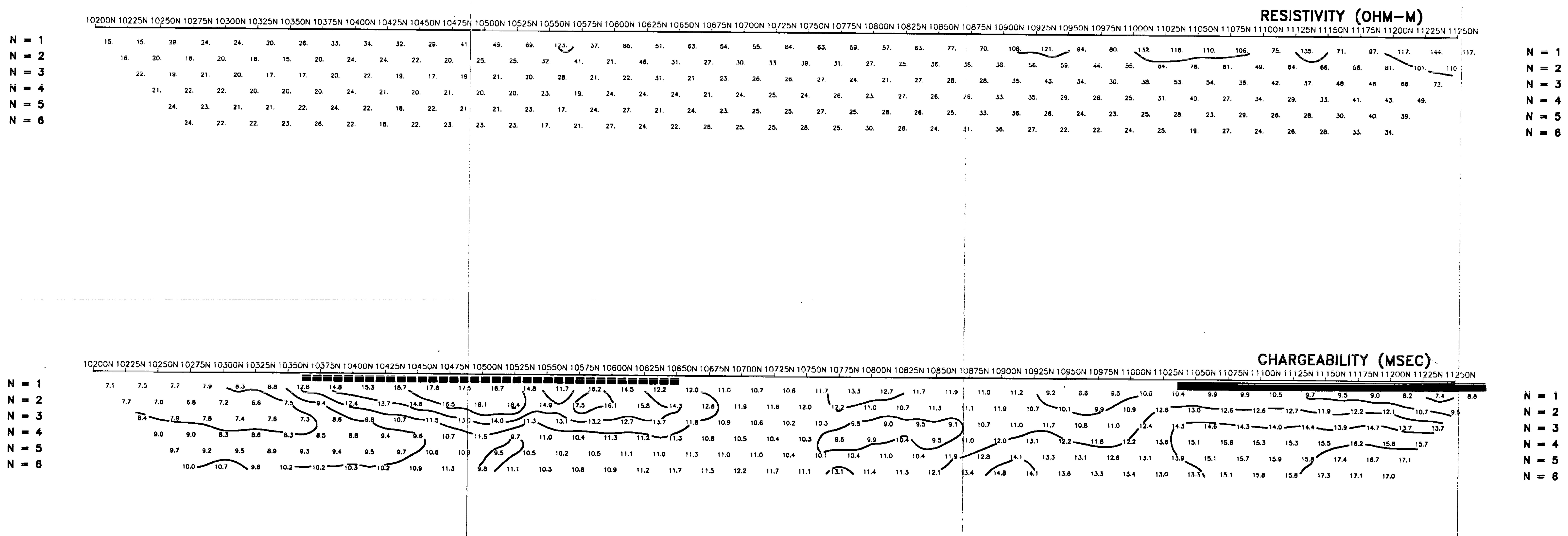
DATE SURVEYED: November 13, 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP–6

25393 2/2

LLOYD GEOPHYSICS INC

INDUCED POLARIZATION SURVEY
DRAWING NUMBER : 97416–S–21

23



MISTY MOUNTAIN GOLD LIMITED

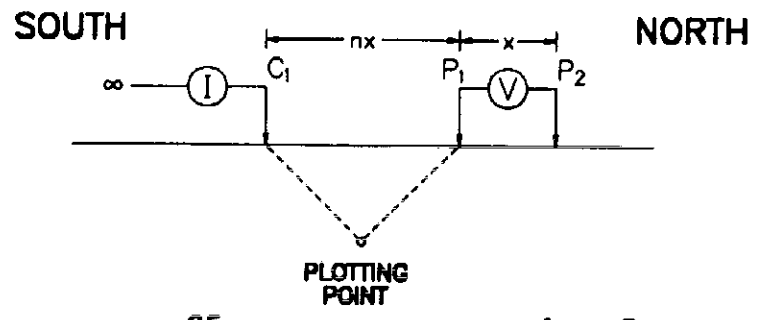
Sandspit Grid

Skeena Mining Division

LINE: 82500E

NORTH PART OF LINE

POLE-DIPOLE ARRAY



x = 25m n = 1 - 6

CURRENT ELECTRODE C_1 SOUTH OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm-m)

DATE SURVEYED: November 13, 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP-6

25393 2/2

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416-S-21

24

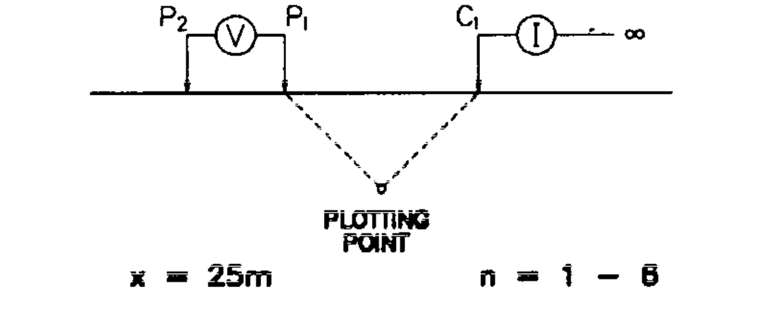
MISTY MOUNTAIN GOLD LIMITED

Feather Grid

Skeena Mining Division

LINE: 26700N

POLE-DIPOLE ARRAY



x = 25m n = 1 – 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm–m)

DATE SURVEYED: November 25 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP–6

25393 2/2

LLOYD GEOPHYSICS INC

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416–F–01

25

RESISTIVITY (OHM–M)

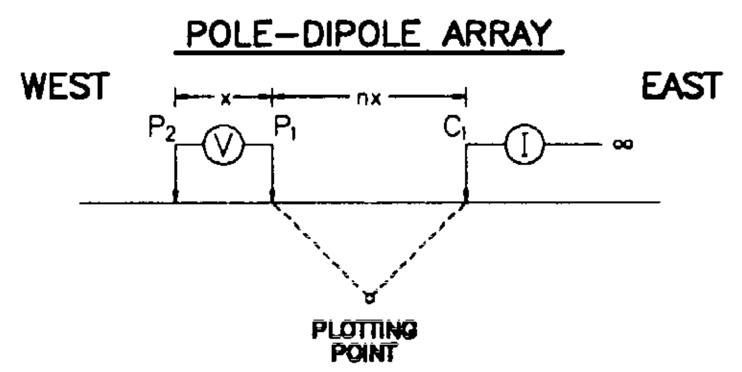
CHARGEABILITY (MSEC)

MISTY MOUNTAIN GOLD LIMITED

Feather Grid

Skeena Mining Division

LINE: 27000N



x = 25m n = 1 – 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm–m)

DATE SURVEYED: November 24 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP–6

