

ARIS SUMMARY SHEET

District Geologist, Smithers

Off Confidential: 90.02.27

ASSESSMENT REPORT 18463

MINING DIVISION: Omineca

PROPERTY: Trac Lake
LOCATION: LAT 54 24 00 LONG 126 35 00
UTM 09 6030502 656879
NTS 093L07E

CAMP: 041 New Nadina - Equity Area

CLAIM(S): Trac Lake, Trac Lake 5-7, Coramar
OPERATOR(S): Amanda Res.
AUTHOR(S): Whiting, F.B.
REPORT YEAR: 1989, 41 Pages
COMMODITIES
SEARCHED FOR: Copper, Zinc, Gold, Silver, Lead
KEYWORDS: Jurassic, Hazelton Group, Rhyolite

WORK
DONE: Geophysical, Physical
EMGR 6.5 km; HLEM
LINE 12.4 km

MINFILE: 093L 011

LOG NO	0301	PG.

GEOPHYSICAL AND GRIDING REPORT

TRAC LAKE GROUP: Trac Lake #1-#2-#7,
Coramar, Trac. Fraction, Trac #3-4-
-5-6 M.Cs.

FILMED

Omineca M.D.

NTS : Sheet ^{93 L 7 E} ~~92 J 15 W~~

Coords.: N 6030000 m, E 657500 m.

Lat. 54° 24' N; Long. 126° 35' W.

OWNERS: Amanda Resources Ltd.
Francis B. Whiting

OPERATOR: Amanda Resources Ltd.

CONSULTANTS: Tom Richards Prospecting Ltd.
Interpretex Resources Ltd.

AUTHOR: F.B. Whiting
(Of attached report : L.M. Bzdel,
E.R. Rockel).

Date Submitted: February 27, 1989.

SUB-RECORDER
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FEB 27 1989
M.R. # \$
VANCOUVER, B.C.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,463

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APPENDIX: Report on Vertical Loop Survey
on the Trac Lake Property, Omineca
M.D., Houston Area: by Interpretex
Resources Ltd. : bound separately
and accompanying this report.

Illustrations:

- Fig. 1: Location Map
- Fig. 2: Index Map and Claim Map
- Fig. 3: Grid Lines Done

A. INTRODUCTIONLOCATION & ACCESS:

The Trac Lake Group is situated 4.5 km due east of Houston, B.C. (about 7 km by road) and can be reached by the Mud Lake logging road. Access to the southern portion of the property is by a logging road that branches from the Equity Silver road at Km 5. Figure 1 is the Location Map.

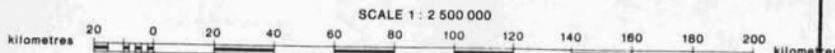
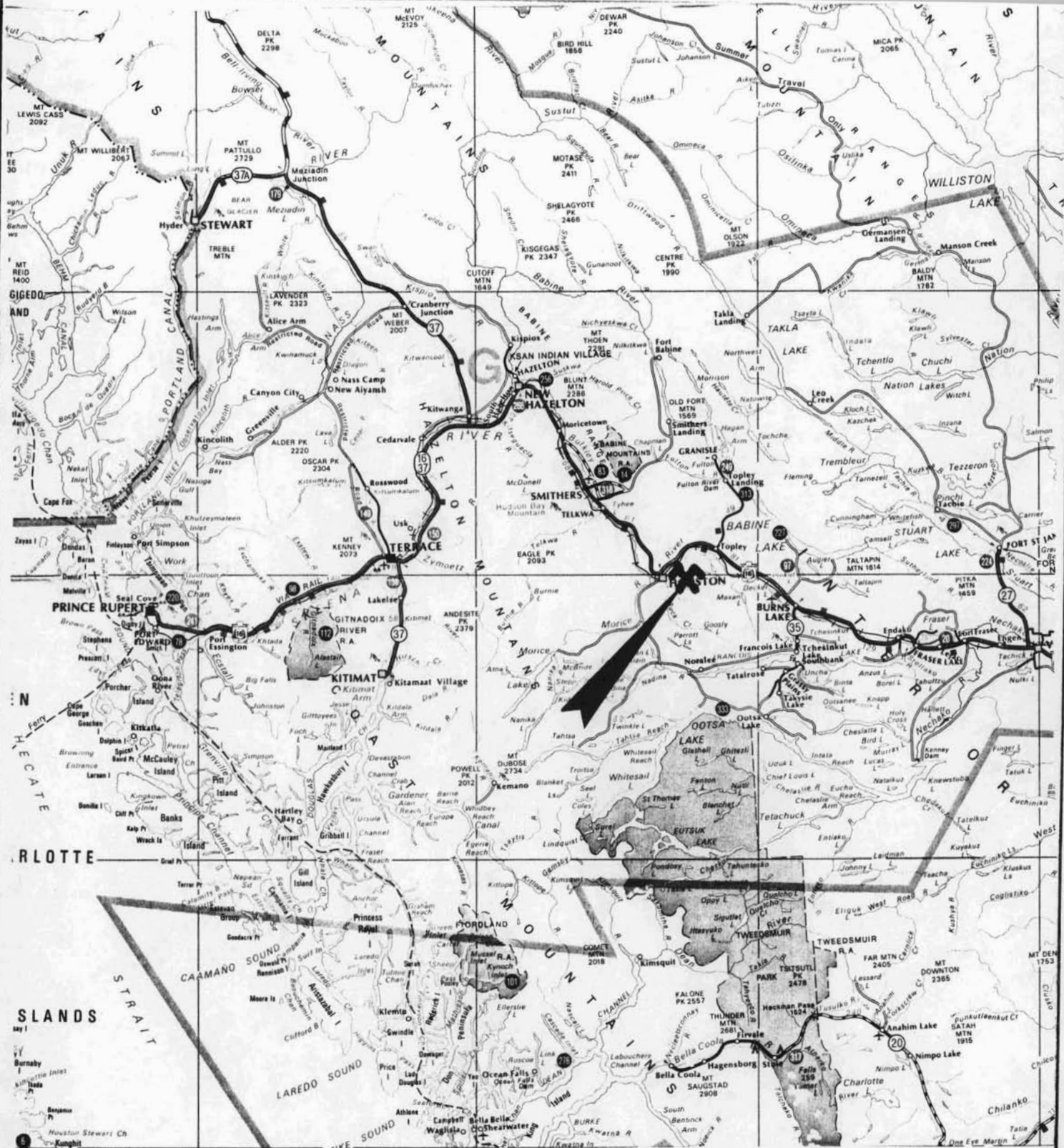
PROPERTY, HISTORY, OWNERS, OPERATOR, ECONOMIC ASSESSMENT:

The property consists of the following claims:
Trac Lake #1-#2 & #7, Rec. #s 4910(11)-4911(11)-7971(10)
Trac Fraction Rec. # 6325(6)
Coramar Rec.# 6324(6)
Trac #3-4-5-6 Rec. #s 6851(2)-6852(2)-7099(6)-7100(6).
The total is 56 units and 5 2-Post (or Frac.) claims.

