SUMMARY REPORT ON

GEOPHYSICAL SURVEYS

ANT PROJECT

ATLIN MINING DIVISION, B.C.

FOR

WATERFORD RESOURCES INC.

BY

INTERPRETEX RESOURCES LTD.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,987

Vancouver, B.C.
December, 1990

L.M. Bzdel

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

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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.

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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

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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

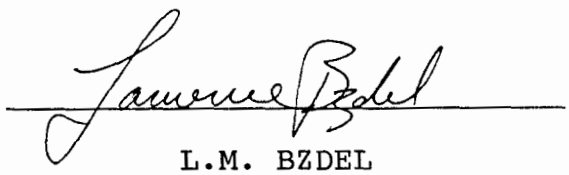
-line 600 E, 0 to 100 N

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



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

EDA

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°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°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

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OMNI IV "Tie-Line" Magnetometer

EDA

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	± 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°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°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
Gradient Sensor (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

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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 STATION	N/S # 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

200	662.5	57439.0	0.0	3.7	7.1	-15.5	-9.6	38.5
200	675	56834.0	0.6	1.5	7.2	-14.2	-10.8	39.1
200	687.5	57094.1	0.1	-0.6	5.4	-19.8	-15.7	33.1
200	700	56431.0	-0.2	-2.3	7.4	-13.4	-12.5	39.1
line 300								
300	-250	57019.2	19.3	4.8	5.8	2.5	6.8	35.0
300	-237.5	57031.6	18.4	4.1	5.8	0.9	5.5	36.1
300	-225	56987.9	19.9	3.9	5.8	0.0	4.8	36.0
300	-212.5	56970.8	18.0	6.0	5.9	0.7	4.6	38.3
300	-200	56986.9	20.2	5.0	5.9	-0.4	5.7	31.7
300	-187.5	56947.2	19.6	5.7	6.0	-0.1	5.2	34.1
300	-175	56946.7	18.9	4.4	6.3	-0.4	4.2	36.0
300	-162.5	56942.3	14.5	-1.3	6.4	-3.0	3.4	36.3
300	-150	56926.4	12.4	-1.9	6.3	-4.2	2.0	35.5
300	-137.5	56930.9	13.2	-3.5	6.1	-5.0	2.3	32.4
300	-125	56926.4	11.8	-2.6	6.4	-5.3	1.9	38.6
300	-112.5	56921.6	10.9	-3.8	6.5	-4.5	1.7	37.0
300	-100	56909.7	10.8	-4.1	6.5	-5.4	1.7	39.4
300	-87.5	56947.2	9.6	-4.9	6.7	-7.9	0.3	36.9
300	-75	56994.5	5.3	-8.2	6.8	-12.4	-4.4	37.0
300	-62.5	57001.6	4.5	-8.2	6.8	-13.7	-5.0	37.7
300	-50	56917.7	4.2	-9.1	7.0	-13.1	-4.3	39.0
300	-37.5	56876.8	3.0	-7.7	7.1	-15.2	-4.1	38.1
300	-25	56797.5	-1.6	-9.6	7.1	-18.0	-5.0	35.9
300	-12.5	56816.6	-5.6	-11.4	7.1	-23.2	-9.5	35.3
300	0	56867.9	-8.2	-15.1	7.0	-27.8	-12.7	38.4
300	12.5	56903.6	-7.3	-13.7	6.5	-25.5	-11.5	35.9
300	25	56776.4	-6.6	-12.3	6.6	-23.0	-9.1	38.9
300	37.5	56833.9	-7.4	-11.3	7.1	-21.7	-8.0	39.4
300	50	56869.2	-13.5	-14.9	7.2	-25.8	-12.3	39.7
300	62.5	56911.4	-19.0	-18.6	7.1	-34.7	-20.1	39.1
300	75	56944.2	-19.8	-20.9	6.6	-38.9	-24.0	36.4
300	87.5	57045.4	-19.8	-19.0	6.8	-33.3	-20.1	37.2
300	100	57499.8	-22.9	-23.3	6.4	-28.8	-17.3	39.8
300	112.5	57215.9	-23.6	-23.5	6.1	-30.3	-18.9	37.7
300	125	57057.0	-21.2	-22.5	5.9	-31.1	-18.1	38.4
300	137.5	57080.4	-21.5	-21.5	5.5	-31.9	-19.2	35.6
300	150	56892.3	-23.3	-22.3	5.3	-27.8	-15.3	30.2
300	162.5	56635.4	-24.5	-18.3	5.2	-39.2	-18.1	35.7
300	175	55990.0	-26.5	-17.9	5.2	-38.9	-18.7	36.9
300	187.5	55635.0	-29.8	-19.5	4.8	-39.0	-17.5	38.2
300	200	56228.3	-30.9	-18.6	4.6	-39.0	-16.2	39.6
300	212.5	56533.0	-31.1	-17.5	4.2	-45.8	-18.8	35.9
300	225	56660.5	-33.3	-18.0	3.9	-52.4	-21.0	33.0
300	237.5	56405.8	-27.1	-15.7	3.7	-44.7	-17.0	36.4
300	250	56218.1	-22.3	-12.5	3.7	-40.2	-14.2	37.3
300	262.5	56084.6	-21.5	-12.1	3.7	-42.9	-14.2	35.9
300	275	56104.2	-20.8	-12.0	3.6	-34.7	-11.0	40.1
300	287.5	56139.5	-16.7	-9.6	3.5	-40.3	-10.9	36.2
300	300	56194.2	-15.1	-6.0	3.6	-42.8	-11.2	34.1
300	312.5	56085.1	-14.7	-8.0	2.2	-48.2	-9.5	33.2
300	325	56249.6	-11.4	-4.3	2.2	-39.9	-7.9	34.9
300	337.5	56225.5	-11.2	-3.4	2.2	-41.9	-7.9	33.7
300	350	56168.3	-7.7	0.0	2.3	-40.4	-6.4	34.2
300	362.5	56043.2	-5.0	0.3	2.2	-46.0	-6.4	32.9
300	375	55943.0	-4.1	0.5	2.4	-39.5	-6.0	34.9
300	387.5	55913.9	-4.4	1.9	2.4	-46.2	-7.7	32.8
300	400	55924.9	-1.5	2.4	2.4	-42.9	-7.5	33.4
300	412.5	56016.1	-1.5	5.4	2.5	-43.3	-8.0	32.5
300	425	56329.9	0.3	6.8	2.3	-45.5	-7.7	31.2

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

SUMMARY REPORT ON

GEOPHYSICAL SURVEYS

TATSA PROJECT

ATLIN MINING DIVISION, B.C.

FOR

WATERFORD RESOURCES INC.

BY

INTERPRETEX RESOURCES LTD.

Vancouver, B.C.
December, 1990

L.M. Bzdel

1.0 INTRODUCTION

A geophysical program consisting of electromagnetic (VLF-EM) and magnetic surveys was carried out on two grids (Tatsa Main and K2) located on the Tatsa 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 2 - 27, 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 20.7 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

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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 (Tatsa Main) and Figure 5 (K2) at a scale of 1:5000
- Magnetic contours are presented on Figure 2 (Tatsa Main) and Figure 6 (K2) 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 (Tatsa Main) and Figure 7 (K2) 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 (Tatsa Main) and Figure 8 (K2) at a scale of 1:5000
- The Geophysical Interpretation Maps are presented as Figures 9 and 10 at a scale of 1:5000 for the Tatsa Main and K2 grids respectively

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 Tatsa Main grid and the Seattle transmitter provided the best signal for the K2 grid. The primary VLF-EM conductor trends of interest exhibit a general east-west strike direction on the Tatsa Main grid and a northwesterly strike direction on the K2 grid. Strike lengths range from 100 - 1800 meters. In-phase responses vary from weak to strong with strong field strength anomalies associated with some VLF-EM trends.

Magnetic lineaments within the survey area have been delineated on the basis of offsets, terminations and disruptions in the magnetic contours.

...3

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. The stronger and more conductive anomalies may indicate the presence of sulphide mineralization within structures.

5.1 Tatsa Main Grid

The VLF-EM data appears to be clean except for the section of line 300 W from 725 S to 1175 S, and all of lines 400 W to 600 W. Here the Seattle field strength appears quite noisy.

Several problems were encountered with the raw magnetic data and corrections were applied before final plotting. A profile plot of the base station data indicates erratic magnetic values from 512.5 S to 712.5 S on line 300 E and from 712.5 S to 975 S on line 0 of the main grid. These spikes may have resulted from an intermittent cable problem between the sensor and the console, low fluid levels within the sensor, or perhaps atmospheric electrical disturbances. The base station values of the previous records on these lines appeared fairly constant, so an average of these values was used to correct the magnetic data.

On line 300 W, 725 S to 1175 S and all of lines 400 W to 600 W of the main grid, the base station values were more than 2000 nanoteslas greater than the remainder of the grid base station values. It is suspected that the base station was moved to a different location when this section of the grid was surveyed. The level shift created was corrected by subtracting 2095 nanoteslas from the elevated base station values and then correcting the magnetic readings as described in section 4.0 Calculations.

Conductor C1 exhibits the best VLF-EM response, characterized by a large in-phase amplitude, a reverse quadrature and a relatively strong field strength. From line 300 W to line 200 E conductor C1 correlates with Tatsa Creek which may contribute, to a small degree, to the conductivity. East of line 200 E Tatsa Creek begins to trend off in a northeasterly direction, while conductor C1 continues in an easterly direction. The strong responses suggest that conductor C1 is responding to a bedrock source, such as massive sulphides, possibly within a structural environment.

VLF-EM conductor C2 extends over a strike length of 1800 meters and is thought to represent an east-west trending fault zone. The response amplitudes range from weak to moderate with the best responses between lines 100 E and 200 E. From line 1000 E to line 1500 E conductor C2 divides regions of relatively high and low magnetic intensities, likely representing a faulted contact in this area.

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Conductor C3 extends for 700 meters from line 1400 E to line 700 E. At line 700 E C3 appears to be terminated by interpreted magnetic lineament L1. This conductor is characterized by a moderately strong in-phase, a poor quadrature, and a moderate field strength response. Superimposing this VLF-EM trend on the magnetic profiles indicates that conductor C3 correlates with a weak magnetic high trend from line 1000 E to line 1400 E. Conductor C4 exhibits similar profile characteristics and magnetic correlation as C3, and may therefore be a continuation of C3 that has been offset by a fault. The correlation with increased magnetic intensity suggests possible magnetic sulphides, such as pyrrhotite, along these trends.

Conductor C5 correlates with a trough of low magnetic intensity that appears to form the northern boundary of a region of increased magnetism located in the southwest section of the grid. The best VLF-EM response along this trend is at line 100 E, 475 S. This conductive trend is believed to represent a fault/contact zone.

Conductor C6 is located along a seam of lower magnetic intensity within a region of overall higher magnetic activity. This relatively weak conductor is also interpreted as a structural feature.

Conductor C7 correlates with magnetic lineament L1, and likely represents a structure. The most important section along this conductor is from line 200 W to 100 E where the in-phase and quadrature show moderate response amplitudes.

Other unlabeled conductors on the Tatsa Main grid probably reflect structural environments in the area but are believed to be less significant and should be explored only after more important conductors have been investigated unless geological and/or geochemical information can be used to enhance their priority.

The magnetic data has delineated a number of distinctive magnetic environments within the main grid (Figure 2). The southernmost section of the grid, labeled M1, exhibits the greatest magnetic activity and strongest intensity in the survey area. This magnetic unit is bounded to the north by conductor C5 and appears open to the south and east.

M2 is an east-west trending feature of higher magnetic intensity extending from line 300 W to line 500 E between approximately 200 S to 400 S. The magnetic lows that flank M2 may be a result, in part, of the negative field produced by the dipole effect of the more magnetic body that is thought to represent a dike-like intrusion.

Another region of higher magnetic intensity, M3, is located in the northeastern region of the grid. M3 is bounded to the south and north by conductors C2 and C8 and to the west by lineaments L1 and L2.

...5

The remainder of the Tatsa Main grid exhibits a generally less active magnetic environment.

5.2 K2 Grid

The VLF-EM survey has delineated several interesting conductive trends on the K2 grid. In-phase, quadrature and field strength responses vary from weak to moderate. Between lines 50 S and 100 S conductor C10 appears to split into two trends. Along the western edge of the grid on lines 0 S to 100 S there is the start of a strong in-phase and field strength response. Further coverage to the west is needed to better define the extent and significance of this trend (see Figure 8).

Interpreted magnetic lineament L3 defines a sharp contrast in magnetic environments on the K2 grid (Figure 6). The sharp contrast defined by L3 is believed to represent a fault or contact zone between more magnetic and less magnetic rocks. North of L3 the magnetic profiles display an increase in magnetic intensity and activity, whereas to the south of L3 the magnetics exhibit a quiet magnetic environment.

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 or a low frequency electromagnetic method. Drilling or trenching would then be in order to test for subsurface mineralization.

The following locations are recommended in order of geophysical priority for detailed investigations on the ground:

Line #	Station #	Conductor #
300 E	162 S	C1
400 E	150 S	C1
500 E	150 S	C1
600 E	15 S	C2
800 E	50 N	C2
900 E	75 N	C2
1300 E	300 N	C3
1500 E	375 N	C4
100 E	475 S	C5
200 W	925 S	C6

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100 W	112 S	C7	
1100 E	375 N	C8	
100 S	262 E	C9	(K2)
150 S	200 E	C10	(K2)
150 S	175 E	C10	(K2)
0	25 E	(K2	grid)
100 S	25 W	(K2	grid)

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

-line 800 E, 250 N to 400 N
-line 900 E, 250 N to 400 N
-line 1000 E, 200 N to 300 N
-line 400 E, 300 N to 400 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.

If encouraging results are obtained along conductors C1 and C4 then an extension of the grid to the south and east and further magnetic and VLF-EM coverage are recommended.

Respectfully Submitted

INTERPRETEX RESOURCES LTD.

Surrey, British Columbia

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

EDA

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°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°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

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(303) 422-9112

Printed in Canada

OMNI IV "Tie-Line" Magnetometer

EDA

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	± 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°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°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
Gradient Sensor (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

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APPENDIX II

VLF-EM and Magnetic Data List

INTERPRETEX RESOURCES LTD. Data Listing
Area: ATLIN M.D. Current File Name: TDAT.WR1
Grid: TATSA From File Name: T.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 STATION	N/S # 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.
line 0								
0	-975	58455.4	20.8	5.5	7.7	11.9	4.8	32.8
0	-962.5	58325.1	15.3	-1.7	8.3	12.2	3.2	34.9
0	-950	58259.3	10.8	-4.6	8.2	10.8	3.2	34.6
0	-937.5	58272.5	8.4	-5.5	8.2	11.0	3.2	34.9
0	-925	58342.8	5.8	-7.5	8.2	11.1	2.1	35.2
0	-912.5	58579.2	2.5	-8.5	8.1	12.2	4.7	35.5
0	-900	58845.1	0.0	-9.9	7.9	13.0	3.3	36.1
0	-887.5	58529.6	-1.9	-11.1	8.0	12.7	2.5	36.2
0	-875	57950.5	-3.4	-11.2	8.0	12.7	4.0	36.1
0	-862.5	58107.9	-5.0	-9.2	7.9	13.7	5.4	36.3
0	-850	58182.1	-7.1	-8.4	7.8	13.8	5.9	36.5
0	-837.5	58211.7	-5.5	-7.2	7.7	11.5	4.9	36.2
0	-825	58179.5	-4.9	-5.5	7.7	11.7	4.2	36.0
0	-812.5	58046.1	-6.6	-6.1	7.8	9.7	3.8	35.7
0	-800	58042.0	-7.7	-6.2	7.7	9.1	3.2	36.1
0	-787.5	58080.6	-9.2	-7.4	7.8	7.1	1.9	36.3
0	-775	58165.5	-11.2	-8.2	7.7	5.0	0.5	36.4
0	-762.5	58449.5	-13.2	-9.6	7.4	2.4	-0.9	36.0
0	-750	58362.8	-14.7	-9.4	7.1	0.8	-1.4	35.2
0	-737.5	58275.1	-12.3	-8.6	7.1	1.9	-1.5	35.3
0	-725	58166.0	-11.3	-8.0	7.0	1.3	-1.8	35.5
0	-712.5	57933.9	-11.2	-6.6	7.0	1.4	-1.9	35.4
0	-700	57935.1	-14.3	-9.1	5.0	-1.0	-3.9	34.8
0	-687.5	57953.0	-16.1	-8.4	5.0	0.8	-3.5	35.2
0	-675	58147.3	-17.4	-8.3	4.8	3.1	-3.1	34.9
0	-662.5	58206.2	-18.3	-8.6	4.8	4.4	-3.0	34.2
0	-650	58265.4	-19.1	-8.9	4.6	7.1	-1.6	33.2
0	-637.5	58226.3	-19.2	-7.0	4.5	9.0	-0.2	33.0
0	-625	58266.2	-16.6	-6.0	4.4	10.5	0.4	33.0
0	-612.5	58389.8	-15.6	-6.5	4.3	11.7	0.9	32.5
0	-600	58192.6	-12.8	-4.7	4.3	12.7	0.2	32.5
0	-587.5	58171.2	-10.1	-5.5	4.3	12.8	0.4	33.0
0	-575	58140.3	-8.0	-4.5	4.3	12.2	0.3	32.5
0	-562.5	58011.7	-5.9	-4.7	4.3	11.5	-0.2	32.8
0	-550	58030.2	-2.5	-3.1	4.3	11.7	0.0	32.9
0	-537.5	58225.2	-0.4	-1.7	4.4	12.0	0.4	33.4
0	-525	58075.7	2.2	-2.3	4.5	12.1	0.0	33.8