25393 2/2

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416–F–02

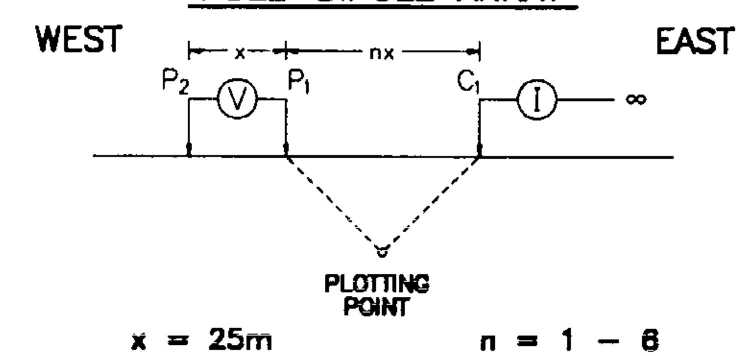
26

MISTY MOUNTAIN GOLD LIMITED

Feather Grid

Skeena Mining Division

LINE: 27350N



x = 25m n = 1 − 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS

APP.CHARGEABILITY : 2.0 (msec)

APP.RESISTIVITY : 100 (ohm−m)

DATE SURVEYED: November 21, 1997

Tx: Huntec Mk2 Model 7500

Rx: EDA IP−6

25393 2/2

LLOYD GEOPHYSICS INC

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416−F−03

RESISTIVITY (OHM-M)

CHARGEABILITY (MSEC)

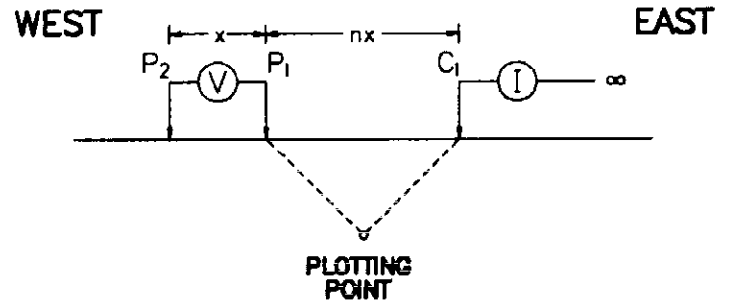
MISTY MOUNTAIN GOLD LIMITED

Feather Grid

Skeena Mining Division

LINE: 27600N

POLE-DIPOLE ARRAY



x = 25m n = 1 - 6

CURRENT ELECTRODE C_1 EAST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm-m)

DATE SURVEYED: November 20 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP-6

25393 2/2

LLOYD GEOPHYSICS INC

INDUCED POLARIZATION SURVEY
DRAWING NUMBER : 97416-F-04

28

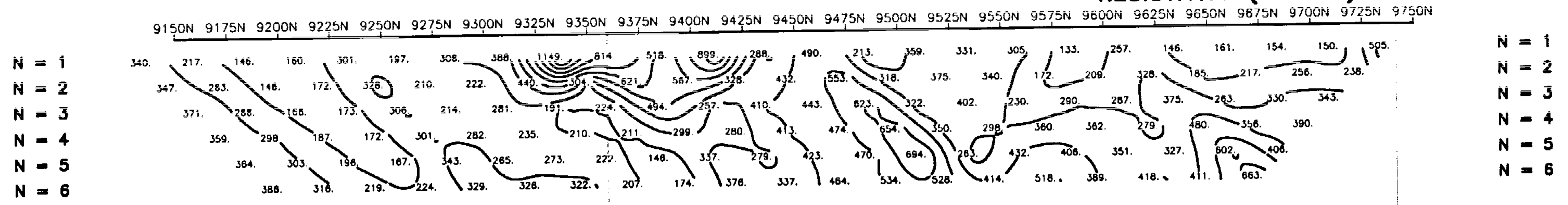
MISTY MOUNTAIN GOLD LIMITED

Amethyst Grid

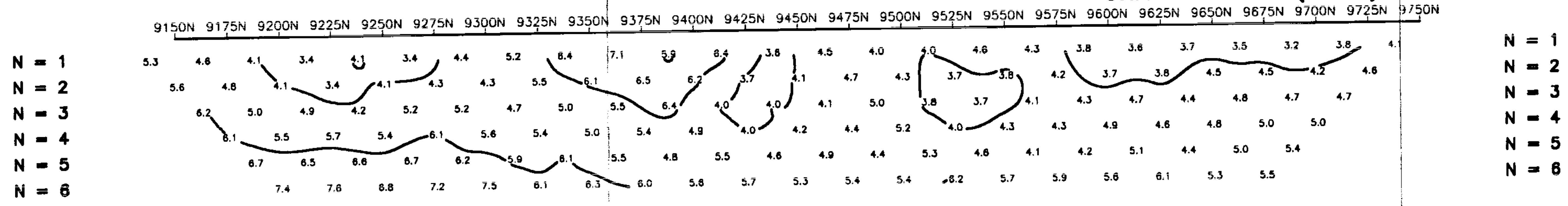
Skeena Mining Division

LINE: 6975E

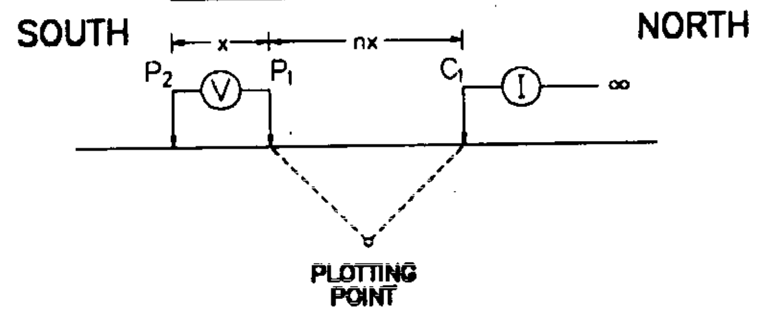
RESISTIVITY (OHM-M)



CHARGEABILITY (MSEC)



POLE–DIPOLE ARRAY



x = 25m n = 1 – 6

CURRENT ELECTRODE C_1 NORTH OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