The claims were staked by or for F.B. Whiting and (Coramar M.C. only) Cora A. Whiting in 1982-84-85-86. They cover showings west of Mud Lake and north of Dungate Creek that formerly were owned by a succession of owners, and had been subjected to geological mapping, geophysical surveys and drilling in the late 1960s to late 1970s. Most of the drilling was done in the southern portion of the property on a porphyry plug carrying weak copper-molybdenum mineralization with traces of lead, zinc, gold and silver. The showings near Mud Lake carry copper, lead, zinc, fluorite and some silver. Some of the claims were held by Orion Resources Ltd. which optioned those to Amanda Resources Ltd.

The current owners are Amanda Resources Ltd. and F.B. Whiting (whose claims are under option to Amanda Resources Ltd.)
The Operator is Amanda Resources Ltd.

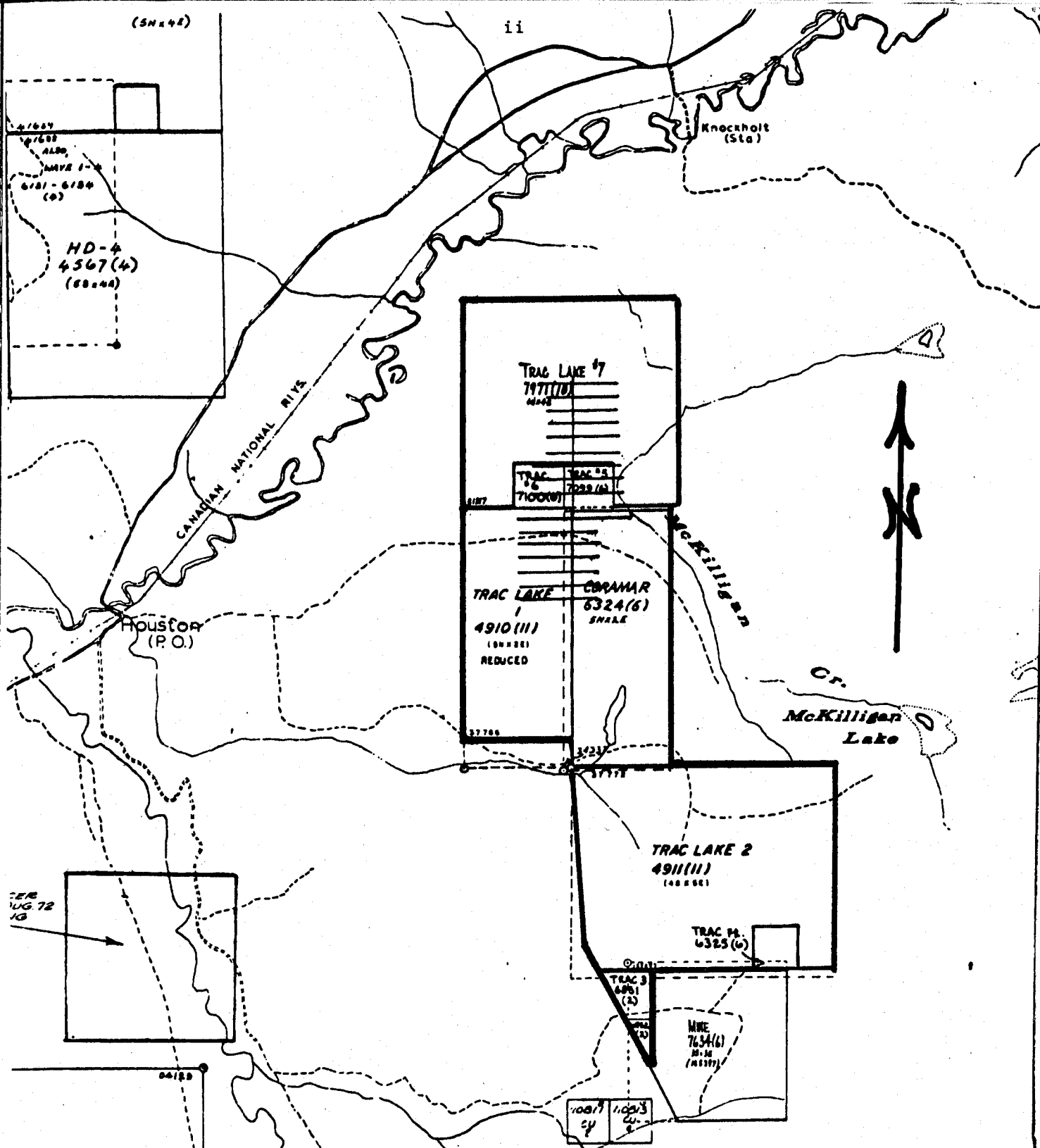
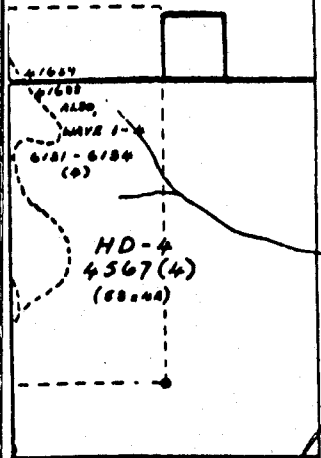
The economic potential of the Trac Lake Group rests upon two distinct geological environments. In the northern or Mud Lake sector there is a belt of Jurassic Hazelton rhyolite breccias interpreted as being an explosive volcanic pile. Persistent conductors



AMANDA RESOURCES LTD.
TRAC LAKE GROUP.
 FIG. 1
 Location Map
 F. Whiting. Feb. 27/89.

(5N42)

ii



SEE
FIG. 2
10

AMANDA RESOURCES LTD.
TRAC LAKE GROUP.

FIG. 2

INDEX MAP & CLAIM MAP

F. Whiting

Feb. 27/89.

may indicate the presence of stratabound sulphide layers, possibly carrying significant amounts of copper-lead-zinc-silver. The best known conductor has been followed for a strike length of 1000 m , open at both ends. In the southern sector there is an un-tested I.P. chargeability high adjacent to the Dungate Creek plug. This could be caused by a mineralized breccia mass or vein stockwork carrying copper, lead, zinc, gold and silver. Figure 2 is the combined Index Map and the Claim Map, upon which is superimposed the geophysical grid.

