

LOG NO: 23-01	RD.
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GEOPHYSICAL REPORT

on the

**ANT 1 AND ANT 2 CLAIMS
ANT PROPERTY**

Atlin Mining Division
British Columbia

**SUB-RECORDER
RECEIVED**
JAN 18 1991
M.R. # \$
VANCOUVER, B.C.

NTS 104K/8

58° 20'N 132° 10'W

for

**WATERFORD RESOURCES INC.
827 West Pender Street
Vancouver, British Columbia**

Prepared by:

**CANAMERA GEOLOGICAL LTD.
1433 Rupert Street
North Vancouver, British Columbia
V7J 3T2**

Kenneth F. MacDonald, B. Sc.

January, 1991

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,855

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1

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1

1. INTRODUCTION

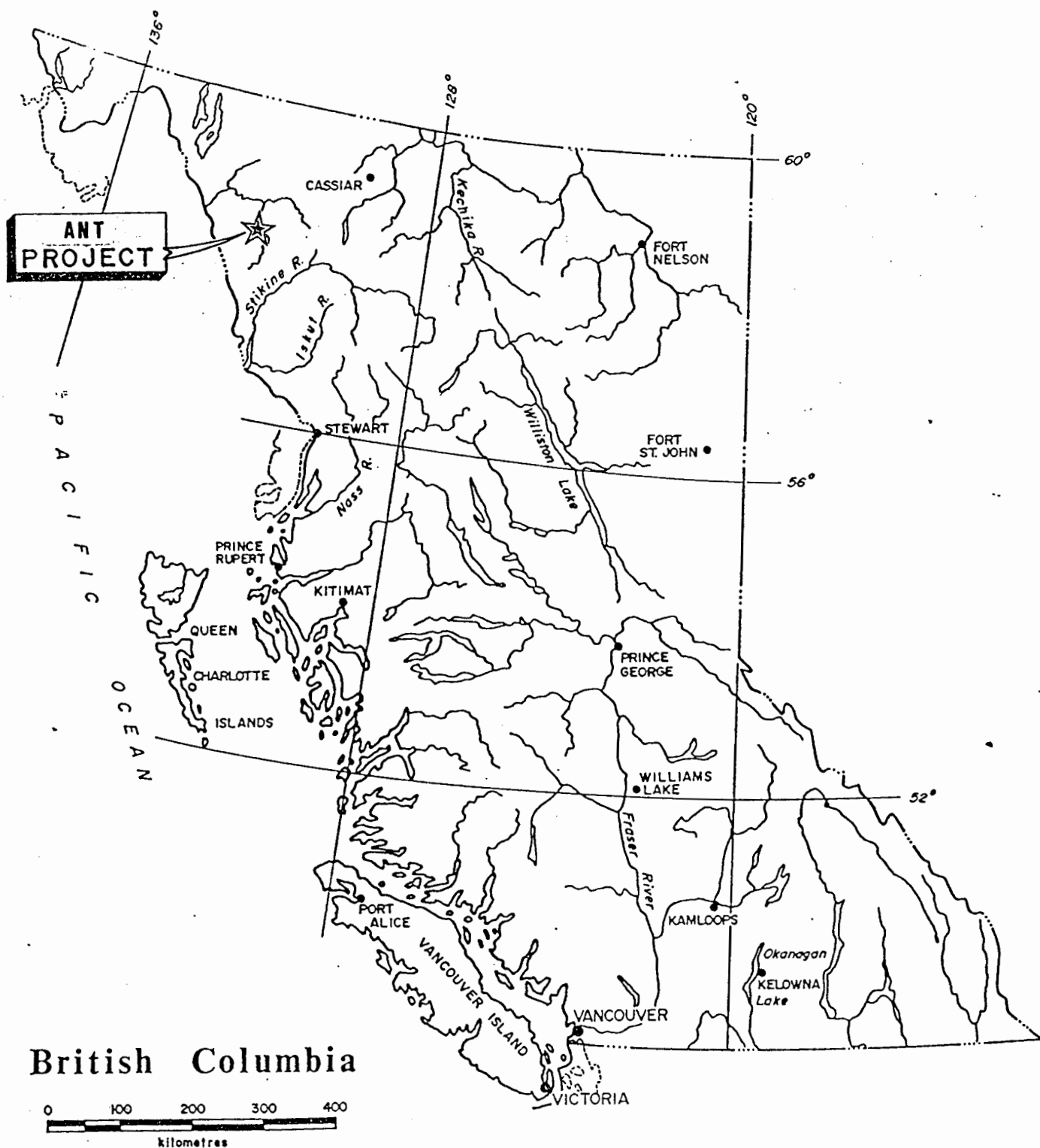
The Ant Property is a precious and base metal exploration venture owned by Tahltan Holdings Ltd., under option to Waterford Resources Inc. The 1990 geophysical program was conducted by Canamera Geological Ltd. of Vancouver.


The objective of the program was to investigate a previously outlined soil geochemical anomaly for any conductive or magnetic response that might represent, or indicate the presence of, potential mineralization.

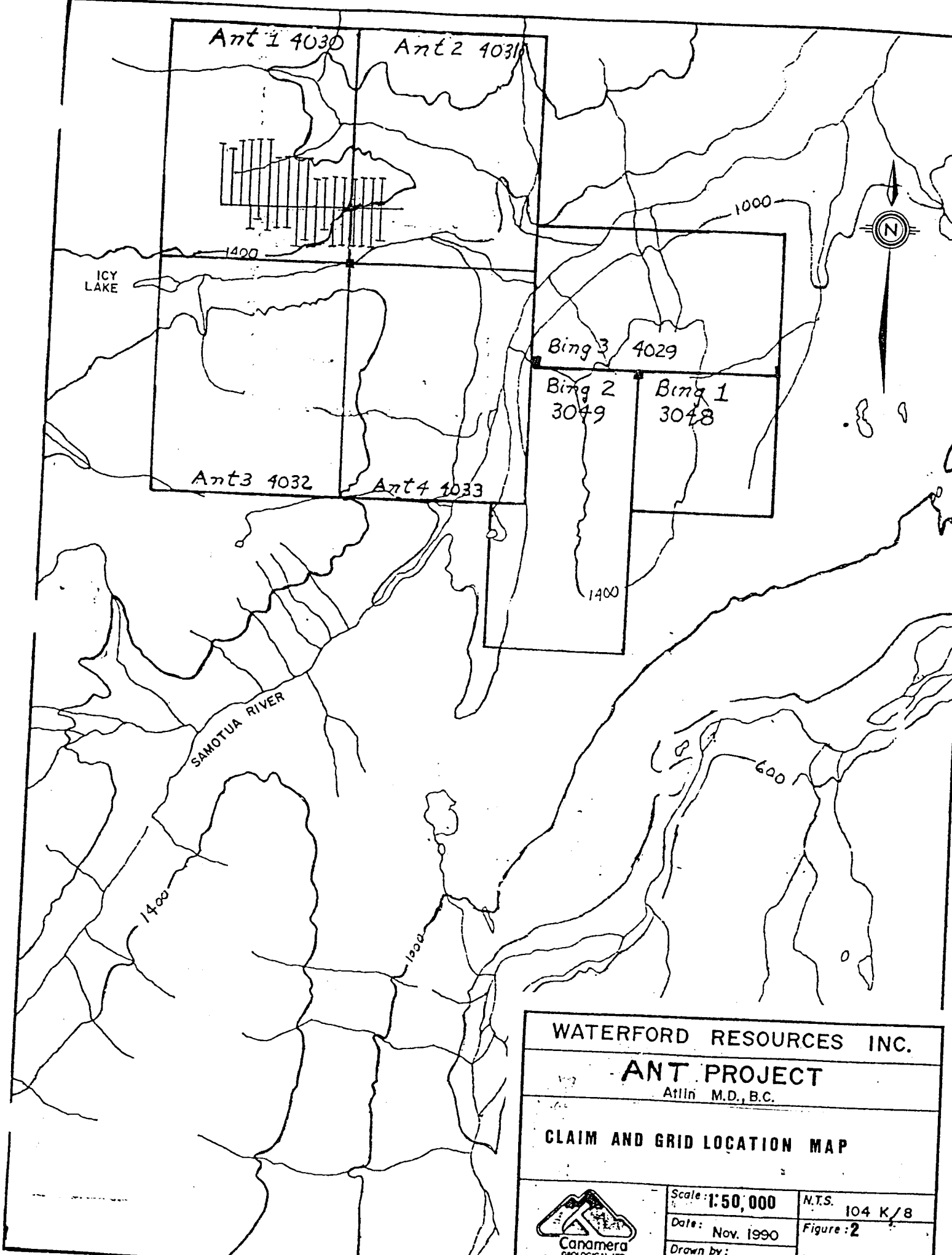
This report details the geophysical program conducted on the Ant 1 and 2 portions of the property during the fall of 1990. A technical presentation and interpretation of the collected data was undertaken by Interpretex Resources Ltd. of Vancouver and is appended herein.


1.1 Location and Access

The project area, situated in the Atlin Mining Division, is located approximately 80 kilometers northwest of Telegraph Creek, British Columbia (Figure 1).



WATERFORD RESOURCES INC.		
ANT PROJECT		
Atlin M.D., B.C.		
GENERAL LOCATION MAP		
 Canamera GEOLOGICAL LTD.	Scale: as noted	N.T.S. 104 K/B
	Date: Nov. 1990	Figure: 1
	Drawn by: w.g.l.	



WATERFORD RESOURCES INC.		
ANT PROJECT		
Atlin M.D., B.C.		
CLAIM AND GRID LOCATION MAP		
 Caramera GEOLOGICAL LTD.	Scale: 1:50,000	N.T.S. 104 K/8
	Date: Nov. 1990	Figure: 2
	Drawn by: w.g.l.	

MODIFIED FROM FREEZE (1988)

SUMMARY REPORT ON
GEOPHYSICAL SURVEYS

ANT PROJECT
ATLIN MINING DIVISION, B.C.

FOR
WATERFORD RESOURCES INC.

BY
INTERPRETEX RESOURCES LTD.

Vancouver, B.C.
December, 1990

L.M. Bzdel

Access is by rotary wing aircraft from a number of locations along a private all-weather road constructed to provide passage to the Golden Bear Mine. The mine road extends Highway 114 to within 20 kilometers of the property. Float or wheel equipped aircraft, operating from Dease Lake, can make use of nearby Tatsamenie Lake, or one of three gravel landing strips.

1.2 Property

The property comprises 7 contiguous claims for a total of 127 units covering 41.25 square kilometers.

TABLE 1
Claim Status

<u>Claim Name</u>	<u>Record #</u>	<u>Record Date</u>	<u>Expiry Date</u>	<u># of Units</u>
Ant 1	4030	Sept.23/87	Sept.03/92	20
Ant 2	4031	Sept.23/87	Sept.03/91	20
Ant 3	4032	Sept.23/87	Sept.03/92	20
Ant 4	4033	Sept.23/87	Sept.03/91	20
Bing 1	3048	July 10/87	July 10/91	9
Bing 1	3049	July 10/87	July 10/91	18
Bing 1	4029	Sept.23/87	July 10/91	18

1.3 Physiography and Climate

The property is situated southeast of the Tahltan Highland which defines the transition between the Stikine Plateau to the northeast, and the Boundary Ranges to the southwest. The area is marked by rugged sub-alpine to alpine terrain, with slopes rising to an elevation of 1900 meters.

Lower valleys are occupied by sparse forest, mainly spruce, fir and pine. Above treeline (approximately 1200 meters) the vegetation is characterized by a variety of alpine tundra moss and grass. The dominant drainage direction is to the northeast, with small tributaries flowing from north and south facing slopes.

The climate is moderately dry, with winter snow cover beginning mid-October and lasting through until late spring. Sudden snow and rain storms accompanied by strong winds, typify the region year round.

1.4 History

The Tulsequah map area, in which the Ant Property is found, has enjoyed a rich history of exploration and mining since 1929. The local Icy Lake and Tatsamenie Lake area was the focus of a regional porphyry copper exploration effort carried on in the 1950s. During the late fifties, the Geological Survey of Canada (Souther 1971) encountered molybdenite and chalcopyrite associated with copper occurrences in the vicinity of Icy Lake.

In 1964, Newmont Mining Corp. staked the area covered by the Ant Property as the Bing Group, and was successful in delineating mineralized quartz veining comprised of appreciable amounts of chalcopyrite, galena and stibnite. Skyline Explorations Ltd. (Skyline) staked the property as the M.C. Group in 1970, and conducted a mapping and soil sampling program. British Newfoundland Explorations Ltd. (Brinex) optioned the property in 1971, conducted a mapping, sampling and trenching program, but subsequently dropped their option the following year.

By 1975, Rio Tinto Canadian Exploration Ltd. (Rio Tinto) had staked the Icy Lake area for its porphyry copper-molybdenum potential. Skyline reacquired the property in 1977, and held ownership until 1986. The ground was restaked as the Ant Property in 1987 by Tahltan Holdings Ltd., optioned to Wicklow Resources Ltd., and later to Waterford Resources Inc.

1.5 **Geology and Mineralization**

The geology of the property is characterized by Permian to Pre-Upper Triassic limestones, clastics and volcanic rocks that regionally comprise the allochthonous Stikine Terrane. Triassic to Jurassic sedimentary and volcanic rocks, overlying the accreted terrane elsewhere, are not present in the study area. Four igneous events are recognized regionally as having intruded this rock succession, of which two have been identified on the property to date.

The Permian rocks comprise limestones and minor intercalated chert, shale and sandstone beds. The

Pre-Upper Triassic rocks are characterized by fine-grained clastic sediments and intercalated volcanic rocks, metamorphosed to phyllite and greenstone, respectively.

The sedimentary and volcanic rocks have been intruded by a Triassic hornblende diorite-quartz monzonite stock; and by Cretaceous-Tertiary rhyolite dykes, porphyritic felsite, and quartz monzonite stocks.

A prominent gossan, covering much of the northeast portion of the claim block, has been the primary focus of most exploration efforts. The gossan, underlain by porphyritic felsite, is comprised of a central zone of phyllic alteration and a more widespread, irregular zone of argillic alteration. Extending beyond the gossan is a zone of propylitic alteration. As well, pyritization has occurred for up to several hundred meters beyond the gossan.

Early exploration programs tested the gossan for its potential as a porphyry style deposit. Chalcopyrite ± molybdenite was found as

disseminations, as fracture fillings, and with quartz stockworks.

Soil sampling outlined a large Cu-Mo-Ag anomaly centered within the gossan. More recent efforts have focused on the gold potential of the property, with gold ± silver ± lead ± zinc ± antimony ± arsenic ± mercury mineralization found in close proximity to rhyolite and felsite dykes and irregular bodies. Mineralization is typically hosted in chalcedonic quartz and quartz-calcite vein structures.

A re-evaluation of the property in terms of both its epithermal gold, and porphyry copper potential, is required to more completely understand the genesis of the mineralization.

2. 1990 GEOPHYSICAL PROGRAM

Canamera conducted a combined ground Mag-VLF geophysical survey over a grid centered on the Ant 1 and Ant 2 claims. Work was carried out from a fly-camp located on the property. The survey commenced September 15, 1990 and

continued through until October 10, 1990.

2.1 Grid Preparation

A total of 14.2 line kms of control grid was established preparatory to the survey. The grid comprised a flagged baseline with cross lines flagged and picketed at chained intervals of 25 meters. Cross lines were spaced 100 meters apart.

2.2 Geophysical Survey

A total of 12.5 line kms of survey was completed on the grid. Field equipment consisted of a EDA Omni Plus VLF-EM and magnetometer system. Readings were taken at a spacing of 12.5 meters, with the operator estimating the between-station-distances by pace. The technical report, prepared by Interpretex Resources Ltd., is attached as an addendum.

STATEMENT OF COSTS

Personnel

Grid Preparation:

Line Cutters:	12 mandays @ \$175/day	\$2,100.00
Project Supervisor:	1 manday @ \$300/day	300.00

Geophysics (Field):

EDA Operator	: 6 mandays @ \$250/day	1,500.00
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Geophysics (Office):

Geophysicist	: 5 mandays @ \$350/day	1,750.00
Geologist (Junior):	2 mandays @ \$225/day	450.00
Project Supervisor:	1 manday @ \$300/day	300.00

Support

Mob-Demob (Airfare, insured freight etc).	\$2,437.69
Helicopter Support (Trans North)	4,730.00
Room & Board (Camp @ \$90/manday)	1,710.00
Computers: Field - 10 days @ \$75/day	750.00
: Office (Plotter) 16 hrs @ \$60/hr.	960.00
Drafting	264.00
Typing, reprographics, binding, supplies	245.00
Communications	283.66
Expediting (Dease Lake Expeditors)	356.45
Walkie Talkies (2 for 10 days @ \$30 each)	600.00
Radio Transceiver (SBXII) 10 days @ \$50/day	500.00
Geophysical Instrument (EDA)	
10 days \$250/day	2,500.00
Supplies Misc.	96.20

Sub Total \$21,476.45

15% Administrative Overhead 3,221.46

TOTAL \$24,697.92

REFERENCES

- Cannon, D.M., Gutrath G.
1965: Report of Geological Survey, Assessment Report, No. 653, Bing Group No. 15 for Newmont Mining Corp.
- Freeze, J.C.
1985: Geological Report on the Ant Property, Atlin Mining Division for Wicklow Resources Ltd.
- Holtby, M.
1976: Geological and Soil Geochemistry Report, Assessment Report No. 6019, Icy Lake Option.
- Souther, J.G.
1971: Geology and Mineral Deposits of Tulsequah Map Area, British Columbia; Geol Surv. Can. Mem. 362.

STATEMENT OF QUALIFICATIONS

NAME: MacDonalD, K.F.