0	-512.5	57874.0	2.6	-0.8	4.6	11.0	-0.3	33.9	
0	-500	57945.8	3.0	-1.1	5.3				
0	-487.5	57891.0	1.4	-3.3	5.4				
0	-475	57599.6	-1.8	-4.3	5.5	(no Seattle data)			
0	-462.5	57017.5	-8.2	-7.8	5.5				
0	-450	56982.6	-6.8	-7.9	5.2				
0	-437.5	57159.7	-1.1	-5.3	5.3				
0	-425	57217.7	-0.6	-4.5	5.5				
0	-412.5	57312.9	-7.9	-10.3	5.5				
0	-400	57552.3	-5.7	-9.7	5.3				
0	-387.5	58182.7	-6.5	-10.9	5.3				
0	-375	58381.6	-9.6	-15.7	5.3				
0	-362.5	57992.9	-4.8	-17.4	5.0				
0	-350	57797.3	-0.8	-16.3	4.8				
0	-337.5	57845.3	3.2	-14.6	4.9				
0	-325	57882.8	7.4	-15.0	5.1				
0	-312.5	57490.7	13.4	-11.8	5.4				
0	-300	57360.2	14.8	-11.4	5.7				
0	-287.5	57420.8	11.4	-4.1	6.1				
0	-275	57415.0	6.4	-2.0	6.4				
0	-262.5	57402.1	-1.7	3.0	6.2				
0	-250	57547.4	-1.0	9.3	5.9				
0	-237.5	57615.9	-1.8	10.1	5.5				
0	-225	57646.2	0.4	9.2	5.5				
0	-212.5	57661.1	-1.3	7.9	5.4				
0	-200	57609.0	-4.1	5.9	5.3				
0	-187.5	57636.7	-9.3	5.5	5.2				
0	-175	57564.9	-6.6	2.9	4.7				
0	-162.5	57559.5	-0.6	3.1	4.5				
0	-150	57587.0	7.3	4.7	4.3				
0	-137.5	57603.9	17.5	6.6	4.5				
0	-125	57627.3	21.2	7.0	4.6				
0	-112.5	57570.8	25.7	4.0	5.0				
0	-100	57618.7	19.7	-1.1	5.4				
0	-87.5	57720.5	14.8	-4.0	5.5				
0	-75	57725.4	12.9	-5.6	5.5				
0	-62.5	57711.3	9.5	-6.4	5.5				
0	-50	57763.8	9.5	-5.8	5.4				
0	-37.5	57692.9	10.9	-5.0	5.6				
0	-25	57764.5	10.3	-5.9	5.8				
0	-12.5	57810.9	6.8	-6.3	5.8				
0	0	57828.3	5.3	-4.4	5.9				
0	12.5	57810.3	2.7	-4.1	6.0				
0	25	57841.1	0.7	-3.1	6.0				
0	37.5	57829.2	-1.8	-0.9	6.0				
0	50	57847.6	-6.0	0.0	5.9				
0	62.5	57813.4	-6.3	1.8	5.7				
0	75	57823.4	-6.9	1.8	5.5				
0	87.5	57863.5	-3.2	3.3	5.3				
0	100	57867.3	-0.7	4.3	5.4				
0	112.5	57913.7	-0.6	3.4	5.5				
0	125	57907.9	-1.2	2.9	5.5				
0	137.5	57910.9	-3.7	1.4	5.4				
0	150	57919.7	-2.9	1.2	5.4				
0	162.5	57911.2	-1.1	1.1	5.2				
0	175	57901.6	2.3	1.2	5.3				
0	187.5	57860.4	3.1	0.7	5.3				
0	200	57860.9	4.0	1.2	5.3				
0	212.5	57931.0	5.7	0.1	5.3				
0	225	57913.7	7.6	1.4	5.4				

100	-412.5	57392.5	-14.4	-9.2	4.4	-9.5	-2.8	34.0
100	-400	57557.5	-11.4	-9.0	4.2	-7.8	-1.9	33.3
100	-387.5	57699.1	-9.2	-6.9	4.2	-5.5	-1.1	33.1
100	-375	58219.9	-6.9	-6.8	4.1	-4.6	-0.9	33.2
100	-362.5	58596.8	-5.0	-9.9	4.0	-4.1	-0.8	33.6
100	-350	58605.8	-3.3	-12.0	4.0	-3.9	-1.4	33.4
100	-337.5	58053.2	0.0	-11.3	3.9	-2.4	-1.9	32.8
100	-325	57680.0	6.1	-11.8	3.9	-1.7	-2.4	32.6
100	-312.5	57854.2	8.0	-12.3	4.0	-0.9	-1.9	32.5
100	-300	57101.5	11.0	-13.0	4.1	1.9	-2.5	31.9
100	-287.5	57134.5	17.9	-14.1	4.4	4.4	-4.3	32.2
100	-275	57075.3	21.2	-12.7	4.5	6.9	-4.0	32.1
100	-262.5	57151.7	26.4	-8.3	4.8	9.4	-3.3	32.5
100	-250	57456.7	24.6	-6.3	5.6	9.2	-2.5	34.1
100	-237.5	57597.6	-1.4	-3.5	6.5	-4.2	-0.6	35.7
100	-225	57589.2	-7.6	1.8	6.5	-8.2	3.4	35.1
100	-212.5	57631.5	-16.5	5.3	6.6	-13.5	6.3	35.1
100	-200	57648.3	-35.9	3.0	6.0	-26.1	5.2	33.3
100	-187.5	57408.0	-31.6	6.0	4.8	-21.1	5.9	31.5
100	-175	57447.1	-24.2	4.7	4.5	-18.7	5.5	31.7
100	-162.5	57490.3	-18.9	4.4	4.3	-16.8	4.3	31.9
100	-150	57492.1	-14.9	2.2	4.0	-15.6	3.4	30.9
100	-137.5	57517.6	-9.7	2.9	3.9	-13.1	4.6	31.2
100	-125	57541.5	-4.2	3.2	3.8	-12.0	4.5	31.1
100	-112.5	57569.8	2.7	4.1	3.8	-10.0	4.6	31.1
100	-100	57592.6	8.2	3.9	3.8	-8.6	4.9	31.1
100	-87.5	57603.7	13.0	4.1	3.9	-8.3	5.7	31.0
100	-75	57643.9	18.7	2.9	4.0	-7.2	5.6	30.7
100	-62.5	57656.1	21.9	2.8	4.1	-6.3	6.7	30.7
100	-50	57662.1	26.6	4.2	4.3	-5.1	7.3	30.7
100	-37.5	57665.9	28.7	1.6	4.6	-5.5	6.4	30.7
100	-25	57687.9	25.5	-1.5	4.8	-6.8	4.9	30.6
100	-12.5	57704.8	22.3	-2.0	4.9	-6.6	3.7	30.2
100	0	57760.8	19.4	-2.8	5.0	-5.8	2.7	30.6
100	12.5	57821.9	9.2	-3.6	5.0	-5.9	0.9	30.6
100	25	57850.1	9.3	-5.3	4.9	-5.0	0.3	30.1
100	50	57867.5	8.2	-2.0	4.8	-4.6	0.5	29.6
100	62.5	57893.1	10.3	-0.4	4.8	-2.2	0.5	29.2
100	75	57947.2	11.4	2.4	4.9	-1.0	0.9	29.7
100	87.5	57931.0	12.6	3.5	4.9	1.9	0.8	29.6
100	100	57838.7	15.2	5.4	5.1	3.5	0.6	29.6
100	112.5	57826.7	14.5	5.3	5.2	4.9	0.7	29.8
100	125	57810.1	8.9	5.6	5.3	5.7	0.6	30.0
100	137.5	57815.3	2.5	4.9	5.1	4.9	2.0	30.9
100	150	57812.7	3.4	6.3	4.9	5.0	1.5	30.9
100	162.5	57822.6	7.0	7.4	4.8	5.5	1.5	31.0
100	175	57848.1	9.5	6.9	4.9	6.0	1.1	31.0
100	187.5	57855.2	9.1	4.9	5.0	5.0	-0.2	31.3
100	200	57886.6	7.3	4.7	5.0	4.8	-0.2	31.0
100	212.5	57840.2	7.6	4.4	4.8	4.9	-0.3	31.0
100	225	57855.6	9.2	5.5	4.9	5.1	-0.1	31.2
100	237.5	57822.2	10.0	4.4	5.1	4.7	0.2	32.2
100	250	57858.1	6.6	1.7	5.0	0.6	-1.0	32.0
100	262.5	57857.2	6.9	1.0	4.9	-0.1	-1.7	31.5
100	275	57846.6	6.7	0.5	4.8	-1.7	-2.0	31.0
100	287.5	57840.4	7.7	-0.3	4.7	-0.8	-1.8	30.9
100	300	57841.5	10.2	-1.8	4.7	-0.6	-3.0	29.9
100	312.5	57845.8	10.6	-0.8	4.6	0.3	-2.3	29.9
100	325	57819.9	13.8	-0.4	4.5	0.5	-3.4	29.7
100	337.5	57860.5	15.9	-1.0	4.5	1.8	-3.1	29.9

100	350	57915.5	17.7	-0.2	4.6	2.6	-2.9	30.3
100	362.5	57790.2	22.1	0.0	4.6	4.1	-4.0	30.1
100	375	57764.0	23.6	-0.3	4.7	4.5	-4.0	30.6
100	387.5	58046.7	25.4	-0.4	4.8	5.1	-3.5	30.8
100	400	57892.1	24.7	-1.1	4.9	4.1	-4.7	31.0
100	412.5	57941.4	26.8	-3.8	4.9	5.2	-4.6	30.9
100	425	57931.4	26.0	-3.1	5.0	5.2	-5.2	31.2
100	437.5	57944.6	25.3	-3.2	5.1	4.4	-5.8	31.4
100	450	57922.4	25.3	-4.9	5.1	4.8	-5.6	31.2
100	462.5	57917.2	23.5	-4.1	5.1	4.2	-5.1	31.4
100	475	57937.6	23.4	-4.2	5.2	3.8	-5.4	31.5
100	487.5	57929.1	23.7	-4.8	5.2	5.2	-4.9	31.8
100	500	57925.3	22.9	-3.3	5.3	3.2	-5.6	31.8
line 200								
200	-775	58859.7	21.9	3.5	7.9	2.4	0.7	32.9
200	-762.5	58904.8	16.7	-1.5	8.2	1.9	0.4	33.3
200	-750	58758.5	13.2	-4.3	8.5	3.1	1.1	33.9
200	-737.5	58773.1	8.3	-5.5	8.9	3.0	0.5	34.2
200	-725	58921.5	2.2	-8.0	8.9	2.9	0.0	34.8
200	-712.5	58968.6	-5.3	-10.0	8.7	1.8	-0.6	35.3
200	-700	58909.4	-10.0	-11.4	8.2	1.2	-0.6	35.4
200	-687.5	58937.7	-12.7	-11.5	8.0	-0.5	0.5	35.7
200	-675	58546.4	-15.7	-12.6	7.8	-1.3	-1.1	35.8
200	-662.5	58500.1	-18.4	-12.5	7.6	-1.6	0.1	36.3
200	-650	58382.2	-21.9	-14.2	7.5	-4.1	-0.1	36.1
200	-637.5	58351.9	-26.6	-16.2	7.2	-6.6	-1.4	35.6
200	-625	58416.0	-26.0	-14.7	6.9	-5.8	-0.1	34.2
200	-612.5	58394.4	-25.2	-13.7	6.7	-4.5	1.1	33.7
200	-600	58409.6	-24.0	-11.5	6.7	-4.2	1.6	34.2
200	-587.5	58418.8	-22.7	-11.6	6.6	-3.3	1.7	34.5
200	-575	58643.4	-21.7	-8.9	6.4	-3.9	2.3	34.5
200	-562.5	58812.5	-21.1	-9.0	6.4	-3.5	1.8	34.0
200	-550	58798.6	-20.2	-9.2	6.3	-4.0	1.6	33.9
200	-537.5	58757.5	-20.2	-8.8	6.1	-5.1	0.8	34.0
200	-525	59083.7	-17.7	-7.0	6.0	-3.5	1.3	33.9
200	-512.5	59170.8	-14.0	-7.1	5.9	-3.8	1.2	33.9
200	-500	58724.1	-11.6	-5.0	4.7	-2.4	0.6	34.1
200	-487.5	58635.2	-11.4	-6.9	4.8	-2.4	0.9	34.2
200	-475	58630.3	-7.9	-4.8	4.9	-1.3	1.0	34.5
200	-462.5	57928.7	-10.5	-5.4	5.2	-2.9	0.0	35.5
200	-450	56964.8	-19.1	-9.9	5.1	-9.1	-2.7	35.0
200	-437.5	57056.8	-20.4	-10.4	5.0	-9.7	-2.4	35.0
200	-425	57172.5	-21.5	-8.9	4.7	-9.6	-2.3	34.0
200	-412.5	57244.9	-20.6	-8.6	4.6	-8.8	-0.9	33.5
200	-400	57340.9	-18.6	-6.7	4.5	-7.6	0.1	33.4
200	-387.5	57524.9	-16.2	-4.4	4.4	-6.8	0.5	33.5
200	-375	57824.9	-15.9	-3.7	4.4	-6.0	1.4	33.6
200	-362.5	58341.3	-18.3	-5.5	4.4	-7.6	0.0	34.0
200	-350	58604.6	-18.4	-7.6	4.3	-8.3	-0.8	33.6
200	-337.5	58585.5	-17.5	-11.5	4.2	-9.2	-2.6	33.5
200	-325	57995.4	-14.1	-11.6	4.0	-7.1	-2.1	33.0
200	-312.5	57725.2	-7.7	-10.0	3.9	-4.2	-1.0	32.8
200	-300	57334.1	-1.5	-7.0	4.0	-1.4	0.6	33.0
200	-287.5	57001.3	-0.8	-10.5	4.2	-2.1	-1.3	33.7
200	-275	56983.1	0.5	-13.2	4.3	-2.3	-2.3	33.7
200	-262.5	57030.6	0.7	-14.0	4.3	-1.6	-2.8	33.6
200	-250	57127.3	3.1	-13.9	4.4	-0.8	-2.8	33.9
200	-237.5	57213.8	5.9	-13.9	4.5	-0.5	-3.4	33.9
200	-225	57313.8	8.4	-14.0	4.6	0.4	-3.1	33.9
200	-212.5	57521.7	13.9	-9.8	5.0	1.1	-2.6	34.1

200	-200	57794.2	9.1	-7.4	5.5	-0.7	-1.2	34.4
200	-187.5	57714.7	3.9	-6.5	5.6	-3.2	-0.7	35.0
200	-175	57734.6	0.1	7.2	5.6	-0.8	5.0	36.0
200	-162.5	58023.0	-11.0	12.0	5.6	-6.6	7.6	36.9
200	-150	57895.2	-20.6	9.5	5.2	-11.6	7.5	37.0
200	-137.5	57898.6	-19.9	9.3	5.3	-12.9	5.4	37.5
200	-125	57449.8	-27.4	4.4	4.1	-15.0	6.0	35.1
200	-112.5	57450.4	-20.5	4.4	3.8	-8.7	7.7	34.6
200	-100	57540.9	-10.6	6.9	3.7	-6.8	8.0	34.1
200	-87.5	57658.5	-6.4	5.1	3.7	-6.1	5.9	33.9
200	-75	57654.8	-1.7	3.6	3.6	-2.6	6.7	33.7
200	-62.5	57616.4	4.5	4.3	3.7	-0.4	6.8	33.5
200	-50	57577.6	8.6	4.4	3.7	1.3	7.0	33.3
200	-37.5	57659.0	11.9	3.8	3.8	1.4	6.3	33.3
200	-25	57651.7	14.9	-0.4	4.0	2.1	4.9	33.1
200	-12.5	57719.5	15.6	-2.1	4.1	3.2	4.3	32.6
200	0	57740.3	17.4	-3.7	4.2	4.2	3.3	32.8
200	12.5	57801.5	17.5	-4.3	4.3	5.1	2.6	32.8
200	25	57845.9	17.2	-5.7	4.4	5.2	2.0	33.2
200	37.5	57877.6	14.3	-7.2	4.4	5.1	0.4	33.3
200	50	57937.7	13.4	-9.0	4.4	3.8	-1.6	33.2
200	62.5	57970.8	13.4	-7.0	4.5	4.2	-0.9	32.9
200	75	58005.2	13.8	-4.7	4.5	5.3	-0.7	33.6
200	87.5	57990.8	12.3	-6.6	4.6	3.5	-3.9	33.5
200	100	58031.8	12.6	-7.1	4.5	2.7	-5.1	33.1
200	112.5	57926.2	13.8	-4.8	4.5	4.8	-4.2	33.3
200	125	57927.7	15.3	0.2	4.8	6.6	-3.0	33.7
200	137.5	57924.6	11.9	-0.6	4.8	5.2	-2.7	34.1
200	150	57977.9	8.0	1.4	4.9	3.2	-2.9	34.4
200	162.5	57920.9	5.4	2.4	4.9	1.9	-3.2	34.2
200	175	57869.5	3.3	3.3	4.7	0.1	-4.2	33.7
200	187.5	57824.6	2.5	5.7	4.7	0.4	-5.3	33.2
200	200	57853.4	2.7	5.1	4.5	1.8	-5.4	32.4
200	212.5	57792.4	4.9	6.3	4.6	3.9	-5.1	32.2
200	225	57753.9	7.7	6.3	3.4	7.2	-6.0	32.0
200	237.5	57784.4	9.1	5.9	3.4	8.4	-6.2	32.0
200	250	57765.3	8.6	5.3	3.5	8.9	-7.2	32.1
200	262.5	57811.2	9.1	4.4	4.8	7.7	-6.6	32.4
200	275	57862.2	7.5	2.7	4.7	5.6	-8.6	32.7
200	287.5	57872.4	10.6	2.3	5.0	6.6	-9.1	32.9
200	300	57861.4	10.1	0.1	5.1	5.7	-9.4	33.2
200	312.5	57869.5	7.6	-1.3	5.1	5.8	-8.7	33.6
200	325	57863.2	8.6	-1.1	4.8	6.2	-8.3	33.4
200	337.5	57859.5	10.5	0.2	4.7	7.1	-7.3	33.3
200	350	57907.3	11.7	0.1	4.8	5.9	-7.3	33.5
200	362.5	57761.5	11.4	0.5	4.8	7.4	-6.9	33.5
200	375	57827.4	13.7	1.3	4.8	7.7	-4.9	33.4
200	387.5	57864.4	12.8	0.2	4.8	6.0	-4.8	33.6
200	400	57942.0	15.0	-0.5	4.9	5.0	-5.3	33.3
200	412.5	57946.2	16.6	-1.2	4.8	4.4	-6.3	32.7
200	425	57945.0	16.9	-3.0	4.8	4.6	-6.1	32.9
200	437.5	57924.9	18.1	-1.7	4.8	5.6	-5.2	32.3
200	450	57930.1	17.3	-4.7	4.9	4.7	-5.9	32.6
200	462.5	57910.1	16.6	-5.2	4.9	5.3	-5.8	31.6
200	475	57916.9	19.1	-4.7	4.8	8.3	-5.2	16.0
200	487.5	57932.0	19.3	-5.8	4.9	8.0	-4.8	32.5
200	500	57949.4	18.2	-6.1	4.9	8.4	-4.0	32.8
Line 300								
300	-712.5	60154.5	15.5	2.6	8.5	-10.1	-4.6	37.9
300	-700	59994.3	14.8	-3.5	8.3	-7.6	-1.9	34.7