WORK DONE:

A survey grid had been established in 1986 with a north-south base line and east-west crosslines at 200-m separations. A VLF-EM survey by Interpretex Resources Ltd, coupled with a magnetic survey, found one long conductor extending NNW from Mud Lake, and several short conductors farther west. Recent logging activities had destroyed most of the northern portion of that grid, so in preparation for a detailed electromagnetic survey aimed at confirming the presence of the VLF-EM conductors, and determining their directions of dip (so as to pick out the best drill sites, directions and angles), the north part of the grid had to be re-established. Tom Richards Prospecting Ltd. of Smithers, B.C. was contracted to re-establish the north part of the base line and parts of existing cross lines at 200-m separations, and to put in fill-in lines at 100-m separations. Their work totalled 12450 m, flagged and picketed at 25m spacings. They also noted where grid lines crossed logging roads. After the detailed grid had been marked out Interpretex Resources Ltd., a geophysical consulting firm, carried out a vertical-loop electromagnetic survey over the locations of the earlier VLF-EM conductors. The report by Interpretex Resources Ltd. is given in the Appendix. The Vertical Loop survey covered a selected 6.5 km of detailed lines. This survey confirmed the presence of the main "A" conductor which was found on every line from 2400 N to 3400 and is open both to the south and the northwest. There are no outcrops

5 W 4 W 3 W 2 W 1 W 0 1 E 2 E 3 E 4 E 5 E 34 N



TRAC LAKE #7 M.C.

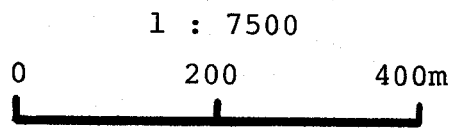
TRAC LAKE # 7 M.C.

TRAC # 6 M.C.

TRAC # 8 M.C.

TRAC LAKE # 1 M.C.

CORAMAR M.C.



Claim Boundaries

OLD B/L.

#2 #2

#1 #1

AMANDA RESOURCES LTD.
TRAC LAKE GROUP

FIG. 3

GRID LINES DONE

F. Whiting

Feb. 27/89.

along the length of the anomaly.

In summary, the gridding totalled 12450 m and the E.M. survey covered 6.5 km of lines.

B. DETAILED TECHNICAL DATA & INTERPRETATION

For this, refer to the report by Interpretex Resources Ltd. which is attached as the APPENDIX. In summary, the "A" conductor was detected on every cross-line from 2400 N to 3400 N and is open at both ends.

C. ITEMIZED COST STATEMENT

Gridding

Labor costs:

F.B. Whiting : Nov. 9/88: 1 day @ \$ 300.....	\$ 300
Sam Watling : Nov. 9, 10(1/2), Nov. 22-27/88 = 7.5 days @ \$ 227/day.....	\$ 1646
S. Soby : Nov. 22-27/88: 6 days @ \$ 220.....	\$ 1320
R. Clark: Dec. 2/88: 3.5 hours @ \$12/hr.....	\$ 42
D. Tetreau: Dec. 1-2/88: 16.5 hours @ \$ 30/hr.....	\$ 495
S. Evans: Dec. 2/88: 3 hrs @ \$ 16/hr.....	\$ 48

Other costs:

Accommodation: 6 nights @ \$40.67	\$ 244
Gasoline.	\$ 99
Field supplies	\$ 300
Groceries	\$ 111
Meals	\$ 136
Vehicle rentals: 3 days @ \$ 40 + 4 days @ \$55 . . .	\$ 325

Total Costs: \$ 5066

Vertical Loop Survey:

Mobilization/demobilization:

Personnel:

Lawrence Bzdel: Dec.9/88: 1 day @ \$200 \$ 200
 Ed Rockel: Dec.9/88: 1 day @ \$ 330 \$ 330
 Air fares etc \$ 1210
 Sub-total..... \$ 1760

Field Work:

Personnel:

Lawrence Bzdel: Dec.10-12/88: 3 days @ \$ 200 . . \$ 600
 Ed Rockel: Dec.10-12:3 days @ \$ 330 \$ 990
 Vehicle, accomodation, meals Dec.10-12..... \$ 270
 Sub-total..... \$ 1860

Interpretation & Geophysical Report:

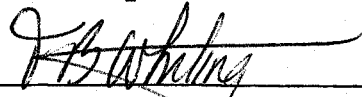
Personnel:

Lawrence Bzdel:Jan.19,20,24-26 /89 & Feb.6/89
 6 days @ \$ 200 \$ 1200
 Ed Rockel: Jan.26/89 1 day @ \$ 330 \$ 330
 Map preparation, report writing, copying \$ 195
 Sub-total.....\$ 1725
Total Costs, Geophysical Survey.....\$ 5345

Assessment Report

F.B. Whiting : Feb. 24-24/89: 2 days @ \$300 \$ 600
 Map prints, report copies, binders \$ 53
Assessment Report : Total.....\$ 653
 TOTAL PROGRAM COSTS.....\$ 11,064
 =====

Respectfully submitted:


 F.B. Whiting, P.Eng.

D. AUTHOR'S QUALIFICATIONS

This is to certify that :

1. I am a graduate in Geological Engineering from the University of British Columbia, 1946; received the degree of Master of Science in Geology from McGill University in 1948; and received the degree of Ph.d. in Geology and Economics from the Mass. Inst. of Technology in 1951.
2. I have practised my profession of geological engineer since 1946, as exploration assistant, field geologist, mine geologist, chief geologist, exploration manager and regional manager for Hedley Mascot Gold Mines, New Jersey Zinc Explorations, St. Joseph Lead Co., Cia. Minera Aguilar, Brascan Resources Ltd., and Arrow Inter-America Corp, up to 1976.
3. Since 1977 I have been President of Whiting Mining Services International Ltd., a mining service firm, with consulting activities in Canada , the U.S.A. and Brazil.
4. I am a registered member in good standing of the Assoc. of Prof. Engineers of B.C., and of the Assoc. of Prof. Engs. of the Yukon.
5. I am President of Orion Resources Ltd. and of Amanda Resources Ltd.



F.B. Whiting

APPENDIX

file name: RPT88622

REPORT ON
VERTICAL LOOP SURVEY

ON THE TRAC LAKE PROPERTY
OMINECA MINING DIVISION
HOUSTON, BRITISH COLUMBIA

FOR
AMANDA RESOURCES LTD.

BY
INTERPRETEX RESOURCES LTD.