PROFESSION: Geologist

EDUCATION: 1987 B. Sc. Geology - University of Alberta

EXPERIENCE: 1990 - Present: Contract Geologist with Claude Resources Inc., Equity Silver Mines Limited, and Canamera Geological Ltd. Duties included: underground mapping; drill supervision and core logging; and geological mapping, respectively.

1988 - 1990: Geologist with Cameco - A Canadian Mining and Energy Corporation (formerly SMDC). Duties included drill supervision, core logging and assist Project Geologist in report writing and compilation.

1987 - 1988: Geological Technician with Echo Bay Mines Ltd., Lupin Operations. Duties included underground sampling, plotting and drafting.

APPENDIX 1
GEOPHYSICAL REPORT

1.0 INTRODUCTION

A geophysical program consisting of electromagnetic (VLF-EM) and magnetic surveys was carried out on a single grid located on the Ant Claim Group, NTS 104K/08, in the Atlin Mining Division, B.C. The data was collected by Canamera Geological Ltd. of Vancouver, B.C. from September 21 - October 4, 1990.

2.0 OBJECTIVES

- to establish a correlation between magnetic minerals and mineralized trends,
- to test the effectiveness of VLF-EM in following possible mineralized trends and to establish new unrecognized conductive trends,
- to establish geophysical areas of interest for future exploration.

3.0 SURVEY SPECIFICATIONS

Survey Parameters

- survey line separation - 100 meters.
- survey station spacing - 12.5 meters.
- VLF-EM and magnetic survey total 12.5 kilometers.

Equipment Parameters

- VLF-EM and Magnetic Surveys
 - Scintrex Omni Plus combined VLF-EM and magnetometer
 - Dip Angle (in-phase) and Quadrature (out-of-phase) measured in percent at each station
 - VLF-EM Field Strength measured at each station
 - transmitting stations used: NAA (24.0 kHz) - Cutler, MA.
NLK (24.8 kHz) - Seattle, WA.
 - earth's total magnetic field measured in gammas (nT)
 - magnetic variations controlled by automatic magnetic base station recording every 30 seconds
 - instrument accuracy +/- 0.1 nT.

Equipment Specifications - see Appendix I

4.0 DATA

Calculations

Total Field Magnetic Survey

Total field magnetic readings were individually corrected for variations in the earth's magnetic field using magnetic base station values. The formula used for magnetic corrections was;

$$CTFR = TFR + (DBL - BSR)$$

where: CTFR = Corrected Total Field Reading
TFR = Total Field Reading
DBL = Datum Base Level
BSR = Base Station Reading

Presentation

- Magnetic data were profiled and are presented on Figure 1 at a scale of 1:5000
- Magnetic contours are presented on Figure 2 at a scale of 1:5000
- Cutler VLF-EM in-phase, out-of-phase and field strength readings are presented in profile form on Figure 3 at a scale of 1:5000
- Seattle VLF-EM in-phase, out-of-phase and field strength readings are presented in profile form on Figure 4 at a scale of 1:5000
- The Geophysical Interpretation Map is presented as Figure 5 at a scale of 1:5000

5.0 INTERPRETATION

Discussion and Conclusions

The VLF-EM transmitting station from Cutler had the best orientation for the north-south line direction of the present grid. The VLF-EM data appear to be somewhat noisy. This is particularly evident in the Seattle data since the greater transmitter power seems to have accentuated the problem. The noise is believed to be due to a problem with the backpack VLF-EM sensor. There are, however, a number of conductive trends that have been interpreted, many of which are within the noise envelope for this grid.

The VLF-EM conductor trends exhibit three strike directions; east-west, east-northeast and west-northwest. Strike lengths range from 100 to 1000 meters. In-phase and quadrature responses are generally quite weak with only several moderate strength anomalies.

Magnetic lineaments within the survey area have been delineated on the basis of offsets, terminations and disruptions in the magnetic contours. The dominant magnetic lineament strike directions are east-west and west-northwest.

VLF-EM conductive trends and magnetic lineaments interpreted from the results of the present survey are believed to represent structural features such as faults or contacts. VLF-EM conductors may reflect conductive, possibly reactivated and dilated, portions of structure.

Conductor C1 exhibits the best in-phase and quadrature response amplitudes within the survey area. This conductor extends for 300 meters, changing direction from east-west to northeast between lines 100 E and 200 E. At line 300 E, 550 N C1 appears to be terminated by east-west conductor C2 and magnetic lineament L3.

Magnetic lineament L1 seems to dissect the survey grid in an east-west direction. A series of weak conductors appear to be coincident at various points along lineament L1. This feature is interpreted to be a major structural feature, possibly with weakly conductive regions along strike.

The magnetic profiles display several distinctive magnetic environments. The section of the grid north of lineament L1 and east of line 100 E is characterized by a low magnetic intensity. The strongest magnetic intensity is located in the region bounded by lineament L2, between lines 0 and 600 E and the northern portion of lines 0 and 100 E.

Resulting from the lack of strong VLF-EM conductive trends, the focus for further exploration is based on magnetic attributes. This includes the intersection of interpreted magnetic lineaments, magnetic lows (which may indicate zones of alteration) and the intersection of magnetic lineaments with VLF-EM trends. Specific locations of interest are detailed in section 6.0 Recommendation.

6.0 RECOMMENDATIONS

The geophysical surveys have outlined a number of targets which are recommended for additional exploration on the ground. Geological investigations and sampling are recommended as a first pass exploration procedure for checking target locations. Encouraging results could then create priorities and establish targets for further geophysical work such as induced polarization. Drilling or trenching would then be in order to test for subsurface mineralization.

The following locations are recommended for detailed investigations on the ground:

Line #	Station #	Conductor #
300 E	550 N	C1
200 E	425 N	C1
100 E	362 N	C1

In addition the following locations, which may represent structural intersections, should be investigated:

- line 300 E, 150 N to 250 N
- line 200 E, 150 N to 225 N

- line 1100 E, 150 N to 300 N
- line 1000 E, 175 N to 200 N

- line 1200 E, 100 S to 50 N
- line 1100 E, 0 to 125 N

- line 1000 E, 100 S to 200 S
- line 900 E, 50 S to 200 S

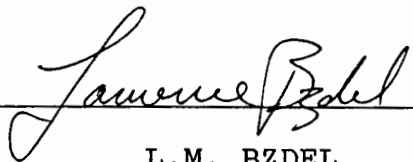
- line 600 E, 0 to 100 N

Favorable geological and/or geochemical information should be used to establish additional priorities for exploration of the remaining VLF-EM conductors and magnetic lineaments shown.

Respectfully Submitted

INTERPRETEX RESOURCES LTD.

Surrey, British Columbia



A handwritten signature in cursive script, reading "Lawrence Bzdel", is written over a horizontal line.

L.M. BZDEL

Geophysicist

CERTIFICATE

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

1. I received a B.Sc. 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:

Dec 10/90

Signed:

Lawrence Bzdel

Burnaby,
British Columbia

Lawrence Michael Bzdel
B.Sc.

AUTHOR'S NOTE

Data interpreted in this report were accumulated without supervision by Interpretex Resources Ltd. and were supplied by the Client to the writer(s). These data and the locations on the ground from which these data were accumulated are, except when specified otherwise by the writer(s), assumed to be reliable and correct and were interpreted using this assumption.

APPENDIX I

EQUIPMENT SPECIFICATIONS

OMNI PLUS VLF/Magnetometer System



Specifications*

Frequency Tuning Range	15 to 30 kHz, with bandwidth of 150 Hz; tuning range accommodates new Puerto Rico station at 28.5 kHz
Transmitting Stations Measured	Up to 3 stations can be automatically measured at any given grid location within frequency tuning range
Recorded VLF Magnetic Parameters	Total field strength, total dip, vertical quadrature (or alternately, horizontal amplitude)
Standard Memory Capacity	800 combined VLF magnetic and VLF electric measurements as well as gradiometer and magnetometer readings
Display	Custom designed, ruggedized liquid crystal display with built-in heater and an operating temperature range from -40°C to $+55^{\circ}\text{C}$. The display contains six numeric digits, decimal point, battery status monitor, signal strength status monitor and function descriptors.
RS232C Serial I/O Interface	2400 baud rate, 8 data bits, 2 stop bits, no parity
Test Mode	A. Diagnostic Testing (data and programmable memory) B. Self Test (hardware)
Sensor Head	Contains 3 orthogonally mounted coils with automatic tilt compensation
Operating Environmental Range	-40°C to $+55^{\circ}\text{C}$; 0 - 100% relative humidity; Weatherproof
Power Supply	Non-magnetic rechargeable sealed lead-acid 18V DC battery cartridge or belt; 18V DC disposable battery belt; 12V DC external power source for base station operation only.
Weights and Dimensions	
Instrument Console	2.8 kg, 128 x 150 x 250 mm
Sensor Head	2.1 kg, 130 dia. x 130 mm
VLF Electronics Module	1.1 kg, 40 x 150 x 250 mm
Lead Acid Battery Cartridge	1.8 kg, 235 x 105 x 90 mm
Lead Acid Battery Belt	1.8 kg, 540 x 100 x 40 mm
Disposable Battery Belt	1.2 kg, 540 x 100 x 40 mm

*Preliminary

EDA Instruments Inc.,
4 Thorncliffe Park Drive,
Toronto, Ontario
Canada M4H 1H1
Telex: 06 23222 EDA TOR,
Cables: Instruments Toronto
(416) 425-7800

In USA,
EDA Instruments Inc.,
5151 Ward Road,
Wheat Ridge, Colorado
U.S.A. 80033
(303) 422-9112

Printed in Canada

OMNI IV 'Tie-Line' Magnetometer



Specifications

Dynamic Range	18,000 to 110,000 gammas. Roll-over display feature suppresses first significant digit upon exceeding 100,000 gammas.
Tuning Method	Tuning value is calculated accurately utilizing a specially developed tuning algorithm
Automatic Fine Tuning	$\pm 15\%$ relative to ambient field strength of last stored value
Display Resolution	0.1 gamma
Processing Sensitivity	± 0.02 gamma
Statistical Error Resolution	0.01 gamma
Absolute Accuracy	± 1 gamma at 50,000 gammas at 23°C ± 2 gamma over total temperature range
Standard Memory Capacity	
Total Field or Gradient	1,200 data blocks or sets of readings
Tie-Line Points	100 data blocks or sets of readings
Base Station	5,000 data blocks or sets of readings
Display	Custom-designed, ruggedized liquid crystal display with an operating temperature range from -40°C to $+55^{\circ}\text{C}$. The display contains six numeric digits, decimal point, battery status monitor, signal decay rate and signal amplitude monitor and function descriptors.
RS 232 Serial I/O Interface	2400 baud, 8 data bits, 2 stop bits, no parity
Gradient Tolerance	6,000 gammas per meter (field proven)
Test Mode	A. Diagnostic testing (data and programmable memory) B. Self Test (hardware)
Sensor	Optimized miniature design. Magnetic cleanliness is consistent with the specified absolute accuracy.
Gradient Sensors	0.5 meter sensor separation (standard), normalized to gammas/meter. Optional 1.0 meter sensor separation available. Horizontal sensors optional.
Sensor Cable	Remains flexible in temperature range specified, includes strain-relief connector
Cycling Time (Base Station Mode)	Programmable from 5 seconds up to 60 minutes in 1 second increments
Operating Environmental Range	-40°C to $+55^{\circ}\text{C}$; 0-100% relative humidity; weatherproof
Power Supply	Non-magnetic rechargeable sealed lead-acid battery cartridge or belt; rechargeable NiCad or Disposable battery cartridge or belt; or 12V DC power source option for base station operation.
Battery Cartridge/Belt Life	2,000 to 5,000 readings, for sealed lead acid power supply, depending upon ambient temperature and rate of readings
Weights and Dimensions	
Instrument Console Only	2.8 kg, 238 x 150 x 250mm
NiCad or Alkaline Battery Cartridge	1.2 kg, 235 x 105 x 90mm
NiCad or Alkaline Battery Belt	1.2 kg, 540 x 100 x 40mm
Lead-Acid Battery Cartridge	1.8 kg, 235 x 105 x 90mm
Lead-Acid Battery Belt	1.8 kg, 540 x 100 x 40mm
Sensor	1.2 kg, 56mm diameter x 200mm
Gradient Sensor	
(0.5 m separation - standard)	2.1 kg, 56mm diameter x 790mm
(1.0 m separation - optional)	2.2 kg, 56mm diameter x 1300mm
Standard System Complement	Instrument console; sensor; 3-meter cable, aluminum sectional sensor staff, power supply, harness assembly, operations manual.
Base Station Option	Standard system plus 30 meter cable
Gradiometer Option	Standard system plus 0.5 meter sensor

EDA Instruments Inc.
4 Thorncliffe Park Drive
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Printed in Canada

APPENDIX II

VLF-EM and Magnetic Data List

INTERPRETEX RESOURCES LTD. Data Listing

Area: ATLIN M.D. Current File Name: ANTDAT.WR1
 Grid: ANT From File Name: ANT.XYZ
 Date: Nov., 1990

INSTRUMENT TYPE: EDA Omni Plus VLF-EM/Magnetometer System

(Line & Station + = Northings and Eastings,
 - = Southings and Westings)

DATA TYPE(S):	DATA DETAILS:
#1. Total Field Magnetic Values	Corrected total magnetic field
#2. VLF-EM In-Phase Values	Cutler Transmitter - facing north
#3. VLF-EM Quadrature	Cutler Transmitter - facing north
#4. VLF-EM Field Strength	Cutler total field strength
#5. VLF-EM In-Phase Values	Seattle Transmitter - facing north
#6. VLF-EM Quadrature	Seattle Transmitter - facing north
#7. VLF-EM Field Strength	Seattle total field strength

LINE #	E/W	N/S	STATION	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.
Line 0										
0			0	57208.4	4.0	-3.8	4.9	-4.8	3.1	32.9
0			12.5	57122.6	-0.8	-7.2	4.8	-13.1	-0.1	34.6
0			25	57111.8	-3.4	-8.1	4.8	-15.4	-1.2	37.9
0			37.5	57113.8	-3.1	-8.6	4.7	-16.3	-0.7	39.3
0			50	57131.6	-5.2	-7.8	4.8	-20.2	-1.7	38.8
0			62.5	57233.3	-11.5	-12.0	4.7	-32.9	-8.7	36.8
0			75	57606.5	-14.4	-13.2	4.4	-39.2	-11.0	37.1
0			87.5	57387.7	-13.1	-10.5	4.2	-33.4	-7.6	39.9
0			100	57345.7	-13.4	-11.2	4.2	-35.2	-7.8	39.2
0			112.5	57409.2	-17.2	-14.4	4.1	-36.6	-7.4	36.4
0			125	57424.2	-17.1	-12.4	3.8	-36.2	-6.5	38.3
0			137.5	57365.9	-15.2	-11.9	3.7	-36.7	-6.6	38.9
0			150	57545.8	-15.3	-12.4	3.7	-40.9	-8.8	37.5
0			162.5	57584.8	-14.8	-9.8	3.5	-43.0	-7.4	36.4
0			175	57507.9	-12.5	-7.2	3.4	-39.4	-5.5	36.8
0			187.5	57526.0	-10.6	-7.5	3.4	-35.5	-4.9	39.1
0			200	57547.8	-6.2	-4.6	3.4	-32.2	-3.7	40.4
0			212.5	57492.6	-4.3	-3.1	3.4	-35.0	-4.1	39.1
0			225	57451.0	-5.0	-3.6	3.4	-35.6	-5.1	38.7
0			237.5	57485.4	-2.8	-2.1	3.3	-36.7	-5.6	38.2
0			250	57494.7	-3.8	-1.6	3.3	-33.3	-5.3	38.5
0			262.5	57404.4	-3.4	-0.3	3.3	-27.3	-3.6	40.7
0			275	57536.7	-0.4	2.1	3.2	-24.0	-2.2	41.0
0			287.5	57572.1	3.2	5.0	3.4	-18.1	-2.2	40.8
0			300	57372.4	2.8	5.1	3.4	-17.3	-0.3	40.3
0			312.5	57615.7	1.7	5.4	3.4	-11.8	1.4	39.2
0			325	57715.8	1.7	6.4	3.5	-11.2	2.1	37.3
0			337.5	57435.3	1.2	5.7	3.6	-15.4	0.5	36.3
0			350	57403.8	-1.9	3.5	3.7	-19.5	-2.3	36.8
0			362.5	57801.2	-3.3	2.6	3.5	-18.4	-4.0	39.6
0			375	57919.6	-2.1	5.6	3.5	-21.8	-4.8	35.6
0			387.5	58042.4	-1.2	5.7	3.5	-22.6	-5.7	38.1
0			400	57824.7	-0.3	6.7	3.5	-26.7	-6.3	34.6
0			412.5	58006.8	1.7	8.1	3.6	-23.5	-5.7	35.6
0			425	58095.0	3.0	10.0	3.5	-27.3	-5.0	33.4
0			437.5	58412.0	5.3	10.6	3.7	-21.2	-4.5	37.0
0			450	58086.0	6.1	12.9	3.7	-19.8	-4.6	38.7