300	-687.5	59501.9	11.8	-4.3	8.3	-7.3	-1.0	34.4
300	-675	59432.0	7.0	-7.1	8.2	-6.9	-0.4	34.6
300	-662.5	59200.2	3.0	-8.8	7.9	-8.5	-0.4	35.2
300	-650	58922.4	0.5	-9.2	7.8	-8.0	0.0	34.4
300	-637.5	59102.7	-3.4	-11.4	7.6	-6.4	0.0	33.8
300	-625	59163.6	-5.6	-12.9	7.4	-6.1	1.0	33.5
300	-612.5	59233.0	-4.2	-13.4	7.1	-5.1	1.2	33.0
300	-600	58783.3	-2.4	-10.9	7.0	-2.7	1.8	33.1
300	-587.5	58416.1	-2.0	-9.3	7.0	-2.2	2.2	32.9
300	-575	58425.3	-3.1	-8.5	7.1	-1.3	2.9	33.3
300	-562.5	58323.7	-3.7	-7.8	7.3	1.0	3.2	33.3
300	-550	58054.4	-9.2	-8.6	7.6	1.3	3.4	33.3
300	-537.5	58071.5	-13.1	-11.0	7.7	1.1	2.1	33.3
300	-525	58070.2	-17.4	-12.7	7.2	2.7	3.4	33.9
300	-512.5	58208.8	-14.3	-10.5	6.9	5.0	4.2	33.7
300	-500	58313.8	-10.4	-7.2	5.6	7.0	4.4	33.9
300	-487.5	57879.5	-8.7	-6.7	5.7	6.5	4.0	34.8
300	-475	57413.4	-9.2	-6.9	5.8	4.8	3.5	36.0
300	-462.5	57095.2	-13.9	-9.1	6.0	-0.3	0.9	36.6
300	-450	57131.1	-18.4	-13.8	5.6	-5.4	-1.0	35.7
300	-437.5	57178.0	-17.5	-12.5	5.5	-4.6	-0.3	35.0
300	-425	57318.3	-15.5	-9.5	5.3	-3.0	0.9	34.6
300	-412.5	57528.0	-14.7	-8.3	5.1	-2.7	1.9	34.3
300	-400	57831.6	-14.3	-5.9	4.4	-1.2	3.6	34.1
300	-387.5	58125.5	-14.4	-6.0	4.9	-1.5	3.9	33.6
300	-375	58727.3	-14.6	-6.2	3.8	0.0	4.1	33.6
300	-362.5	58803.3	-12.8	-7.2	3.7	-0.3	3.7	33.3
300	-350	58756.9	-13.6	-8.6	4.8	-0.1	3.1	33.3
300	-337.5	58774.4	-16.1	-10.2	4.7	-0.4	1.3	33.1
300	-325	58972.0	-11.5	-12.2	4.5	0.1	1.7	32.7
300	-312.5	58654.6	-9.0	-10.1	4.4	1.5	2.0	32.8
300	-300	58174.1	-4.1	-9.8	4.4	3.5	2.0	32.6
300	-287.5	58088.2	1.0	-7.6	4.4	5.7	2.3	32.8
300	-275	57970.8	5.1	-8.1	4.5	6.6	2.2	32.7
300	-262.5	57565.9	5.9	-9.3	4.7	5.9	1.0	33.3
300	-250	57800.7	8.4	-10.3	4.8	6.6	0.2	33.0
300	-237.5	56925.6	6.1	-13.1	5.1	4.8	-1.3	33.1
300	-225	57058.6	7.1	-13.4	5.2	5.2	-1.1	32.8
300	-212.5	57219.1	10.2	-9.5	5.3	6.7	1.1	33.1
300	-200	57459.8	12.0	-4.6	6.0	6.8	2.8	34.7
300	-187.5	57684.5	6.9	-2.8	6.8	3.9	3.6	36.9
300	-175	57473.0	-10.8	-5.7	7.3	-10.0	1.5	38.4
300	-162.5	57326.5	-27.0	-4.4	7.4	-21.6	5.7	38.9
300	-150	57231.2	-45.7	-7.1	5.6	-32.0	6.0	34.4
300	-137.5	57274.7	-44.1	-2.9	4.9	-30.1	7.5	32.5
300	-125	57451.6	-37.7	4.7	4.2	-27.3	8.9	30.7
300	-112.5	57383.0	-24.7	7.9	3.9	-16.7	9.9	29.9
300	-100	57471.8	-16.2	9.4	3.9	-12.8	9.5	30.3
300	-87.5	57472.7	-8.1	11.7	4.0	-9.7	9.6	30.0
300	-75	57499.9	-6.9	5.4	4.1	-6.1	7.4	30.9
300	-62.5	57529.9	-2.6	5.4	4.0	-4.0	6.5	32.0
300	-50	57572.3	2.2	5.4	4.0	-1.9	5.8	31.9
300	-37.5	57566.1	8.4	5.5	4.0	1.4	6.3	31.9
300	-25	57605.0	10.8	3.5	4.1	2.8	6.4	32.2
300	-12.5	57682.0	10.5	0.4	4.3	3.1	5.1	32.9
300	0	57664.5	10.7	-2.2	4.4	2.8	3.7	34.0
300	12.5	57637.7	11.0	-6.3	4.5	0.6	2.1	34.2
300	25	57757.1	10.4	-8.0	4.6	-2.7	-0.4	34.5
300	37.5	57808.5	12.3	-9.0	4.5	-3.5	-0.8	34.1
300	50	57825.9	13.5	-9.5	4.7	-4.3	-0.7	34.3

300	62.5	57797.0	12.2	-12.4	4.8	-6.9	-1.3	33.8
300	75	57817.6	9.3	-14.9	4.8	-9.1	-1.9	33.5
300	87.5	57830.5	11.8	-13.1	4.7	-8.1	-0.8	32.6
300	100	58031.8	13.6	-12.7	4.5	-7.8	-1.2	32.3
300	112.5	58215.5	16.5	-11.2	4.5	-5.6	-0.7	32.5
300	125	58100.1	19.9	-11.5	4.6	-4.2	-1.4	32.8
300	137.5	58041.6	20.2	-9.7	4.8	-3.0	-2.1	33.3
300	150	58003.2	16.6	-11.4	4.9	-3.4	-3.0	33.6
300	162.5	57961.9	16.5	-8.6	4.8	-3.3	-3.1	33.5
300	175	57894.0	18.6	-5.1	4.7	-1.9	-2.5	33.7
300	187.5	57922.3	19.2	-2.6	4.9	-0.4	-1.9	34.3
300	200	57909.2	16.0	-2.3	5.1	-1.5	-3.4	33.8
300	212.5	57918.9	12.1	-1.2	5.0	-0.8	-4.6	33.1
300	225	57937.3	11.4	0.2	4.9	1.0	-4.5	33.4
300	237.5	57973.3	14.2	3.5	4.9	3.2	-2.9	33.7
300	250	57976.4	12.3	5.7	5.0	3.3	-1.2	35.0
300	262.5	57966.1	11.7	9.3	5.0	3.9	1.4	36.0
300	275	57929.3	7.5	8.9	5.0	1.3	1.3	36.4
300	287.5	57937.9	6.9	7.9	4.9	-0.6	1.1	35.7
300	300	57934.7	6.6	6.8	4.8	-1.8	0.7	34.9
300	312.5	57938.1	9.9	5.1	4.5	0.0	0.6	34.0
300	325	57901.1	12.4	3.0	4.5	1.7	0.4	33.3
300	337.5	57901.4	17.3	2.3	4.6	4.1	-0.2	33.2
300	350	57922.2	21.7	1.6	4.6	5.3	-0.5	33.1
300	362.5	57930.0	24.4	0.7	4.8	7.7	-1.0	33.5
300	375	57916.3	21.3	-2.8	5.0	6.7	-3.0	33.6
300	387.5	57932.2	19.0	-3.5	4.8	5.8	-4.3	33.5
300	400	57961.4	20.5	-5.6	4.8	6.3	-5.1	33.1
300	412.5	57954.8	21.6	-4.9	4.9	7.6	-5.3	33.5
300	425	57985.6	25.2	-4.7	5.1	7.0	-6.3	33.7
300	437.5	58031.0	25.2	-5.7	5.1	6.6	-6.6	33.6
300	450	57998.7	22.7	-5.8	5.3	5.6	-7.4	33.7
300	462.5	57985.1	23.2	-6.7	5.3	5.3	-7.3	34.1
300	475	57989.8	22.4	-6.2	5.2	5.7	-7.0	34.1
300	487.5	57993.3	20.0	-7.5	5.2	4.2	-7.8	34.7
300	500	57981.6	20.0	-6.6	5.1	4.1	-7.7	34.3
line 400								
400	-500	58426.2	-3.5	-6.6	6.9	-2.9	4.3	35.1
400	-487.5	58415.8	-8.5	-7.4	6.9	-3.2	4.9	35.5
400	-475	58011.0	-15.3	-10.6	6.8	-4.8	3.9	36.0
400	-462.5	57931.6	-17.7	-12.5	6.6	-6.6	2.8	36.3
400	-450	57542.1	-24.9	-17.0	6.2	-9.4	2.1	36.0
400	-437.5	57348.5	-24.9	-18.1	5.8	-10.3	2.4	35.4
400	-425	57330.6	-22.6	-15.9	5.5	-9.4	3.0	35.0
400	-412.5	57362.9	-22.2	-13.5	5.4	-7.9	4.4	35.2
400	-400	57398.9	-20.1	-12.2	5.3	-7.9	5.1	35.3
400	-387.5	57478.5	-19.9	-10.4	5.2	-8.3	5.4	35.5
400	-375	57721.7	-20.1	-8.9	5.1	-8.1	6.3	35.7
400	-362.5	58308.2	-19.6	-11.6	5.1	-10.8	5.2	36.3
400	-350	58626.5	-20.4	-12.1	5.0	-11.2	4.4	35.8
400	-337.5	57773.3	-17.5	-11.6	4.9	-11.5	3.7	35.3
400	-325	57999.2	-16.8	-12.4	4.9	-12.3	2.6	34.8
400	-312.5	57845.1	-14.7	-13.6	4.8	-12.2	1.1	34.3
400	-300	58200.5	-12.6	-14.9	4.7	-11.2	0.7	33.7
400	-287.5	58190.9	-8.2	-12.6	4.8	-8.1	0.7	33.3
400	-275	58212.8	-6.4	-13.4	4.7	-5.7	1.6	32.7
400	-262.5	58230.7	-2.2	-11.2	4.7	-4.3	1.2	32.8
400	-250	58262.3	2.4	-10.6	4.7	-3.2	1.7	32.8
400	-237.5	58074.0	4.7	-10.8	5.0	-1.5	1.4	32.5
400	-225	57789.3	6.6	-11.1	5.2	0.6	2.4	32.3

400	-212.5	57055.4	4.9	-12.5	5.5	3.0	3.4	32.6
400	-200	57165.7	7.3	-13.6	5.5	5.3	2.8	33.3
400	-187.5	57079.6	10.1	-11.7	5.7	3.7	1.5	33.2
400	-175	57258.2	15.2	-4.2	6.3	7.1	2.8	33.9
400	-162.5	57582.1	10.5	-2.8	7.3	3.5	5.3	35.7
400	-150	57453.5	-8.9	0.4	8.1	-10.1	8.1	38.7
400	-137.5	57707.0	-41.6	-2.3	6.8	-30.4	9.0	36.2
400	-125	57304.0	-37.8	-2.1	5.4	-27.4	6.9	33.3
400	-112.5	57358.7	-33.5	0.2	4.9	-25.1	6.9	32.0
400	-100	57416.6	-27.6	1.3	4.7	-22.1	7.1	31.7
400	-87.5	57455.0	-21.3	3.2	4.5	-19.2	6.6	31.4
400	-75	57506.0	-14.1	3.8	4.5	-14.7	6.2	31.3
400	-62.5	57513.8	-8.2	4.7	4.5	-12.4	6.1	32.0
400	-50	57569.8	-8.1	1.5	4.9	-10.8	4.9	31.7
400	-37.5	57494.1	-18.5	-3.9	4.5	-7.8	3.8	31.8
400	-25	57522.3	-8.6	-1.1	4.1	-8.2	3.0	31.0
400	-12.5	57595.1	1.0	3.3	4.2	-7.1	2.8	30.8
400	0	57657.7	2.0	1.8	4.4	-5.4	1.6	31.5
400	0	57650.6	-1.1	0.9	4.5	-6.9	2.2	29.8
400	12.5	57702.7	-2.3	-2.6	4.6	-7.5	-0.1	29.4
400	25	57565.7	1.1	-2.9	4.5	-6.0	0.1	30.1
400	37.5	57649.8	4.6	-3.2	4.6	-5.6	-1.0	29.4
400	50	57636.8	4.8	-1.9	4.6	-4.7	-1.2	29.8
400	62.5	57675.2	5.0	-4.0	4.7	-5.9	-0.4	29.8
400	75	57682.5	6.0	-6.9	4.9	-2.5	-0.4	30.5
400	87.5	57824.4	4.9	-8.4	5.0	-4.9	-1.2	31.3
400	100	57955.2	2.4	-10.4	5.1	-7.9	-4.6	31.7
400	112.5	58030.9	1.5	-12.6	5.1	-10.5	-5.9	31.2
400	125	57953.6	2.5	-12.6	5.0	-10.9	-6.3	30.2
400	137.5	57923.9	4.3	-11.8	5.0	-10.3	-6.0	30.2
400	150	57933.2	6.0	-11.4	5.0	-10.5	-5.3	29.6
400	162.5	57882.1	5.6	-12.6	5.0	-8.3	-5.3	29.3
400	175	57854.0	3.1	-15.5	4.9	-8.8	-4.0	28.9
400	187.5	57943.0	6.9	-14.9	4.8	-7.7	-4.1	28.9
400	200	57962.6	11.0	-10.3	4.9	-4.8	-1.4	29.3
400	212.5	57912.3	11.9	-11.1	5.0	-3.6	-2.4	29.4
400	225	57899.1	13.2	-8.7	5.1	-2.7	-2.0	29.2
400	237.5	57961.7	10.8	-8.2	5.3	-3.4	-1.8	29.1
400	250	58069.7	10.1	-6.6	5.3	-1.9	0.2	29.0
400	262.5	58051.7	8.4	-4.5	5.2	-2.5	1.4	29.3
400	275	58009.8	10.8	-1.0	5.1	0.5	2.7	29.7
400	287.5	58034.8	15.8	1.5	5.1	-0.4	2.7	30.2
400	300	58058.7	17.1	5.2	5.3	1.2	4.1	30.7
400	312.5	58042.5	13.3	4.6	5.7	-0.2	4.8	31.2
400	325	57958.6	10.8	4.6	5.9	-0.9	6.3	31.9
400	337.5	57879.4	4.6	5.3	5.9	-5.9	6.9	32.6
400	350	57826.1	-4.8	4.3	5.6	-11.4	7.2	32.8
400	362.5	57845.5	-1.6	7.0	5.0	-11.8	6.7	31.8
400	375	57861.4	1.2	7.2	4.9	-11.1	6.0	31.9
400	387.5	57865.7	3.8	6.5	4.8	-9.6	5.4	32.0
400	400	57925.3	8.2	6.3	4.8	-7.0	4.6	32.3
400	412.5	57984.0	8.3	1.9	5.0	-6.7	2.9	33.2
400	425	58039.1	7.8	-1.2	4.9	-8.6	1.1	33.1
400	437.5	58065.1	9.1	-2.5	4.8	-10.2	-0.6	32.5
400	450	58064.6	13.5	-2.4	4.7	-7.1	-0.1	31.9
400	462.5	58021.0	15.7	-2.8	5.0	-4.2	-0.3	31.9
400	475	57992.3	16.0	-4.1	5.1	-2.6	-0.3	31.7
400	487.5	57996.3	16.4	-3.3	5.3	-0.1	-0.4	31.9
400	500	58013.9	12.3	-3.4	5.3	-0.5	-0.8	32.1