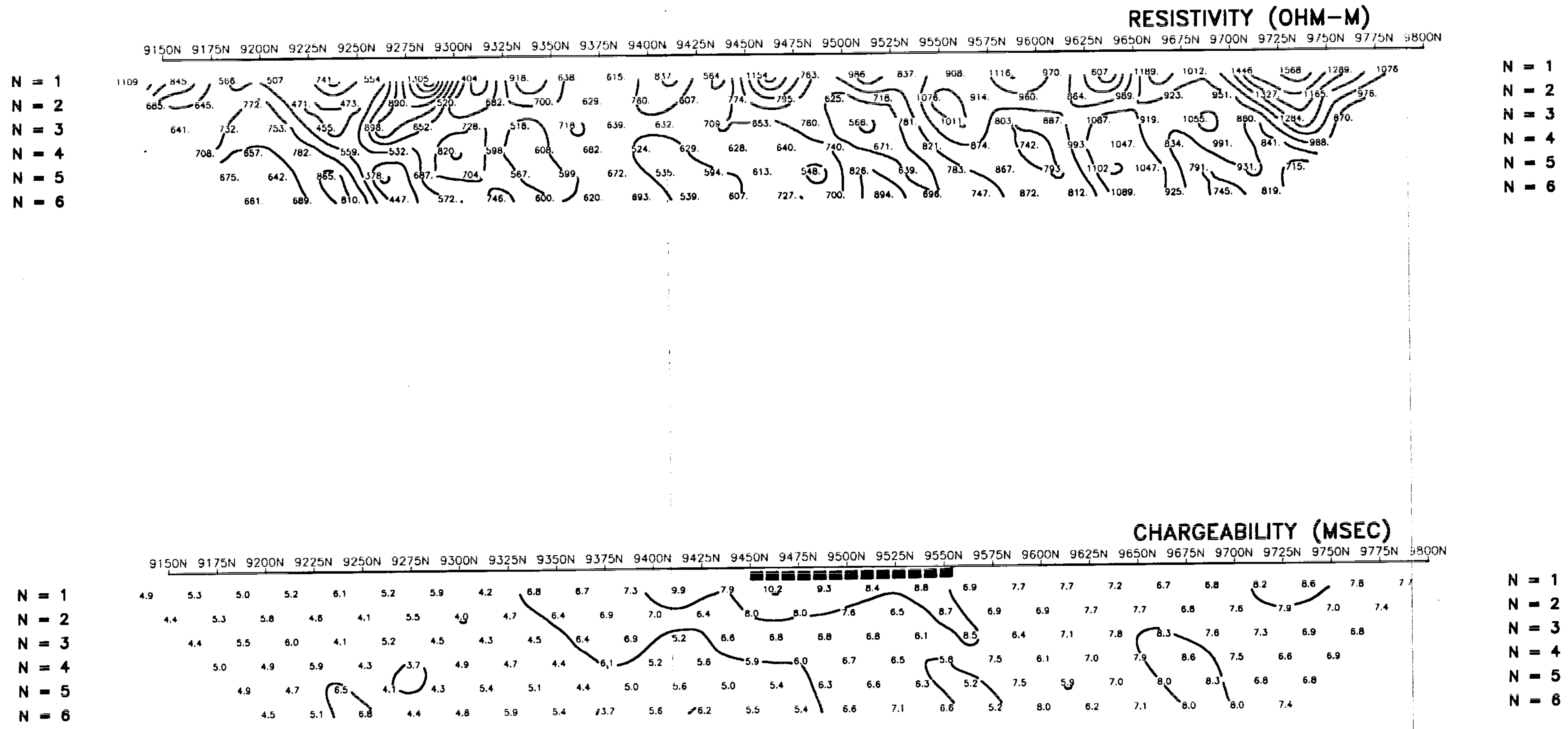
CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm–m)

DATE SURVEYED: November 15 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP–6

LLOYD GEOPHYSICS IN

INDUCED POLARIZATION SURVEY
DRAWING NUMBER : 97416–A–01

29



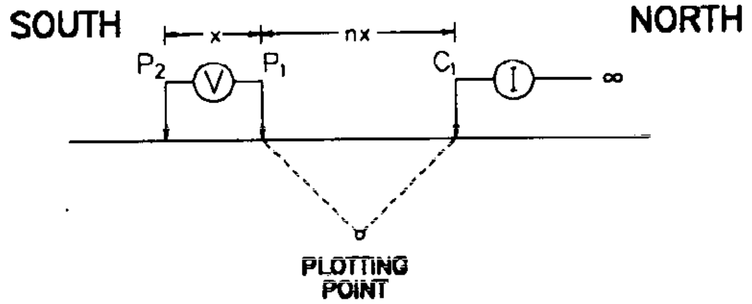
MISTY MOUNTAIN GOLD LIMITED

Amethyst Grid

Skeena Mining Division

LINE: 7275E

POLE–DIPOLE ARRAY



x = 25m n = 1 – 6

CURRENT ELECTRODE C_1 NORTH OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm–m)

DATE SURVEYED: November 16 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP–6

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416–A–02

30

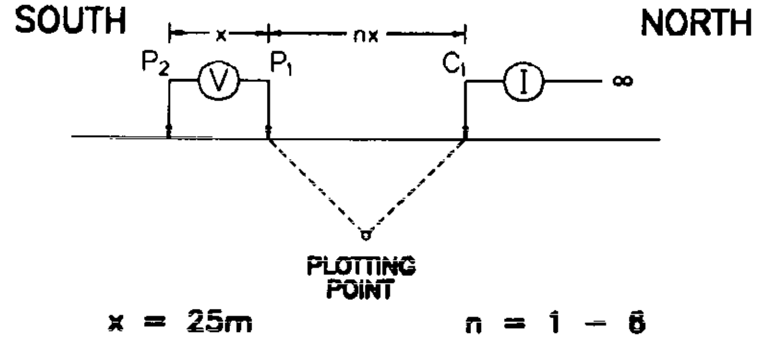
MISTY MOUNTAIN GOLD LIMITED

Amethyst Grid

Skeena Mining Division

LINE: 7700E

POLE-DIPOLE ARRAY



x = 25m   n = 1 - 6

CURRENT ELECTRODE C_1 NORTH OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

- DEFINITE
- PROBABLE
- POSSIBLE
- AT DEPTH

SCALE 1 : 2000

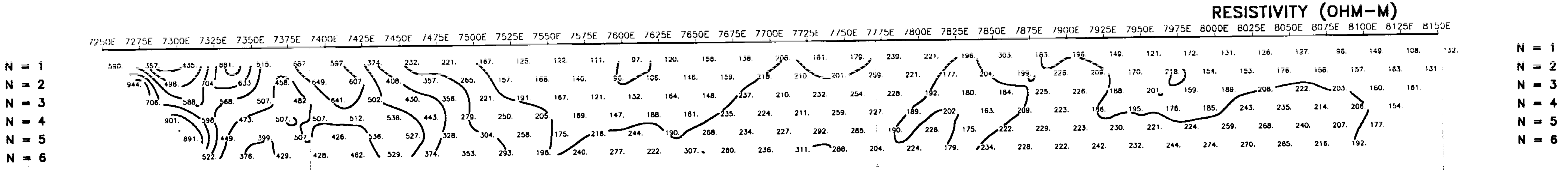
CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm-m)

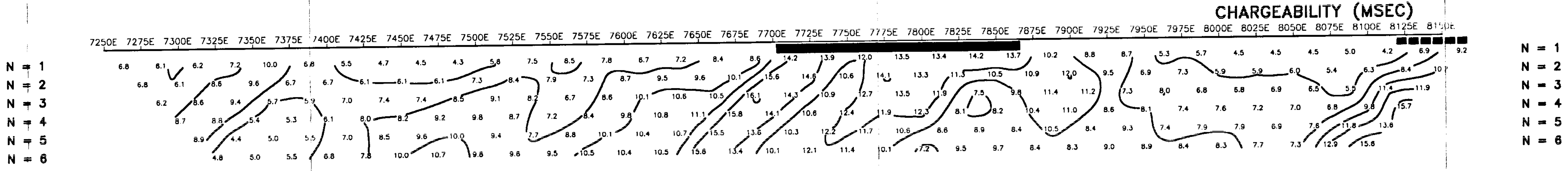
DATE SURVEYED: November 23 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP-6

25393 2/2

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY
DRAWING NUMBER : 97416-A-03 (31)