0	462.5	57894.4	6.0	12.6	4.0	-29.9	-6.7	33.6
0	475	60430.0	6.4	12.6	4.0	-31.7	-7.5	33.9
0	487.5	59326.4	6.1	14.1	4.2	-26.1	-7.4	35.4
0	500	58426.2	5.6	13.7	4.2	-25.7	-7.3	37.1
0	512.5	58379.6	4.4	13.3	4.3	-27.1	-7.6	34.6
0	525	58058.1	3.5	12.0	4.3	-25.5	-5.8	35.1
0	537.5	57835.1	1.1	10.5	4.5	-27.5	-4.7	33.8
0	550	57313.1	-0.5	7.0	4.7	-24.7	-4.5	34.1
0	562.5	58722.1	-3.1	6.1	4.5	-31.5	-7.3	31.0
0	575	58479.4	-1.8	9.2	4.5	-27.3	-5.6	32.9
0	587.5	58139.7	-0.5	8.7	4.6	-24.4	-4.1	33.0
0	600	58154.5	0.0	9.4	4.6	-22.3	-2.8	34.5
0	612.5	57888.7	0.3	10.2	4.7	-22.9	-3.0	33.6
0	625	57976.2	1.8	7.8	4.5	-18.7	-2.8	35.0
0	637.5	57525.5	0.0	3.5	4.5	-19.1	-6.3	36.1
0	650	57769.2	-1.0	4.1	4.3	-19.6	-5.0	36.6

Line 100

100	0	57014.1	1.6	-4.9	6.8	-8.5	0.7	39.0
100	12.5	57007.2	-4.4	-6.9	6.9	-13.8	-2.4	41.4
100	25	57041.7	-11.0	-10.5	6.6	-19.8	-5.9	48.6
100	37.5	57028.1	-13.4	-12.5	6.5	-28.1	-11.3	39.7
100	50	57106.9	-16.0	-13.6	6.2	-31.5	-13.8	38.2
100	62.5	57086.3	-17.5	-15.4	6.0	-33.1	-13.9	39.0
100	75	57237.9	-18.4	-16.8	5.5	-34.5	-15.2	41.9
100	87.5	57218.8	-16.4	-17.3	5.4	-35.6	-14.5	39.9
100	100	57324.9	-14.2	-15.6	5.2	-33.4	-12.7	39.0
100	112.5	57276.3	-11.4	-12.8	5.1	-33.3	-10.4	39.6
100	125	57282.4	-11.8	-9.9	5.0	-37.8	-11.7	34.8
100	137.5	57365.4	-12.4	-11.0	5.0	-31.9	-9.9	40.4
100	150	57467.8	-15.1	-12.4	5.0	-34.6	-10.7	39.1
100	162.5	57677.9	-15.3	-12.6	4.7	-35.0	-10.6	39.2
100	175	57850.7	-14.7	-11.4	4.5	-39.6	-11.8	37.5
100	187.5	58085.6	-14.4	-10.4	4.5	-38.1	-11.6	38.5
100	200	57849.8	-10.6	-9.6	4.3	-40.8	-12.9	38.6
100	212.5	57197.6	-7.4	-7.4	4.3	-44.9	-14.1	38.4
100	225	57070.8	-7.1	-7.6	4.4	-46.1	-16.5	39.3
100	237.5	57564.7	-3.8	-5.5	4.0	-51.2	-19.8	36.1
100	250	57764.9	1.5	-2.9	4.2	-44.5	-15.7	38.5
100	262.5	57336.8	2.3	-2.9	4.1	-49.7	-16.5	34.5
100	275	57661.7	3.6	-4.2	4.1	-40.4	-15.1	36.6
100	287.5	57562.7	7.3	-1.8	4.0	-43.2	-18.3	35.7
100	300	57389.5	11.0	0.8	4.0	-43.4	-18.4	36.1
100	312.5	57513.7	16.4	3.8	4.0	-44.4	-21.9	33.7
100	325	57191.8	18.3	6.4	4.2	-37.3	-18.8	36.2
100	337.5	56945.4	21.4	7.7	4.5	-34.7	-18.0	37.4
100	350	56870.2	22.6	9.4	4.6	-36.0	-20.3	34.2
100	362.5	56551.6	15.0	7.0	5.0	-25.1	-13.7	38.8
100	375	56467.7	12.4	5.4	4.6	-24.9	-14.5	33.5
100	387.5	56443.3	8.5	5.6	4.7	-17.7	-11.9	38.2
100	400	56152.7	6.2	4.0	4.6	-16.3	-11.7	35.5
100	412.5	56026.3	5.6	5.0	4.5	-17.7	-12.2	33.3
100	425	56314.4	4.9	6.0	4.5	-14.7	-9.6	36.6
100	437.5	56532.2	8.3	8.7	4.4	-13.9	-9.2	34.6
100	450	56561.5	12.0	11.0	4.4	-14.9	-9.0	31.9
100	462.5	56511.6	11.7	13.1	4.5	-12.7	-7.6	32.3
100	475	56811.5	12.8	14.3	4.4	-13.2	-7.3	30.3
100	487.5	58435.4	12.1	14.2	4.4	-12.1	-6.0	31.6
100	500	57907.5	12.4	14.7	4.6	-11.2	-4.1	34.5
100	512.5	58601.7	14.5	14.8	4.7	-12.2	-4.6	32.8
100	525	58776.8	14.4	15.6	4.8	-11.9	-4.1	31.9

100	537.5	57799.1	14.9	16.2	4.9	-12.6	-4.1	31.3
100	550	56597.8	9.6	8.0	5.3	-14.0	-6.5	34.6
100	562.5	57907.4	8.5	9.7	4.9	-14.6	-8.7	30.4
100	575	57978.5	7.3	8.8	4.8	-14.3	-8.5	32.6
100	587.5	58266.2	8.3	8.8	4.8	-14.1	-9.8	33.2
100	600	57782.2	8.7	7.9	4.8	-13.3	-10.8	33.1
Line 200								
200	0	56916.0	-4.6	-5.9	4.9	-16.4	0.9	36.3
200	12.5	56934.7	-11.8	-10.7	6.7	-29.3	-8.9	41.1
200	25	56966.3	-18.1	-13.2	6.7	-37.1	-13.7	37.5
200	37.5	57017.2	-17.2	-13.9	5.2	-33.8	-12.9	38.3
200	50	57050.6	-21.3	-15.0	4.9	-40.8	-16.6	36.7
200	62.5	57095.3	-23.5	-16.3	4.9	-35.3	-14.2	40.0
200	75	57207.0	-23.8	-17.2	5.0	-32.9	-13.3	41.1
200	87.5	57178.6	-24.0	-17.5	4.8	-33.4	-13.1	38.5
200	100	57321.1	-22.1	-18.8	4.5	-32.9	-13.0	38.1
200	112.5	57300.6	-22.0	-18.9	4.4	-30.4	-12.7	39.6
200	125	57035.4	-22.1	-17.2	5.1	-39.8	-15.9	34.3
200	137.5	57228.8	-21.5	-15.7	5.2	-38.5	-14.7	35.6
200	150	57309.5	-21.2	-14.0	5.3	-36.1	-15.7	36.8
200	162.5	58193.0	-27.7	-18.7	4.9	-45.7	-18.5	35.0
200	175	56453.8	-27.7	-18.9	4.7	-52.1	-23.7	33.6
200	187.5	56345.7	-28.2	-16.0	4.7	-48.8	-23.3	34.7
200	200	56963.7	-35.7	-19.3	4.4	-49.9	-25.6	33.7
200	212.5	56775.8	-28.0	-18.1	4.2	-33.3	-17.8	37.5
200	225	56490.3	-25.2	-15.0	3.9	-37.9	-18.1	35.0
200	237.5	56372.3	-22.6	-11.6	3.8	-37.4	-19.0	33.4
200	250	56380.8	-14.4	-7.5	3.7	-27.5	-14.4	36.9
200	262.5	56657.2	-11.6	-5.5	3.6	-33.3	-16.4	33.2
200	275	56300.1	-5.0	-3.2	3.8	-31.9	-16.3	33.4
200	287.5	56344.5	-3.5	-4.2	3.7	-24.1	-12.1	39.9
200	300	56204.0	1.8	-1.9	3.8	-27.0	-10.8	35.6
200	312.5	55946.1	5.4	0.0	3.9	-23.5	-10.5	36.4
200	325	55705.8	10.3	1.6	4.1	-29.6	-10.2	35.3
200	337.5	56013.5	10.3	3.4	4.0	-23.4	-6.7	40.8
200	350	55846.8	9.5	2.7	4.3	-28.9	-7.2	38.7
200	362.5	56098.2	10.9	4.8	4.3	-31.7	-6.9	39.1
200	375	56107.0	11.7	7.8	4.3	-31.2	-6.5	39.9
200	387.5	56221.0	12.5	9.6	4.4	-32.3	-6.8	38.3
200	400	56363.0	13.9	11.0	4.5	-31.0	-6.8	39.0
200	412.5	56310.5	13.9	9.3	4.8	-34.0	-7.5	37.6
200	425	55998.0	11.3	7.0	4.8	-29.8	-5.8	36.6
200	437.5	56184.5	7.1	4.3	4.9	-24.4	-5.2	37.9
200	450	56133.0	6.6	4.2	4.7	-20.9	-4.5	37.5
200	462.5	56363.4	5.3	4.7	4.8	-21.2	-6.0	35.3
200	475	56397.4	5.3	3.9	4.7	-19.6	-6.7	35.9
200	487.5	56502.6	6.1	5.6	4.7	-18.0	-7.2	38.0
200	500	56088.4	8.1	6.1	4.8	-17.0	-8.8	35.9
200	512.5	56144.8	9.4	7.8	4.8	-16.9	-9.0	36.2
200	525	55811.6	11.8	8.7	4.9	-19.5	-10.2	33.7
200	537.5	54979.2	10.9	8.1	5.2	-14.7	-8.7	35.4
200	550	55681.5	7.4	4.3	5.2	-16.7	-12.2	34.7
200	562.5	55427.7	7.7	6.1	5.1	-16.7	-11.0	34.7
200	575	56052.1	6.8	7.7	5.2	-17.9	-10.2	34.4
200	587.5	56330.4	6.0	7.1	5.2	-18.1	-9.6	35.4
200	600	56481.6	5.0	8.1	7.6	-13.1	-7.2	38.7
200	612.5	56604.6	4.9	8.1	7.6	-12.3	-6.9	39.3
200	625	56865.5	4.5	7.8	7.2	-12.7	-6.4	38.7
200	637.5	56162.0	4.4	6.3	7.2	-13.4	-8.3	39.4
200	650	56851.6	2.3	4.8	7.3	-14.8	-8.5	38.8

300	437.5	56227.6	3.6	7.8	2.3	-43.8	-7.6	31.5
300	450	56139.8	2.4	6.6	4.0	-34.5	-5.9	37.9
300	462.5	56267.1	4.4	7.6	4.0	-32.0	-6.0	38.5
300	475	56426.9	7.2	9.5	3.8	-30.7	-4.8	37.8
300	487.5	56177.8	11.5	11.0	3.8	-29.1	-5.2	36.4
300	500	55597.0	12.9	13.1	3.9	-26.4	-4.7	39.0
300	512.5	55632.9	16.4	16.0	4.0	-27.3	-4.4	36.6
300	525	55922.3	18.8	19.5	4.1	-25.9	-3.7	37.0
300	537.5	55914.7	21.8	20.4	4.7	-22.3	-2.0	41.2
300	550	56003.5	17.1	13.2	5.2	-19.5	0.5	40.1
300	562.5	55498.3	6.7	5.9	5.3	-17.8	-1.0	44.0
300	575	55298.4	4.4	2.6	5.1	-17.9	-3.1	42.0
300	587.5	55008.9	2.9	1.7	5.0	-18.7	-6.0	43.4
300	600	55300.2	1.9	2.9	4.9	-18.7	-5.8	43.7
300	612.5	56428.9	1.1	3.4	4.9	-19.5	-7.2	41.1
300	625	56716.7	1.6	4.2	4.9	-19.0	-6.1	43.6
300	637.5	56629.9	0.9	2.1	3.9	-24.0	-9.6	34.0
300	650	56484.1	0.6	4.0	3.6	-21.5	-8.3	34.5
300	662.5	56425.3	0.4	3.6	3.5	-21.1	-8.1	34.6
300	675	56362.0	0.2	4.5	3.7	-19.7	-7.7	33.7
300	687.5	56252.6	-1.2	4.8	3.6	-20.7	-8.1	33.7
300	700	56080.7	0.3	1.6	3.4	-25.2	-12.7	32.0

line 400

400	-162.5	57108.7	2.2	2.6	5.7	-6.8	1.3	51.4
400	-150	57005.9	1.4	1.1	5.9	-7.2	-0.3	50.8
400	-137.5	56960.3	-0.3	2.3	5.9	-8.9	-0.3	52.0
400	-125	56921.1	4.0	-0.5	6.2	-4.3	-2.0	54.9
400	-112.5	56960.1	2.4	-3.6	6.2	-5.5	-3.9	53.8
400	-100	57000.0	2.5	-3.6	6.2	-6.1	-3.8	49.8
400	-87.5	57008.6	1.8	-2.9	6.3	-7.1	-2.7	52.4
400	-75	56926.6	1.7	-2.7	6.5	-7.5	-3.9	50.3
400	-62.5	56829.9	-1.1	-4.4	6.6	-9.9	-3.6	54.9
400	-50	56836.8	-2.1	-5.1	6.5	-10.7	-4.5	54.9
400	-37.5	56850.1	-2.6	-6.2	6.6	-11.0	-5.2	57.0
400	-25	56879.6	-6.6	-8.8	6.5	-16.0	-7.6	56.6
400	-12.5	56845.4	-5.6	-10.9	6.3	-16.9	-9.0	50.6
400	0	56798.7	-6.3	-9.4	6.4	-15.9	-7.9	54.7
400	12.5	56924.9	-6.5	-10.8	6.3	-16.7	-8.6	53.7
400	25	56731.5	-6.9	-7.7	4.9	-27.6	-13.5	40.4
400	37.5	56903.0	-8.2	-11.0	6.5	-20.2	-9.6	53.3
400	50	56876.7	-11.4	-13.6	6.4	-22.6	-11.8	54.6
400	62.5	57210.3	-15.4	-19.4	6.0	-29.7	-17.6	45.5
400	75	57139.3	-13.3	-19.3	5.7	-26.3	-15.8	46.2
400	87.5	57027.9	-10.6	-15.8	4.4	-34.7	-19.1	37.0
400	100	56657.5	-13.8	-17.1	4.2	-33.0	-16.8	36.4
400	112.5	56651.0	-18.9	-20.4	4.1	-33.4	-17.5	38.1
400	125	56642.3	-18.2	-20.5	3.9	-38.7	-20.5	34.6
400	137.5	56700.3	-20.0	-23.0	3.7	-34.9	-17.0	35.7
400	150	56836.5	-16.3	-23.1	3.5	-37.8	-16.3	35.0
400	162.5	57106.5	-17.6	-19.8	3.5	-33.7	-14.0	36.2
400	175	56473.9	-17.0	-19.4	3.5	-34.2	-13.7	35.7
400	187.5	56091.3	-17.5	-19.6	3.4	-40.1	-13.4	35.1
400	200	56516.6	-18.2	-16.5	3.3	-39.0	-11.4	34.8
400	212.5	56231.5	-21.2	-19.0	2.9	-45.3	-10.1	33.8
400	225	56338.9	-21.6	-14.9	3.0	-42.3	-8.8	34.2
400	237.5	56452.2	-22.7	-11.8	3.0	-39.3	-7.6	33.1
400	250	56495.9	-24.1	-13.2	2.8	-41.5	-5.5	33.0
400	262.5	56761.4	-23.1	-17.2	2.8	-40.5	-3.9	32.9
400	275	56346.7	-20.3	-14.6	2.6	-39.2	-2.9	33.6
400	287.5	56223.7	-18.5	-12.3	2.7	-39.1	-1.3	32.7

400	300	55862.1	-11.7	-11.0	2.4	-35.7	0.0	33.5
400	312.5	55558.4	-10.9	-8.3	2.4	-32.2	1.4	33.0
400	325	55546.1	-9.7	-3.9	2.2	-28.2	2.9	32.0
400	337.5	55508.7	-8.0	-0.6	2.3	-26.5	1.3	31.1
400	350	55126.6	-5.1	-1.5	2.3	-24.7	0.5	30.6
400	362.5	55349.7	-4.7	-0.5	2.0	-26.0	-0.1	30.1
400	375	55603.1	-0.3	0.3	2.2	-25.6	-1.2	30.5
400	387.5	55945.8	2.3	0.4	2.2	-25.2	-1.7	29.9
400	400	56032.1	6.0	3.6	2.2	-24.0	-1.5	28.5
400	412.5	55947.9	8.1	5.1	2.2	-20.9	-1.6	31.2
400	425	55922.5	11.2	5.4	2.2	-21.3	-1.7	29.2
400	437.5	55927.6	17.7	9.8	2.1	-12.3	-5.2	19.6
400	450	55901.6	16.8	10.5	2.4	-17.4	-0.7	31.0
400	462.5	56146.6	19.7	11.8	2.5	-16.3	0.1	30.6
400	475	55930.9	22.2	13.0	2.6	-14.7	1.0	31.2
400	487.5	55750.5	26.6	13.9	3.0	-13.7	0.2	34.3
400	500	55665.0	26.2	14.2	3.0	-14.9	0.0	33.1
400	512.5	55392.8	23.8	7.4	3.4	-16.0	-4.8	33.9
400	525	55384.8	23.3	6.6	3.4	-19.0	-7.1	33.7
400	537.5	55328.9	23.6	6.9	3.3	-17.7	-6.8	34.3
400	550	55726.8	18.2	0.4	3.4	-23.4	-12.0	32.8
400	562.5	55929.2	17.6	-0.5	3.3	-20.4	-12.0	32.7
400	575	55914.0	18.4	-1.0	3.1	-20.7	-12.9	33.0
400	587.5	56027.1	14.1	1.8	3.4	-19.1	-10.0	32.5
400	600	55889.3	14.6	1.2	3.3	-21.0	-10.1	31.3
400	612.5	55776.8	13.3	2.9	3.4	-19.4	-10.1	31.8
400	625	55719.1	14.0	3.3	3.2	-17.2	-10.3	32.8
400	637.5	55617.8	10.8	3.8	3.6	-18.4	-9.3	33.2
400	650	55487.6	8.2	3.9	3.7	-18.3	-8.9	33.2
400	662.5	55480.3	7.8	2.7	3.8	-19.5	-8.4	32.4
400	675	55736.1	5.8	3.7	3.4	-20.5	-9.4	31.7
400	687.5	56103.1	3.8	4.7	3.6	-21.1	-8.2	31.3
400	700	56138.5	3.5	2.5	3.8	-20.2	-7.9	31.7