line 500

500	-375	59568.4	5.0	-6.9	5.4	-18.8	-5.0	32.2
500	-362.5	59302.2	3.8	-7.9	5.3	-18.6	-3.2	32.6
500	-350	59978.6	4.2	-10.4	5.2	-17.1	-2.4	32.1
500	-337.5	59113.3	5.2	-11.5	5.1	-16.2	-1.6	31.9
500	-325	58530.0	5.9	-11.8	5.1	-17.0	-2.2	32.2
500	-312.5	58700.5	6.1	-11.3	4.9	-15.8	-0.5	31.8
500	-300	58430.7	7.8	-11.7	4.9	-15.0	-0.9	31.6
500	-287.5	58312.5	9.6	-11.3	4.9	-13.7	-1.2	31.8
500	-275	58242.8	11.6	-11.4	4.8	-12.5	-1.4	31.9
500	-262.5	58235.3	14.1	-11.6	4.8	-10.7	-0.4	32.1
500	-250	57982.6	16.3	-11.0	4.9	-9.8	-1.5	32.4
500	-237.5	58168.8	19.4	-10.0	4.9	-7.3	-0.9	32.4
500	-225	58211.2	21.2	-10.5	5.0	-6.6	-0.8	32.0
500	-212.5	57954.5	21.9	-8.6	5.2	-5.0	-1.5	32.3
500	-200	56608.9	21.7	-10.7	5.5	-4.7	-2.7	32.9
500	-187.5	56790.9	22.2	-8.8	5.6	-3.2	-2.3	33.6
500	-175	56968.9	21.2	-6.3	5.8	-3.3	-1.9	33.8
500	-162.5	57239.6	20.4	-2.4	6.2	-3.4	-0.8	34.7
500	-150	57413.3	8.9	-5.6	7.3	-9.3	-1.1	36.0
500	-137.5	57206.0	-10.7	-13.0	6.5	-23.2	-4.0	34.8
500	-125	57316.9	-8.3	-8.1	5.7	-21.8	-1.6	32.9
500	-112.5	57371.8	-5.4	-3.7	5.4	-18.7	0.4	31.8
500	-100	57427.4	-2.8	-1.5	5.2	-16.2	1.5	31.3
500	-87.5	57478.8	0.4	0.8	5.2	-14.0	2.5	31.2
500	-75	57524.6	2.7	1.3	5.3	-9.6	3.7	31.4
500	-62.5	57529.0	-3.3	-3.5	5.3	-1.9	6.5	31.1
500	-50	57582.6	1.9	-0.1	5.2	2.0	8.4	31.2
500	-37.5	57576.3	2.0	-0.6	5.3	0.7	7.5	31.8
500	-25	57598.9	-0.1	-2.5	5.6	0.5	6.7	32.1
500	-12.5	57619.4	-4.8	-4.9	5.2	-1.8	5.8	31.8
500	0	57639.5	-0.8	-4.0	5.2	0.7	6.0	32.7
500	12.5	57660.8	-1.6	-5.4	5.2	0.2	4.9	33.3
500	25	57673.3	-2.7	-8.6	5.1	-0.1	3.9	33.5
500	37.5	57720.0	0.5	-9.6	5.0	-1.9	2.0	33.8
500	50	57658.3	2.4	-10.1	4.9	-3.1	0.1	33.7
500	62.5	57654.9	8.8	-8.5	4.8	-4.7	-0.6	33.6
500	75	57802.8	10.9	-7.5	5.1	-4.8	-1.2	34.1
500	87.5	57753.1	7.8	-8.0	5.2	-6.0	-1.9	34.2
500	100	57721.3	7.5	-10.3	5.2	-7.6	-4.0	34.6
500	112.5	57790.9	3.4	-14.5	5.0	-10.8	-5.5	34.1
500	125	57710.0	6.6	-16.2	4.7	-11.1	-6.5	33.2
500	137.5	57759.1	12.3	-13.8	4.6	-9.3	-4.6	32.6
500	150	57834.0	14.1	-12.2	4.8	-8.4	-4.4	33.1
500	162.5	57914.7	15.6	-13.1	4.8	-8.3	-5.0	33.3
500	175	57798.1	17.3	-14.5	4.7	-10.6	-8.7	32.9
500	187.5	57847.0	24.0	-11.3	4.7	-7.9	-8.4	32.5
500	200	57982.0	25.2	-10.3	4.8	-5.8	-7.2	32.6
500	212.5	57956.1	28.0	-9.8	4.9	-3.6	-6.6	32.8
500	225	57882.0	32.2	-6.6	5.1	-0.4	-4.9	32.7
500	237.5	57954.6	30.7	-3.1	5.3	1.3	-3.4	32.8
500	250	57988.6	26.7	-3.0	5.5	2.0	-3.2	33.1
500	262.5	57936.8	22.4	-1.3	5.6	2.9	-0.4	33.5
500	275	57914.1	19.9	1.3	5.6	3.3	1.7	34.1
500	287.5	57957.2	20.9	3.1	5.6	3.3	2.3	34.0
500	300	57986.1	19.3	4.9	5.7	1.4	1.9	34.7
500	312.5	57952.7	16.7	5.5	5.9	0.4	2.6	35.2
500	325	57970.9	14.6	5.0	5.9	-2.5	2.7	34.6
500	337.5	57882.3	10.8	3.0	5.8	-5.7	1.6	33.9
500	350	57893.7	7.9	2.3	5.7	-7.0	3.2	33.1
500	362.5	57899.6	10.0	3.8	5.3	-2.4	3.7	32.9

500	375	57942.5	11.4	3.1	5.2	-2.3	3.4	33.7
500	387.5	57945.9	11.0	2.4	5.2	-1.8	3.1	34.4
500	400	57964.8	12.0	1.3	5.2	-2.8	2.0	33.3
500	412.5	57978.9	12.8	-0.1	5.1	-1.3	1.6	33.0
500	425	58006.2	16.0	0.7	4.9	-1.4	1.3	32.6
500	437.5	57955.6	19.3	-0.7	4.8	0.2	0.9	32.2
500	450	57943.0	27.2	1.1	4.8	3.2	2.0	32.6
500	462.5	57942.9	32.7	1.3	5.1	6.6	2.4	33.4
500	475	57981.1	30.6	-0.8	5.3	5.5	0.4	34.2
500	487.5	58010.6	29.2	-1.6	5.4	5.8	0.5	34.9
500	500	57988.9	26.8	-3.1	5.2	4.1	-0.3	32.8
line 600								
600	-75	57581.5	11.5	4.9	5.5	-6.0	0.4	27.9
600	-62.5	57613.3	11.9	5.4	5.5	-3.7	3.4	28.3
600	-50	57617.6	10.9	2.9	5.6	-3.8	2.7	28.8
600	-37.5	57639.3	10.1	2.7	5.8	-2.6	3.1	28.9
600	-25	57635.7	9.1	2.2	6.1	-2.4	3.4	29.7
600	-12.5	57691.5	-0.6	-3.5	6.2	-5.7	1.6	30.0
600	0	57687.2	-9.8	-6.3	6.1	-10.4	0.2	30.4
600	12.5	57711.6	-14.2	-9.6	5.5	-11.6	-0.9	29.9
600	25	57711.7	-11.7	-9.4	5.1	-9.8	0.1	29.8
600	37.5	57711.7	-10.4	-8.6	5.0	-8.7	0.0	29.6
600	50	57733.5	-8.8	-8.3	4.9	-8.0	0.0	29.9
600	62.5	57733.2	-6.6	-8.3	4.8	-5.3	0.9	29.9
600	75	57757.2	-6.7	-8.7	4.9	-7.2	-0.6	30.1
600	87.5	57755.1	-8.3	-11.3	4.8	-8.0	-1.6	30.2
600	100	57774.6	-8.4	-13.1	4.7	-7.1	-1.8	30.0
600	112.5	57816.1	-7.4	-13.4	4.6	-6.3	-1.3	29.9
600	125	57809.5	-7.3	-13.3	4.5	-5.5	-1.8	30.1
600	137.5	57848.9	-6.9	-15.1	4.5	-6.5	-2.4	29.9
600	150	57912.6	-9.3	-16.8	4.5	-7.9	-3.3	30.2
600	162.5	57771.4	-11.8	-21.1	4.4	-8.8	-4.8	29.5
600	175	57727.8	-10.8	-24.5	4.1	-7.5	-6.2	28.6
600	187.5	57650.9	3.1	-16.9	3.8	-1.5	-5.0	28.4
600	200	57872.5	8.5	-14.6	3.9	0.2	-5.0	28.9
600	212.5	57823.2	13.9	-11.8	3.9	2.7	-4.7	29.2
600	225	57777.2	16.2	-9.8	4.0	2.1	-4.3	29.1
600	237.5	57836.8	20.2	-6.8	4.1	4.9	-2.8	29.3
600	250	57970.0	19.8	-4.8	4.3	5.4	-1.9	30.5
600	262.5	57882.1	19.7	-3.4	4.5	3.5	-1.2	32.1
600	275	57869.3	19.8	-2.2	4.6	2.6	-1.1	32.9
600	287.5	57945.0	18.1	-0.2	4.6	-0.1	0.5	33.5
600	300	57978.9	16.4	-0.8	4.7	-4.2	0.1	34.2
600	312.5	57986.6	15.8	0.5	4.7	-6.7	1.3	34.0
600	325	58033.2	14.6	2.3	4.7	-7.6	2.3	33.7
600	337.5	58044.1	12.4	1.8	4.6	-9.1	2.8	33.2
600	350	58109.6	13.8	2.6	4.6	-7.2	4.3	32.8
600	362.5	58132.5	16.1	3.8	4.6	-6.0	5.4	33.2
600	375	58124.6	14.0	3.1	4.7	-7.1	4.7	33.8
600	387.5	58149.8	10.1	2.1	4.8	-8.1	3.9	34.3
600	400	57966.2	9.1	-3.3	4.5	-14.8	-1.8	31.7
600	412.5	57946.6	11.8	-2.0	4.4	-13.8	-1.4	31.2
600	425	57926.9	14.8	0.0	4.5	-8.9	-1.0	29.7
600	437.5	58062.8	12.0	0.1	4.6	-5.3	-1.3	30.0
600	450	58020.3	7.0	-2.3	4.5	-3.2	-1.8	29.9
600	462.5	57940.7	8.7	-2.6	4.5	-1.4	-2.2	29.9
600	475	57926.5	8.8	-2.2	4.5	0.2	-2.4	29.9
600	487.5	57974.1	10.0	-1.4	4.5	0.6	-2.9	30.1
600	500	57983.3	10.6	-1.1	4.5	1.7	-2.6	30.4
line 700								

700	-75	57672.1	30.0	9.5	7.8	8.4	3.8	24.4
700	-62.5	57688.4	29.6	6.2	7.9	8.4	2.1	25.1
700	-50	57684.2	29.1	5.5	8.1	9.1	3.1	25.5
700	-37.5	57701.0	27.4	3.9	8.3	8.7	1.1	26.1
700	-25	57717.5	21.8	0.8	8.9	5.9	-0.3	27.1
700	-12.5	57764.2	9.1	-6.1	8.7	0.8	-1.9	26.6
700	0	57722.9	7.2	-7.5	8.1	1.2	-1.2	26.7
700	12.5	57756.5	8.8	-5.2	7.8	2.0	-0.3	27.0
700	25	57723.8	8.8	-3.1	8.0	0.8	0.0	27.8
700	37.5	57753.7	-1.9	-7.8	8.0	-4.9	-2.6	28.2
700	50	57757.3	-0.9	-6.0	7.3	-4.8	-2.5	28.5
700	62.5	57798.7	0.0	-5.8	7.1	-4.7	-2.8	28.8
700	75	57796.8	-3.3	-9.1	7.0	-5.5	-3.8	28.8
700	87.5	57799.2	-1.3	-8.8	6.6	-5.2	-3.5	28.8
700	100	57803.7	-0.6	-9.8	6.3	-4.0	-5.0	28.3
700	112.5	57793.4	-0.7	-11.4	6.1	-3.6	-4.0	28.3
700	125	57810.4	3.0	-9.8	6.0	-1.5	-4.4	28.5
700	137.5	57824.9	5.8	-8.1	6.0	0.6	-3.9	28.2
700	150	57831.3	5.2	-9.3	6.0	0.0	-3.6	28.8
700	162.5	57870.7	5.2	-9.5	6.0	1.6	-4.0	29.0
700	175	57841.4	4.1	-10.7	6.0	0.5	-5.4	29.5
700	187.5	57829.8	2.5	-15.8	5.8	-0.4	-7.0	29.3
700	200	57842.9	5.3	-14.3	5.6	2.8	-4.5	29.5
700	212.5	57869.8	6.9	-14.8	5.5	4.3	-3.2	30.2
700	225	57951.7	6.9	-13.7	5.4	4.5	-3.3	31.1
700	237.5	58078.0	9.8	-12.7	5.3	4.5	-3.3	31.9
700	250	57866.5	12.0	-11.9	5.4	2.9	-4.4	33.5
700	262.5	57864.5	14.2	-8.1	5.5	3.8	-3.4	33.9
700	275	57778.1	9.1	-4.3	5.4	-0.9	-1.4	34.5
700	287.5	57867.4	8.5	0.0	5.3	-0.9	1.0	34.6
700	300	57871.7	7.9	2.8	5.1	-3.0	3.2	34.6
700	312.5	57920.0	10.9	3.5	4.9	-3.0	4.3	34.4
700	325	58133.2	14.3	5.1	4.7	-2.3	3.6	35.4
700	337.5	58378.8	16.7	6.9	4.6	-1.9	4.9	36.2
700	350	58387.1	19.3	6.9	4.7	-3.2	3.9	36.8
700	362.5	58248.8	21.5	2.3	4.7	-1.6	3.3	34.9
700	375	57882.0	25.6	2.6	4.5	0.0	2.8	33.7
700	387.5	57862.7	29.2	0.9	4.4	1.0	1.8	33.9
700	400	57867.5	32.6	-1.0	4.4	1.6	1.0	34.2
700	412.5	57916.1	35.6	-2.0	4.5	1.2	-0.8	34.7
700	425	57984.6	38.2	-3.5	4.4	0.6	-3.0	34.9
700	437.5	58169.1	36.8	-3.6	4.8	4.0	-2.7	34.9
700	450	58132.2	29.8	-10.7	4.9	-0.9	-7.4	34.0
700	462.5	58037.6	31.7	-8.1	4.8	-2.2	-9.1	34.0
700	475	58256.5	28.9	-5.6	4.9	4.4	-5.7	34.2
700	487.5	58284.5	28.3	-5.0	5.0	7.0	-6.1	33.4
700	500	58155.4	24.8	-3.8	4.9	11.1	-5.2	32.8
line 800								
800	-100	57776.6	27.6	9.3	8.7	13.7	4.1	24.7
800	-87.5	57826.2	25.1	5.7	8.9	11.5	2.9	25.3
800	-75	57779.1	22.4	3.3	9.1	10.1	2.2	25.7
800	-62.5	57743.6	19.0	0.6	9.2	7.7	1.2	26.3
800	-50	57731.3	14.7	-0.6	9.4	4.5	0.3	27.0
800	-37.5	57785.9	11.2	-2.2	9.3	1.2	-0.8	27.3
800	-25	57781.3	8.1	-2.7	9.3	-1.3	-1.2	27.4
800	-12.5	57806.9	4.4	-3.8	9.2	-4.2	-2.2	27.6
800	0	57774.4	3.0	-2.9	8.9	-5.7	-2.0	27.5
800	12.5	57743.2	1.2	-3.5	9.0	-8.3	-3.0	27.4
800	25	57764.2	3.5	-1.9	8.7	-8.6	-3.1	26.7
800	37.5	57771.1	4.2	-0.4	8.9	-6.6	-1.0	26.6

800	50	57790.6	0.8	-0.1	9.6	-7.6	-0.9	26.9
800	62.5	57796.0	-14.4	-8.1	9.2	-14.1	-6.3	26.5
800	75	57813.5	-13.3	-7.2	8.3	-11.7	-5.5	25.9
800	87.5	57822.7	-11.7	-6.3	8.1	-8.5	-3.7	26.1
800	100	57839.2	-11.5	-7.0	7.9	-8.4	-4.4	26.0
800	112.5	57858.4	-10.7	-8.0	7.6	-7.5	-5.3	26.3
800	125	57868.0	-10.5	-9.3	7.5	-6.2	-5.5	25.9
800	137.5	57885.9	-8.5	-7.9	7.4	-5.0	-4.7	26.2
800	150	57882.9	-5.7	-8.2	7.2	-3.6	-5.0	26.5
800	162.5	57924.0	-5.2	-8.1	7.3	-2.5	-5.2	27.1
800	175	57966.1	-4.4	-9.3	7.3	-2.3	-5.4	27.2
800	187.5	57898.8	-2.1	-9.0	7.3	-1.1	-5.8	27.7
800	200	57892.6	-0.8	-8.4	7.3	-1.4	-5.7	28.4
800	212.5	57961.2	-2.0	-9.5	7.5	-2.1	-6.6	28.8
800	225	58156.9	-1.4	-9.4	7.4	-2.2	-6.6	29.2
800	237.5	58476.0	-1.5	-7.6	7.7	-2.1	-5.8	29.4
800	250	58268.6	-2.6	-7.3	8.2	-1.8	-4.0	30.9
800	262.5	57940.8	-12.0	-9.1	8.2	-5.8	-1.5	32.0
800	275	57899.0	-17.2	-7.5	8.1	-11.7	-1.1	32.7
800	287.5	57857.6	-23.4	-7.6	7.6	-15.9	-0.4	33.1
800	300	57743.1	-31.7	-8.8	7.4	-26.5	-2.8	33.2
800	312.5	57629.7	-35.4	-11.8	6.6	-28.3	-0.4	31.4
800	325	57638.8	-29.8	-11.8	5.9	-23.7	-1.7	29.8
800	337.5	57689.8	-24.5	-5.8	5.5	-20.5	-0.7	29.0
800	350	57723.9	-20.9	-5.3	5.2	-22.1	0.0	28.2
800	362.5	57832.2	-13.6	-2.9	5.3	-18.6	-0.1	27.9
800	375	57830.2	-7.3	-2.2	5.2	-15.8	0.3	26.4
800	387.5	57837.4	-0.9	0.6	5.2	-11.1	-0.6	26.4
800	400	57880.9	5.8	2.3	5.3	-7.5	0.6	26.4
800	412.5	57858.5	9.2	4.7	5.5	-3.3	0.4	26.7
800	425	57877.8	13.6	1.7	5.6	-4.1	1.4	26.4
800	437.5	57838.3	15.3	3.1	5.7	-2.6	1.1	27.2
800	450	57854.7	17.5	0.5	6.1	-1.3	0.5	27.9
800	462.5	57856.6	19.6	-0.6	6.3	-1.9	-1.0	28.7
800	475	57856.1	21.3	-0.3	6.4	-2.5	-1.4	29.0
800	487.5	57842.0	24.7	-2.7	6.7	-2.6	-2.2	29.4
800	500	57828.3	26.8	-0.5	7.1	-1.9	-2.1	29.0
line 900								
900	-50	57767.4	21.0	14.7	10.4	12.3	10.5	37.5
900	-37.5	57788.4	8.6	5.2	9.7	0.6	2.3	36.8
900	-25	57803.1	5.7	4.0	9.3	-0.9	1.0	35.7
900	-12.5	57812.4	3.8	3.7	8.6	-2.3	1.0	34.2
900	0	57821.7	0.7	-0.5	8.1	-4.7	-0.7	33.6
900	12.5	57827.7	3.9	-0.1	7.7	-3.0	-0.5	32.7
900	25	57827.3	6.2	1.1	7.5	-2.3	0.2	32.7
900	37.5	57829.5	8.8	1.9	7.5	-0.1	0.7	32.6
900	50	57832.5	11.7	3.7	7.7	1.2	2.0	32.7
900	62.5	57864.0	12.8	4.1	8.3	2.1	2.5	33.2
900	75	57892.7	-1.7	-4.2	8.4	-2.7	-1.9	33.7
900	87.5	57848.1	-5.3	-6.4	7.5	-3.5	-3.0	33.2
900	100	57851.9	-2.0	-5.4	7.3	-2.8	-2.7	33.3
900	112.5	57879.3	-1.1	-6.0	7.2	-3.1	-3.7	33.2
900	125	57889.9	0.2	-4.8	7.0	-3.5	-3.9	33.4
900	137.5	57898.1	1.4	-6.7	6.8	-3.6	-4.9	33.5
900	150	57926.2	3.1	-5.9	6.6	-1.8	-4.0	33.8
900	162.5	57945.7	5.3	-4.7	6.6	-2.4	-4.0	33.9
900	175	57968.1	5.6	-5.5	6.7	-0.7	-3.7	34.1
900	187.5	58119.9	4.8	-7.0	6.7	-3.2	-4.4	35.1
900	200	57964.8	4.8	-8.2	6.7	-2.7	-5.5	34.9
900	212.5	57858.6	5.3	-9.1	6.7	-3.0	-5.1	34.9