MISTY MOUNTAIN GOLD LIMITED

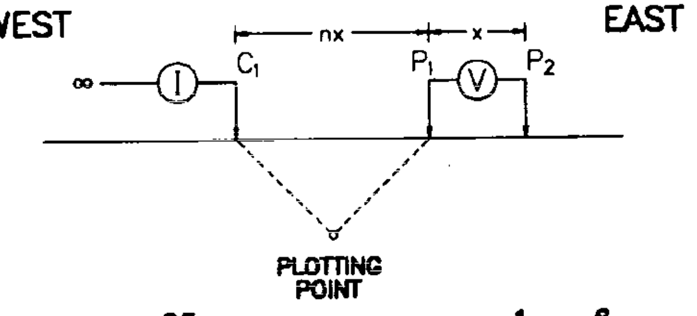
Amethyst Grid

Skeena Mining Division

LINE: 9800N

EAST PART OF LINE

POLE-DIPOLE ARRAY



x = 25m   n = 1 - 6

CURRENT ELECTRODE C_1 WEST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE
AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS
APP.CHARGEABILITY : 2.0 (msec)
APP.RESISTIVITY : 100 (ohm-m)

DATE SURVEYED: November 22 1997
Tx: Huntec Mk2 Model 7500
Rx: EDA IP-6

25393 2/2

LLOYD GEOPHYSICS INC.

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416-A-04

32

MISTY MOUNTAIN GOLD LIMITED

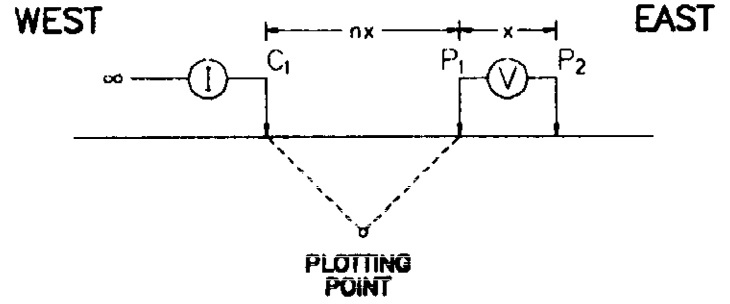
Amethyst Grid

Skeena Mining Division

LINE: 9800N

WEST PART OF LINE

POLE–DIPOLE ARRAY



x = 25m　　n = 1 – 6

CURRENT ELECTRODE C_1 WEST OF POTENTIAL DIPOLE P_1P_2

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE

POSSIBLE

AT DEPTH

SCALE 1 : 2000

CONTOUR INTERVALS

APP.CHARGEABILITY : 2.0 (msec)

APP.RESISTIVITY : 100 (ohm–m)