Line 500

500	-250	57351.7	12.9	10.1	3.2	1.9	2.6	24.7
500	-237.5	57676.8	10.6	9.0	3.5	3.5	4.5	33.9
500	-225	57228.4	9.8	5.1	3.6	3.8	2.1	34.3
500	-212.5	57186.1	12.3	3.1	3.7	1.0	1.0	34.6
500	-200	57343.5	10.0	2.7	3.7	0.6	0.8	36.6
500	-187.5	57523.5	8.8	3.7	3.5	0.8	0.3	35.0
500	-175	57362.1	7.4	3.1	3.6	-0.3	0.4	35.9
500	-162.5	57133.1	9.7	1.4	3.8	-0.9	-1.9	35.8
500	-150	57107.2	8.2	0.9	3.8	-0.4	-1.9	36.2
500	-137.5	57022.8	10.3	1.1	3.8	0.0	-2.6	36.5
500	-125	56843.9	8.5	1.9	4.0	0.3	-1.4	36.3
500	-112.5	56899.1	7.8	0.7	4.1	0.0	-2.4	35.8
500	-100	56944.9	7.0	-0.9	4.2	-1.1	-4.0	36.0
500	-87.5	56843.0	4.8	-1.0	4.3	-4.5	-5.5	36.6
500	-75	56835.9	5.3	-2.7	4.4	-6.4	-6.1	38.8
500	-62.5	56903.3	4.5	-2.0	4.9	-4.9	-6.3	40.0
500	-50	56957.8	2.1	-2.2	5.0	-5.2	-4.3	27.5
500	-37.5	56979.8	1.3	-3.8	4.6	-6.1	-5.0	27.5
500	-25	57251.8	-3.3	-10.8	4.2	-7.4	-8.1	28.1
500	-12.5	57168.9	-3.6	-9.4	4.7	-16.9	-12.8	40.8
500	0	57379.8	-5.0	-16.0	3.9	-7.6	-10.6	28.2
500	12.5	57055.6	-5.6	-12.1	4.3	-9.6	-10.3	26.7
500	25	57328.4	-5.7	-16.5	4.1	-11.4	-12.6	26.1
500	37.5	57121.9	-6.7	-13.7	4.1	-12.1	-11.6	26.4
500	50	56730.4	-5.5	-11.8	4.5	-21.6	-18.0	36.2
500	62.5	56573.8	-7.0	-13.2	4.4	-23.1	-18.3	39.9

500	75	56612.1	-6.8	-17.1	4.3	-22.7	-21.5	36.9
500	87.5	56657.6	-6.7	-15.2	4.2	-26.5	-20.5	35.3
500	100	56629.9	-7.7	-13.4	4.3	-25.8	-18.6	37.7
500	112.5	56615.4	-7.8	-14.3	4.2	-25.9	-18.3	38.0
500	125	56815.6	-9.4	-14.3	4.3	-30.3	-20.1	37.6
500	137.5	56714.1	-9.2	-15.1	4.1	-31.8	-19.9	39.2
500	150	56736.8	-9.2	-13.9	4.1	-32.7	-19.3	37.8
500	162.5	56560.9	-11.7	-13.4	4.1	-35.5	-19.6	37.4
500	175	56383.1	-14.2	-16.2	4.0	-37.1	-18.0	38.2
500	187.5	56245.8	-13.5	-18.0	4.0	-39.8	-17.0	37.6
500	200	56616.9	-14.5	-19.8	4.0	-40.1	-14.2	37.2
500	212.5	56766.0	-16.0	-21.3	3.6	-41.9	-12.7	36.2
500	225	56639.9	-15.5	-20.6	3.4	-39.4	-10.7	35.7
500	237.5	56533.9	-15.7	-16.9	3.4	-36.4	-9.5	34.7
500	250	56533.6	-12.5	-17.1	3.3	-36.4	-7.6	34.4
500	262.5	56412.6	-10.4	-16.5	3.1	-33.1	-6.4	34.5
500	275	56384.1	-13.0	-13.7	3.0	-31.8	-5.8	33.6
500	287.5	56348.0	-10.8	-13.0	3.0	-30.5	-5.2	33.7
500	300	56247.5	-11.2	-11.2	3.1	-29.4	-4.5	33.8
500	300	56265.8	-20.9	-13.5	2.6	-39.4	-4.5	31.2
500	312.5	55920.9	-22.4	-12.9	2.6	-35.4	-3.4	31.4
500	325	55898.8	-26.3	-13.3	2.4	-38.9	-3.9	30.6
500	337.5	56018.0	-24.6	-12.0	2.4	-37.4	-3.8	31.0
500	350	55824.8	-22.7	-7.9	2.4	-35.9	-4.4	30.6
500	362.5	55604.6	-19.0	-5.8	2.3	-31.7	-4.4	32.1
500	375	55638.3	-19.1	-5.5	2.3	-29.3	-4.8	31.7
500	387.5	55683.9	-17.3	-6.2	2.2	-30.0	-5.3	31.2
500	400	55832.1	-14.9	-4.3	2.2	-26.5	-6.1	31.5
500	412.5	55891.4	-12.4	-3.4	2.2	-25.0	-5.7	32.0
500	425	55803.6	-7.2	-1.4	2.2	-21.7	-5.7	32.2
500	437.5	55654.1	-3.9	1.1	2.2	-21.1	-4.3	31.4
500	450	55754.3	-3.1	2.3	2.4	-18.3	-2.9	33.3
500	462.5	55749.9	-2.8	4.0	2.4	-18.4	-3.1	32.9
500	475	55635.6	1.1	4.0	2.5	-17.5	-2.8	33.7
500	487.5	55680.6	4.1	4.9	2.4	-16.4	-2.1	34.7
500	500	55923.8	3.7	6.6	2.7	-17.2	-1.9	33.3
500	512.5	55991.3	4.6	8.4	2.6	-14.9	-1.1	34.7
500	525	55952.0	6.7	10.3	2.8	-13.4	0.0	33.2
500	537.5	56102.7	8.5	10.0	3.0	-15.3	1.1	33.4
500	550	55702.9	11.1	8.4	3.2	-15.9	0.9	33.1
500	562.5	55886.1	11.1	6.6	3.1	-17.7	-3.7	33.2
500	575	55902.5	11.7	6.0	3.2	-19.8	-5.9	32.1
500	587.5	56093.9	12.2	5.3	3.4	-19.9	-4.9	32.3
500	600	56170.7	11.7	5.5	3.4	-24.2	-7.5	31.3
500	612.5	56339.5	10.7	3.1	3.7	-18.2	-5.9	33.3
500	625	56243.6	11.1	2.3	3.7	-18.7	-5.6	33.9
500	637.5	56227.4	10.3	4.1	3.8	-18.8	-6.0	33.9
500	650	56202.9	8.3	5.0	3.8	-18.7	-5.3	33.2
500	662.5	55995.1	7.6	6.2	3.8	-18.6	-4.8	31.3
500	675	55930.7	7.8	4.9	4.0	-22.7	-5.5	31.6
500	687.5	55915.7	11.2	2.8	4.0	-23.7	-6.1	32.5
500	700	55982.7	7.9	6.5	3.9	-22.7	-4.1	32.0
Line 600								
600	-225	57509.7	8.6	5.1	3.5	0.9	-2.5	33.7
600	-212.5	57425.4	6.3	5.5	3.5	-1.2	-2.6	32.1
600	-200	57117.9	7.9	4.4	3.5	-0.8	-3.5	32.5
600	-187.5	57000.0	6.6	3.7	3.7	0.8	-3.3	33.3
600	-175	56956.6	6.6	2.8	3.8	1.1	-4.1	34.2
600	-162.5	56803.8	6.4	3.3	3.9	1.3	-3.4	35.9
600	-150	56771.8	5.6	0.8	3.9	1.1	-5.8	34.3

600	-137.5	56878.9	5.7	1.3	3.8	-0.5	-4.1	33.8
600	-125	56788.8	4.8	0.8	4.0	2.0	-5.0	33.8
600	-112.5	56756.4	3.7	0.4	4.2	1.9	-4.8	35.7
600	-100	56812.9	2.0	0.0	4.3	0.7	-3.6	36.4
600	-87.5	56909.3	1.9	-1.0	4.4	-2.7	-5.1	35.7
600	-75	56926.4	-0.7	-4.2	4.3	-4.3	-7.0	36.8
600	-62.5	57047.5	-4.9	-6.1	4.4	-8.6	-10.2	34.0
600	-50	57144.9	-5.3	-8.8	4.2	-11.1	-12.3	35.9
600	-37.5	56996.8	-8.1	-8.7	4.1	-11.2	-12.5	34.5
600	-25	57097.2	-7.4	-8.6	4.1	-12.4	-12.6	34.2
600	-12.5	56978.1	-9.5	-9.5	4.1	-13.2	-13.3	34.4
600	0	56881.7	-8.5	-12.2	3.9	-19.1	-18.6	34.2
600	12.5	56948.8	-12.7	-12.7	3.8	-21.9	-18.7	34.2
600	25	56843.9	-28.7	-20.8	5.1	-9.9	-13.2	25.6
600	37.5	56800.6	-16.3	-16.3	3.5	-15.6	-15.2	21.8
600	50	56378.7	-15.1	-14.8	4.0	-22.9	-22.6	34.0
600	62.5	56734.8	-19.3	-20.5	3.9	-29.0	-30.6	34.9
600	75	56681.9	-21.5	-23.2	3.6	-28.4	-32.2	34.4
600	87.5	56788.8	-16.6	-23.7	3.5	-30.6	-32.5	31.7
600	100	56575.4	-17.9	-23.0	3.1	-29.9	-30.9	32.2
600	112.5	56535.1	-16.9	-19.7	3.2	-27.1	-26.3	31.9
600	125	56241.2	-16.0	-17.1	3.4	-25.4	-24.0	31.1
600	137.5	56406.8	-15.5	-16.5	3.4	-25.6	-22.4	32.4
600	150	56334.1	-18.7	-17.6	3.5	-29.6	-24.5	32.6
600	162.5	56395.4	-22.9	-19.8	3.4	-33.1	-25.9	31.8
600	175	56341.9	-26.5	-23.3	3.1	-33.8	-25.0	33.2
600	187.5	55852.9	-23.7	-21.7	3.2	-34.6	-23.1	31.8
600	200	56095.3	-24.8	-19.6	3.1	-32.4	-20.0	32.5
600	212.5	56310.0	-25.5	-23.3	2.8	-37.1	-21.5	30.0
600	225	56454.8	-25.2	-18.7	2.7	-34.6	-18.9	30.0
600	237.5	56608.8	-21.1	-15.5	2.7	-30.3	-16.2	29.7
600	250	56293.5	-19.8	-13.5	2.6	-29.6	-14.7	29.0
600	262.5	56206.1	-16.6	-11.3	2.6	-29.0	-12.7	29.6
600	275	56272.2	-18.7	-10.2	2.5	-26.7	-11.3	29.8
600	287.5	56090.2	-14.3	-8.5	2.7	-24.4	-8.9	30.3
600	300	55706.9	-16.2	-6.9	2.6	-27.0	-8.6	30.5
600	325	55518.5	-20.1	-13.1	3.3	-34.6	-9.7	34.7
600	337.5	55398.1	-17.1	-9.5	3.1	-30.3	-8.4	35.7
600	350	55274.4	-16.5	-7.3	2.9	-26.0	-7.5	35.8
600	362.5	55286.6	-10.2	-7.6	2.8	-24.1	-7.9	36.0
600	375	55354.2	-8.2	-6.5	2.8	-23.7	-9.1	36.5
600	387.5	55492.3	-5.5	-5.1	2.8	-23.9	-9.9	35.4
600	400	55503.2	-6.8	-3.7	2.8	-21.5	-8.4	35.8
600	412.5	55557.0	-4.4	-3.0	2.7	-19.7	-7.2	35.2
600	425	55505.9	-5.0	-0.4	2.6	-20.0	-6.6	34.2
600	437.5	55549.0	-0.8	0.7	2.6	-18.5	-5.0	33.9
600	450	55569.7	0.3	4.4	2.7	-18.2	-4.1	33.8
600	462.5	55511.7	3.0	5.0	2.8	-18.4	-3.1	33.9
600	475	55546.5	5.5	9.2	2.7	-19.7	-2.0	32.7
600	487.5	55487.3	6.8	9.9	2.9	-19.4	-1.7	34.8
600	500	55489.1	5.4	11.5	2.9	-19.5	-1.8	34.5
600	512.5	55553.8	8.1	11.1	3.1	-18.7	-1.0	34.2
600	525	55447.0	10.0	9.0	3.2	-18.9	-0.4	33.5
600	537.5	55734.4	12.8	8.0	3.2	-16.4	0.3	33.8
600	550	56031.1	12.1	9.4	3.3	-15.1	1.3	35.1
600	562.5	55738.5	14.4	8.4	3.3	-14.4	1.5	33.9
600	575	55601.5	12.6	8.0	3.5	-15.0	1.2	33.1
600	587.5	55520.6	16.0	6.8	3.3	-10.6	-0.9	22.5
600	600	55581.1	16.1	5.7	3.5	-15.0	0.0	34.2
600	612.5	55497.3	15.2	6.0	3.6	-16.4	0.7	32.8

600	625	55417.8	17.4	6.1	3.5	-15.8	0.7	34.3
600	637.5	55457.8	15.1	6.8	3.8	-16.3	1.3	34.5
600	650	55584.7	14.6	6.4	3.8	-17.6	1.1	35.7
600	662.5	55651.7	14.6	5.8	3.9	-19.8	1.2	34.6
600	675	56160.0	12.7	6.3	4.0	-21.7	1.3	33.8
600	687.5	55874.1	12.7	5.2	4.1	-25.0	0.2	34.6
600	700	55177.3	10.7	5.7	4.2	-25.2	-0.5	36.1
Line 700								
700	-250	56877.3	21.0	9.6	2.8	6.6	-1.5	26.6
700	-237.5	56774.0	15.7	7.4	3.2	7.0	-3.5	37.9
700	-225	56745.2	15.5	8.9	3.1	8.2	-2.3	38.7
700	-212.5	56572.5	13.8	8.9	3.3	8.0	-1.3	39.7
700	-200	56603.6	14.4	6.6	3.3	4.0	-6.4	39.1
700	-187.5	56607.9	12.6	6.1	3.4	2.5	-6.5	41.0
700	-175	56606.1	12.0	5.8	3.5	1.0	-5.8	41.0
700	-162.5	56633.0	11.2	5.1	3.5	0.9	-6.3	41.2
700	-150	56774.5	11.1	5.5	3.5	-0.2	-6.4	40.6
700	-137.5	56561.9	9.7	5.1	3.7	-0.9	-5.3	42.4
700	-125	56576.9	7.5	4.1	3.7	-3.8	-7.3	41.4
700	-112.5	56599.3	7.2	2.7	3.9	-6.6	-7.8	41.2
700	-100	56603.5	5.6	2.8	3.9	-7.7	-9.1	40.0
700	-87.5	56633.8	5.1	0.3	3.8	-9.5	-10.3	39.4
700	-75	56591.0	1.3	0.4	4.0	-10.7	-9.5	38.5
700	-62.5	56591.7	1.4	1.1	3.7	-10.7	-9.4	37.1
700	-50	56604.5	-0.3	1.3	3.8	-8.8	-7.6	36.5
700	-37.5	56633.3	1.6	1.0	3.8	-9.6	-7.4	36.1
700	-25	56633.3	0.8	0.0	4.0	-9.1	-6.3	37.8
700	-12.5	56642.2	-3.8	-7.6	4.0	-10.9	-9.9	39.7
700	0	56640.1	-5.5	-8.1	4.2	-13.0	-9.8	39.9
700	12.5	56672.2	-5.6	-12.2	3.9	-15.7	-14.0	36.8
700	25	56650.7	-6.5	-11.6	4.1	-13.8	-12.1	38.7
700	37.5	56620.8	-8.2	-13.4	4.0	-15.9	-15.0	35.5
700	50	56642.7	-9.2	-14.1	4.0	-15.8	-14.6	37.7
700	62.5	56641.9	-8.8	-15.4	4.0	-16.0	-14.1	36.3
700	75	56655.5	-8.7	-15.8	4.0	-16.2	-13.7	38.7
700	87.5	56778.6	-8.4	-17.9	3.9	-19.4	-15.4	37.6
700	100	57078.3	-11.7	-16.8	3.8	-18.2	-13.8	36.6
700	112.5	56992.9	-9.1	-18.6	3.6	-22.1	-15.8	36.6
700	125	56765.4	-12.8	-15.4	4.0	-22.9	-14.5	37.7
700	137.5	56770.0	-14.5	-18.9	3.6	-17.2	-12.8	24.8
700	150	56846.5	-15.6	-15.2	3.8	-27.7	-13.9	39.0
700	162.5	56543.8	-15.0	-15.3	3.8	-28.6	-13.1	38.5
700	175	56356.6	-15.7	-15.2	3.7	-30.5	-12.1	37.6
700	187.5	56371.2	-17.5	-15.1	3.6	-31.6	-10.9	35.7
700	200	55830.0	-17.4	-15.6	3.7	-29.0	-8.5	36.8
700	212.5	55724.9	-19.2	-16.8	3.6	-26.5	-7.2	37.7
700	225	55848.1	-18.6	-17.3	3.5	-26.7	-7.0	37.1
700	237.5	56039.8	-17.2	-14.7	3.3	-22.8	-3.5	37.1
700	250	55726.8	-15.0	-13.7	3.3	-20.8	-2.7	36.5
700	262.5	55606.7	-14.9	-11.2	3.2	-23.1	-2.2	34.7
700	275	55648.8	-14.4	-10.6	3.4	-24.0	-2.6	35.2
700	287.5	55751.3	-17.7	-12.7	3.5	-27.2	-4.6	35.0
700	300	55658.4	-17.5	-10.7	3.5	-25.6	-4.0	36.0
700	312.5	55446.3	-18.5	-8.7	3.2	-28.4	-5.0	32.2
700	325	55650.5	-17.2	-5.4	3.3	-23.6	-3.9	34.0
700	337.5	55732.0	-18.0	-5.1	3.5	-23.9	-6.0	34.0
700	350	55863.4	-19.7	-13.3	3.2	-23.6	-8.7	33.4
700	362.5	55857.0	-20.4	-11.7	2.9	-23.6	-7.6	32.5
700	375	55811.3	-15.9	-9.0	2.8	-21.7	-7.2	34.2
700	387.5	55760.4	-14.3	-9.3	2.8	-23.2	-7.9	33.3