900	225	57887.3	4.9	-9.9	6.7	-1.9	-4.8	34.9
900	237.5	57954.4	5.5	-7.7	6.8	-1.1	-4.6	34.9
900	250	58018.3	5.1	-6.6	7.1	-1.0	-3.4	35.2
900	262.5	57861.4	-5.3	-4.7	8.1	-9.1	-2.7	37.5
900	275	57822.0	-15.9	-5.7	7.5	-17.9	-1.9	35.9
900	287.5	57734.7	-20.8	-6.1	6.9	-20.4	0.2	33.8
900	300	57675.7	-18.0	-6.5	5.8	-17.4	-1.7	31.3
900	312.5	57783.2	-12.4	-6.2	5.6	-13.9	-2.3	30.9
900	325	57903.8	-9.3	-6.4	5.8	-13.9	-1.3	30.3
900	337.5	57878.0	-12.9	-7.6	5.7	-13.7	-0.3	30.0
900	350	57779.5	-15.9	-9.8	5.2	-15.2	-0.9	30.0
900	362.5	57697.5	0.6	-5.7	4.9	-13.7	-2.3	29.7
900	375	57760.3	0.3	-2.6	4.6	-12.7	-3.0	29.9
900	387.5	57787.5	8.7	-0.7	4.8	-9.9	-3.1	30.4
900	400	57820.0	13.1	1.0	5.0	-5.3	-3.6	30.0
900	412.5	57860.0	15.9	0.1	5.1	-4.3	-4.1	29.9
900	425	57900.8	21.3	0.4	5.2	-1.0	-3.9	29.7
900	437.5	57921.9	24.9	1.2	5.3	-0.1	-4.6	29.3
900	450	57876.1	28.5	1.2	5.4	1.7	-5.0	29.4
900	462.5	57845.9	33.3	2.0	5.6	3.9	-4.3	29.2
900	475	57844.1	37.1	2.7	5.8	6.0	-3.4	29.6
900	487.5	57834.3	42.6	4.8	6.2	7.0	-2.6	30.1
900	500	57818.3	45.7	5.0	6.5	10.1	-3.5	30.2
line 1000								
1000	-50	57805.2	-5.5	10.8	9.4	-3.8	7.0	38.0
1000	-37.5	57837.8	-11.4	9.2	8.3	-10.4	2.9	35.2
1000	-25	57816.0	-14.3	8.4	7.7	-12.6	1.2	33.9
1000	-12.5	57811.3	-13.1	9.9	7.1	-10.0	2.9	32.7
1000	0	57811.9	-12.4	9.7	6.7	-7.9	3.0	32.6
1000	12.5	57824.8	-11.1	8.2	6.5	-8.2	1.7	32.5
1000	25	57830.5	-10.5	6.0	6.2	-7.0	0.8	31.6
1000	37.5	57854.9	-6.8	5.2	6.0	-5.9	1.6	31.9
1000	50	57865.8	-2.4	4.9	6.1	-3.0	1.7	32.2
1000	62.5	57890.9	0.2	6.0	6.1	-2.4	2.4	32.4
1000	75	57902.2	4.3	7.3	6.6	-1.3	3.7	33.4
1000	87.5	57969.0	-7.2	-0.4	6.9	-8.3	0.0	33.8
1000	100	58100.5	-7.3	0.1	6.7	-8.9	1.1	34.1
1000	112.5	58330.8	-13.8	-2.9	6.5	-14.7	-1.9	34.0
1000	125	58109.6	-15.5	-5.1	6.3	-15.4	-4.3	33.6
1000	137.5	58538.8	-15.6	-6.6	6.0	-18.0	-4.4	33.1
1000	150	58590.9	-14.8	-8.3	5.8	-17.2	-5.4	32.4
1000	162.5	58677.9	-14.4	-8.7	5.6	-16.6	-5.4	31.9
1000	175	58464.0	-13.3	-9.3	5.6	-16.4	-6.3	31.7
1000	187.5	58747.0	-12.3	-11.6	5.4	-16.2	-7.6	30.7
1000	200	58173.5	-7.3	-12.3	5.3	-13.5	-7.4	30.4
1000	212.5	57710.8	-5.2	-11.2	5.3	-12.1	-6.7	30.4
1000	225	58008.1	-3.6	-10.8	5.3	-11.6	-6.8	30.0
1000	237.5	57830.2	-0.2	-8.5	5.4	-9.0	-6.3	29.8
1000	250	57763.7	0.7	-8.0	5.6	-8.2	-6.4	29.7
1000	262.5	57924.3	2.5	-6.8	5.8	-7.4	-7.2	29.7
1000	275	57974.6	-0.4	-7.1	6.0	-8.0	-6.6	30.0
1000	287.5	57991.4	-6.8	-8.5	6.0	-9.5	-8.4	30.0
1000	300	58050.8	-9.2	-7.5	5.5	-8.5	-6.9	29.7
1000	312.5	58189.7	-6.2	-4.0	5.5	-5.7	-4.0	30.3
1000	325	58188.9	-8.8	-4.3	5.5	-5.2	-4.6	31.2
1000	337.5	58157.6	-14.8	-6.4	5.5	-7.5	-4.9	31.7
1000	350	58042.0	-20.6	-8.2	5.1	-10.4	-4.5	31.2
1000	362.5	57928.2	-19.0	-7.1	4.9	-8.7	-4.2	30.8
1000	375	57658.9	-22.3	-8.4	4.4	-6.0	-1.8	30.3
1000	387.5	57692.7	-21.2	-8.7	4.0	-2.4	-0.9	31.0

1000	400	57814.8	-14.5	-5.6	3.6	1.9	-0.2	30.5
1000	412.5	57757.9	-0.1	0.4	3.6	6.6	-0.9	30.0
1000	425	57793.6	8.8	4.3	3.8	7.1	-0.8	29.8
1000	437.5	57808.2	12.3	4.7	4.0	8.3	-1.5	29.7
1000	450	57813.6	20.9	5.7	4.3	9.1	-2.8	29.9
1000	462.5	57833.5	23.2	3.6	4.6	7.0	-3.7	30.8
1000	475	57828.6	27.6	4.3	4.8	7.5	-5.5	30.7
1000	487.5	57825.6	30.0	4.4	5.0	7.2	-6.2	31.1
line 1100								
1100	-100	57838.9	68.9	-4.0	10.2	44.0	1.7	43.7
1100	-87.5	57851.5	39.5	-3.4	13.7	26.0	1.2	53.3
1100	-75	57837.0	22.0	-7.2	13.3	9.5	-2.7	51.9
1100	-62.5	57837.2	13.3	-5.4	12.1	0.6	-2.5	46.3
1100	-50	57843.7	4.4	-2.8	11.7	-3.3	-0.8	41.7
1100	-37.5	57839.2	-7.4	-2.6	10.7	-5.8	-0.2	39.2
1100	-25	57841.5	-10.4	0.4	9.6	-3.9	1.1	37.8
1100	-12.5	57850.6	-9.6	3.6	9.0	-4.8	2.8	37.9
1100	0	57832.8	-9.7	6.5	8.9	-7.1	4.9	38.6
1100	12.5	57831.3	-11.8	12.5	8.7	-9.5	8.2	38.8
1100	25	57853.5	-11.8	10.0	7.9	-10.5	5.7	37.4
1100	37.5	57864.4	-6.9	8.9	7.8	-9.6	3.9	36.3
1100	50	57881.9	-1.7	8.1	7.7	-7.6	3.5	35.9
1100	62.5	57908.8	3.2	7.7	7.8	-6.9	2.5	35.6
1100	75	57932.0	6.7	9.8	8.1	-3.7	3.9	35.7
1100	87.5	57956.1	6.0	7.8	9.0	-3.8	4.4	36.5
1100	100	57994.5	-3.8	1.3	8.7	-9.6	0.3	35.8
1100	112.5	58131.0	-6.9	-1.9	8.4	-10.4	-1.1	35.0
1100	125	58283.1	-8.7	-5.2	8.1	-11.4	-2.6	34.7
1100	137.5	58626.8	-10.1	-8.3	7.7	-12.8	-4.3	34.0
1100	150	58695.7	-8.8	-9.9	7.4	-11.2	-3.7	33.4
1100	162.5	59109.2	-7.9	-12.1	7.1	-10.4	-5.3	32.6
1100	175	58659.7	-3.8	-11.3	6.9	-7.9	-5.3	32.7
1100	187.5	58197.4	-0.9	-11.1	6.8	-5.9	-4.4	32.8
1100	200	58210.7	2.2	-10.5	6.7	-5.3	-4.8	32.9
1100	212.5	58156.4	4.9	-10.6	6.7	-4.0	-4.5	32.9
1100	225	58019.5	8.9	-9.2	6.8	-2.6	-4.9	33.7
1100	237.5	57846.3	10.6	-7.3	7.2	-1.4	-4.9	34.8
1100	250	57953.5	10.4	-7.9	7.6	-1.9	-5.4	35.8
1100	262.5	58155.9	6.3	-6.5	8.2	-5.8	-5.6	36.9
1100	275	58115.6	-0.3	-7.0	8.4	-10.2	-5.7	37.5
1100	287.5	58116.0	-8.5	-7.5	8.3	-15.6	-5.6	38.1
1100	300	57896.0	-15.6	-8.4	7.6	-23.7	-7.1	37.7
1100	312.5	57957.5	-13.6	-4.7	7.0	-23.3	-4.9	36.2
1100	325	58034.3	-12.5	-3.2	6.7	-21.4	-3.7	35.6
1100	337.5	58050.1	-10.3	-3.5	6.4	-18.9	-4.2	35.2
1100	350	58155.4	-8.3	-2.3	6.2	-15.9	-5.0	35.1
1100	362.5	58185.4	-7.3	-3.5	6.1	-14.8	-5.1	35.1
1100	375	57205.4	-8.0	-4.2	5.8	-15.2	-6.7	34.9
1100	387.5	57583.0	-12.4	-8.9	5.2	-17.0	-9.8	33.9
1100	400	57633.0	-8.5	-11.1	4.6	-15.7	-10.6	32.9
1100	412.5	57715.1	-4.1	-8.0	4.1	-14.3	-11.5	31.5
1100	425	57723.5	10.6	-1.2	4.0	-4.7	-8.2	31.1
1100	437.5	57775.8	19.5	0.0	4.3	5.4	-5.3	31.5
1100	450	57786.6	25.2	2.7	4.5	6.8	-5.9	32.3
1100	462.5	57734.9	35.4	8.0	4.8	10.9	-5.0	32.4
1100	475	57792.4	41.0	10.1	5.3	15.7	-2.8	33.2
1100	487.5	57859.9	42.0	9.4	6.1	18.2	-1.8	35.8
1100	500	58088.8	30.9	2.6	6.9	11.0	-3.1	37.4
line 1200								
1200	-225	58027.7	23.9	-3.6	7.5	10.5	-1.1	36.8

1200	-212.5	58008.3	25.0	-3.0	7.6	10.3	-1.5	37.7
1200	-200	57961.0	25.5	-5.2	7.7	11.7	-3.1	37.2
1200	-187.5	57930.0	25.5	-5.4	7.8	12.7	-2.7	37.6
1200	-175	57893.7	24.8	-6.7	8.0	14.3	-3.0	38.4
1200	-162.5	57889.3	24.7	-7.8	8.0	13.5	-3.9	38.8
1200	-150	57879.2	23.5	-7.5	8.3	12.5	-3.8	39.4
1200	-137.5	57846.3	22.5	-8.4	8.5	11.4	-4.0	40.5
1200	-125	57843.9	19.2	-8.4	8.6	7.7	-4.6	41.0
1200	-112.5	57831.4	19.5	-7.4	8.9	7.3	-5.0	41.0
1200	-100	57845.2	18.5	-7.2	9.0	4.8	-4.4	41.3
1200	-87.5	57832.7	17.2	-6.6	9.4	3.5	-3.8	41.3
1200	-75	57834.8	10.8	-7.3	9.5	-2.4	-4.5	40.6
1200	-62.5	57858.3	7.9	-6.7	9.2	-6.6	-4.2	38.5
1200	-50	57845.7	5.7	-6.2	9.1	-9.1	-3.9	37.2
1200	-37.5	57842.8	5.1	-6.0	9.1	-10.6	-4.6	36.6
1200	-25	57840.0	3.9	-4.8	9.2	-13.0	-3.8	36.1
1200	-12.5	57834.2	-0.7	-4.9	9.2	-18.1	-6.9	34.3
1200	0	57836.9	-0.8	-1.3	9.0	-15.7	-3.9	33.2
1200	12.5	57845.5	-2.0	1.3	8.2	-14.0	-0.4	32.8
1200	25	57858.5	-5.1	3.4	8.4	-11.4	2.8	34.5
1200	37.5	57877.5	-11.7	0.3	8.0	-14.9	0.0	34.6
1200	50	57898.4	-10.7	1.5	7.5	-14.7	0.5	34.2
1200	62.5	57931.9	-9.2	2.6	7.3	-12.8	0.6	34.2
1200	75	57950.2	-8.4	2.3	7.1	-12.7	0.9	33.9
1200	87.5	57983.6	-5.6	3.6	7.0	-9.5	1.5	34.0
1200	100	58001.5	-1.7	5.1	7.2	-7.3	3.1	34.6
1200	112.5	58069.0	-6.8	1.4	7.8	-11.3	0.6	36.0
1200	125	58174.6	-13.8	-3.2	7.7	-15.0	-4.8	35.7
1200	137.5	58117.1	-13.8	-4.3	7.2	-17.0	-4.5	34.5
1200	150	58231.9	-14.1	-5.5	6.9	-15.8	-4.6	33.9
1200	162.5	58377.4	-13.3	-6.6	6.7	-13.9	-5.4	33.5
1200	175	58472.1	-10.9	-7.4	6.5	-11.6	-5.3	33.5
1200	187.5	58487.6	-9.7	-9.3	6.4	-9.9	-4.7	33.7
1200	200	58222.4	-8.7	-10.4	6.3	-9.3	-4.0	33.7
1200	212.5	57999.1	-7.3	-11.5	6.3	-9.2	-3.7	33.7
1200	225	57753.3	-6.3	-12.7	6.3	-9.0	-4.5	35.6
1200	237.5	57931.9	-6.5	-14.0	6.3	-11.0	-6.4	35.8
1200	250	58250.0	-3.8	-15.4	6.2	-11.2	-7.0	35.1
1200	262.5	58045.7	0.0	-12.7	6.3	-10.0	-7.1	35.4
1200	275	58045.3	1.6	-10.7	6.5	-9.4	-5.3	35.4
1200	287.5	58205.0	-5.0	-9.0	7.2	-13.9	-4.9	36.0
1200	300	58178.8	-10.3	-9.2	7.1	-15.3	-6.1	35.0
1200	312.5	58023.3	-14.6	-9.2	6.7	-19.7	-6.7	34.6
1200	325	57978.8	-16.7	-8.4	6.5	-19.9	-3.9	34.1
1200	337.5	57851.2	-22.4	-8.4	6.2	-21.2	-3.5	33.6
1200	350	57857.8	-23.0	-7.7	5.8	-21.4	-3.9	33.1
1200	362.5	57914.1	-21.5	-7.7	5.5	-20.2	-5.7	32.9
1200	375	57736.3	-20.1	-8.3	5.2	-20.3	-7.9	32.0
1200	387.5	57663.3	-17.7	-6.7	5.0	-17.0	-7.3	31.6
1200	400	57723.8	-17.1	-5.4	5.0	-13.7	-5.9	31.2
1200	412.5	57686.9	-19.6	-12.0	4.6	-11.7	-7.3	31.8
1200	425	57707.5	-12.1	-9.3	4.1	-8.7	-7.8	32.3
1200	437.5	57702.0	-5.1	-6.5	4.0	-7.5	-9.1	33.2
1200	450	57867.1	-1.4	-1.3	4.4	-11.7	-8.4	34.4
line 1300								
1300	-175	57936.7	33.1	-2.2	8.0	5.1	-5.4	35.8
1300	-162.5	57894.2	32.2	-5.5	8.0	6.8	-6.9	35.0
1300	-150	57856.4	28.3	-8.3	8.1	6.1	-9.4	34.8
1300	-137.5	57862.5	26.8	-10.1	8.0	6.5	-10.7	34.1
1300	-125	57836.6	27.5	-9.4	7.7	8.2	-10.1	33.8