DATE SURVEYED: November 15 1997

Tx: Huntec Mk2 Model 7500

Rx: EDA IP–6

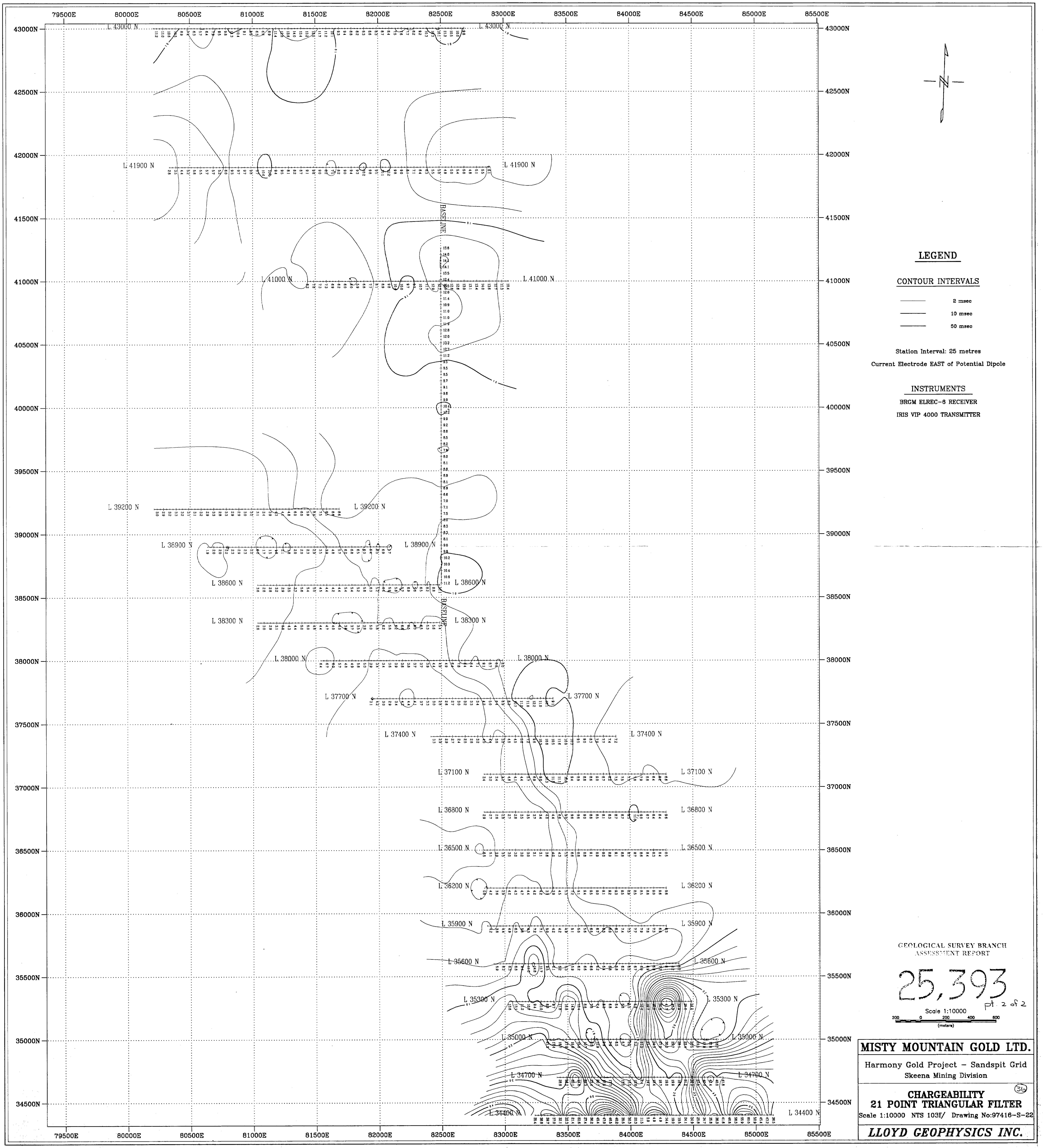
25373 2/2

LLOYD GEOPHYSICS INC

INDUCED POLARIZATION SURVEY

DRAWING NUMBER : 97416–A–05

33


LEGEND
CONTOUR INTERVALS
2 msec
10 msec
50 msec
Station Interval: 25 metres
Current Electrode EAST of Potential Dipole
INSTRUMENTS
BRGM ELREC-6 RECEIVER
IRIS VIP 4000 TRANSMITTER
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
25,393
pt. 2 of 2
Scale 1:10000
(meters)
MISTY MOUNTAIN GOLD LTD.
Harmony Gold Project - Sandspit Grid
Skeena Mining Division
36
CHARGEABILITY
21 POINT TRIANGULAR FILTER
Scale 1:10000 NTS 103F/ Drawing No:97416-S-22
LLOYD GEOPHYSICS INC.
BASELINE
L 43000 N
L 41900 N
L 41000 N
L 39200 N
L 38900 N
L 38600 N
L 38300 N
L 38000 N
L 37700 N
L 37400 N
L 37100 N
L 36800 N
L 36500 N
L 36200 N
L 35900 N
L 35600 N
L 35300 N
L 35000 N
L 34700 N
L 34400 N
79500E
80000E
80500E
81000E
81500E
82000E
82500E
83000E
83500E
84000E
84500E
85000E
85500E
43000N
42500N
42000N
41500N
41000N
40500N
40000N
39500N
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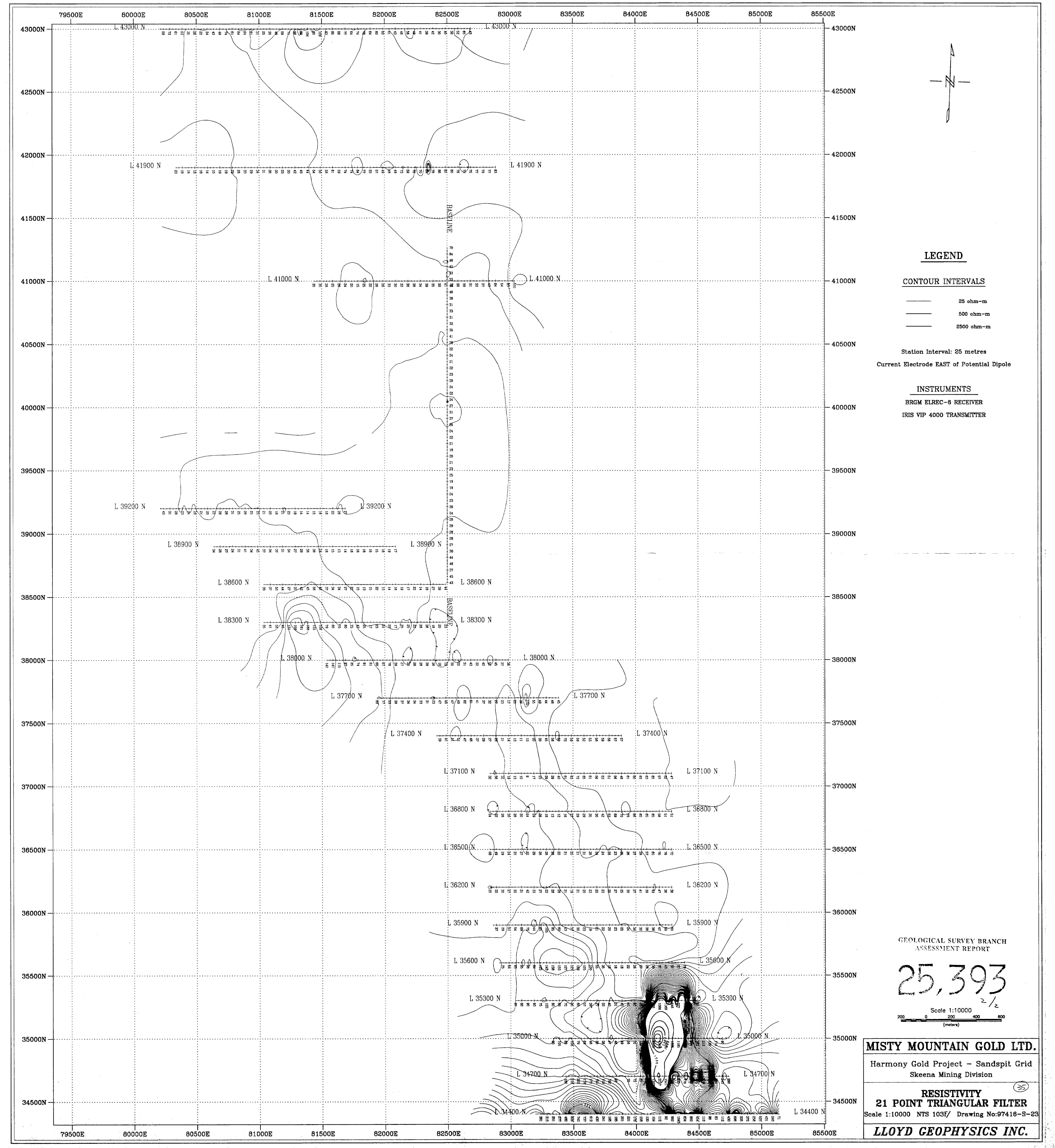
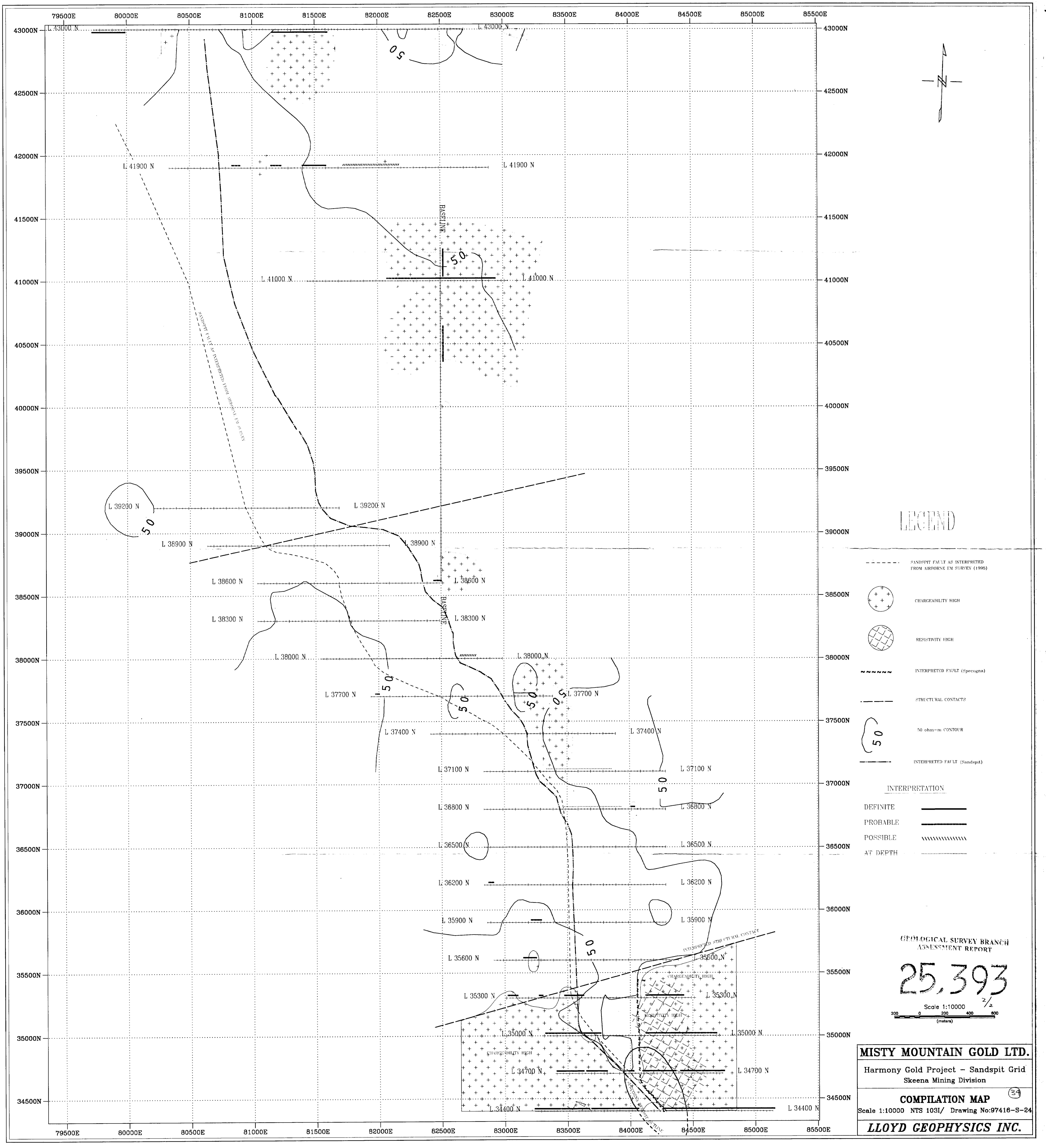
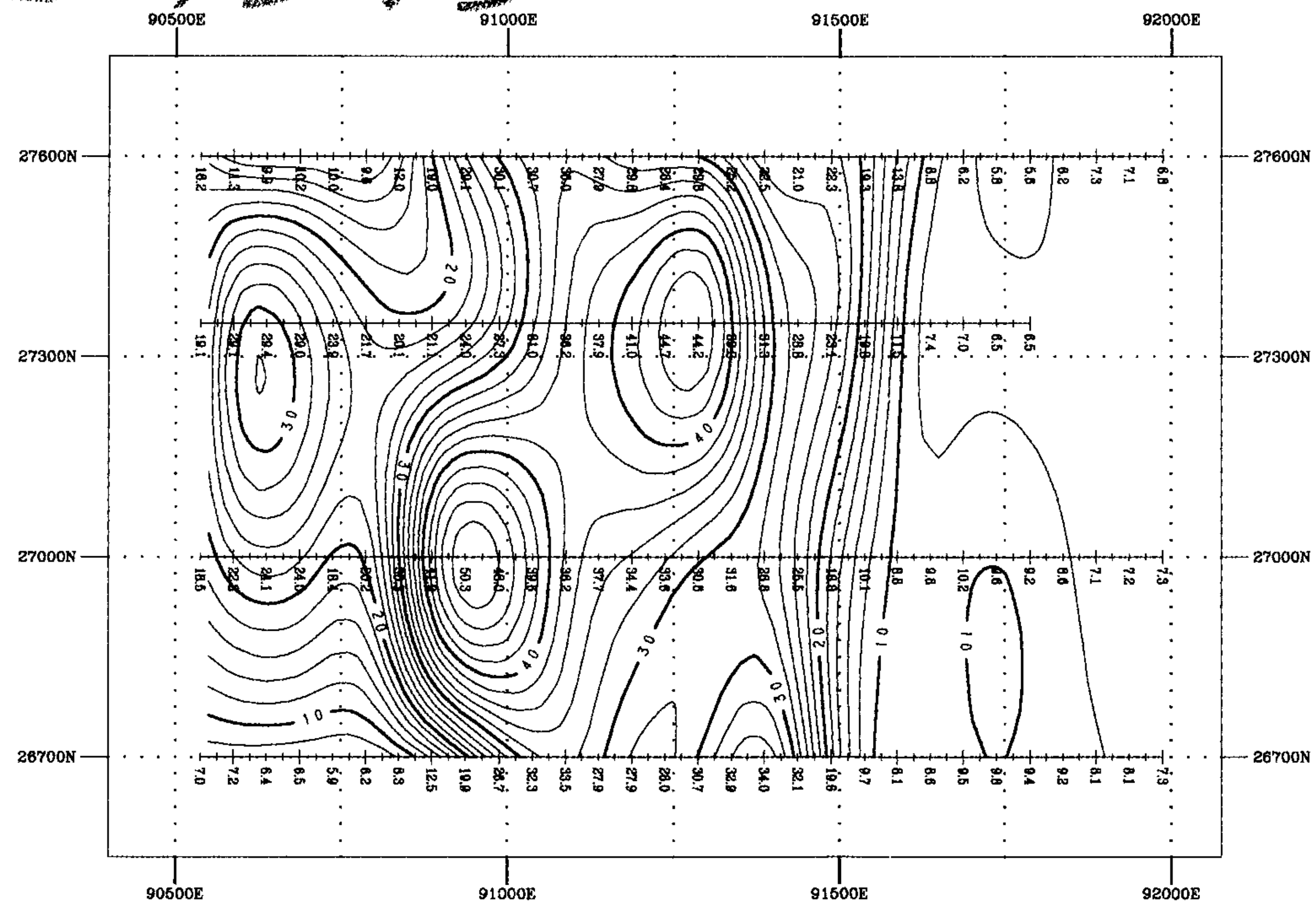
36000N
35500N
35000N
34500N