700	400	55819.1	-13.9	-7.8	2.7	-21.2	-7.8	32.8
700	412.5	55816.0	-9.1	-7.0	2.7	-21.5	-5.6	33.3
700	425	55652.9	-8.8	-5.0	2.7	-22.3	-2.6	33.1
700	437.5	54971.7	-7.8	-4.0	2.5	-24.9	1.0	32.6
700	450	55229.3	-5.0	-4.5	2.5	-25.2	0.1	32.7
700	462.5	55413.6	-2.8	-2.2	2.5	-23.8	-0.4	32.9
700	475	55257.1	-0.3	0.0	2.6	-21.2	-0.8	32.2
700	487.5	55384.3	1.6	1.0	2.4	-21.3	-1.1	30.1
700	500	55595.0	3.4	5.0	2.4	-14.7	-0.9	33.9
Line	800							
800	-325	56746.5	27.6	13.7	3.0	6.3	3.4	33.9
800	-312.5	56690.4	24.0	15.6	3.2	7.9	4.3	36.7
800	-300	56605.0	22.4	12.0	3.5	7.4	3.3	36.8
800	-287.5	56573.6	21.8	12.1	3.4	6.4	2.9	37.6
800	-275	56545.3	15.9	8.6	3.7	0.0	-0.7	35.8
800	-262.5	56510.6	13.0	7.1	3.8	-3.2	-3.3	36.8
800	-250	56504.5	11.8	4.8	3.6	-5.9	-6.8	36.5
800	-237.5	56514.7	12.3	6.2	3.2	-3.5	-6.1	25.1
800	-225	56516.4	8.9	4.9	3.5	-10.1	-6.6	35.3
800	-212.5	56528.8	22.0	8.9	4.2	-4.5	-5.4	24.8
800	-200	56547.7	10.6	7.2	3.4	-6.6	-5.4	23.2
800	-187.5	56544.2	6.6	5.9	3.6	-12.9	-6.1	36.6
800	-175	56533.0	7.0	4.7	3.5	-13.7	-7.8	35.6
800	-162.5	56520.3	6.7	5.4	3.4	-15.7	-7.1	35.5
800	-150	56540.2	6.8	5.4	3.8	-15.0	-7.2	36.1
800	-137.5	56578.6	5.5	6.4	3.8	-16.0	-6.1	34.9
800	-125	56610.3	4.7	5.1	3.8	-17.6	-7.2	34.1
800	-112.5	56586.1	4.6	5.9	3.8	-17.0	-7.9	34.3
800	-100	56601.3	3.7	6.3	3.8	-18.6	-7.0	33.8
800	-87.5	56629.8	5.9	4.1	4.0	-17.4	-8.0	35.5
800	-75	56676.1	3.5	5.4	4.0	-18.7	-7.9	34.5
800	-62.5	56682.1	2.5	6.1	4.0	-26.9	-14.5	1.2
800	-50	56684.4	1.9	5.3	4.1	-16.8	-5.7	34.2
800	-37.5	56636.5	0.3	4.3	4.0	-19.9	-6.7	32.5
800	-25	56642.8	-0.1	0.8	4.0	-23.4	-9.2	32.8
800	-12.5	56655.4	-1.2	-0.8	4.0	-22.3	-12.7	33.8
800	0	56669.8	-4.1	-3.2	4.2	-23.1	-12.8	35.0
800	12.5	56706.9	-6.4	-6.5	3.4	-23.6	-17.6	34.6
800	25	56706.5	-5.9	-6.6	3.4	-23.9	-17.5	34.5
800	37.5	56696.1	-6.0	-7.5	3.1	-22.5	-19.9	34.0
800	50	56706.1	-8.0	-8.8	3.5	-23.3	-20.9	35.1
800	62.5	56645.4	-7.2	-10.2	3.1	-23.0	-22.2	35.1
800	75	56665.4	-12.0	-12.3	3.8	-25.1	-23.5	35.6
800	87.5	56658.3	-8.8	-12.7	4.2	-23.8	-22.1	35.5
800	100	56634.0	-14.8	-13.8	4.1	-17.1	-18.1	24.1
800	112.5	56786.3	-17.3	-11.0	5.1	-25.4	-20.9	36.8
800	125	56799.1	-21.3	-11.9	4.9	-24.0	-15.8	40.2
800	137.5	56972.7	-23.4	-15.9	4.7	-29.1	-17.5	37.9
800	150	57078.4	-29.5	-14.6	4.2	-35.5	-16.3	35.1
800	162.5	57028.2	-34.3	-18.0	3.8	-42.5	-15.5	35.0
800	175	56792.1	-31.6	-16.9	3.9	-42.2	-17.4	34.8
800	187.5	56273.4	-32.3	-16.5	3.9	-34.3	-12.6	35.4
800	200	55617.3	-32.9	-17.8	3.6	-38.8	-12.8	34.1
800	212.5	55974.6	-33.6	-14.7	3.3	-40.6	-10.5	32.8
800	225	56234.1	-32.6	-16.2	3.2	-38.4	-9.7	31.3
800	237.5	55932.1	-31.5	-14.4	3.1	-36.6	-8.0	32.5
800	250	55960.3	-32.7	-14.3	3.0	-39.0	-8.8	32.1
800	262.5	55816.8	-28.6	-12.3	3.1	-35.2	-8.2	31.4
800	275	55930.4	-28.8	-12.4	2.8	-40.2	-8.8	30.7
800	287.5	55824.7	-24.4	-10.8	3.0	-36.1	-7.0	31.4

800	300	55967.9	-22.1	-8.1	3.2	-33.9	-7.2	31.3
800	312.5	55965.9	-21.2	-8.6	3.2	-33.0	-6.3	31.4
800	325	55993.9	-21.5	-9.0	3.2	-34.6	-5.2	31.4
800	337.5	56033.7	-23.5	-8.0	3.1	-38.8	-3.0	31.6
800	350	55967.9	-26.0	-9.9	3.0	-41.9	-3.8	32.0
800	362.5	55836.5	-27.2	-8.1	3.4	-39.3	-3.7	34.0
800	375	55896.6	-27.8	-13.3	3.2	-43.9	-5.3	33.1
800	387.5	55805.8	-31.8	-11.6	2.9	-44.7	-4.4	32.2
800	400	55739.2	-34.1	-15.1	2.6	-47.2	-3.2	30.7
800	412.5	55436.4	-31.5	-13.8	2.6	-41.4	-1.1	31.8
800	425	55675.7	-31.7	-17.1	2.5	-39.2	-1.2	30.6
800	437.5	55317.7	-28.0	-13.9	2.4	-37.6	-0.8	30.2
800	450	55329.9	-26.8	-12.6	2.4	-34.9	-1.1	30.8
800	462.5	55361.3	-26.6	-14.0	2.3	-34.6	-0.2	30.1
800	475	55325.8	-22.3	-10.2	2.2	-32.7	1.0	29.7
800	487.5	55245.1	-15.1	-6.7	2.1	-28.6	2.5	30.3
800	500	55449.6	-9.4	-4.5	2.2	-20.2	2.7	32.3
800	512.5	55293.7	-7.8	-2.9	2.5	-22.9	1.2	31.9
800	525	55366.8	-16.2	-12.6	2.5	-35.3	-6.3	34.0
800	537.5	55201.3	-18.6	-10.0	2.1	-32.4	-3.5	34.1
800	550	55008.7	-11.2	-3.0	2.0	-34.2	-2.2	32.8

line 900

900	-375	56768.2	26.1	14.0	3.0	11.5	5.8	33.4
900	-362.5	56756.5	24.2	14.7	3.1	10.4	6.0	33.9
900	-350	56667.8	24.6	11.4	3.4	7.4	3.0	34.9
900	-337.5	56616.5	21.9	10.4	3.5	4.5	0.8	35.6
900	-325	56587.3	23.2	9.5	3.3	5.3	-0.6	33.6
900	-312.5	56596.8	20.2	8.4	3.3	2.5	-1.5	34.2
900	-300	56581.1	22.0	7.7	3.2	3.0	-2.6	33.4
900	-287.5	56678.9	21.4	7.6	3.4	-1.6	-3.8	33.6
900	-275	56597.9	20.2	8.2	3.5	-1.4	-4.9	33.5
900	-262.5	56553.5	23.9	9.0	3.3	-0.8	-8.6	32.6
900	-250	56581.7	18.4	8.5	3.6	-4.9	-8.7	33.1
900	-237.5	56569.3	20.0	8.4	3.6	-6.2	-8.4	33.2
900	-225	56563.5	17.8	7.5	3.7	-6.5	-7.2	33.3
900	-212.5	56521.7	19.1	8.5	3.9	-7.4	-8.7	33.0
900	-200	56478.3	20.8	9.3	3.9	-7.1	-9.4	31.6
900	-187.5	56449.9	21.7	7.7	3.6	-7.0	-7.0	22.0
900	-175	56439.9	12.8	3.4	4.1	-9.2	-11.5	31.6
900	-162.5	56455.5	13.3	4.6	3.7	-7.7	-11.9	31.0
900	-150	56423.2	13.8	5.7	3.8	-7.5	-10.6	30.2
900	-137.5	56461.5	12.6	7.3	4.0	-8.2	-10.4	29.8
900	-125	56423.5	14.1	8.2	3.9	-7.7	-11.6	29.8
900	-112.5	56439.5	16.3	5.9	3.8	-7.5	-11.9	29.0
900	-100	56465.6	14.6	7.9	4.0	-6.8	-9.8	30.0
900	-87.5	56583.8	16.0	8.4	3.9	-7.3	-10.2	29.2
900	-75	56671.7	14.0	9.7	3.8	-5.5	-7.8	30.9
900	-62.5	56744.7	13.3	11.2	3.8	-6.7	-7.7	30.1
900	-50	56775.9	11.8	9.2	4.1	-10.3	-7.9	28.6
900	-37.5	56807.1	11.8	9.7	4.1	-9.2	-7.2	29.8
900	-25	56938.8	12.7	9.9	3.8	-6.9	-4.7	19.2
900	-12.5	57016.6	11.4	6.6	4.2	-8.5	-5.7	28.1
900	0	57066.0	7.8	4.5	4.8	-10.9	-4.3	32.7
900	0	57072.9	9.4	5.1	4.4	-10.6	-5.6	29.2
900	12.5	56789.4	6.4	1.3	4.8	-10.5	-5.2	31.8
900	25	56744.1	4.2	-2.7	5.3	-12.0	-6.3	32.8
900	37.5	56877.9	0.5	-4.0	5.3	-13.7	-6.8	32.7
900	50	56642.6	-1.7	-5.5	5.1	-14.9	-6.7	31.8
900	62.5	56566.9	-3.2	-6.8	5.2	-16.0	-6.4	31.9
900	75	56602.8	-3.7	-8.1	5.5	-16.4	-4.6	32.2

900	87.5	56565.0	-7.9	-9.0	5.8	-19.2	-4.4	33.6
900	100	56629.7	-10.3	-13.5	5.4	-24.1	-8.6	33.0
900	112.5	56769.7	-17.5	-18.6	4.9	-30.3	-10.7	34.0
900	125	56821.1	-16.8	-15.1	5.1	-29.9	-7.9	32.9
900	137.5	56980.8	-19.0	-15.2	4.7	-31.0	-7.1	31.9
900	150	56728.3	-23.3	-15.9	4.2	-29.8	-5.9	29.3
900	162.5	56531.8	-20.6	-12.0	4.6	-27.5	-2.9	31.1
900	175	56551.6	-23.6	-16.7	4.0	-28.4	-2.1	28.6
900	187.5	56511.4	-22.7	-15.9	4.0	-24.6	1.0	28.5
900	200	56480.2	-25.5	-21.8	3.6	-24.5	3.1	28.2
900	212.5	56341.3	-24.5	-14.5	3.7	-21.0	3.9	28.0
900	225	55958.4	-24.4	-17.1	3.5	-22.9	2.9	28.8
900	237.5	56052.5	-21.9	-13.2	3.8	-22.1	0.6	30.5
900	250	56040.4	-21.9	-16.0	3.5	-24.7	-0.7	29.3
900	262.5	56214.3	-22.9	-16.2	3.4	-23.9	-1.2	28.2
900	275	56218.0	-19.1	-15.2	3.4	-23.1	-0.5	29.1
900	287.5	55926.8	-18.2	-12.7	3.4	-23.0	-0.2	29.2
900	300	55825.1	-18.7	-8.9	3.5	-20.4	0.4	30.6
900	312.5	55852.3	-15.3	-12.5	3.3	-22.7	0.3	28.8
900	325	55812.3	-14.7	-7.1	3.5	-18.7	1.0	30.8
900	337.5	55834.5	-15.8	-10.8	3.5	-19.0	0.3	31.9
900	350	55902.6	-18.3	-14.5	3.1	-23.7	-0.7	30.1
900	362.5	55837.8	-14.1	-12.0	3.2	-21.3	-0.6	29.4
900	375	55670.3	-14.8	-10.5	3.3	-21.3	0.0	30.5
900	387.5	55674.5	-16.8	-9.6	3.3	-21.8	-2.1	29.6
900	400	55738.8	-18.4	-9.7	3.2	-21.1	-2.1	30.0
900	412.5	55697.7	-14.7	-11.0	3.1	-21.8	-2.5	29.4
900	425	55641.5	-18.1	-11.0	2.9	-21.7	-3.9	28.8
900	437.5	55723.9	-17.7	-7.5	2.9	-22.9	-3.8	28.8
900	450	55716.9	-18.5	-4.5	2.9	-20.8	-2.6	29.5
900	462.5	55743.5	-17.5	-2.9	3.1	-20.0	-1.8	30.4
900	475	55638.1	-20.2	-6.9	3.0	-20.1	-2.2	29.3
900	487.5	55654.5	-22.4	-12.0	2.8	-18.0	-2.0	30.0
900	500	55631.9	-18.9	-14.2	2.7	-18.4	-0.9	29.7

Line 1000

1000	-400	56866.1	25.8	12.3	2.7	5.9	7.3	32.1
1000	-387.5	56762.5	29.9	12.4	2.6	3.0	6.0	23.4
1000	-375	56695.1	46.6	1.3	4.0	2.0	4.0	22.2
1000	-362.5	56609.2	27.8	7.6	2.5	2.5	2.4	22.8
1000	-350	56586.8	29.7	8.1	2.5	2.2	1.1	22.4
1000	-337.5	56602.0	23.2	7.5	2.7	6.2	1.7	32.3
1000	-325	56588.7	24.7	6.4	2.7	4.7	-0.5	33.5
1000	-312.5	56571.0	24.5	5.7	2.8	2.5	-0.7	33.7
1000	-300	56531.2	22.9	6.6	2.9	1.4	-3.4	32.4
1000	-287.5	56526.8	23.8	7.8	2.8	0.8	-4.1	33.8
1000	-275	56509.1	22.8	6.3	2.9	-2.0	-7.0	34.2
1000	-262.5	56497.0	20.2	7.0	3.0	-2.7	-6.9	32.7
1000	-250	56493.8	21.4	5.1	2.9	-3.1	-7.6	32.9
1000	-237.5	56485.6	21.3	5.4	3.0	-5.3	-8.3	32.9
1000	-225	56487.8	24.6	5.9	2.8	-4.3	-9.6	32.8
1000	-212.5	56488.6	21.8	7.6	2.8	-8.0	-11.2	32.5
1000	-200	56484.2	21.2	7.4	3.0	-9.2	-12.8	32.1
1000	-187.5	56457.4	22.2	9.0	3.0	-9.2	-12.5	31.8
1000	-175	56444.9	20.8	8.9	3.0	-9.0	-12.6	30.1
1000	-162.5	56428.3	28.4	14.6	2.8	-5.0	-7.6	20.4
1000	-150	56445.4	26.2	14.3	3.1	-5.2	-9.6	29.3
1000	-137.5	56489.3	35.7	0.0	4.7	-5.0	-5.4	20.7
1000	-125	56581.1	18.9	9.0	3.1	-5.3	-5.3	20.0
1000	-112.5	56585.8	17.7	7.9	3.0	-4.9	-5.5	19.4
1000	-100	56649.6	16.6	9.0	3.0	-5.5	-4.0	19.7