1300	-112.5	57831.1	28.4	-7.7	7.9	10.9	-8.2	34.2
1300	-100	57838.9	28.3	-7.1	8.1	13.8	-6.4	35.2
1300	-87.5	57841.3	26.8	-8.1	8.1	13.2	-6.4	35.9
1300	-75	57844.8	23.9	-7.6	8.3	11.3	-6.2	37.1
1300	-62.5	57833.9	22.0	-7.8	8.4	11.7	-6.0	37.9
1300	-50	57826.4	20.3	-5.0	8.6	10.6	-4.1	39.3
1300	-37.5	57833.8	13.0	-3.6	8.5	3.5	-2.4	40.4
1300	-25	57839.7	11.5	0.8	8.1	1.0	0.5	40.1
1300	-12.5	57822.5	12.5	5.4	8.0	1.0	3.3	39.6
1300	0	57821.0	12.3	7.1	7.7	1.5	4.5	39.5
1300	12.5	57838.7	5.3	4.6	8.0	-3.4	4.1	39.0
1300	25	57844.8	2.8	6.2	7.6	-3.5	6.2	38.3
1300	37.5	57872.5	-3.3	3.6	7.4	-7.7	4.5	37.9
1300	50	57889.1	-5.7	1.4	6.9	-9.7	1.9	36.9
1300	62.5	57908.5	-3.7	1.6	6.5	-8.4	2.4	36.3
1300	75	57920.7	-2.6	1.0	6.3	-8.1	1.6	35.7
1300	87.5	57933.4	0.0	1.7	6.1	-7.2	1.6	35.3
1300	100	57954.2	2.4	3.3	6.2	-5.0	2.4	35.5
1300	112.5	57983.7	-2.6	-0.1	6.3	-9.0	0.3	35.6
1300	125	58134.7	-3.1	0.0	6.3	-8.3	-0.5	34.8
1300	137.5	58237.4	-6.2	-3.2	6.0	-9.6	-1.3	34.3
1300	150	58121.0	-5.2	-3.7	5.8	-7.2	0.3	34.0
1300	162.5	58250.2	-4.3	-2.9	5.7	-6.3	0.4	34.9
1300	175	58282.8	-1.8	-4.0	5.7	-4.2	0.6	35.1
1300	187.5	58035.2	-1.9	-4.9	5.8	-5.8	-1.5	36.2
1300	200	58190.9	-4.3	-10.5	5.9	-9.1	-5.2	36.5
1300	212.5	58155.4	-4.4	-12.9	5.8	-10.8	-6.5	36.3
1300	225	58139.4	-4.9	-15.4	5.7	-10.5	-8.1	35.5
1300	237.5	57949.8	-0.7	-16.4	5.5	-8.5	-7.9	35.2
1300	250	58034.8	2.0	-15.4	5.5	-8.4	-7.9	35.0
1300	262.5	57969.7	4.9	-13.1	5.6	-7.1	-6.3	35.3
1300	275	58031.5	6.4	-11.5	5.8	-7.2	-6.0	36.0
1300	287.5	58177.0	7.5	-9.5	6.2	-6.3	-6.2	36.6
1300	300	58633.4	1.5	-9.3	7.1	-10.8	-6.1	39.2
1300	312.5	58130.1	-14.5	-15.0	6.7	-25.2	-9.9	39.0
1300	325	57684.3	-18.0	-13.0	6.2	-28.6	-9.4	36.9
1300	337.5	57768.8	-21.4	-10.9	5.6	-25.7	-4.7	35.4
1300	350	57653.7	-20.6	-8.9	5.3	-23.7	-4.0	35.8
1300	362.5	57625.0	-16.1	-4.5	5.0	-19.8	-2.2	36.9
1300	375	57799.7	-17.4	-4.7	5.1	-23.6	-4.7	37.8
1300	387.5	57755.5	-20.5	-5.6	4.9	-30.7	-4.6	36.7
1300	400	57877.7	-18.8	-5.7	4.4	-32.1	-3.0	35.0
1300	412.5	57763.5	-14.8	-3.6	4.0	-29.2	-1.4	32.9
1300	425	57714.9	-10.5	-2.3	3.8	-25.7	1.0	32.1
Line 1400								
1400	-125	57843.6	43.1	-2.7	10.6	24.0	-2.4	39.7
1400	-112.5	57823.0	33.3	-1.2	12.5	20.9	-0.5	45.7
1400	-100	57814.2	6.8	-0.6	14.0	-0.8	0.0	53.7
1400	-87.5	57806.7	-17.0	3.8	13.1	-27.0	3.7	49.3
1400	-75	57815.9	-29.5	6.3	11.3	-40.2	5.8	42.6
1400	-62.5	57825.4	-31.2	4.4	9.1	-42.3	7.6	35.5
1400	-50	57811.3	-24.5	6.6	7.6	-33.8	11.1	31.2
1400	-37.5	57803.2	-8.3	12.1	7.2	-19.7	14.8	30.5
1400	-25	57796.3	2.1	13.7	7.7	-10.6	13.9	32.1
1400	-12.5	57818.9	6.3	15.0	8.4	-6.9	13.5	34.2
1400	0	57823.0	3.9	13.3	9.1	-8.2	11.5	35.7
1400	12.5	57926.3	2.9	9.4	7.0	-8.3	9.1	34.7
1400	25	57886.4	-2.3	5.2	6.6	-11.8	5.5	33.4
1400	37.5	57911.6	0.0	6.8	6.2	-10.6	5.9	32.2
1400	50	57941.2	1.0	5.7	6.1	-9.1	6.2	32.4

1400	62.5	57967.0	0.8	4.7	6.0	-7.8	5.4	31.7
1400	75	57984.9	1.7	3.0	5.9	-7.8	4.7	31.8
1400	87.5	58003.8	1.8	3.8	5.9	-8.0	4.1	32.0
1400	100	58050.3	4.6	5.5	6.0	-5.2	6.0	32.7
1400	112.5	58175.9	0.9	4.2	6.5	-6.7	5.8	33.4
1400	125	58413.0	-6.9	-2.1	6.4	-12.1	3.0	33.1
1400	137.5	58697.5	-7.8	-3.9	6.1	-12.3	2.3	32.3
1400	150	58557.8	-7.4	-5.6	5.8	-10.5	1.3	32.3
1400	162.5	58716.1	-7.9	-7.0	5.7	-11.9	0.4	32.2
1400	175	58456.4	-7.5	-7.2	5.6	-11.6	0.0	32.1
1400	187.5	58431.9	-7.5	-8.7	5.6	-11.9	-0.6	32.7
1400	200	58810.4	-8.0	-12.9	5.4	-13.1	-4.7	31.6
1400	212.5	58292.3	-5.5	-14.1	5.3	-11.5	-4.5	31.3
1400	225	58103.3	-2.6	-13.9	5.3	-10.0	-4.3	31.5
1400	237.5	57893.0	-0.6	-14.5	5.3	-9.5	-5.1	32.0
1400	250	57898.0	1.2	-12.8	5.4	-10.6	-5.5	31.4
1400	262.5	57931.6	3.1	-12.4	5.5	-9.3	-4.7	31.7
1400	275	58040.1	4.1	-10.5	5.6	-7.7	-3.7	31.9
1400	287.5	58048.2	2.4	-8.9	5.9	-7.9	-1.8	31.8
1400	300	57774.8	-4.9	-10.9	6.0	-11.4	-2.0	31.8
1400	312.5	57958.8	-5.8	-9.2	5.8	-11.9	0.6	32.3
1400	325	58248.4	-7.4	-5.8	5.9	-13.4	2.4	32.9
1400	337.5	58252.0	-8.1	-1.8	6.2	-14.3	6.5	34.1
1400	350	58158.2	-20.4	-10.1	6.0	-23.0	2.0	35.1
1400	362.5	58105.8	-25.6	-10.8	5.3	-26.3	1.5	34.0
1400	375	57953.1	-23.8	-12.8	4.9	-27.5	1.1	32.8
1400	387.5	57835.6	-22.1	-11.0	4.6	-25.5	1.6	32.7
1400	400	57839.2	-20.9	-7.2	4.3	-23.4	2.5	32.3
1400	412.5	57859.2	-17.0	-6.6	4.2	-21.7	1.8	32.4
1400	425	57696.0	-14.3	-8.4	4.0	-22.5	-0.4	32.2
1400	437.5	57631.9	-14.3	-9.6	3.9	-23.8	-3.1	31.8
1400	450	57626.1	-7.0	-8.9	3.7	-21.2	-3.5	30.8
line 1500								
1500	-25	57818.8	23.6	17.4	10.0	-7.2	9.8	32.7
1500	-12.5	57826.8	17.3	13.2	10.2	-7.1	10.6	33.0
1500	0	57843.7	10.2	9.8	10.2	-7.8	11.1	33.5
1500	12.5	57841.5	-0.7	8.2	7.7	-11.6	11.3	30.4
1500	25	57877.0	-2.3	8.0	7.2	-12.1	9.9	30.3
1500	37.5	57896.2	-2.1	7.2	6.9	-11.7	8.8	30.0
1500	50	57923.6	-0.2	8.1	6.8	-9.8	9.1	30.1
1500	62.5	57954.2	0.6	6.8	6.8	-9.7	8.4	30.3
1500	75	57986.6	-0.8	5.2	6.8	-9.9	7.3	30.1
1500	87.5	57986.9	-2.7	3.5	6.6	-10.8	4.6	30.0
1500	100	58023.8	-2.1	2.7	6.5	-10.9	5.1	29.7
1500	112.5	58084.8	0.1	4.3	6.5	-8.8	6.0	30.0
1500	125	58156.7	0.0	5.0	6.7	-7.7	5.4	30.5
1500	137.5	58283.5	-1.9	2.3	6.8	-9.0	3.4	31.3
1500	150	58423.9	-5.8	-1.0	6.8	-12.2	1.8	31.5
1500	162.5	58996.7	-10.7	-4.3	6.4	-14.2	-1.0	31.0
1500	175	58730.1	-9.3	-4.9	6.4	-13.3	-1.6	31.3
1500	187.5	58527.5	-9.7	-5.8	6.3	-13.3	-3.1	31.5
1500	200	58428.9	-13.0	-10.0	6.3	-16.0	-4.7	31.5
1500	212.5	58377.8	-14.7	-11.7	6.0	-15.9	-6.8	30.9
1500	225	58750.3	-11.7	-11.4	5.9	-14.5	-5.7	31.0
1500	237.5	58626.5	-11.6	-12.1	5.7	-13.3	-6.1	30.7
1500	250	58234.1	-9.3	-13.4	5.6	-12.4	-5.9	30.6
1500	262.5	57730.1	-8.3	-12.4	5.5	-10.9	-4.8	30.6
1500	275	57574.1	-7.1	-11.2	5.7	-9.4	-4.7	31.4
1500	287.5	57964.6	-6.3	-11.1	5.6	-9.2	-3.1	31.2
1500	300	57992.8	-5.8	-11.2	5.7	-8.9	-2.4	31.3

1500	312.5	58018.5	-3.8	-8.0	5.7	-6.8	0.5	31.9
1500	325	58122.7	-2.8	-6.3	5.8	-6.3	2.2	32.4
1500	337.5	58107.3	-2.7	-1.0	6.2	-5.6	5.3	34.0
1500	350	58115.3	-3.1	0.0	6.5	-6.4	6.4	35.4
1500	362.5	58101.0	-4.6	2.2	6.9	-8.2	7.2	36.3
1500	375	58261.6	-29.5	-11.3	6.8	-29.4	-4.6	37.2
1500	387.5	58115.0	-37.1	-20.1	5.9	-36.3	-6.5	34.8
1500	400	58045.5	-38.8	-22.1	5.3	-36.9	-5.9	33.4
1500	412.5	57970.0	-36.2	-20.9	5.0	-35.2	-4.6	32.8
1500	425	57929.9	-32.9	-22.1	4.5	-33.7	-4.6	31.5
1500	437.5	57899.7	-28.8	-19.5	4.2	-32.0	-4.6	31.1
1500	450	57837.5	-27.1	-19.2	4.2	-30.6	-4.4	31.1
line -100								
-100	-1075	59716.5	18.1	-1.5	7.9	5.3	-2.5	32.6
-100	-1062.5	59663.5	17.0	-2.4	7.8	6.8	-1.3	32.4
-100	-1050	59977.9	18.6	-4.0	7.8	8.4	-1.7	31.6
-100	-1037.5	59798.8	17.0	-4.9	7.9	8.9	-1.1	31.8
-100	-1025	59697.5	16.8	-5.4	7.8	10.5	-1.2	31.1
-100	-1012.5	59114.3	16.0	-5.5	7.9	11.6	-0.4	31.3
-100	-1000	59299.0	14.2	-6.4	7.8	13.7	0.8	31.0
-100	-987.5	59057.1	13.3	-7.0	7.9	15.2	1.9	30.9
-100	-975	58821.5	11.3	-7.2	8.0	16.3	3.6	31.0
-100	-962.5	58372.4	10.1	-6.6	8.2	19.9	5.3	31.2
-100	-950	58168.9	9.6	-6.7	8.3	20.2	6.4	31.9
-100	-937.5	58117.8	7.6	-6.9	8.2	18.8	5.1	32.3
-100	-925	58046.6	6.9	-5.8	8.1	17.9	3.7	32.3
-100	-912.5	58000.6	6.0	-5.6	8.1	18.1	3.3	32.6
-100	-900	57911.9	5.4	-4.6	8.1	18.8	3.8	33.1
-100	-887.5	57816.1	3.5	-4.5	8.1	19.5	3.7	33.0
-100	-875	57856.1	0.9	-5.1	8.0	19.4	3.9	33.3
-100	-862.5	58227.8	-0.3	-5.1	7.9	19.0	3.6	33.5
-100	-850	58429.6	-1.2	-5.7	7.7	19.3	3.8	33.7
-100	-837.5	58451.1	-0.5	-3.4	7.6	21.5	4.5	33.8
-100	-825	58538.7	-1.2	-3.2	7.6	21.8	4.8	34.1
-100	-812.5	58190.0	-2.8	-3.7	7.7	19.6	3.1	34.8
-100	-800	58260.3	-3.9	-4.9	7.6	18.8	2.4	35.2
-100	-787.5	58425.9	-4.5	-4.5	7.4	17.6	2.2	35.5
-100	-775	58410.4	-3.2	-5.0	7.2	16.5	1.4	35.4
-100	-762.5	58492.1	-2.6	-4.7	7.1	15.1	1.5	35.6
-100	-750	58325.0	-1.4	-3.7	7.2	12.9	1.0	36.1
-100	-737.5	58476.0	-1.4	-3.9	7.0	13.2	0.7	35.6
-100	-725	58289.4	-0.8	-4.3	6.8	12.5	0.2	35.6
-100	-712.5	58361.2	-0.1	-4.3	6.8	10.9	0.4	35.8
-100	-700	58450.6	1.0	-4.2	6.7	10.3	0.7	35.9
-100	-687.5	58396.5	0.5	-4.4	6.7	9.0	-0.5	36.8
-100	-675	58754.6	-2.5	-6.7	5.3	4.3	-2.4	35.9
-100	-662.5	58587.8	-1.9	-6.9	5.1	4.1	-2.5	35.4
-100	-650	58594.7	1.6	-5.3	5.0	4.3	-2.1	35.1
-100	-637.5	58393.7	2.8	-4.2	5.0	3.9	-1.8	34.7
-100	-625	58301.4	3.9	-4.3	5.1	2.1	-2.6	34.8
-100	-612.5	58268.9	4.8	-5.4	5.0	1.0	-3.4	34.1
-100	-600	57900.0	5.4	-5.9	5.0	0.7	-3.4	33.8
-100	-587.5	58318.4	6.1	-5.3	5.0	0.8	-3.6	33.2
-100	-575	59168.0	7.1	-5.1	5.0	0.7	-3.0	32.9
-100	-562.5	59018.0	11.5	-3.9	5.0	3.0	-2.5	32.6
-100	-550	58423.3	13.8	-2.8	5.1	2.6	-2.0	32.8
-100	-537.5	58009.8	14.1	-1.8	5.3	3.7	-1.3	33.0
-100	-525	57641.2	12.4	-2.2	5.5	1.9	-1.4	33.5
-100	-512.5	57778.2	10.3	-2.1	5.6	2.4	-1.0	33.5
-100	-500	57557.4	3.9	-5.2	5.7	0.4	-1.8	33.9

-100	-487.5	57015.8	-1.8	-11.0	5.4	-2.4	-4.2	33.6
-100	-475	57036.3	1.2	-9.7	5.1	-2.0	-4.2	32.9
-100	-462.5	57171.7	5.6	-8.4	5.0	0.7	-2.5	32.2
-100	-450	57217.7	8.6	-6.4	5.0	4.1	-0.3	32.3
-100	-437.5	57242.3	12.1	-5.9	5.0	7.7	1.0	32.7
-100	-425	57446.8	15.4	-4.5	5.3	8.9	2.1	35.4
-100	-412.5	57436.8	7.1	-11.8	5.8	-0.4	-2.7	37.7
-100	-400	57333.4	8.6	-14.5	5.1	-3.0	-4.6	34.3
-100	-387.5	57450.2	16.6	-9.6	5.2	1.8	-2.1	33.5
-100	-375	57668.2	19.5	-6.4	5.6	3.3	-1.1	34.5
-100	-362.5	58035.8	15.9	-10.2	5.9	-1.6	-4.3	35.3
-100	-350	57868.3	15.7	-5.4	6.2	-3.1	-4.2	34.7
-100	-337.5	57510.9	11.6	-2.6	6.4	-1.9	-3.4	34.0
-100	-325	57412.9	-6.5	2.1	6.6	-3.3	-3.4	33.2
-100	-312.5	57432.3	-18.5	6.2	6.2	-2.8	-4.8	32.7
-100	-300	57481.5	-22.5	8.0	5.8	-0.9	-5.5	31.8
-100	-287.5	57408.7	-25.3	7.5	4.8	2.2	-6.2	30.7
-100	-275	57438.9	-17.2	10.7	4.4	5.6	-5.6	30.7
-100	-262.5	57467.3	-10.4	13.0	4.2	8.5	-4.5	30.7
-100	-250	57490.7	-2.9	14.6	4.1	9.4	-4.5	31.1
-100	-237.5	57514.6	1.3	13.8	4.2	9.5	-3.8	31.8
-100	-225	57534.5	1.0	9.7	4.2	4.8	-6.6	32.9
-100	-212.5	57566.6	-0.6	2.1	4.1	0.5	-8.8	32.5
-100	-200	57588.4	1.0	0.9	3.9	-0.5	-10.1	31.5
-100	-187.5	57608.4	8.9	1.8	3.7	2.6	-10.4	30.7
-100	-175	57598.5	12.7	0.4	3.7	3.6	-10.6	30.2
-100	-162.5	57622.7	18.0	-0.5	3.8	3.7	-11.5	29.9
-100	-150	57636.8	19.8	0.4	3.8	5.6	-11.6	29.2
-100	-137.5	57643.5	21.9	-0.8	3.8	7.3	-12.6	28.8
-100	-125	57623.8	28.8	1.5	4.0	9.8	-12.5	28.2
-100	-112.5	57661.4	17.6	-5.2	4.4	8.9	-14.1	28.9
-100	-100	57736.9	11.8	-8.4	4.2	6.4	-16.2	28.4
-100	-87.5	57689.6	13.5	-8.8	4.0	7.9	-15.9	28.0
-100	-75	57691.4	14.1	-10.6	3.9	11.5	-14.7	28.1
-100	-62.5	57696.3	18.0	-9.6	3.8	15.5	-14.1	28.1
-100	-50	57711.0	15.8	-11.3	4.0	17.6	-12.9	28.0
-100	-37.5	57690.9	22.8	-9.5	3.6	28.6	-6.3	27.1
-100	-25	57711.3	29.9	-5.5	3.8	32.3	-8.2	27.7
-100	-12.5	57729.5	38.7	-2.8	4.1	36.5	-2.3	29.1
-100	0	57767.9	37.7	-1.7	4.6	33.3	-2.7	31.9
line -200								
-200	-1100	58848.5	12.5	-2.3	8.6	4.8	0.7	32.9
-200	-1087.5	59443.3	0.6	-10.7	8.3	1.2	-1.3	32.8
-200	-1075	59140.5	-1.0	-14.2	7.6	0.0	-2.7	32.4
-200	-1062.5	58886.9	-0.2	-13.5	7.4	1.0	-2.9	31.9
-200	-1050	58983.8	0.0	-12.9	7.2	1.0	-2.8	31.4
-200	-1037.5	58771.5	0.9	-12.3	7.2	2.1	-2.5	30.9
-200	-1025	58971.3	1.4	-10.9	7.2	3.2	-2.4	30.9
-200	-1012.5	59221.1	0.3	-10.7	7.2	3.4	-2.0	30.4
-200	-1000	59183.4	0.3	-9.7	7.2	4.5	-1.9	30.0
-200	-987.5	59125.4	0.7	-8.8	7.2	5.7	0.0	29.6
-200	-975	59918.3	0.1	-8.4	7.1	8.5	0.0	29.3
-200	-962.5	59455.4	1.0	-8.1	7.0	9.7	1.2	29.3
-200	-950	58516.9	1.5	-6.5	7.1	10.9	1.2	29.3
-200	-937.5	57816.9	-2.3	-6.6	7.3	11.5	1.9	29.6
-200	-925	57563.7	-5.3	-8.5	7.1	12.5	2.7	29.3
-200	-912.5	57631.7	-6.7	-6.8	6.8	13.1	3.8	29.2
-200	-900	57909.0	-5.4	-6.0	6.6	14.1	4.8	29.5
-200	-887.5	57843.8	-4.6	-4.1	6.5	14.6	5.7	29.5
-200	-875	57995.6	-4.6	-2.3	6.5	14.1	5.0	30.3