Vancouver, B.C.
January, 1989

Project #88622
L.M. Bzdel
E.R. Rockel

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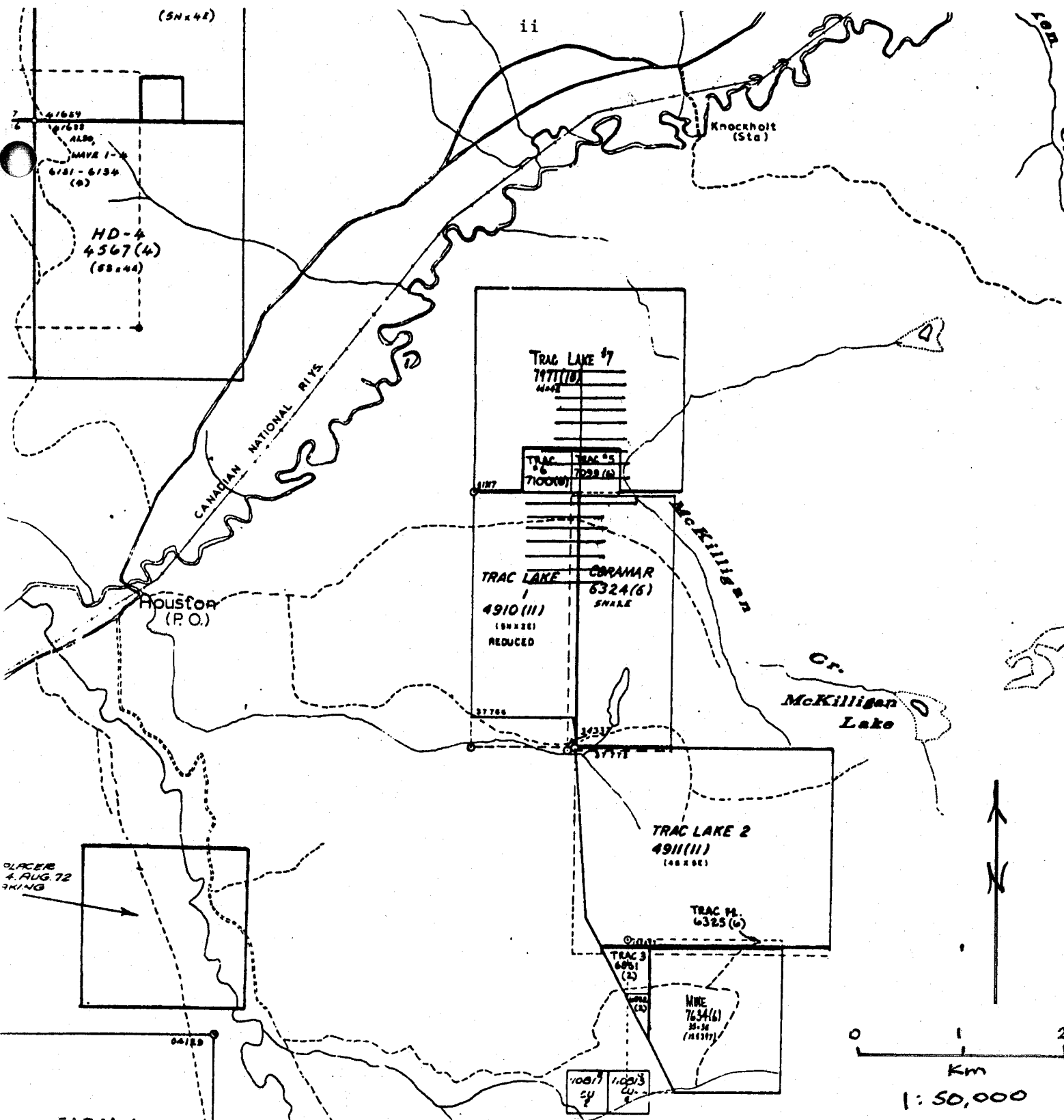
FIGURE #	MAP	LOCATION IN REPORT
1	Location and Claim Map	Page ii
2	Vertical Loop Profiles High Frequency (2400 Hz.)	Map Pocket
3	Vertical Loop Profiles Low Frequency (600 Hz)	Map Pocket

LIST OF TABLES

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1	Transmitter Locations	4

(5N x 4E)

ii



AMANDA RESOURCES LTD.

LOCATION AND CLAIM MAP

TRAC LAKE PROPERTY

TO ACCOMPANY REPORT BY E.R. ROCKEL

IR INTERPRETEX
RESOURCES LTD.

SCALE: 1" = 1/2 mi	DATE: Jan/89
PROJECT 88622	FIGURE NO. 1
N.T.S. 931/7E	DRAWN BY

45-5W

0

1. SUMMARY

The vertical loop electromagnetic survey has delineated two conductive trends within the survey area. Conductor A has a strike length of 1000 meters within the grid area, and appears to be open to the north and south. The long strike length of this conductor suggests a bedrock structure. The relatively strong responses of the high frequency may indicate associated mineralization.

Conductor B exhibits a poor response on the high frequency and is believed to represent conductive overburden along a topographic depression.

Geophysical targets recommended for additional investigation are:

1. L 32+00 N, 0+50 E
2. L 31+00 N, 0+75 E
3. L 30+00 N, 1+25 E
4. L 33+00 N, 0+40 E.

2. MINERAL CLAIMS

Claim Name	Record Number	Expiry Date	Owner	Number of Units
Trac Lake #1	4910	Nov. 17/89	F.B. Whiting	10
Trac Lake #2	4911	Nov. 17/89	F.B. Whiting	20
Coramar	6324	June, 28/91	Amanda Res. Ltd.	10
Trac Fraction	6325	June, 28/90	F.B. Whiting	1
Trac #3	6851	Feb. 27/91	Amanda Res. Ltd.	1
Trac #4	6852	Feb. 27/91	Amanda Res. Ltd.	1
Trac #5	7099	June, 20/92	F.B. Whiting	1
Trac #6	7100	June, 20/92	F.B. Whiting	1
Trac Lake #7	7971	Oct. 7/91	Amanda Res. Ltd.	16

3. INTRODUCTION

3.1 General

A vertical loop electromagnetic (VLEM) survey was carried out on a single grid located approximately 7 km. northeast of Houston, B.C. during December, 1988.

3.2 Objectives

- to determine the significance of previously established VLF-EM conductor trends using the low frequencies of the vertical loop method.
- to approximately determine attitude and depth of the conducting source using theoretical curves.

3.3 Method

The vertical loop survey was conducted using the set-up method. The survey was carried out on a refurbished portion of a previously established grid.

3.4 Location

- Omineca Mining Division
- Trac Lake Grid - Trac Lake Group (see section 2. MINERAL CLAIMS)
- NTS 93 L/7E
- Lat. 54 deg. 24 min. North
- Long. 126 deg. 35 min. West

3.5 Access

Access to the Trac Lake property was by four wheel drive truck from Houston, B.C. via the Mud Lake Road.

3.6 Operations and Communications

- personnel and equipment were mobilized from Vancouver, B.C. by plane, and from Smithers, B.C. by truck.
- accommodation for personnel was at the Upland Motel, west of Topley, B.C.
- food was obtained at the Upland Motel.
- communications were by land line telephone from the Upland Motel.
- field communications were by Motorola HT-90 transceivers.
- a four wheel drive truck was used to carry personnel and equipment into the grid area and for transportation within the survey grid.

3.7 Physiography

The topography of the survey area was moderate with a few steep slopes. Vegetation consisted primarily of fir and pine. Extensive logging has taken place on the grid.

3.8 Previous Work

In 1986 magnetic and electromagnetic (VLF-EM) surveys were carried out on the Trac Lake property (Rockel, 1986).

4. SURVEY SPECIFICATIONS

4.1 Survey Parameters

- survey line separation - 100 m.
- survey station spacing - 25 m. on all survey lines
- horizontal control - lines were surveyed by compass
 - stations were located using wooden pickets sprayed red and marked with metal tags
- baseline direction - north-south
- survey lines were perpendicular to the baseline
- vertical loop survey total was 6.5 km.

4.2 Equipment Parameters

- a McPhar VHEM vertical loop electromagnetic system was used to carry out the survey
- all survey lines were read using the high frequency (2400 Hz.), and selected lines were read using both frequencies (600 Hz. and 2400 Hz.)
- the dip angle was measured in degrees.