1000	-87.5	56763.5	26.9	5.6	4.3	-4.2	-3.1	19.6
1000	-75	56864.0	16.2	9.5	3.0	-5.2	-2.7	28.4
1000	-62.5	56802.6	17.0	13.7	2.9	-4.8	0.1	19.6
1000	-50	56818.6	16.7	18.2	2.9	-4.3	3.0	28.5
1000	-37.5	56913.3	29.3	14.7	4.6	-4.0	2.2	22.1
1000	-25	56808.8	14.7	18.0	3.1	-5.7	3.9	19.6
1000	-12.5	56927.0	13.5	16.1	3.3	-4.9	6.4	30.0
1000	0	56955.9	12.7	15.3	3.4	-6.1	6.0	30.8
1000	0	56945.0	8.6	8.5	4.4	-10.3	3.3	31.2
1000	12.5	56791.1	6.3	8.6	4.4	-11.2	2.7	31.1
1000	25	56946.1	3.1	6.4	4.4	-12.5	2.1	31.2
1000	37.5	56922.2	5.1	5.9	3.8	-9.8	-2.2	19.9
1000	50	56596.4	2.6	4.5	3.9	-10.6	-1.5	20.4
1000	62.5	56529.8	0.2	3.2	4.4	-15.0	-3.7	31.4
1000	75	56492.2	-1.0	-2.8	4.8	-18.2	-8.9	32.1
1000	87.5	56508.1	-7.0	-5.5	4.7	-21.5	-12.3	31.7
1000	100	56564.9	-7.1	-9.0	4.7	-23.2	-13.4	32.8
1000	112.5	56643.3	-13.8	-11.4	4.6	-24.9	-17.4	31.4
1000	125	56928.3	-15.5	-13.6	4.2	-26.7	-18.4	30.9
1000	137.5	56903.6	-15.8	-14.6	4.0	-25.0	-16.4	31.0
1000	150	56889.5	-15.5	-12.8	3.7	-24.2	-14.5	30.3
1000	162.5	57013.5	-15.0	-9.7	3.8	-21.5	-12.1	31.2
1000	175	56903.8	-17.4	-9.0	3.7	-24.7	-11.5	29.2
1000	187.5	56513.5	-31.5	-3.6	5.0	-12.2	-9.7	21.0
1000	200	56566.6	-19.4	-9.5	3.4	-24.5	-10.9	28.3

Line 1100

1100	-225	56508.0	33.3	7.0	2.8	-14.9	-16.1	32.0
1100	-212.5	56532.3	35.6	9.2	2.7	-16.0	-15.1	32.5
1100	-200	56526.8	34.0	10.6	2.9	-16.2	-12.4	30.5
1100	-187.5	56540.4	26.3	9.4	3.0	-15.0	-7.5	31.4
1100	-175	56549.0	25.8	9.3	2.8	-13.0	-4.6	30.0
1100	-162.5	56638.0	24.7	11.3	2.8	-11.6	-1.5	30.0
1100	-150	56675.5	28.0	17.9	2.6	-6.0	0.6	31.7
1100	-137.5	56828.5	27.6	20.2	2.7	-5.1	2.4	28.9
1100	-125	56837.9	32.7	23.9	2.7	-2.6	3.1	30.1
1100	-112.5	56702.4	29.8	18.0	3.1	-6.1	2.3	30.9
1100	-100	56817.1	26.3	20.2	3.1	-6.6	1.7	31.5
1100	-87.5	56671.8	27.5	20.5	3.3	-8.6	2.1	31.1
1100	-75	56587.8	32.7	22.2	3.1	-5.3	0.7	31.9
1100	-62.5	56561.7	22.0	19.3	3.4	-9.5	0.1	32.8
1100	-50	56455.3	19.8	11.9	3.6	-10.5	-0.2	30.9
1100	-37.5	56463.0	20.3	12.7	3.5	-10.5	-2.7	31.6
1100	-25	56483.1	16.8	10.1	3.8	-12.4	-5.2	31.1
1100	-12.5	56488.0	17.8	12.4	3.6	-10.6	-6.4	31.0
1100	0	56456.6	17.4	13.5	3.6	-9.5	-3.6	33.4
1100	12.5	56421.9	13.2	11.2	4.1	-8.0	-2.0	33.1
1100	25	56393.5	13.7	10.4	4.1	-7.1	-2.1	32.7
1100	37.5	56403.1	12.1	7.5	4.3	-7.5	-2.6	33.1
1100	50	56378.3	10.1	6.3	4.3	-6.6	-4.2	31.3
1100	62.5	56393.0	6.9	4.0	4.4	-9.8	-5.9	31.1
1100	75	56390.6	7.1	0.7	4.5	-11.0	-9.3	31.8
1100	87.5	56395.2	3.2	1.5	4.8	-11.0	-7.3	32.0
1100	100	56430.9	1.4	-2.5	5.1	-9.9	-10.0	31.7
1100	112.5	56440.3	-2.8	-8.8	4.7	-10.5	-13.6	32.0
1100	125	56370.3	-6.0	-9.4	4.9	-9.5	-13.6	30.9
1100	137.5	56294.5	-5.8	-12.1	4.5	-7.2	-14.2	30.1
1100	150	56189.8	-9.0	-13.4	4.2	-4.7	-12.6	30.6
1100	162.5	56139.5	-23.3	-16.5	5.7	-0.9	-6.5	19.7
1100	175	56168.6	-12.4	-13.2	3.8	2.6	-9.7	28.9
1100	187.5	56234.5	-13.2	-11.2	3.9	3.2	-8.3	29.8

1100	200	56049.4	-13.6	-10.5	4.0	2.7	-8.1	30.6
1100	212.5	55772.0	-15.9	-9.2	4.0	1.6	-9.1	31.4
1100	225	55843.4	-18.5	-8.5	4.0	0.5	-10.8	30.2
1100	237.5	56018.2	-20.7	-9.5	3.7	0.1	-12.4	29.7
1100	250	56050.1	-21.8	-10.5	3.5	-1.7	-12.0	31.9
1100	262.5	55910.7	-26.7	-11.4	3.2	-0.6	-11.6	30.5
1100	275	55735.8	-26.9	-12.4	3.3	-8.0	-12.3	31.0
1100	287.5	55746.3	-25.7	-13.4	3.2	-10.0	-10.9	32.9
1100	300	55894.8	-28.8	-11.2	2.8	-9.1	-12.4	31.2

Line 1200

1200	-400	56708.8	22.4	5.7	2.1	-11.3	-13.4	30.7
1200	-387.5	56693.9	22.9	5.1	2.1	-11.8	-12.9	29.7
1200	-375	56567.7	24.1	3.1	2.1	-8.8	-11.0	30.4
1200	-362.5	56653.0	25.9	5.1	2.2	-8.9	-10.4	29.9
1200	-350	56628.1	27.0	5.2	2.2	-8.6	-10.3	30.2
1200	-337.5	56603.8	27.0	4.7	2.2	-8.4	-9.4	29.6
1200	-325	56654.3	28.9	4.8	2.4	-4.6	-7.3	32.3
1200	-312.5	56429.1	26.8	4.7	2.4	-4.6	-7.4	30.7
1200	-300	56530.0	35.8	4.7	2.2	-1.4	-5.1	33.5
1200	-287.5	56543.7	29.9	1.3	2.5	-1.2	-5.6	32.5
1200	-275	56518.0	26.5	2.6	2.6	-3.5	-6.7	32.0
1200	-262.5	56615.1	25.4	1.8	2.7	-7.1	-9.4	31.8
1200	-250	56648.0	26.9	2.5	2.6	-8.1	-7.7	30.0
1200	-237.5	56670.1	28.0	4.5	2.6	-13.6	-9.0	28.6
1200	-225	56593.5	27.4	6.1	2.7	-10.0	-4.2	30.0
1200	-212.5	56566.8	26.0	4.8	2.8	-14.0	-4.1	29.3
1200	-200	56540.3	26.2	3.8	2.6	-15.2	-2.8	28.6
1200	-187.5	56486.0	24.0	5.8	2.8	-12.9	-1.6	29.3
1200	-175	56547.9	25.6	10.5	2.8	-14.1	-0.1	28.8
1200	-162.5	56746.7	28.9	13.5	2.7	-16.4	1.7	28.0
1200	-150	56747.1	27.7	13.7	3.0	-14.2	1.6	28.8
1200	-137.5	56749.2	31.5	16.2	3.2	-9.4	2.9	31.1
1200	-125	56688.2	24.9	15.3	3.2	-14.3	2.9	28.9
1200	-112.5	56731.9	22.3	13.0	4.8	-7.4	3.9	41.4
1200	-100	56577.6	20.2	12.5	5.0	-8.3	2.6	40.7
1200	-87.5	56480.3	20.3	9.3	4.9	-8.5	-1.0	41.8
1200	-75	56405.1	18.7	9.6	3.3	-16.1	-2.8	29.6
1200	-62.5	56368.8	18.4	7.2	3.6	-15.3	-3.5	29.3
1200	-50	56285.9	20.8	9.8	3.5	-13.1	-3.1	28.5
1200	-37.5	56277.5	27.2	12.7	3.2	-8.8	-3.8	19.8
1200	-25	56258.3	17.4	11.2	4.1	-10.6	-1.6	29.0
1200	-12.5	56251.1	19.0	9.9	4.0	-11.6	-1.2	28.4
1200	0	56263.1	13.1	8.4	4.1	-11.2	-2.2	29.3
1200	12.5	56286.2	9.5	6.5	4.2	-9.3	-4.8	30.9
1200	25	56358.9	10.6	8.0	4.1	-11.8	-5.9	29.5
1200	37.5	56282.0	9.2	8.5	4.0	-8.7	-5.4	19.5
1200	50	56365.0	9.2	9.2	3.8	-14.6	-5.5	28.4
1200	62.5	56424.3	7.7	9.6	3.9	-8.2	-3.1	18.8
1200	75	56665.9	6.8	8.2	3.9	-12.3	-2.2	29.7
1200	87.5	56819.4	4.1	3.6	4.5	-11.2	-3.9	29.6
1200	100	56489.4	4.0	1.9	4.8	-12.3	-7.7	31.4
1200	112.5	56723.1	-0.3	-0.1	6.7	-7.1	-7.4	20.9
1200	125	56963.5	-0.5	-4.2	4.5	-16.8	-14.0	30.9
1200	137.5	56673.8	-7.3	-2.5	6.6	-6.9	-11.9	20.6
1200	150	56448.8	-7.5	-5.2	7.1	-6.1	-7.5	20.8
1200	162.5	56454.0	-7.6	-10.9	4.8	-12.0	-8.9	32.7
1200	175	56308.9	-29.0	-14.1	7.0	-6.0	-7.4	21.2
1200	187.5	56290.3	-30.6	-14.6	6.8	-4.9	-6.9	22.2
1200	200	56372.6	-20.0	-18.9	4.2	-8.5	-6.9	21.6
1200	212.5	56343.7	-40.1	-9.9	6.4	-8.6	-5.6	21.8

1200	225	56401.8	-43.2	-4.2	6.1	-9.3	-3.8	19.9
1200	237.5	56270.3	-45.9	-0.1	6.1	-9.2	-1.2	19.4
1200	250	56069.9	-47.3	-1.5	5.8	-5.6	1.5	21.9
1200	262.5	56141.3	-31.2	-10.3	3.6	-12.2	12.8	29.2
1200	275	56050.6	-31.8	-10.2	3.6	-7.6	10.0	20.4
Line 1300								
1300	-400	56721.5	32.4	7.8	1.3	-19.8	-12.7	31.8
1300	-387.5	56945.7	33.3	4.8	1.2	-21.0	-13.1	35.8
1300	-375	56800.6	34.1	5.5	1.2	-17.7	-15.6	31.9
1300	-362.5	56682.2	31.1	3.7	1.3	-16.6	-15.0	31.7
1300	-350	56681.7	33.1	5.7	1.4	-14.0	-14.4	31.3
1300	-337.5	56717.6	32.2	3.9	1.4	-12.5	-12.8	31.0
1300	-325	56730.9	33.1	5.9	1.4	-11.0	-11.8	29.8
1300	-312.5	56781.5	34.0	8.8	1.4	-8.2	-9.8	29.6
1300	-300	56828.3	29.1	7.3	1.6	-6.6	-6.3	31.1
1300	-287.5	56804.0	32.1	8.4	1.5	-5.9	-3.4	20.9
1300	-275	56794.6	28.3	4.5	1.7	-9.9	-5.2	31.2
1300	-262.5	56776.7	28.2	7.4	1.6	-8.2	-4.0	19.3
1300	-250	56754.9	28.3	7.5	1.6	-11.6	-3.8	28.9
1300	-237.5	56623.1	26.8	7.6	1.7	-10.3	-3.4	28.7
1300	-225	56513.8	31.7	12.0	1.7	-10.8	-3.3	26.8
1300	-212.5	56722.7	55.7	-1.2	2.5	-5.3	-1.2	18.6
1300	-200	56605.3	66.5	0.4	2.6	-4.2	1.3	19.5
1300	-187.5	56865.0	71.7	5.3	2.8	-3.1	1.8	19.7
1300	-175	56960.9	47.5	21.7	2.0	0.4	-3.1	26.6
1300	-162.5	56963.8	45.9	18.0	2.1	-1.7	-2.9	27.2
1300	-150	56924.0	43.2	19.6	2.1	-0.2	-2.7	27.3
1300	-137.5	56549.7	46.7	15.6	2.4	2.4	-2.1	27.3
1300	-125	56608.1	70.0	-2.7	4.1	2.1	0.0	17.1
1300	-112.5	56756.2	64.0	-4.3	4.1	3.1	2.0	18.1
1300	-100	56746.5	38.8	12.2	2.7	5.6	0.3	28.3
1300	-87.5	56698.5	66.9	1.0	4.2	9.8	2.1	27.5
1300	-75	56712.3	62.8	3.6	4.3	3.4	1.5	17.9
1300	-62.5	56719.8	60.9	3.0	4.1	3.5	1.7	19.0
1300	-50	56616.9	63.8	2.4	4.5	10.0	2.9	26.3
1300	-37.5	56480.6	62.7	6.3	4.6	8.7	5.4	18.8
1300	-25	56475.3	41.2	15.2	3.0	15.8	5.6	29.7
1300	-12.5	56453.3	36.5	15.5	3.1	16.7	4.0	27.7
1300	0	56441.8	31.4	12.5	3.4	12.4	3.6	30.5
1300	12.5	56339.1	26.3	11.4	3.7	10.4	2.5	31.9
1300	25	56395.8	26.7	8.9	3.8	10.6	0.9	30.8
1300	37.5	56703.5	27.2	7.9	3.6	10.4	-0.4	29.8
1300	50	56578.0	39.2	-2.9	5.4	6.3	-0.9	19.2
1300	62.5	56649.2	26.9	5.2	3.5	10.4	-0.9	29.4
1300	75	56659.9	25.6	6.6	3.5	8.4	-1.7	29.8
1300	87.5	56566.6	27.0	8.2	3.4	10.9	-1.4	28.6
1300	100	56632.0	28.7	10.9	3.6	12.1	0.5	30.3
1300	112.5	56480.6	30.9	15.5	3.5	13.9	2.0	29.8
1300	125	56354.7	31.0	16.4	3.6	19.1	3.7	29.1
1300	137.5	56339.6	23.1	14.7	4.1	16.4	6.5	32.7
1300	150	56359.1	22.1	13.4	4.1	16.6	7.5	32.6
1300	162.5	56368.2	18.8	14.1	4.2	15.0	11.1	32.4
1300	175	56414.3	13.7	12.4	4.4	11.5	13.4	33.0
1300	187.5	56382.0	7.2	10.1	4.4	8.1	18.0	33.8
1300	200	56342.6	2.9	9.7	3.5	4.8	16.2	34.6
1300	212.5	56328.2	1.2	7.5	2.8	2.8	16.0	35.2
1300	225	56358.4	-0.9	5.0	4.9	-1.3	14.6	35.6
1300	237.5	56295.0	-7.5	2.8	4.7	-6.6	14.6	34.9
1300	250	56346.2	-9.1	1.1	4.6	-7.4	14.4	36.2
1300	262.5	56223.6	-14.3	-4.3	4.0	-9.3	13.3	23.3