LEGEND
CONTOUR INTERVALS
25 ohm-m
500 ohm-m
2500 ohm-m
Station Interval: 25 metres
Current Electrode EAST of Potential Dipole
INSTRUMENTS
BRGM ELREC-6 RECEIVER
IRIS VIP 4000 TRANSMITTER
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
25,393
2/2
Scale 1:10000
(meters)
MISTY MOUNTAIN GOLD LTD.
Harmony Gold Project - Sandspit Grid
Skeena Mining Division
RESISTIVITY
21 POINT TRIANGULAR FILTER
Scale 1:10000 NTS 103F/ Drawing No:97416-S-23
LLOYD GEOPHYSICS INC.
BASELINE
L 43000 N
L 41900 N
L 41000 N
L 39200 N
L 38900 N
L 38600 N
L 38300 N
L 38000 N
L 37700 N
L 37400 N
L 37100 N
L 36800 N
L 36500 N
L 36200 N
L 35900 N
L 35600 N
L 35300 N
L 35000 N
L 34700 N
L 34400 N



L 43000 N
L 41900 N
BASELINE
L 41000 N
L 39200 N
L 38900 N
L 38600 N
L 38300 N
L 38000 N
L 37700 N
L 37400 N
L 37100 N
L 36800 N
L 36500 N
L 36200 N
L 35900 N
L 35600 N
L 35300 N
L 35000 N
L 34700 N
L 34400 N
50
SANDSPIT FAULT AS INTERPRETED FROM AIRBORNE EM SURVEY
INTERPRETED STRUCTURAL CONTACT
CHARGEABILITY HIGH
RESISTIVITY HIGH
LEGEND
SANDSPIT FAULT AS INTERPRETED FROM AIRBORNE EM SURVEY (1995)
CHARGEABILITY HIGH
RESISTIVITY HIGH
INTERPRETED FAULT (Specogna)
STRUCTURAL CONTACTS
50 ohm-m CONTOUR
INTERPRETED FAULT (Sandspit)
INTERPRETATION
DEFINITE
PROBABLE
POSSIBLE
AT DEPTH
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
25,393
2/2
Scale 1:10000
200 0 200 400 600
(meters)
MISTY MOUNTAIN GOLD LTD.
Harmony Gold Project - Sandspit Grid
Skeena Mining Division
34
COMPILATION MAP
Scale 1:10000 NTS 103I/ Drawing No:97416-S-24
LLOYD GEOPHYSICS INC.