4.3 Equipment Specifications - see Appendix III

5. DATA

5.1 Calculations

Estimates of the dip and depth to the top of conductor were carried out using a scheme devised by Grant and West (1965).

5.2 Presentation

- the profiles of the dip angle for the high and low frequencies are presented at scale of 1:5000 on Figure # 2 and Figure # 3 respectively.
- the transmitter locations for each survey line are listed below in Table #1.

TABLE #1: Transmitter Locations

Line #	Stations Read	Transmitter Location
34+00 N	2+00 E - 1+75 W	L 33+00 N, 0+40 E
33+00 N	2+00 E - 1+25 W	L 32+00 N, 0+50 E
32+00 N	2+50 E - 1+00 W	L 31+00 N, 0+75 E
31+00 N	3+00 E - 0+50 W	L 30+00 N, 1+25 E
30+00 N	3+50 E - BL 0	L 29+00 N, 1+70 E
29+00 N	3+75 E - BL 0	L 28+00 N, 2+00 E
28+00 N	4+00 E - BL 0	L 27+00 N, 2+10 E
27+00 N	4+00 E - 0+25 E	L 26+00 N, 2+25 E
26+00 N	3+50 E - 0+50 E	L 25+00 N, 2+00 E
25+00 N	3+50 E - 0+75 E	L 26+00 N, 2+25 E
24+00 N	3+50 E - 0+25 E	L 25+00 N, 2+00 E
27+00 N	0+50 E - 2+50 W	L 26+00 N, 1+00 W
26+00 N	0+50 E - 2+50 W	L 27+00 N, 1+00 W
25+00 N	0+50 E - 2+50 W	L 26+00 N, 1+00 W
25+00 N	1+25 W - 3+25 W	L 24+00 N, 2+50 W
24+00 N	0+25 W - 3+25 W	L 23+00 N, 1+80 W
23+00 N	0+75 E - 2+25 W	L 22+00 N, 0+75 W
22+00 N	0+25 W - 3+25 W	L 23+00 N, 1+80 W
21+00 N	0+25 W - 3+25 W	L 22+00 N, 1+75 W
20+00 N	0+50 E - 2+50 W	L 21+00 N, 1+00 W
20+00 N	0+50 W - 3+50 W	L 21+00 N, 2+00 W

6. INTERPRETATION

6.1 Discussion of Results

The low frequency (600 Hz.) was tested on lines 26+00 N, 30+00 N and 31+00 N along conductor A, and on lines 25+00 N, 26+00 N and 27+00 N along conductor B (see Figure 3). The data indicates a weak response from this frequency along both trends, therefore additional readings were not taken using the low frequency.

6.2 Conclusions

The vertical loop data has delineated two conductive trends which have been denoted A and B on Figure 2. Conductor A has a strike length of 1000 meters within the survey area. The relatively large amplitude of the curves at lines 34+00 N and 24+00 N suggests that the trend continues to the north and south. Conductor B extends for 400 meters within the survey area and appears to continue off the grid in a northwesterly direction.

Conductor A exhibits the highest conductance and is the best candidate for sulphide mineralization. The extended strike length of A suggests a possible mineralized bedrock structure. Estimations of the dip of the conductor indicate an easterly dip of less than 30 degrees for L 34+00 N to L 27+00 N. At lines 26+00 N and 25+00 N the dip is believed to be approximately 30 degrees and for L 24+00 N the dip appears closer to 50 degrees. Depth estimates suggest a shallow source, approximately 10 to 20 meters below surface, along most of the conductor.

Conductor B exhibits a relatively weak response which can probably be attributed to weakly conductive overburden along a topographic depression.

7. RECOMMENDATIONS

The geophysical data should be correlated with geological and geochemical information. Based only on the geophysical data the following locations should be considered for further investigation by diamond drilling:

Line	Station
32+00 N	0+50 E
31+00 N	0+75 E
30+00 N	1+25 E
33+00 N	0+40 E

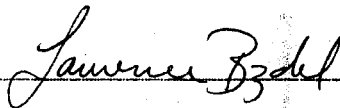
These locations represent the best responses. Additional investigation of conductor A should be based on the results of these targets.

The geophysical data alone does not indicate targets worthy of further consideration along conductor B.

Respectfully Submitted

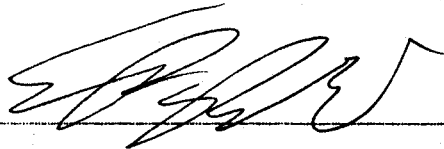
INTERPRETEX RESOURCES LTD.

Vancouver, British Columbia



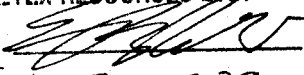
L.M. BZDEL

Geophysicist



E.R. ROCKEL

Consulting Geophysicist

PERMIT TO PRACTICE INTERPRETEX RESOURCES LTD.
Signature 
Date <u>Feb. 7, 1989</u>
PERMIT NUMBER: P 3100
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

CERTIFICATE

I, Lawrence Michael Bzdel, Geophysicist of Burnaby, British Columbia, Canada, hereby certify that:

1. I received a B.Sc. Adv. degree in Geophysics from the University of Saskatchewan in 1986.
2. I have been practising my profession since graduation.
3. I hold no direct or indirect interest in, nor expect to receive any benefits from, the mineral property or properties described in this report.
4. This report may be used for the development of the property, provided that no portion will be used out of context in such a manner as to convey meanings from that set out in the whole.
5. Consent is hereby given to the company for which this report was prepared to reproduce the report or any part of it for the purposes of development of the property, or facts relating to the raising of funds by way of a prospectus and/or statement of material facts.

Date: _____

Feb 7/89

Signed: _____

Lawrence Bzdel

Vancouver,
British Columbia

Lawrence Michael Bzdel
B.Sc.

CERTIFICATE

I, Edwin Ross Rockel, Geophysicist of Vancouver, British Columbia, Canada, hereby certify that:

1. I received a B.Sc. degree in Geophysics from the University of British Columbia in 1966.
2. I am a Consulting Geophysicist and owner of Interpretex Resources Ltd. of Box 48239, Bentall P.O., in the City of Vancouver, in the Province of British Columbia.
3. I currently reside at 13000 54A Ave, in the City of Surrey, in the Province of British Columbia.
4. I have been practising my profession since graduation.
5. I am a Professional Geophysicist registered in the Province of Alberta.
6. I am a Professional Engineer registered in the Province of Saskatchewan.
7. I am a Certified Professional Geological Scientist registered in the United States of America.
8. I hold no direct or indirect interest in, nor expect to receive any benefits from, the mineral property or properties described in this report.
9. This report may be used for the development of the property, provided that no portion will be used out of context in such a manner as to convey meanings different from that set out in the whole.
10. Consent is hereby given to the company for which this report was prepared to reproduce the report or any part of it for the purposes of development of the property, or facts relating to the raising of funds by way of a prospectus and/or statement of material facts.