1300	275	56268.3	-17.8	-6.7	4.0	-7.7	19.0	35.2
1300	287.5	56255.9	-15.8	-5.7	4.0	-8.1	19.6	35.3
1300	300	56247.5	-16.4	-6.5	3.7	-9.0	21.3	35.0
Line 1400								
1400	-400	57427.3	22.4	2.2	2.4	-2.8	-3.3	36.2
1400	-387.5	57388.0	15.6	3.2	2.6	-3.7	-3.3	36.2
1400	-375	57403.3	15.1	2.9	2.7	-10.0	-5.9	34.6
1400	-362.5	57320.2	16.8	2.1	2.8	-7.9	-4.9	34.1
1400	-350	57309.0	16.0	1.9	2.7	-9.4	-2.9	35.3
1400	-337.5	57298.5	11.0	3.9	2.8	-13.2	-3.3	36.4
1400	-325	57276.7	15.2	3.0	2.7	-13.9	-4.2	41.3
1400	-312.5	57282.0	7.1	2.4	3.5	-23.1	-6.8	36.9
1400	-300	57215.5	6.0	2.4	3.4	-33.2	-10.4	32.4
1400	-287.5	57025.9	4.2	1.8	3.3	-33.0	-7.9	30.1
1400	-275	57092.3	6.2	5.4	3.4	-27.2	-2.4	28.0
1400	-262.5	57061.9	6.3	4.7	3.5	-25.2	-2.4	27.2
1400	-250	57008.5	5.6	1.9	3.3	-23.3	-2.2	25.4
1400	-237.5	56936.7	7.7	2.4	3.2	-21.5	-2.3	24.4
1400	-225	56831.2	8.6	2.6	3.1	-15.5	-1.9	24.0
1400	-212.5	56757.1	10.4	3.0	2.9	-13.2	-1.2	23.9
1400	-200	56665.1	13.4	2.7	2.9	-9.6	-0.2	23.7
1400	-187.5	56616.6	12.3	5.5	2.9	-8.1	0.0	22.4
1400	-175	56574.8	14.5	8.3	3.0	-5.1	1.4	22.3
1400	-162.5	56577.1	17.6	7.2	3.0	-3.7	3.0	22.4
1400	-150	56783.1	21.4	7.7	2.8	-1.5	1.3	14.1
1400	-137.5	56917.8	21.2	8.2	3.0	-2.5	4.9	21.4
1400	-125	56924.6	24.9	8.9	3.0	2.2	4.7	21.9
1400	-112.5	56598.0	26.8	10.2	3.1	3.3	5.7	22.9
1400	-100	56782.3	30.8	10.5	3.2	6.0	5.9	22.3
1400	-87.5	56666.9	29.3	12.5	3.3	7.3	6.6	23.5
1400	-75	56785.8	29.1	14.4	3.5	7.3	8.3	23.9
1400	-62.5	56544.2	28.4	14.6	3.6	9.4	7.5	25.6
1400	-50	56541.7	27.7	15.6	3.6	4.1	5.7	16.1
1400	-37.5	56451.8	24.4	6.9	3.8	3.0	4.3	17.0
1400	-25	56527.6	22.4	7.5	3.6	1.5	1.7	17.4
1400	-12.5	56531.1	46.7	0.6	5.0	0.6	1.6	19.7
1400	0	56583.0	47.0	4.0	5.0	0.3	3.1	18.7
1400	12.5	56539.2	23.2	9.0	3.5	6.6	4.4	25.3
1400	25	56476.8	21.4	8.7	3.7	6.1	3.7	26.2
1400	37.5	56572.6	23.1	9.0	3.8	9.2	4.9	26.6
1400	50	56630.6	22.0	9.8	3.9	10.4	6.5	27.3
1400	62.5	56671.7	21.5	10.3	3.9	13.2	7.6	27.4
1400	75	56553.2	23.2	9.7	3.9	12.3	10.9	26.8
1400	87.5	56579.6	20.5	9.5	4.3	13.8	9.6	30.0
1400	100	56472.1	19.7	10.4	4.3	14.6	10.4	30.2
1400	112.5	56395.9	20.4	9.5	4.6	9.5	8.7	31.0
1400	125	56426.3	17.5	10.3	4.5	6.9	10.2	30.5
1400	137.5	56581.3	15.5	12.5	4.6	7.2	11.7	32.5
1400	150	56519.2	14.5	14.4	4.5	1.7	10.3	20.9
1400	162.5	56315.8	14.9	13.9	4.1	0.5	8.1	23.8
1400	175	56350.3	9.2	10.5	4.2	-1.4	6.6	24.9
1400	187.5	56369.6	14.1	7.3	6.1	-3.3	4.6	25.4
1400	200	56356.8	7.2	5.9	6.4	1.6	-2.7	26.1
1400	212.5	56269.1	4.9	4.0	6.5	5.0	-2.6	29.0
1400	237.5	56159.9	-4.8	3.6	5.0	-12.2	6.0	35.8
1400	250	56115.7	-4.6	2.7	4.9	-18.8	5.4	35.6
1400	262.5	56103.0	-7.9	3.2	4.9	-17.7	4.1	36.2
1400	275	56125.2	-9.5	2.1	4.8	-21.0	1.5	36.4
1400	287.5	55882.8	-12.4	2.8	4.6	-24.1	0.5	36.0
1400	300	56042.0	-13.8	2.8	4.3	-31.6	0.3	34.5

Line 1500

1500	0	56315.4	28.2	8.9	3.6	11.7	1.7	35.0
1500	12.5	56355.6	27.6	8.9	3.6	10.8	1.4	36.4
1500	25	56347.6	27.9	12.1	3.6	15.1	3.5	33.8
1500	37.5	56274.4	28.9	14.0	3.6	16.1	5.8	36.4
1500	50	56273.7	25.5	14.9	3.6	10.6	4.2	37.4
1500	62.5	56324.2	24.4	14.4	3.8	10.0	6.8	37.4
1500	75	56299.1	25.0	14.7	3.8	12.5	9.0	35.5
1500	87.5	56286.8	23.7	13.6	4.0	12.2	10.4	37.7
1500	100	56343.0	21.8	15.2	4.2	14.9	12.5	36.9
1500	112.5	56379.3	22.5	15.1	4.2	18.3	15.7	36.3
1500	125	56436.5	19.6	16.7	4.3	19.3	18.6	38.8
1500	137.5	56396.6	16.8	14.1	4.5	16.5	19.0	40.4
1500	150	56498.9	15.8	14.6	4.5	14.0	17.5	42.7
1500	162.5	56588.5	15.1	13.6	4.7	11.9	17.2	42.8
1500	175	56553.6	11.4	8.4	5.1	1.3	11.0	43.7
1500	187.5	56487.7	7.0	2.7	5.3	-6.8	6.0	42.3
1500	200	56440.8	2.0	-1.9	5.1	-12.7	-0.1	39.7
1500	212.5	56426.9	2.4	-5.1	5.0	-17.9	-2.0	37.2
1500	225	56327.2	-0.6	-4.8	5.0	-16.3	-0.4	38.5
1500	237.5	56265.9	-1.3	-4.7	4.8	-17.0	-0.1	36.2
1500	250	56319.6	-1.0	-2.9	4.7	-16.8	1.4	36.5
1500	262.5	56140.9	-2.5	-0.9	4.7	-17.8	2.1	35.7
1500	275	56109.3	-5.3	-0.4	4.6	-20.9	0.6	35.9
1500	287.5	56125.5	-6.0	-2.4	4.6	-24.2	-3.1	36.7
1500	300	56096.0	-8.7	-1.8	4.6	-25.4	-3.4	34.7

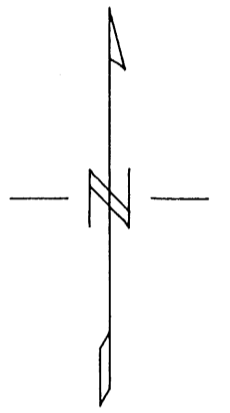
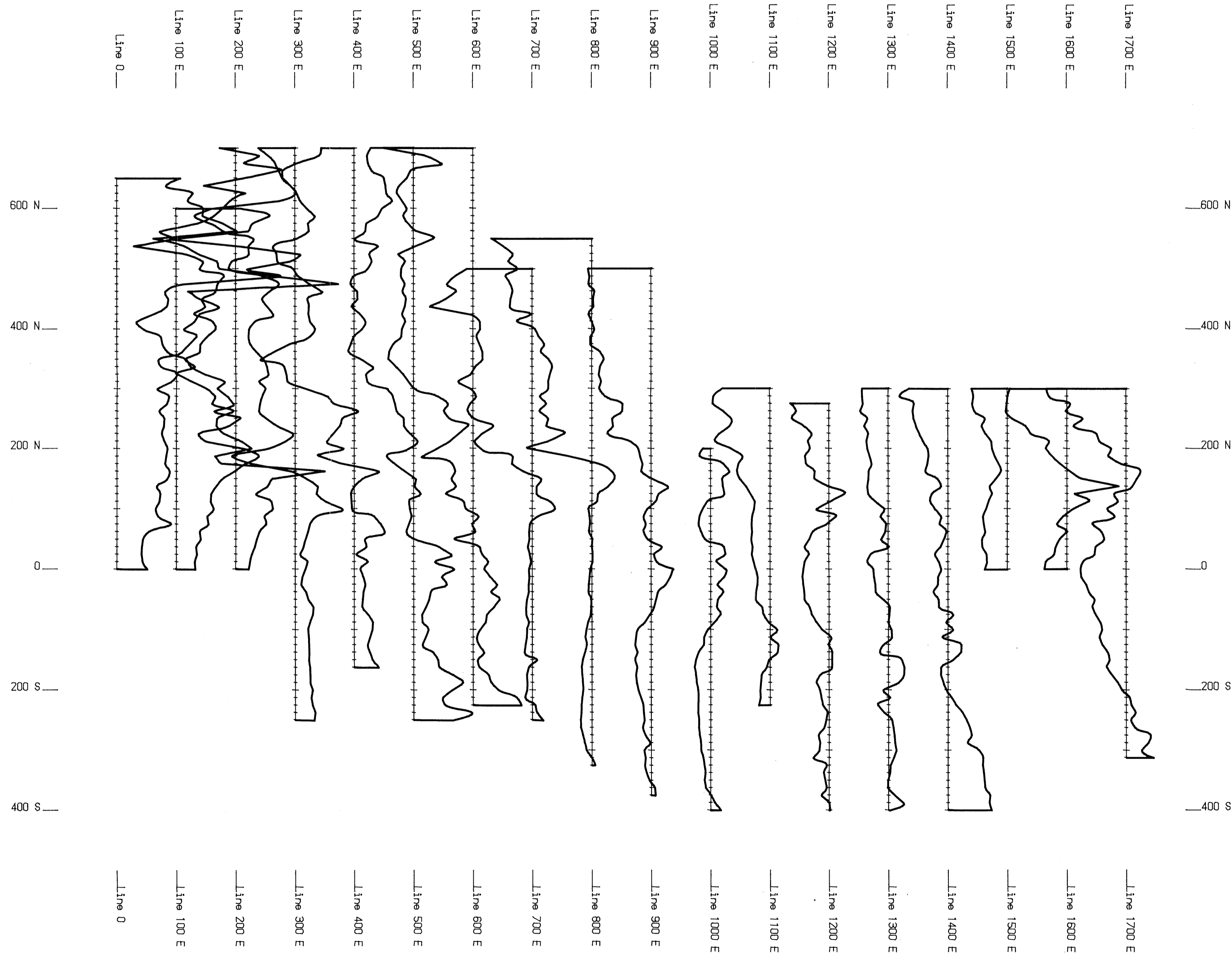
Line 1600

1600	0	56317.2	13.0	9.1	4.1	-3.3	11.4	36.0
1600	12.5	56337.4	9.7	8.7	4.0	-3.6	12.3	35.4
1600	25	56482.9	11.5	10.0	4.1	-5.2	12.2	36.9
1600	37.5	56509.1	11.7	9.6	4.0	-7.7	8.8	38.9
1600	50	56574.6	10.8	11.4	4.3	-9.8	8.6	37.7
1600	62.5	56701.4	10.1	9.2	4.2	-11.7	6.8	37.3
1600	75	56528.5	7.5	9.6	4.4	-14.0	6.8	36.6
1600	87.5	56633.4	6.9	9.4	4.6	-15.9	6.0	37.4
1600	100	56805.3	5.6	8.8	4.7	-15.6	-0.7	25.0
1600	112.5	57068.9	4.0	8.2	4.6	-26.1	5.7	37.4
1600	125	56821.9	5.8	8.2	4.6	-20.9	9.2	36.5
1600	137.5	57570.8	5.1	9.7	4.3	-15.3	4.6	24.8
1600	150	56941.3	4.2	8.1	4.7	-15.4	6.2	23.4
1600	162.5	56739.5	1.2	5.8	4.8	-22.8	10.3	36.9
1600	175	56573.9	-0.5	0.0	4.8	-32.3	0.1	36.6
1600	187.5	56442.3	-2.6	-0.9	5.0	-28.1	0.5	36.3
1600	200	56342.2	-3.5	-2.8	5.0	-29.4	-0.3	37.3
1600	212.5	56392.7	-4.7	-3.8	4.9	-31.7	-1.8	36.6
1600	225	56084.7	-5.7	-6.0	5.0	-32.8	-4.9	36.6
1600	237.5	55997.8	-9.5	-7.1	4.9	-32.6	-6.6	37.3
1600	250	55770.6	-10.0	-9.4	4.7	-36.9	-10.2	37.2
1600	262.5	55666.3	-10.1	-8.3	4.6	-41.9	-12.5	37.3
1600	275	55685.6	-11.7	-7.5	4.4	-43.6	-11.1	38.2
1600	287.5	55697.6	-12.4	-8.8	4.4	-44.6	-12.8	37.9
1600	300	55740.0	-16.1	-8.6	4.4	-36.6	-10.1	39.6

Line 1700

1700	-312.5	57155.6	27.9	12.6	2.4	-2.6	2.0	32.2
1700	-300	56955.9	30.7	13.0	2.4	-3.2	0.9	34.0
1700	-287.5	57068.9	30.4	10.0	2.6	-2.4	0.5	34.1
1700	-275	57105.6	30.0	10.0	2.7	-0.4	1.7	33.7
1700	-262.5	56841.5	24.4	5.3	2.9	2.9	2.6	32.5
1700	-250	56772.2	21.1	3.1	2.9	5.1	1.9	33.2
1700	-237.5	56852.3	21.8	5.5	2.8	6.4	1.7	31.6

1700	-225	56783.5	24.1	6.3	2.7	5.6	1.9	33.3
1700	-212.5	56751.3	22.2	6.6	2.8	7.6	2.3	31.5
1700	-200	56623.8	24.6	5.2	2.9	6.8	-1.3	29.7
1700	-187.5	56553.3	25.4	11.7	2.9	10.1	2.5	31.2
1700	-175	56456.9	28.5	8.9	3.0	7.7	-1.0	30.3
1700	-162.5	56370.0	26.4	9.7	3.0	7.8	-2.6	30.1
1700	-150	56415.1	26.5	8.4	3.1	7.3	-3.7	30.1
1700	-137.5	56386.2	29.9	6.7	3.2	7.2	-4.1	32.4
1700	-125	56298.6	32.9	9.2	2.9	4.7	-3.8	33.8
1700	-112.5	56249.4	30.8	8.8	3.0	3.4	-6.4	33.0
1700	-100	56289.0	30.9	8.7	3.0	4.1	-5.6	33.3
1700	-87.5	56262.4	35.3	13.8	2.9	4.7	-4.6	33.7
1700	-75	56183.2	32.3	13.8	3.1	13.5	-2.3	31.3
1700	-62.5	56127.3	35.1	13.7	3.4	12.5	-1.3	30.3
1700	-50	56165.6	34.2	16.2	3.3	13.8	-0.7	31.0
1700	-37.5	56066.3	39.1	19.6	3.5	16.6	0.1	31.9
1700	-25	56022.1	39.4	21.3	3.6	19.6	1.0	31.5
1700	-12.5	55938.6	35.8	17.8	4.1	26.3	2.5	31.6
1700	0	55924.9	30.0	19.1	4.2	25.4	3.3	31.9
1700	12.5	55962.9	25.3	13.6	4.6	27.1	7.2	31.7
1700	25	56161.9	22.4	15.0	4.5	24.7	7.1	33.8
1700	37.5	56179.7	22.2	12.5	4.7	26.2	8.6	31.9
1700	50	56327.3	23.3	11.1	4.6	21.1	8.7	32.9
1700	62.5	56278.2	20.2	14.5	4.7	26.4	12.9	34.7
1700	75	56127.1	16.9	9.4	4.9	21.1	11.8	35.0
1700	87.5	56503.2	15.2	9.6	4.9	16.5	11.3	33.8
1700	100	56374.1	12.8	9.5	4.9	15.3	11.9	34.6
1700	112.5	56558.5	12.5	7.6	4.9	6.5	8.2	22.8
1700	125	56490.1	10.6	6.3	5.0	9.5	10.1	35.8
1700	137.5	56798.8	10.5	6.6	4.8	8.1	10.6	34.2
1700	150	56871.6	10.8	8.1	4.7	5.4	8.5	23.2
1700	162.5	56938.2	11.0	8.3	4.8	4.3	8.4	24.5
1700	175	56616.8	10.4	6.9	5.1	3.5	6.5	25.9
1700	187.5	56400.3	7.9	3.8	5.3	0.0	4.6	36.8
1700	200	56444.1	5.4	2.5	5.1	-4.1	1.1	26.9
1700	212.5	56245.9	4.1	0.0	5.2	-7.3	-2.3	36.2
1700	225	56197.3	2.7	-0.4	5.2	-12.4	-4.9	37.6
1700	237.5	55808.6	2.0	-4.3	5.0	-8.2	-5.3	26.5
1700	250	55963.3	-1.2	-5.3	5.2	-11.4	-7.7	26.7
1700	262.5	55682.2	-4.2	-7.5	4.7	-15.8	-10.2	25.6
1700	275	55755.2	-4.3	-8.3	4.7	-16.0	-11.0	24.1
1700	287.5	55395.2	-3.4	-11.5	4.7	-29.0	-16.0	36.0
1700	300	55354.4	-9.3	-11.1	4.2	-15.4	-9.0	26.8



Scale 1:5000
 50 0 50 100 150 200 250
 (metres)