25,393



LEGEND

CONTOUR INTERVALS

2 msec

10 msec

Station Interval: 25 metres

Current Electrode EAST of Potential Dipole

Scale 1:10000

(metres)

MISTY MOUNTAIN GOLD LTD.

Harmony Gold Project - Feather Grid

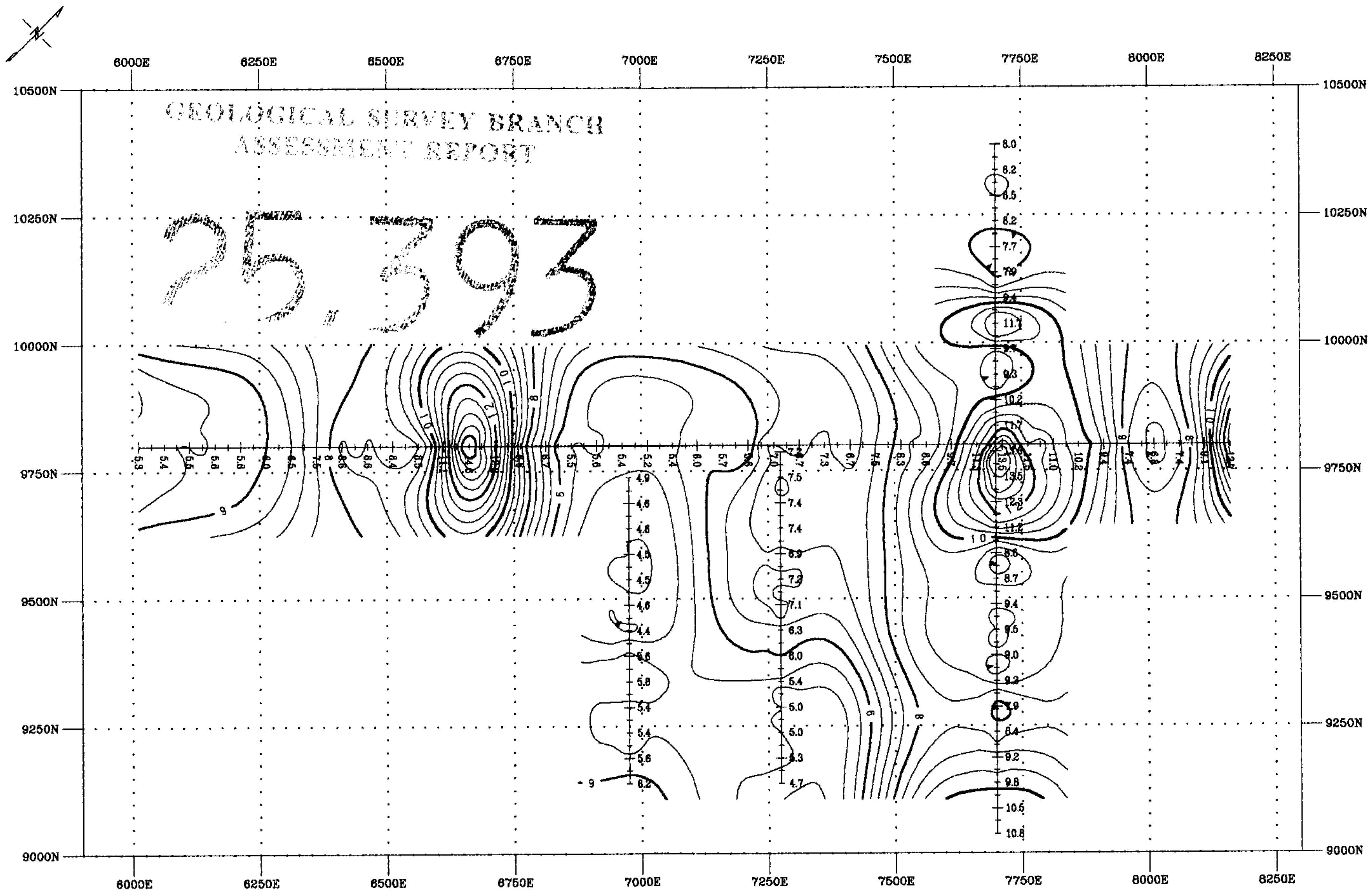
Skeena Mining Division

CHARGEABILITY
21 POINT TRIANGULAR FILTER

Scale 1:10000 NTS 103F/ Drawing No:97416-F-05

LLOYD GEOPHYSICS INC.

(57)



LEGEND

CONTOUR INTERVALS

0.5 msec

2 msec

10 msec

Station Interval: 25 metres

Current Electrode WEST/NORTH of Potential Dipole

Scale 1:10000

100 0 100 200

(metres)

MISTY MOUNTAIN GOLD LTD.