-200	-862.5	58394.2	-5.2	-2.1	6.3	13.1	4.8	30.2
-200	-850	58041.2	-6.1	-2.5	6.2	12.6	3.5	30.2
-200	-837.5	58305.2	-6.9	-3.3	6.1	11.3	2.3	31.0
-200	-825	58384.2	-6.9	-3.1	5.9	10.2	1.1	30.3
-200	-812.5	58470.8	-5.6	-3.7	5.7	9.9	0.5	30.1
-200	-800	58174.7	-3.5	-3.1	5.6	9.4	0.9	30.2
-200	-787.5	58180.8	-2.8	-3.4	5.5	11.2	0.8	30.6
-200	-775	58314.6	-1.7	-1.9	5.4	11.6	0.7	30.7
-200	-762.5	58319.7	-0.3	-2.6	5.4	10.2	0.0	31.2
-200	-750	58257.2	0.8	-3.8	5.4	10.2	-0.3	31.9
-200	-737.5	58367.8	0.7	-3.2	5.4	9.9	-0.1	32.3
-200	-725	58421.2	3.0	-3.5	5.3	9.8	-1.3	32.8
-200	-712.5	58402.1	3.3	-3.8	5.3	8.8	-1.6	33.3
-200	-700	58550.7	4.5	-4.0	4.5	7.3	-1.5	31.4
-200	-687.5	58746.6	5.1	-4.5	4.6	6.4	-2.1	31.9
-200	-675	58563.1	6.8	-4.7	4.6	6.1	-2.8	32.7
-200	-662.5	58546.2	6.4	-6.4	4.7	3.7	-3.2	33.2
-200	-650	58449.7	5.2	-7.2	4.7	0.8	-4.4	33.2
-200	-637.5	58427.0	5.2	-7.0	4.7	0.3	-4.0	32.5
-200	-625	58828.3	5.9	-6.7	4.6	0.7	-3.4	32.9
-200	-612.5	58349.3	6.5	-5.8	4.7	-0.1	-2.5	33.1
-200	-600	58221.7	6.4	-5.2	4.8	-1.6	-2.3	33.0
-200	-587.5	58267.4	6.2	-6.2	4.8	-4.8	-4.0	32.9
-200	-575	57863.9	5.5	-6.1	5.0	-5.2	-4.4	32.8
-200	-562.5	57254.2	1.3	-6.6	5.1	-6.1	-4.0	32.3
-200	-550	56994.6	-5.1	-10.5	4.8	-8.1	-4.0	31.4
-200	-537.5	57132.8	-2.3	-9.3	4.7	-6.9	-3.8	31.9
-200	-525	57220.8	0.0	-8.7	4.8	-5.7	-3.8	32.2
-200	-512.5	57244.5	3.4	-7.0	4.7	-5.6	-4.6	32.1
-200	-500	57373.4	4.8	-4.9	4.7	-5.4	-4.6	31.5
-200	-487.5	57484.8	4.8	-5.3	4.7	-3.5	-2.8	31.3
-200	-475	57537.8	3.2	-5.2	4.8	-2.6	-2.0	32.0
-200	-462.5	57478.5	0.4	-9.5	4.8	-1.6	-2.6	33.6
-200	-450	57331.8	-1.5	-12.7	4.8	-4.3	-4.5	32.8
-200	-437.5	57286.9	4.5	-10.3	4.7	-2.9	-4.1	32.7
-200	-425	57305.1	8.3	-6.3	4.8	-2.5	-2.9	31.7
-200	-412.5	57544.5	9.2	-3.3	5.2	-4.3	-3.4	31.8
-200	-400	57474.2	8.4	-1.8	5.5	-5.3	-2.9	32.2
-200	-387.5	57588.6	1.1	1.5	6.3	-7.6	-1.9	32.2
-200	-375	57601.1	-16.2	6.1	6.5	-13.9	0.1	31.2
-200	-362.5	-362.5	*	*	*	*	*	*
-200	-350	57405.5	-27.9	17.8	4.6	-13.0	-1.0	30.0
-200	-337.5	57448.2	-23.2	13.2	4.5	-12.8	-3.6	30.2
-200	-325	57484.9	-24.4	7.9	4.3	-14.4	-6.5	30.4
-200	-312.5	57481.8	-24.4	6.1	3.8	-15.9	-9.1	28.9
-200	-300	57497.7	-18.0	10.1	3.7	-11.0	-7.1	28.2
-200	-287.5	57528.6	-11.6	9.6	3.6	-6.7	-5.1	28.7
-200	-275	57556.8	-5.6	8.4	3.7	-3.8	-4.7	29.1
-200	-262.5	57565.0	-0.9	10.8	3.7	-2.0	-4.3	29.3
-200	-250	57574.3	0.8	7.2	3.9	-1.6	-4.8	30.2
-200	-237.5	57591.4	-0.1	3.8	3.8	-3.4	-6.0	30.0
-200	-225	57621.9	2.5	3.2	3.7	-3.7	-6.6	29.8
-200	-212.5	57617.4	8.8	3.3	3.7	-1.3	-6.8	29.6
-200	-200	57624.3	13.4	5.2	3.7	1.2	-5.7	29.7
-200	-187.5	57665.7	18.1	3.0	4.2	5.6	-3.9	31.6
-200	-175	57672.1	11.0	-1.3	4.4	1.5	-5.4	32.2
-200	-162.5	57668.8	2.1	-4.5	4.4	-2.5	-7.4	31.3
-200	-150	57680.9	0.0	-7.3	4.3	-4.5	-8.6	30.6
-200	-137.5	57680.0	-1.0	-9.1	4.2	-4.1	-9.1	29.7
-200	-125	57688.6	-4.0	-11.3	4.2	-4.9	-9.8	28.8

-200	-112.5	57712.5	-4.8	-16.4	3.9	-4.8	-11.0	28.3
-200	-100	57713.1	3.8	-14.9	3.8	-2.6	-11.3	28.3
-200	-87.5	57726.0	5.4	-14.3	3.9	-4.6	-12.5	28.2
-200	-75	57715.2	9.5	-16.5	3.8	-4.9	-14.2	28.2
-200	-62.5	57731.5	15.9	-14.1	3.8	-4.9	-15.1	27.9
-200	-50	57735.4	17.3	-13.6	4.0	-5.0	-14.5	27.7
-200	-37.5	57757.8	16.9	-13.3	4.1	-5.3	-13.8	28.1
-200	-25	57748.5	17.7	-14.4	4.1	-6.7	-13.4	27.8
-200	-12.5	57734.4	21.5	-12.1	4.1	-5.8	-13.2	27.7
-200	0	57744.9	21.8	-10.3	4.3	-6.4	-11.8	28.0
line -300								
-300	-1175	58436.3	27.2	9.6	3.2	12.5	9.1	19.5
-300	-1162.5	58048.1	22.5	5.2	3.4	11.0	6.5	20.0
-300	-1150	57998.5	14.4	1.7	3.8	17.3	4.5	28.8
-300	-1137.5	57947.5	11.8	-0.6	3.8	12.4	2.9	28.8
-300	-1125	57904.9	7.9	-1.6	3.1	11.0	2.1	29.4
-300	-1112.5	57867.1	6.2	-1.6	3.8	12.8	3.2	27.9
-300	-1100	57836.7	5.6	-4.2	3.6	10.3	1.6	27.8
-300	-1087.5	57830.1	6.0	-5.4	3.5	7.7	1.6	28.2
-300	-1075	57818.9	4.6	-5.5	3.5	8.2	0.5	27.8
-300	-1062.5	57815.8	2.4	-6.1	3.5	6.3	0.0	28.8
-300	-1050	57823.1	4.0	-7.4	3.4	4.4	-1.5	28.4
-300	-1037.5	57789.0	4.6	-7.9	3.1	5.8	-1.9	27.2
-300	-1025	57783.1	3.9	-7.3	2.9	8.3	-2.3	26.7
-300	-1012.5	57777.7	3.5	-7.7	3.1	6.0	-3.2	27.0
-300	-1000	57814.7	3.5	-6.6	3.0	5.6	-3.2	27.7
-300	-987.5	57786.4	5.6	-7.4	2.7	5.9	0.6	17.8
-300	-975	57595.7	7.4	-4.3	2.8	9.8	-2.2	27.8
-300	-962.5	57667.5	8.3	-1.9	3.0	12.7	0.3	27.2
-300	-950	57819.1	7.5	-0.8	3.0	12.9	0.7	27.7
-300	-937.5	57989.7	4.4	-2.2	3.0	11.8	1.7	27.8
-300	-925	58189.0	3.4	-1.5	3.2	9.0	0.9	28.1
-300	-912.5	57758.3	1.0	-5.5	3.3	0.5	-3.2	29.1
-300	-900	57719.2	-1.1	-5.2	3.1	-2.5	-4.1	27.5
-300	-887.5	57812.9	-1.7	-4.8	2.9	-3.2	-3.6	25.6
-300	-875	57955.5	-2.2	-3.2	2.8	-1.4	-4.7	25.3
-300	-862.5	58163.6	1.0	-3.6	2.7	-2.1	-2.6	25.4
-300	-850	58130.1	0.9	-2.5	2.8	0.4	-1.5	25.0
-300	-837.5	58072.8	3.1	-1.1	2.7	1.7	-1.0	24.4
-300	-825	58029.7	3.0	1.3	2.7	3.8	-0.2	25.8
-300	-812.5	58035.5	4.1	-1.1	2.7	4.6	0.3	24.9
-300	-800	58003.7	5.1	-0.7	2.8	4.5	-0.5	25.4
-300	-787.5	58120.3	5.7	-0.6	2.6	6.3	-0.8	25.3
-300	-775	58386.6	5.6	-0.3	2.7	7.3	-0.3	25.5
-300	-762.5	58375.5	7.6	-0.2	2.6	8.2	-0.1	25.7
-300	-750	58377.9	11.7	-3.1	4.3	5.1	0.2	29.3
-300	-737.5	58353.8	14.6	-3.7	4.3	6.1	-0.1	29.7
-300	-725	58402.7	16.1	-3.7	4.3	6.7	-0.7	30.1
-300	-712.5	58688.1	17.3	-5.2	4.3	6.7	-2.0	30.2
-300	-700	58938.8	16.8	-6.3	4.3	5.0	-3.1	30.5
-300	-687.5	58788.4	20.8	-5.8	4.3	5.4	-2.9	30.1
-300	-675	58701.1	21.2	-6.1	4.4	6.2	-3.2	30.6
-300	-662.5	59106.7	23.8	-4.5	4.4	6.4	-3.4	31.0
-300	-650	58674.7	24.2	-4.0	4.5	7.7	-2.8	31.5
-300	-637.5	57734.3	19.7	-4.7	4.8	8.7	-3.0	31.9
-300	-625	57851.0	12.1	-7.1	4.8	8.7	-3.2	32.3
-300	-612.5	57785.9	10.0	-7.1	4.8	8.9	-3.3	32.4
-300	-600	57555.8	8.6	-6.4	4.7	10.0	-3.2	32.4
-300	-587.5	57281.3	5.7	-9.3	4.6	9.2	-4.0	32.5
-300	-575	57185.0	7.7	-8.9	4.4	11.3	-4.0	32.6

-300	-562.5	57276.3	10.9	-7.8	4.3	11.0	-3.7	33.1
-300	-550	57633.1	11.2	-6.5	4.5	9.8	-4.6	33.7
-300	-537.5	57995.2	12.0	-8.4	4.4	8.5	-5.3	33.5
-300	-525	57803.9	9.8	-9.8	4.4	6.5	-5.4	33.7
-300	-512.5	57520.8	7.8	-11.7	4.4	4.3	-6.7	33.6
-300	-500	57162.1	9.3	-14.0	4.2	1.7	-8.3	32.6
-300	-487.5	57203.3	13.9	-13.6	4.1	3.2	-7.8	31.5
-300	-475	57266.2	17.7	-12.0	4.2	6.1	-6.6	31.7
-300	-462.5	57314.4	23.7	-8.6	4.4	8.5	-6.5	31.8
-300	-450	57404.4	27.4	-4.6	4.9	12.4	-3.3	32.7
-300	-437.5	57505.6	17.8	-3.2	5.8	8.8	-3.4	33.7
-300	-425	57521.7	-2.1	-0.9	5.8	-1.4	-1.1	34.1
-300	-412.5	57399.6	-16.2	2.2	5.4	-8.4	1.7	32.7
-300	-400	57263.6	-16.5	10.0	4.6	-6.0	5.1	31.4
-300	-387.5	57560.6	-9.1	13.8	4.7	-3.8	4.5	31.8
-300	-375	58055.3	-11.6	13.1	4.7	-6.2	3.4	32.3
-300	-362.5	57435.6	-17.5	10.1	4.4	-10.3	0.7	32.5
-300	-350	57328.9	-17.2	9.6	4.2	-10.9	0.5	31.7
-300	-337.5	57356.4	-14.3	9.3	4.0	-9.9	0.1	31.3
-300	-325	57393.8	-12.9	8.3	3.8	-8.0	-0.3	30.3
-300	-312.5	57436.7	-11.0	8.7	3.7	-5.7	-0.7	29.7
-300	-300	57498.1	-8.6	7.3	3.6	-3.3	-0.7	30.0
-300	-287.5	57519.9	-2.6	6.2	3.4	-0.9	-0.7	30.3
-300	-275	57556.9	0.4	6.9	3.4	-1.5	-1.3	30.6
-300	-262.5	57580.0	3.2	5.8	3.4	-1.0	-1.9	30.5
-300	-250	57602.8	7.1	5.3	3.4	0.1	-1.9	30.8
-300	-237.5	57595.9	8.6	4.4	3.4	0.1	-2.7	30.9
-300	-225	57618.5	14.9	3.8	3.4	1.6	-2.5	31.3
-300	-212.5	57640.8	15.9	0.5	3.5	2.2	-3.0	31.6
-300	-200	57628.2	16.5	-2.2	3.5	3.9	-3.6	31.3
-300	-187.5	57656.2	16.9	-0.6	3.6	5.8	-3.0	31.5
-300	-175	57682.6	19.4	-3.9	3.7	4.8	-3.4	33.1
-300	-162.5	57660.1	17.8	-7.4	3.6	1.2	-5.4	33.2
-300	-150	57678.2	21.7	-7.5	3.7	1.6	-4.8	33.4
-300	-137.5	57677.2	20.1	-9.5	3.8	-0.9	-5.5	34.0
-300	-125	57712.4	19.2	-10.5	3.7	-0.9	-6.4	34.2
-300	-112.5	57703.2	20.9	-11.5	3.7	-0.7	-6.8	34.4
-300	-100	57765.5	20.8	-13.8	3.8	-2.0	-8.6	33.7
-300	-87.5	57752.8	21.6	-14.4	3.8	-2.3	-9.1	33.5
-300	-75	57742.6	20.1	-14.3	3.9	-0.1	-8.7	32.3
-300	-62.5	57757.8	19.3	-13.3	3.9	2.3	-7.9	32.4
-300	-50	57751.9	20.9	-11.8	3.9	2.8	-7.3	32.9
-300	-37.5	57765.2	20.8	-12.2	3.9	3.0	-6.5	33.4
-300	-25	57755.8	21.2	-8.8	4.1	2.7	-6.4	33.8
-300	-12.5	57754.6	19.0	-9.1	4.1	0.3	-5.7	34.1
-300	0	57783.1	16.7	-7.6	4.1	-0.8	-4.7	33.4
line -400								
-400	-1200	58114.5	11.9	-0.2	3.9	2.8	0.9	28.1
-400	-1187.5	58120.3	7.2	-2.5	4.0	1.7	-0.7	29.8
-400	-1175	58097.5	4.3	-5.4	3.7	-4.1	-3.0	28.2
-400	-1162.5	58171.5	1.9	-8.1	3.3	-2.7	-3.2	17.9
-400	-1150	58176.2	3.2	-11.9	4.4	-1.3	-2.6	21.6
-400	-1137.5	58348.2	4.2	-7.7	2.8	-1.3	-1.8	20.3
-400	-1125	58261.7	7.8	-10.1	4.2	-0.9	-1.6	20.6
-400	-1112.5	58089.6	3.2	-5.1	3.2	0.3	-0.9	27.6
-400	-1100	57914.1	2.4	-5.7	3.3	-1.8	-1.4	27.7
-400	-1087.5	57921.6	1.4	-7.5	3.1	-1.3	-2.6	18.9
-400	-1075	57966.9	1.9	-7.6	3.1	-4.7	-4.2	27.3
-400	-1062.5	58044.6	0.2	-8.8	2.9	-5.2	-4.4	27.6
-400	-1050	58153.6	0.9	-8.8	2.8	-5.4	-3.9	27.7