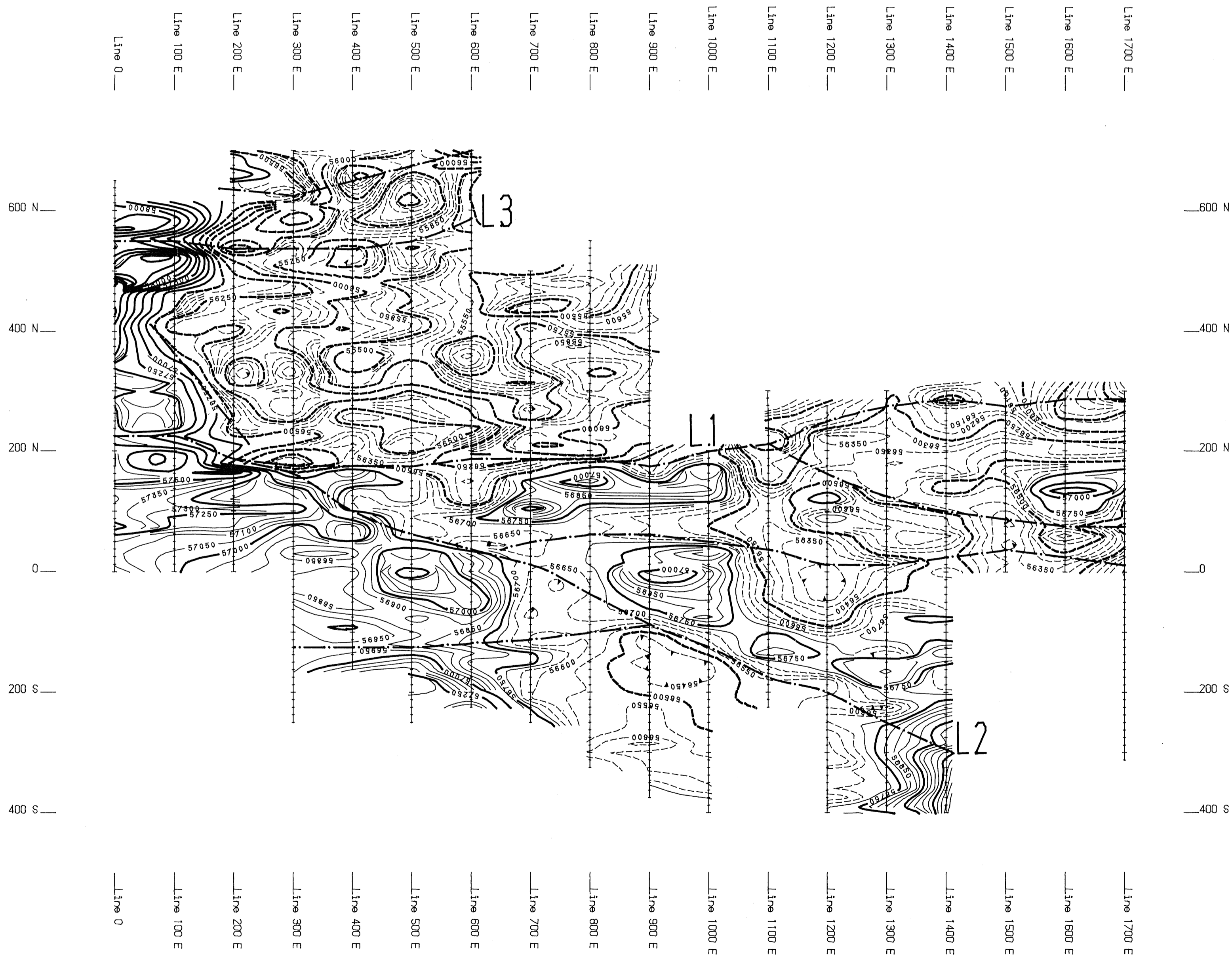
LEGEND

— Magnetic Field Strength
 1 cm. = 500 nT
 Magnetic Field Datum Level = 56700 nT

**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

20,855

WATERFORD RESOURCES INC.
Total Field Magnetic Profiles
ANT CLAIM GROUP (Ant Grid) Atlin Mining Division, B.C. NTS: 104K/08 December, 1990 Figure # 1
<i>Interpretex Resources Ltd.</i>



GEOLOGICAL BRANCH
ASSESSMENT REPORT

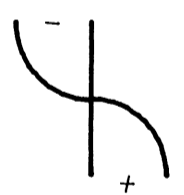



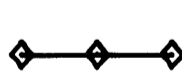
20,855

LEGEND.
Contour Interval
 < 56700 > 56700
 nT
 - - - - - 50 nT
 - - - - - 250 nT
 - - - - - Magnetic Lineament

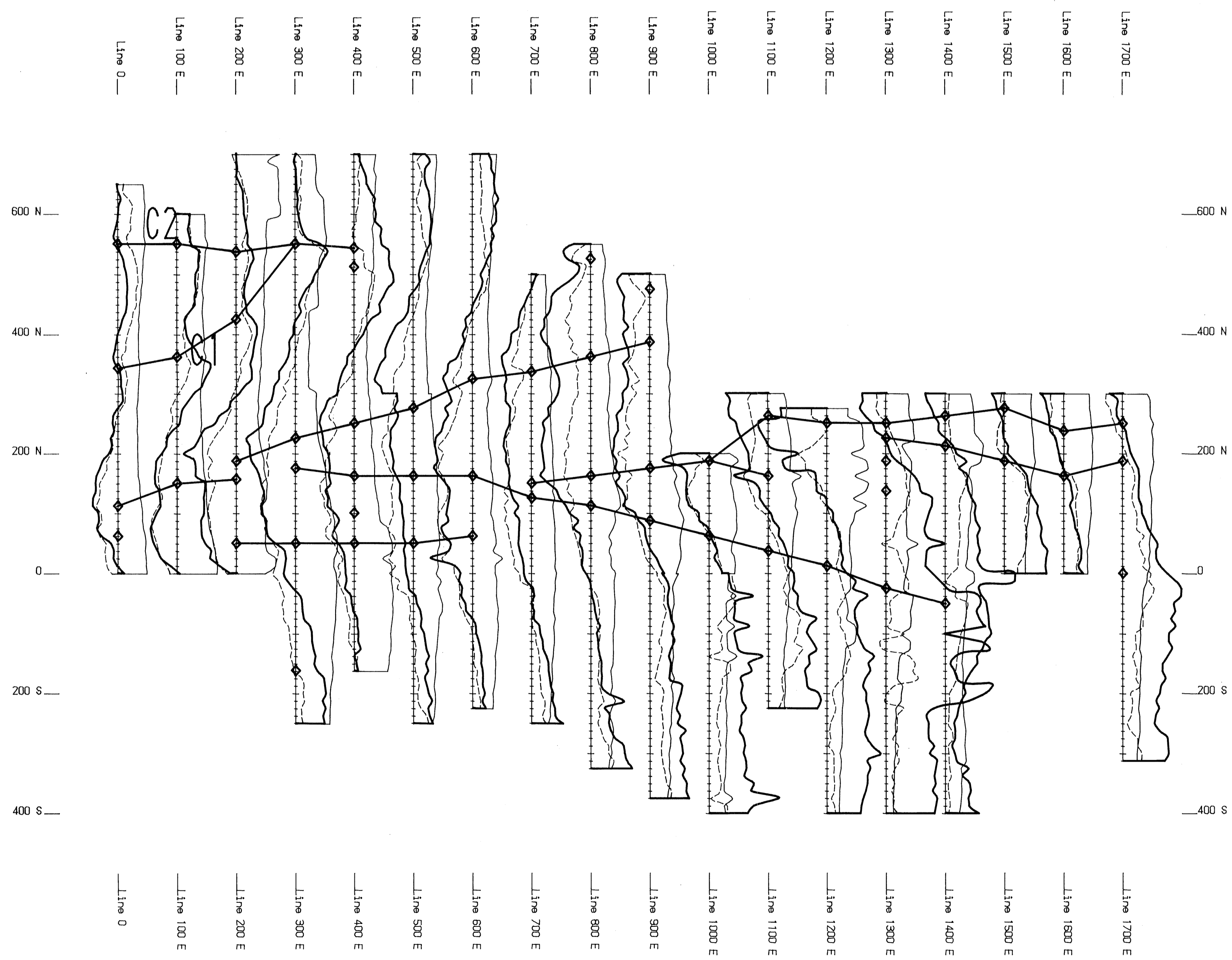
WATERFORD RESOURCES INC.
Total Field Magnetic Contours
ANT CLAIM GROUP (Ant Grid) Atlin Mining Division, B.C. NTS: 104K/08 December, 1990 Figure # 2
<i>Interpretex Resources Ltd.</i>

Scale 1:5000
50 0 50 100 150 200 250
(metres)

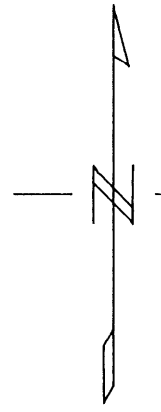
LEGEND NAA, Cutler, Maine

-  Anomalous Inflection (In-Phase)
-  In-Phase } 1 cm. = 20 %
-  Quadrature
-  Field Strength 1 cm. = 5 units
-  VLF-EM Conductor

WATERFORD RESOURCES INC.
VLF-EM Profiles
ANT CLAIM GROUP (Ant Grid) Atlin Mining Division, B.C. NTS: 104K/08 December, 1990 Figure # 3
<i>Interpretex Resources Ltd.</i>

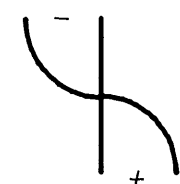

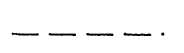
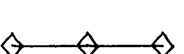


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Scale 1:5000
50 0 50 100 150 200 250
(metres)

LEGEND NLK, Seattle, Washington

-  Anomalous Inflection (In-Phase)
-  In-Phase 1 cm. = 20 %
-  Quadrature 1 cm. = 10 units
-  VLF-EM Conductor

WATERFORD RESOURCES INC.

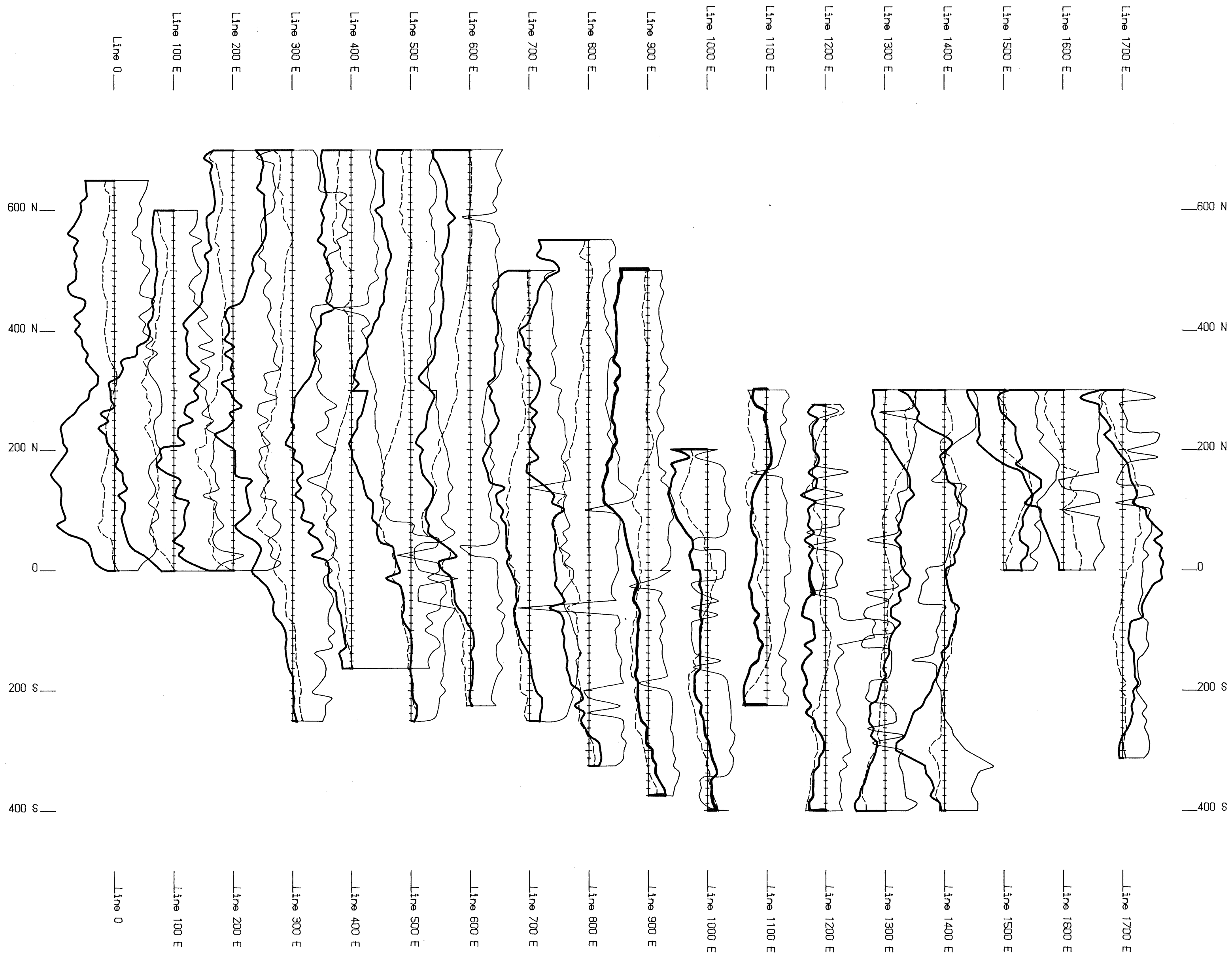
VLF-EM Profiles

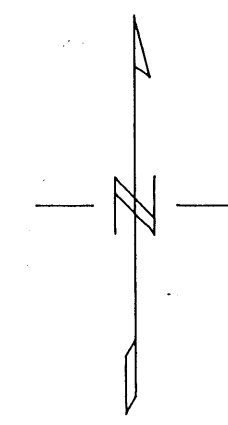
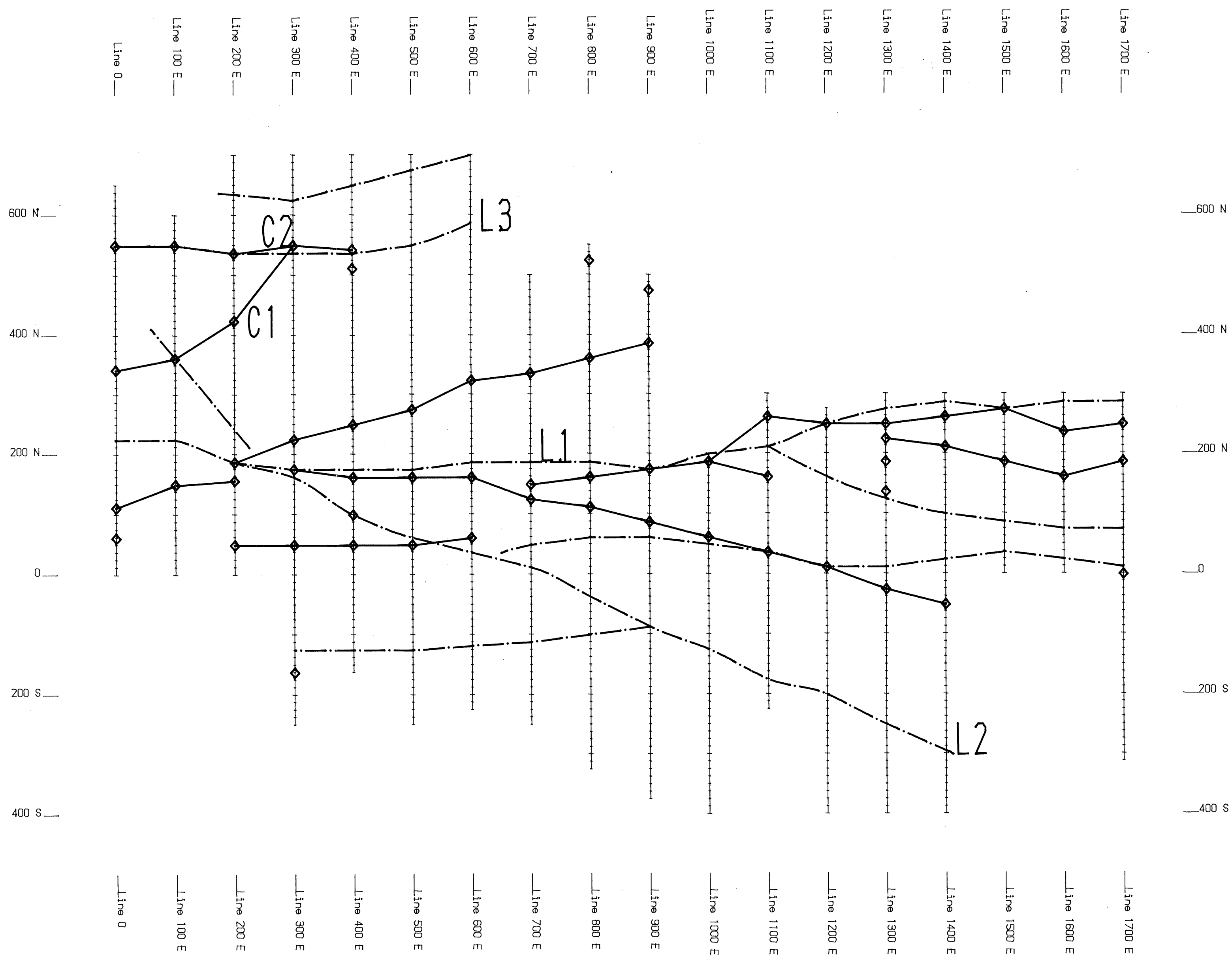
ANT CLAIM GROUP (Ant Grid)

Atlin Mining Division, B.C.
NTS: 104K/08 December, 1990

Figure # 4

Interpretex Resources Ltd.





Scale 1:5000
 50 0 50 100 150 200 250
 (metres)

LEGEND

- — — — — Magnetic Lineament
- ◆ — ◆ — ◆ — VLF-EM Conductor

**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

20,855

WATERFORD RESOURCES INC.
Geophysical Interpretation Map
ANT CLAIM GROUP (Ant Grid) Atlin Mining Division, B.C. NTS: 104K/08 December, 1990 Figure # 5
<i>Interpretex Resources Ltd.</i>