Date: Feb. 7, 1989

Vancouver,
British Columbia

Signed: _____


Edwin Ross Rockel
B.Sc., P.Geoph., P. Eng.

REFERENCES

1. Grant, F.S., West, G.F., 1965. Interpretation Theory in Applied Geophysics, pg. 556-563.
2. Rockel, E.R., 1986. Geophysical Survey Results, Trac Lake Project for Amada Resources Ltd., Vancouver, British Columbia.

APPENDIX I

Present Survey Expenditures

TRAC LAKE PROPERTY
HOUSTON AREA, OMINECA MINING DIVISION, B.C.

Present Survey Expenditures

MOBILIZATION/DEMOBILIZATION

- contractual flat rate - \$1,760.00

CONTRACTURAL FIELD WORK

(during the period from Dec. 10 to 12, 1988 not including
mob-demob)

- included all survey equipment, one four wheel drive truck, ancillary equipment, office supplies, field supplies, fuel, food and accommodation
- field work included vertical loop electromagnetic survey, supervision and preliminary data interpretation in the field.

\$1,860.00

INTERPRETATION AND REPORT

- included final data interpretation, report writing, computer processing, computer plotting and reproduction for seven copies of final report

\$1,725.00

TOTAL SURVEY PROGRAM EXPENDITURE

\$5,345.00

APPENDIX II

Personnel

PERSONNEL

The following personnel worked on the property and/or were engaged in the supervision for all or part of the days noted (includes mobilization and demobilization):

Name	Position	Dates
Lawrence Bzdel Burnaby, B.C.	Geophysicist	Dec. 9 - Dec. 12, 1988
Ed Rockel Surrey, B.C.	Consulting Geophysicist	Dec. 9 - Dec. 12, 1988

The following personnel were involved in data preparation or reporting of the project for all or part of the days noted:

Name	Position	Dates
Lawrence Bzdel Burnaby, B.C.	Geophysicist	Jan. 19, 20, 24-26, 1989 Feb. 6, 1989
Ed Rockel Surrey, B.C.	Consulting Geophysicist	Jan. 26, 1989

APPENDIX III

Equipment Specifications

McPhar VHEM

Vertical Loop - Horizontal Loop Electromagnetic Unit

(1) Vertical Loop Mode

Frequencies: 600 Hz and 2400 Hz

Measurements: Dip angle in degrees read on a clinometer at a signal null in earphones

Transmitter Orientation: By sound or by orientation plate on tripod. Levelling by bubble level.

(2) Horizontal Loop Mode

Frequencies: 600 Hz and 2400 Hz

Measurements: In-phase and out-of-phase measurements made by nulling signal in earphones using potentiometer controls. In-phase and out-of-phase readings are in percentage of the total field at the receiver.

Orientation: Both receiver and transmitter are held in the horizontal plane.

Headphones: LT-700 50K ohm tuned crystal

Power Requirements: 45 volts supplied by 30 D size dry cells in a back pack

Size: Receiver - 52 cm x 15 cm x 6 cm
Transmitter - 52 cm x 15 cm x 6 cm
Wire Reels - 23 cm x 23 cm x 20 cm
Battery Pack - 57 cm x 37 cm x 6 cm

Weight: Receiver - 3.5 kg
Transmitter - 4.5 kg
Wire Reels (200 ft) - 5.0 kg
(300 ft) - 6.5 kg
Battery Pack - 5.0 kg

APPENDIX IV

Vertical Loop Data Listings

INTERPRETEX RESOURCES LTD.
Vertical Loop EM Results
EM values in degrees
GRID: TRAC LAKE
File Name: TLVL.PRN

Station Int. 25 meters
Station # + = east, - = west

LINE	STATN	HIGH FREQ. (5000 Hz) angle	LOW FREQ. (1000 Hz) angle
3400	200	1	
3400	175	1	
3400	150	2	
3400	125	4	
3400	100	5	
3400	75	6	
3400	50	6	
3400	25	6	
3400	0	5	
3400	-25	4	
3400	-50	2	
3400	-75	-2	
3400	-100	-4	
3400	-125	-6	
3400	-150	-7	
3400	-175	-9	
3300	200	0	
3300	175	1	
3300	150	3	
3300	125	5	
3300	100	6	
3300	75	6	
3300	50	2	
3300	25	-4	
3300	0	-11	
3300	-25	-15	
3300	-50	-19	
3300	-75	-23	
3300	-100	-23	
3300	-125	-22	
3200	250	4	
3200	225	5	
3200	200	6	
3200	175	6	
3200	150	6	
3200	125	6	
3200	100	5	
3200	75	3	
3200	50	0	
3200	25	-8	
3200	0	-14	
3200	-25	-14	

3200	-50	-12	
3200	-75	-12	
3200	-100	-13	
3100	300	-7	-2
3100	275	-6	-1
3100	250	-6	0
3100	225	-4	2
3100	200	-1	1
3100	175	2	3
3100	150	4	2
3100	125	5	1
3100	100	3	1
3100	75	0	0
3100	50	-4	-2
3100	25	-10	-3
3100	0	-15	-5
3100	-25	-17	-5
3100	-50	-16	-5
3000	350	1	3
3000	325	1	2
3000	300	1	2
3000	275	2	2
3000	250	3	2
3000	225	4	2
3000	200	5	1
3000	175	5	1
3000	150	3	1
3000	125	0	0
3000	100	-3	-2
3000	75	-8	-2
3000	50	-12	-2
3000	25	-14	-3
3000	0	-14	-3
2900	375	3	
2900	350	4	
2900	325	3	
2900	300	3	
2900	275	2	
2900	250	3	
2900	225	4	
2900	200	3	
2900	175	1	
2900	150	-4	
2900	125	-9	
2900	100	-12	
2900	75	-11	
2900	50	-10	
2900	25	-13	
2900	0	-12	
2800	400	3	
2800	375	4	
2800	350	6	

2800	325	6	
2800	300	8	
2800	275	7	
2800	250	5	
2800	225	3	
2800	200	0	
2800	175	-2	
2800	150	-4	
2800	125	-6	
2800	100	-7	
2800	75	-9	
2800	50	-10	
2800	25	-10	
2800	0	-10	
2700	400	5	
2700	375	5	
2700	350	4	
2700	325	4	
2700	300	4	
2700	275	5	
2700	250	4	
2700	225	3	
2700	200	-1	
2700	175	-3	
2700	150	-7	
2700	125	-8	
2700	100	-9	
2700	75	-12	
2700	50	-12	
2700	25	-13	
2600	350	8	2
2600	325	7	2
2600	300	7	1
2600	275	5	0
2600	250	2	0
2600	225	0	0
2600	200	-2	0
2600	175	-2	-1
2600	150	-3	0
2600	125	-4	-1
2600	100	-5	-1
2600	75	-4	-1
2600	50	-4	-1
2500	350	6	
2500	325	5	
2500	300	4	
2500	275	5	
2500	250	5	
2500	225	2	
2500	200	0	
2500	175	-1	
2500	150	-2	
2500	125	-3	