Harmony Gold Project – Amethyst Grid

Skeena Mining Division

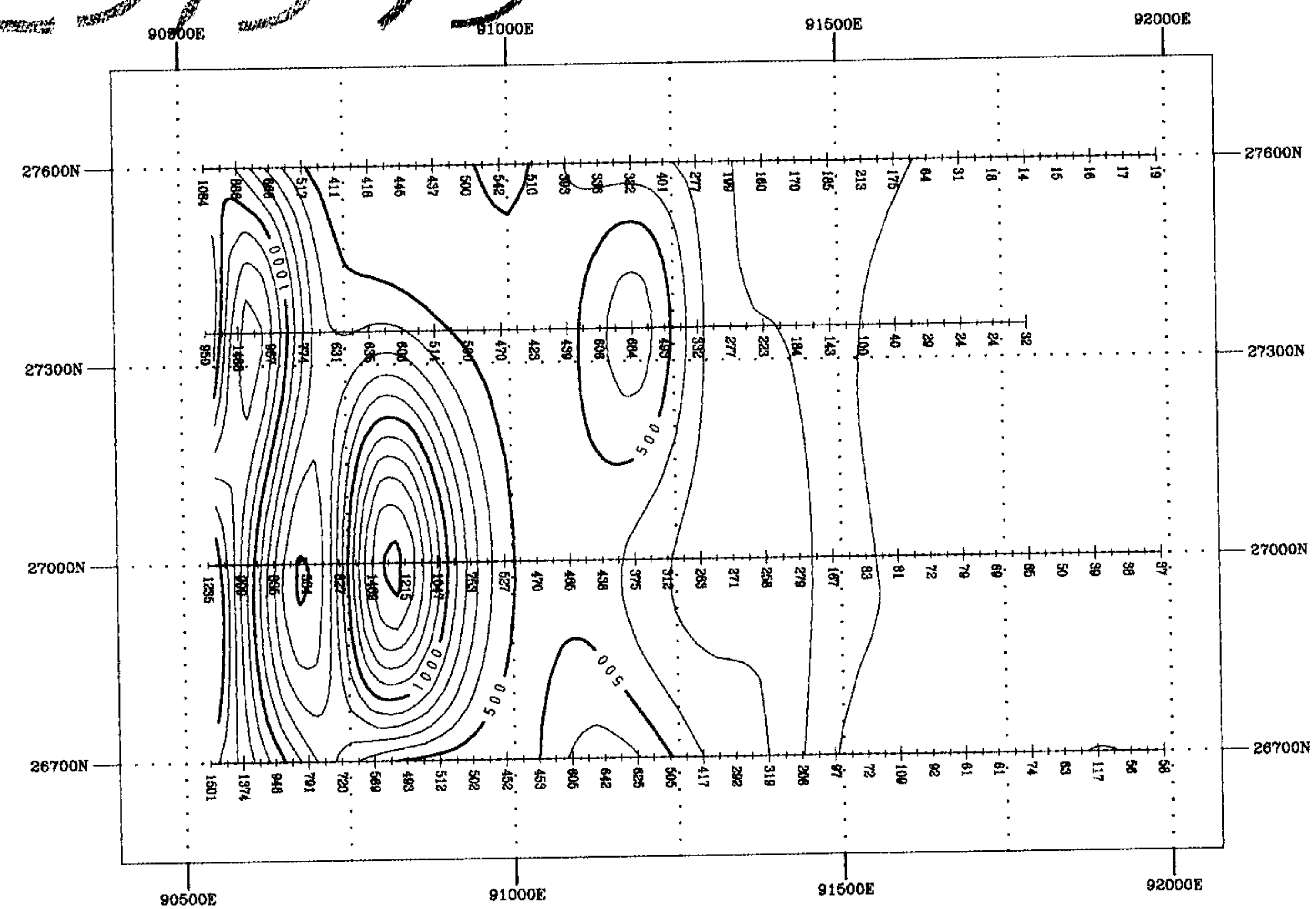
CHARGEABILITY
21 POINT TRIANGULAR FILTER

Scale 1:10000 NTS 103F/ Drawing No:97416-A-06

LLOYD GEOPHYSICS INC.

33

25,393



LEGEND

CONTOUR INTERVALS

100 ohm-m

500 ohm-m

Station Interval: 25 metres

Current Electrode EAST of Potential Dipole

Scale 1:10000

100 0 100 200

(metres)

MISTY MOUNTAIN GOLD LTD.

Harmony Gold Project - Feather Grid

Skeena Mining Division

RESISTIVITY
21 POINT TRIANGULAR FILTER

Scale 1:10000 NTS 103f/ Drawing No:97416-F-06

LLOYD GEOPHYSICS INC.

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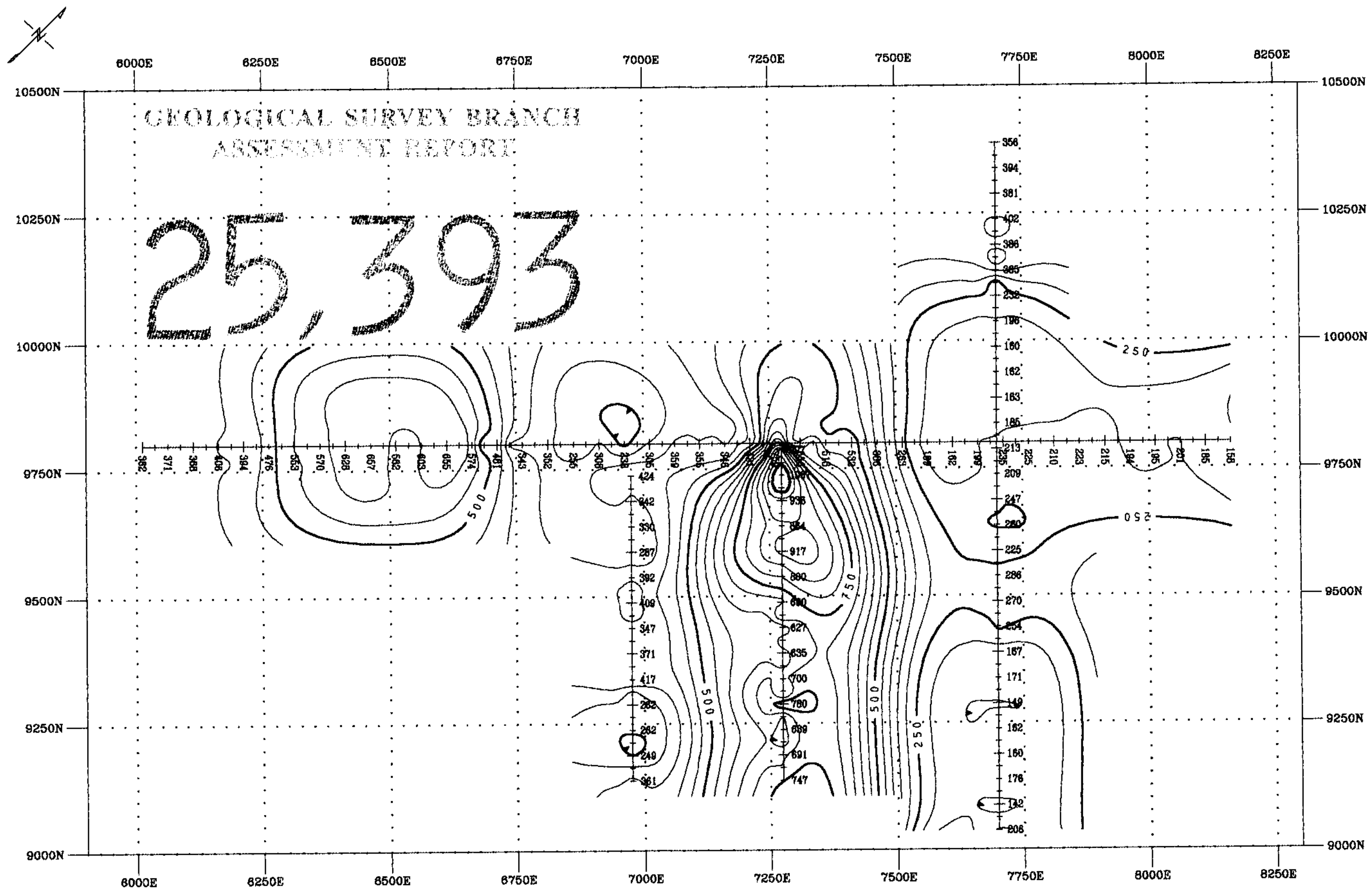

LEGEND

CONTOUR INTERVALS

50 ohm−m

250 ohm−m

1000 ohm−m

Station Interval: 25 metres

Current Electrode WEST/NORTH of Potential Dipole

Scale 1:10000

100 0 100 200

(metres)

MISTY MOUNTAIN GOLD LTD.

Harmony Gold Project − Amethyst Grid

Skeena Mining Division

RESISTIVITY

21 POINT TRIANGULAR FILTER

Scale 1:10000 NTS 103I/ Drawing No:97416−A−07

LLOYD GEOPHYSICS INC.

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