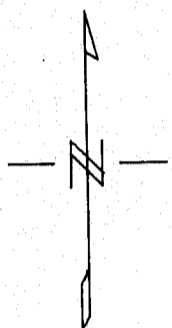
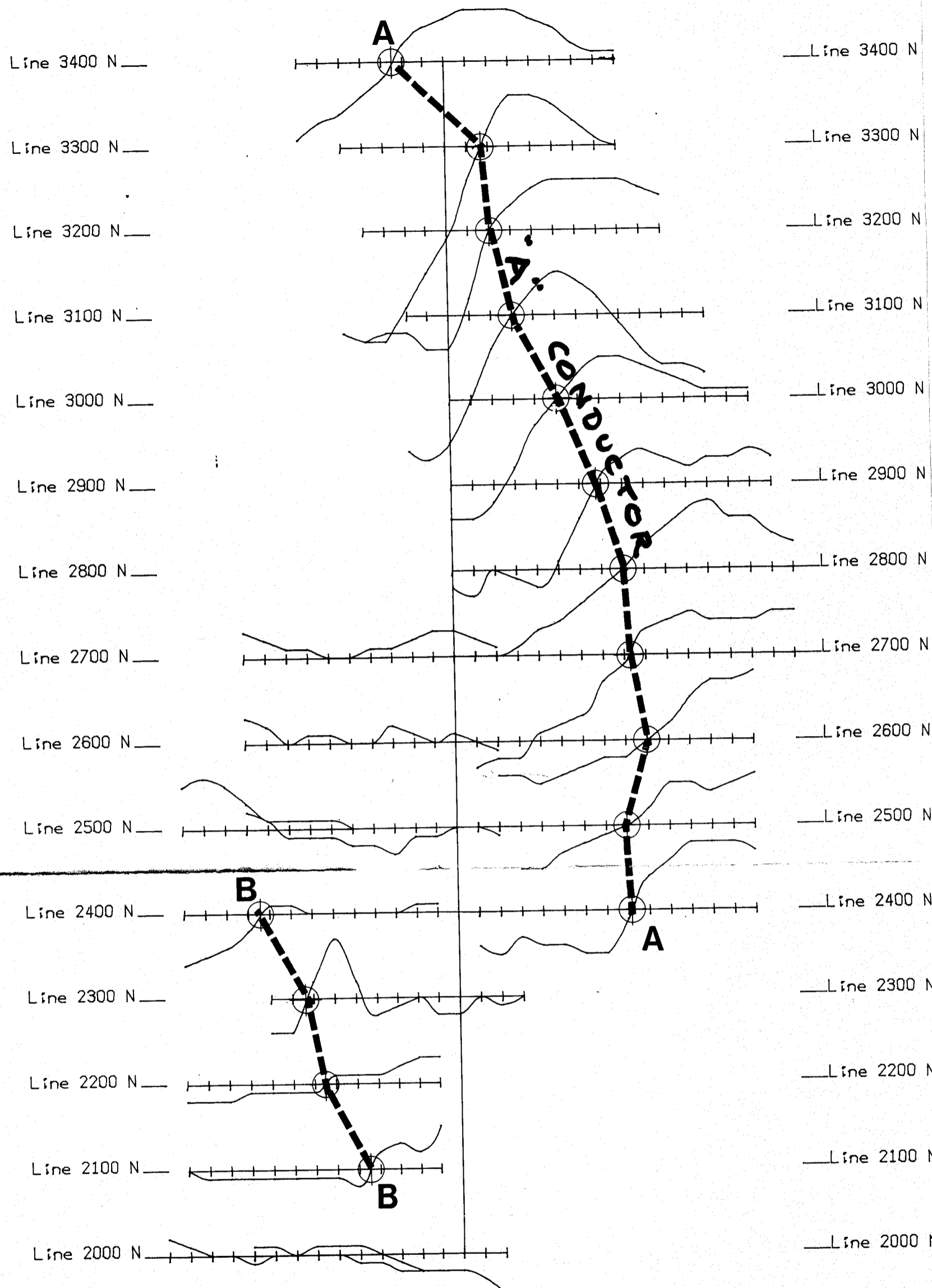
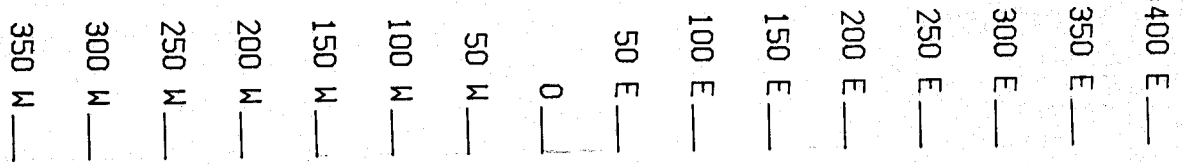
2500	100	-5	
2500	75	-5	
2400	350	7	
2400	325	8	
2400	300	8	
2400	275	8	
2400	250	6	
2400	225	4	
2400	200	-1	
2400	175	-5	
2400	150	-5	
2400	125	-4	
2400	100	-4	
2400	75	-3	
2400	50	-5	
2400	25	-4	
2700	50	1	1
2700	25	2	1
2700	0	3	1
2700	-25	3	1
2700	-50	2	2
2700	-75	1	1
2700	-100	1	0
2700	-125	0	0
2700	-150	0	-1
2700	-175	1	-1
2700	-200	1	-1
2700	-225	2	-1
2700	-250	3	-2
2600	50	-1	0
2600	25	0	-1
2600	0	1	0
2600	-25	0	0
2600	-50	1	0
2600	-75	2	0
2600	-100	0	0
2600	-125	0	0
2600	-150	1	0
2600	-175	1	0
2600	-200	0	0
2600	-225	2	1
2600	-250	3	1
2500	50	-1	-3
2500	25	0	-3
2500	0	0	-2
2500	-25	-1	-2
2500	-50	-1	-2
2500	-75	-3	-2
2500	-100	-2	-1
2500	-125	-2	-1
2500	-150	-1	0
2500	-175	-1	0

2500	-200	-1	1
2500	-225	1	2
2500	-250	2	2
2500	-125	0	
2500	-150	1	
2500	-175	1	
2500	-200	1	
2500	-225	1	
2500	-250	3	
2500	-275	5	
2500	-300	6	
2500	-325	5	
2400	-25	1	
2400	-50	1	
2400	-75	0	
2400	-100	0	
2400	-125	0	
2400	-150	0	
2400	-175	0	
2400	-200	1	
2400	-225	1	
2400	-250	-2	
2400	-275	-4	
2400	-300	-5	
2400	-325	-6	
2300	75	0	
2300	50	-1	
2300	25	0	
2300	0	-2	
2300	-25	-2	
2300	-50	0	
2300	-75	-1	
2300	-100	-2	
2300	-125	2	
2300	-150	7	
2300	-175	2	
2300	-200	-4	
2300	-225	-4	
2200	-25	3	
2200	-50	3	
2200	-75	2	
2200	-100	1	
2200	-125	1	
2200	-150	1	
2200	-175	-1	
2200	-200	-1	
2200	-225	-1	
2200	-250	-1	
2200	-275	-2	
2200	-300	-2	
2200	-325	-2	

2100	-25	5
2100	-50	2
2100	-75	3
2100	-100	2
2100	-125	-2
2100	-150	-1
2100	-175	-1
2100	-200	-1
2100	-225	-1
2100	-250	-1
2100	-275	-1
2100	-300	-1
2100	-325	0

2000	50	-5
2000	25	-3
2000	0	-2
2000	-25	-2
2000	-50	-2
2000	-75	-2
2000	-100	-1
2000	-125	-1
2000	-150	0
2000	-175	0
2000	-200	0
2000	-225	1
2000	-250	1

2000	-50	-2
2000	-75	-1
2000	-100	0
2000	-125	1
2000	-150	1
2000	-175	1
2000	-200	0
2000	-225	0
2000	-250	-1
2000	-275	0
2000	-300	0
2000	-325	1
2000	-350	2



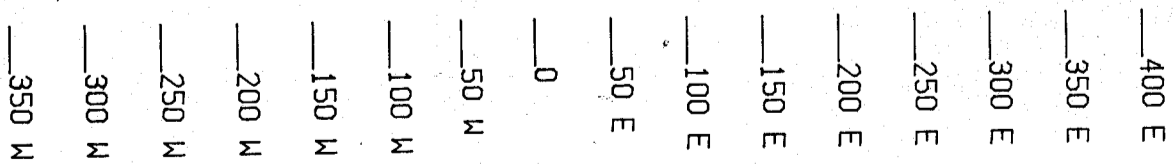
AMANDA RESOURCES LTD.

Vertical Loop Profiles
Frequency: 2400 Hz

Trac Lake Grid, Houston Area
Omineca Mining Division, B.C.

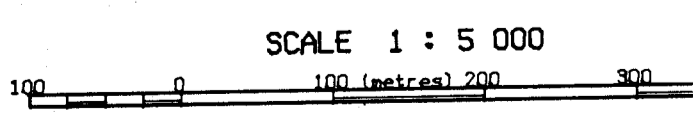
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Interpretex Resources Ltd.
Report by L.M. Bzdel & E.R. Rockel
Project # 88622
January, 1989

Figure # 2

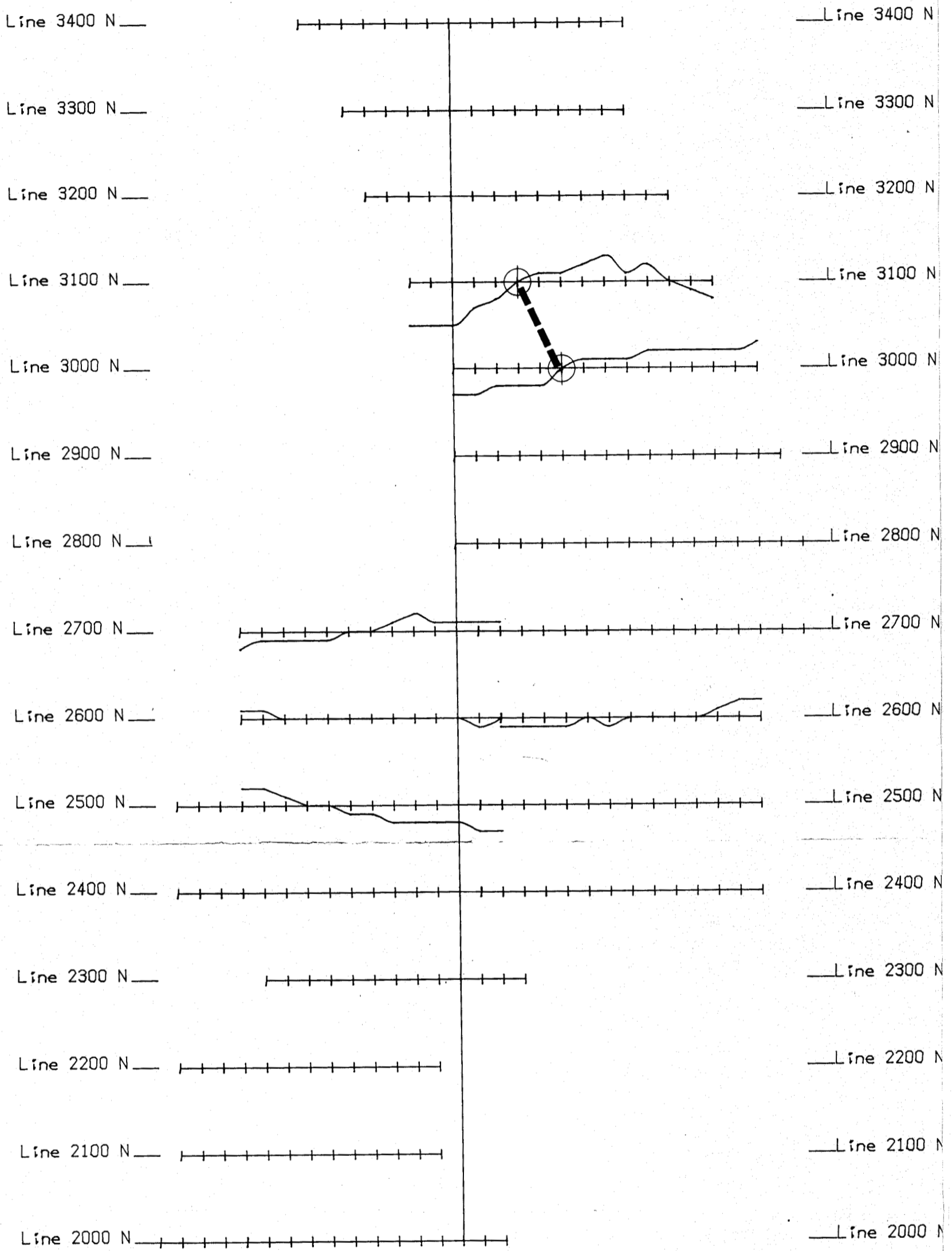


Vertical Scale: 1 cm. = 5 degrees

Conductor Axis



350 M
300 M
250 M
200 M
150 M
100 M
50 M
0
50 E
100 E
150 E
200 E
250 E
300 E
350 E
400 E



AMANDA RESOURCES LTD.

Vertical Loop Profiles
Frequency: 600 Hz

Trac Lake Grid, Houston Area
Omineca Mining Division, B.C.

NTS 93 L/7E

Interpretex Resources Ltd.

Report by L.M. Bzdel & E.R. Rockel

Project # 88622

January, 1989

Figure # 3

350 M
300 M
250 M
200 M
150 M
100 M
50 M
0
50 E
100 E
150 E
200 E
250 E
300 E
350 E
400 E

Vertical Scale: 1 cm. = 5 degrees

Conductor Axis

SCALE 1 : 5 000