-400	-1037.5	58357.6	1.6	-8.2	3.0	-4.8	-2.6	27.9
-400	-1025	59167.4	0.0	-8.2	2.8	-4.2	-1.8	26.4
-400	-1012.5	59503.6	0.6	-7.4	2.8	-2.0	-0.6	26.7
-400	-1000	59630.9	1.4	-5.4	2.9	-0.3	1.2	27.1
-400	-987.5	59335.5	5.6	-3.2	2.6	-0.2	1.8	27.8
-400	-975	59215.3	7.6	-2.2	2.7	0.3	3.0	26.4
-400	-962.5	59191.5	7.3	1.4	2.9	3.3	4.6	28.5
-400	-950	58550.3	7.2	1.0	3.1	2.8	3.5	28.5
-400	-937.5	57961.2	4.7	-0.3	3.3	0.6	3.9	27.8
-400	-925	58263.4	-0.1	-2.9	3.5	-8.1	0.2	31.0
-400	-912.5	58689.4	-4.2	-5.7	3.0	-19.3	-6.0	29.7
-400	-900	58527.8	-3.3	-5.8	2.8	-19.1	-5.3	28.7
-400	-887.5	58502.3	-4.0	-4.5	2.8	-17.8	-4.7	27.3
-400	-875	58258.7	-3.7	-5.1	2.6	-17.3	-4.8	26.6
-400	-862.5	58414.6	-3.4	-7.5	2.7	-14.0	-5.2	28.3
-400	-850	58535.7	-4.5	-6.4	2.5	-13.6	-5.4	27.1
-400	-837.5	58676.1	-1.0	-5.3	2.4	-10.4	-5.0	27.1
-400	-825	58709.4	-0.7	-3.0	2.4	-9.4	-5.9	26.3
-400	-812.5	58827.2	0.1	-2.5	2.5	-0.6	-2.5	28.5
-400	-800	58962.9	-0.5	-2.7	2.4	4.2	-1.5	27.1
-400	-787.5	59339.5	1.7	-3.4	2.4	5.9	-1.2	26.4
-400	-775	59591.2	4.4	-2.3	2.3	7.6	-2.1	26.2
-400	-762.5	59413.5	3.5	-0.8	2.4	9.2	-2.3	26.7
-400	-750	59446.2	5.1	-1.4	2.5	10.4	-3.3	27.3
-400	-737.5	59717.8	5.3	-2.4	2.5	14.4	-1.8	27.8
-400	-725	60024.7	5.1	-1.7	2.5	18.0	-1.3	27.4
-400	-712.5	60061.3	8.9	-0.2	2.4	19.1	-1.4	26.2
-400	-700	59132.1	8.6	0.0	2.5	16.7	-2.7	29.6
-400	-687.5	58656.2	7.9	-1.1	2.6	15.4	-4.5	30.0
-400	-675	58389.7	9.2	-1.6	2.7	14.6	-4.6	29.5
-400	-662.5	57487.7	5.5	-5.6	2.8	8.7	-9.1	29.1
-400	-650	57033.5	3.7	-11.5	2.5	5.8	-7.2	19.6
-400	-637.5	56929.0	3.0	-8.8	2.5	10.3	-11.3	26.4
-400	-625	57074.4	7.5	-6.3	2.5	12.9	-9.1	28.1
-400	-612.5	57120.9	9.6	-6.7	2.5	10.3	-9.1	29.3
-400	-600	57158.8	10.4	-6.4	2.6	10.1	-9.9	29.0
line -500								
-500	-1300	58782.6	27.8	13.4	2.8	13.2	-0.4	28.0
-500	-1287.5	58624.0	34.9	12.7	2.7	18.3	-0.1	26.3
-500	-1275	58149.4	52.2	15.5	4.5	21.5	-0.6	25.7
-500	-1262.5	57860.4	47.8	10.6	4.5	12.4	6.2	17.2
-500	-1250	57772.4	35.2	4.5	4.4	11.0	4.7	21.2
-500	-1237.5	57842.4	21.3	2.9	3.1	19.6	2.7	29.3
-500	-1225	57836.2	21.6	2.3	2.9	13.1	5.5	18.6
-500	-1212.5	58028.1	16.5	-1.7	2.9	21.5	2.3	30.0
-500	-1200	57981.8	10.8	-1.4	3.2	18.1	1.6	29.7
-500	-1187.5	58045.7	9.9	-0.8	3.1	18.1	1.0	29.2
-500	-1175	57758.4	10.9	-2.3	3.0	18.8	0.8	30.1
-500	-1162.5	57729.1	9.6	-3.9	2.8	15.7	-2.2	29.8
-500	-1150	57730.1	8.4	-4.0	3.0	11.2	-4.4	31.1
-500	-1137.5	57715.4	5.9	-6.0	2.9	10.1	-6.1	29.3
-500	-1125	57688.4	8.3	-8.2	2.8	9.7	-6.8	29.4
-500	-1112.5	57683.6	10.0	-5.9	2.6	14.0	-5.6	28.5
-500	-1100	57703.4	12.2	-4.2	2.6	14.7	-3.6	29.2
-500	-1087.5	57708.4	12.0	-2.6	2.8	15.7	-2.5	30.1
-500	-1075	57717.6	12.9	-2.3	2.8	16.0	-2.5	31.5
-500	-1062.5	57702.5	12.5	-4.0	2.9	10.6	-4.2	32.4
-500	-1050	57746.3	12.0	-0.1	3.0	11.9	-3.3	31.5
-500	-1037.5	57818.1	7.1	-3.6	3.1	-1.7	-4.5	22.1
-500	-1025	58083.4	1.7	-6.2	3.0	-10.0	-11.9	32.5

-500	-1012.5	58496.4	2.6	-3.2	2.8	-9.3	-8.7	31.4
-500	-1000	58653.6	3.6	-1.2	2.9	-6.1	-5.5	30.1
-500	-987.5	58617.2	3.6	0.4	2.9	-2.9	-2.8	28.9
-500	-975	58186.2	0.7	0.0	2.9	1.9	0.6	29.7
-500	-962.5	58585.2	-4.1	-1.2	2.9	2.2	1.1	29.6
-500	-950	58689.3	-5.2	-1.3	3.1	1.1	2.8	31.2
-500	-937.5	58596.1	-10.2	-3.2	3.1	-5.2	-0.9	29.3
-500	-925	58948.7	-11.0	-4.4	2.9	-7.1	-1.3	28.4
-500	-912.5	58659.8	-9.0	-3.8	2.6	-5.3	-1.0	27.8
-500	-900	59028.4	-8.2	-3.1	2.7	-6.2	-0.1	28.2
-500	-887.5	58850.6	-7.8	-2.2	2.6	-6.4	-1.0	25.8
-500	-875	59760.3	-6.9	-3.3	2.5	-6.9	-1.7	25.5
-500	-862.5	59433.8	-5.3	-4.2	2.2	-3.2	-1.9	17.6
-500	-850	59600.2	-2.2	-2.3	2.3	-3.0	-1.8	25.3
-500	-837.5	59181.6	-1.2	-0.1	2.3	-2.7	-1.8	25.2
-500	-825	59366.5	0.5	0.2	2.2	-0.8	-2.4	25.8
-500	-812.5	59664.5	3.1	0.0	2.2	1.0	-2.3	26.3
-500	-800	59457.2	6.9	-0.3	2.2	2.2	-3.5	24.3
-500	-787.5	59486.9	8.4	0.3	2.1	4.5	-4.0	25.5
-500	-775	58915.3	12.5	1.0	2.1	3.5	-2.4	17.1
-500	-762.5	58797.7	12.3	2.2	2.3	5.6	-5.8	24.6
-500	-750	59274.9	14.2	2.2	2.3	7.6	-5.7	24.5
-500	-737.5	58685.4	14.4	2.6	2.4	9.3	-5.7	25.0
-500	-725	57585.6	9.4	-2.4	2.6	10.6	-5.3	27.1
-500	-712.5	57453.1	7.1	-4.9	2.6	13.8	-4.9	27.3
-500	-700	57220.5	8.5	-7.3	2.4	17.3	-5.5	26.1
-500	-687.5	57246.8	11.3	-6.4	2.3	18.3	-5.4	26.4
-500	-675	57257.6	14.3	-5.7	2.3	19.4	-4.7	27.7
-500	-662.5	57259.7	15.4	-6.2	2.3	20.9	-5.3	27.2
-500	-650	57292.8	19.9	-2.5	2.3	22.7	-6.3	26.9
-500	-637.5	57303.5	24.7	-0.7	2.3	25.8	-6.4	27.6
-500	-625	57336.8	25.0	2.7	2.4	29.4	-6.4	27.6
-500	-612.5	57373.6	24.9	1.6	2.8	30.3	-6.1	29.0
-500	-600	57467.4	19.7	1.9	4.5	17.7	-4.6	40.7
line -600								
-600	-1150	57948.7	19.9	8.7	2.8	14.5	0.3	26.7
-600	-1137.5	57954.9	21.9	5.7	2.8	15.2	-0.3	25.5
-600	-1125	57959.5	20.3	3.1	2.7	14.0	-1.6	26.5
-600	-1112.5	57900.6	19.0	1.2	2.8	13.9	-1.2	26.2
-600	-1100	57873.2	14.1	0.6	2.8	14.9	-0.9	26.1
-600	-1087.5	57824.4	13.5	-0.7	2.8	17.3	0.2	25.5
-600	-1075	57805.1	13.1	-0.1	2.7	19.3	0.7	25.1
-600	-1062.5	57792.7	11.2	-1.3	2.6	23.5	0.7	25.3
-600	-1050	57780.0	9.8	-1.7	2.7	19.4	1.2	26.9
-600	-1037.5	57741.0	8.0	-0.1	2.8	21.9	1.9	26.2
-600	-1025	57712.0	7.1	-1.5	2.8	21.5	1.8	26.7
-600	-1012.5	57695.3	6.3	-1.2	2.9	18.6	1.2	28.4
-600	-1000	57679.7	6.1	-2.3	2.8	15.9	-0.6	28.7
-600	-987.5	57669.0	6.8	-3.7	2.7	14.4	-2.1	27.3
-600	-975	57653.8	7.1	-2.5	2.7	15.3	-2.5	27.7
-600	-962.5	57643.0	5.7	-3.9	2.6	15.3	-3.8	29.3
-600	-950	57637.3	8.0	-5.6	2.5	15.5	-3.3	29.3
-600	-937.5	57642.0	9.8	-4.0	2.6	17.0	-3.5	30.0
-600	-925	57641.3	11.5	-3.0	2.5	16.6	-4.6	31.4
-600	-912.5	57647.1	10.7	-2.6	2.5	19.0	-6.2	30.4
-600	-900	57651.9	8.2	-0.1	2.7	18.8	-5.7	33.5
-600	-887.5	57676.4	9.6	-0.6	2.9	19.7	-7.5	32.6
-600	-875	57685.9	7.5	-1.6	2.9	23.8	-6.1	32.8
-600	-862.5	57648.3	3.1	-2.2	3.0	27.1	-4.6	35.0
-600	-850	57595.2	-0.6	-3.2	2.9	24.0	-5.2	33.3

-600	-837.5	57622.3	0.4	-1.5	2.9	22.6	-2.8	34.6
-600	-825	57641.3	0.1	0.0	2.9	19.0	-2.9	36.0
-600	-812.5	57676.2	-2.7	-1.6	3.0	8.0	-5.9	33.9
-600	-800	57700.9	-3.5	-4.4	2.9	1.1	-7.0	35.3
-600	-787.5	57725.4	-4.8	-4.9	2.5	-0.1	-4.3	22.8
-600	-775	57765.1	-5.0	-5.0	2.7	-3.6	-9.4	31.3
-600	-762.5	57802.2	-2.4	-4.8	2.6	-3.7	-8.8	30.8
-600	-750	57900.8	-1.2	-2.3	2.4	2.7	-3.6	29.2
-600	-737.5	58052.9	-0.3	0.0	2.5	6.1	0.6	30.1
-600	-725	58398.9	-1.4	-2.4	2.7	1.5	-2.0	30.6
-600	-712.5	58474.3	-4.9	-3.3	2.6	-3.3	-1.9	29.5
-600	-700	58576.8	-6.9	-6.1	1.7	-8.8	-2.1	29.0
-600	-687.5	58363.2	-4.1	-5.7	1.8	-6.3	-1.1	29.7
-600	-675	57599.6	-4.9	-6.5	1.9	-8.0	-2.4	29.3
-600	-662.5	57509.1	-6.0	-6.2	2.0	-7.0	-2.3	29.7
-600	-650	57582.3	-4.6	-5.5	2.7	-3.7	-1.9	27.2
-600	-637.5	57530.0	-4.3	-5.6	2.7	-4.2	-2.8	29.0
-600	-625	57458.3	-4.0	-7.4	2.7	-5.2	-4.0	26.8
-600	-612.5	57476.3	-3.2	-9.2	2.6	-4.2	-4.7	27.0
-600	-600	57768.8	-2.2	-10.2	2.6	-2.1	-4.1	27.0

INTERPRETEX RESOURCES LTD. Data Listing
Area: ATLIN M.D. Current File Name: K2MINDAT.WR1
Grid: K2MINI From File Name: K2MINI.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 east
#3. VLF-EM Quadrature	Cutler Transmitter - facing east
#4. VLF-EM Field Strength	Cutler total field strength
#5. VLF-EM In-Phase Values	Seattle Transmitter - facing east
#6. VLF-EM Quadrature	Seattle Transmitter - facing east
#7. VLF-EM Field Strength	Seattle total field strength

LINE #	E/W STATION	N/S	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.
line -300									
	-150	-300	57840.5	17.3	-0.7	5.3	1.8	11.8	23.0
	-137.5	-300	57836.0	15.9	-2.0	5.2	1.4	10.5	23.1
	-125	-300	57835.9	15.8	-2.1	5.3	0.8	9.4	23.3
	-112.5	-300	57827.7	15.7	-3.8	5.1	1.4	7.4	23.7
	-100	-300	57826.5	16.0	-5.3	5.1	1.0	4.9	24.1
	-87.5	-300	57823.2	16.9	-6.1	5.0	1.1	2.8	24.4
	-75	-300	57825.6	14.4	-6.9	5.0	0.5	2.4	24.3
	-62.5	-300	57821.9	15.2	-6.1	5.0	0.6	2.0	24.6
	-50	-300	57820.0	16.0	-6.2	5.0	-0.2	1.4	24.8
	-37.5	-300	57813.4	16.9	-5.6	5.0	-3.1	-2.8	25.1
	-25	-300	57815.0	19.0	-5.3	5.0	-3.7	-4.5	24.9
	-12.5	-300	57816.9	18.3	-6.6	5.1	-5.0	-6.3	24.6
	0	-300	57816.7	19.3	-4.8	5.0	-4.8	-6.4	24.7
	12.5	-300	57813.6	21.1	-5.7	4.9	-5.0	-9.4	24.6
	25	-300	57813.4	20.4	-5.7	4.9	-4.5	-8.9	24.1
	37.5	-300	57815.4	20.7	-3.5	4.8	-2.0	-7.5	23.9
	50	-300	57818.3	20.2	-4.3	4.8	1.5	-5.4	24.4
	62.5	-300	57814.1	21.1	-4.8	4.9	2.9	-5.6	25.0
	75	-300	57820.3	17.4	-6.9	5.0	2.1	-7.1	27.0
	87.5	-300	57816.6	12.8	-13.2	4.9	-3.4	-11.8	27.6
	100	-300	57824.6	7.5	-18.1	4.9	-10.9	-19.3	27.0
	112.5	-300	57812.3	5.2	-19.9	4.7	-6.0	-20.3	24.9
	125	-300	57828.5	6.2	-17.5	4.8	-0.7	-16.4	25.5
	137.5	-300	57827.1	12.8	-12.3	4.7	-1.3	-16.2	26.4
	150	-300	57804.4	16.9	-12.3	4.6	-2.8	-18.8	26.7
	162.5	-300	57812.7	19.0	-11.8	4.7	-3.8	-19.3	27.2
	175	-300	57794.7	18.6	-11.3	4.7	-4.9	-20.1	27.0
	187.5	-300	57837.9	20.8	-11.0	4.6	-6.4	-20.3	26.8
	200	-300	57800.3	20.8	-11.6	4.5	-4.1	-21.0	26.8
	212.5	-300	57808.2	24.0	-10.8	4.5	-2.6	-20.4	26.4
	225	-300	57815.6	24.4	-7.8	4.4	0.8	-18.0	26.8
	237.5	-300	57825.4	26.0	-8.9	4.4	1.8	-17.9	27.4
	250	-300	57819.6	25.2	-11.7	4.4	2.8	-19.5	27.8
	262.5	-300	57822.6	24.5	-11.5	4.5	2.8	-19.8	28.4
	275	-300	57821.7	25.1	-12.9	4.5	1.9	-22.1	28.1
	287.5	-300	57823.0	25.9	-13.5	4.5	5.6	-21.9	27.8
	300	-300	57832.9	27.7	-12.0	4.5	9.7	-20.3	27.8

line -250								
-100	-250	57868.4	20.5	-4.8	5.0	4.5	8.8	24.2
-87.5	-250	57870.4	17.7	-5.3	4.7	3.4	8.6	25.0
-75	-250	57868.3	20.9	-5.2	4.8	4.0	5.8	25.1
-62.5	-250	57858.0	23.0	-4.1	4.7	4.8	3.9	25.4
-50	-250	57852.0	22.5	-3.4	4.7	3.0	2.2	25.4
-37.5	-250	57851.7	25.4	-3.4	4.7	2.9	1.1	25.5
-25	-250	57843.7	24.4	-4.9	4.6	2.3	-0.5	25.6
-12.5	-250	57837.5	23.8	-7.0	4.6	1.9	-2.1	25.8
0	-250	57835.2	23.5	-8.9	4.6	2.7	-3.4	25.7
12.5	-250	57835.7	24.0	-8.8	4.6	1.9	-4.9	25.7
25	-250	57835.4	25.0	-9.3	4.7	3.1	-5.2	25.6
37.5	-250	57838.9	23.5	-10.7	4.7	3.1	-5.1	25.8
50	-250	57838.7	24.1	-11.0	4.6	3.1	-6.4	25.8
62.5	-250	57829.3	25.7	-10.9	4.7	4.2	-7.9	25.7
75	-250	57832.1	24.3	-13.8	4.7	6.5	-7.5	26.1
87.5	-250	57837.0	21.3	-15.6	4.7	4.3	-11.4	26.6
100	-250	57835.5	19.9	-19.2	4.7	4.0	-13.6	26.5
112.5	-250	57826.2	18.2	-18.5	4.8	3.7	-15.4	27.0
125	-250	57835.9	23.3	-17.6	4.6	2.7	-17.4	26.7
137.5	-250	57834.1	25.0	-18.0	4.7	6.1	-18.1	26.1
150	-250	57834.2	23.0	-19.4	4.6	6.3	-18.6	26.7
162.5	-250	57832.9	26.3	-16.5	4.8	9.3	-17.7	26.6
175	-250	57834.4	27.8	-14.7	4.9	11.3	-16.3	27.2
187.5	-250	57835.5	26.1	-19.8	4.9	9.9	-19.8	28.0
200	-250	57842.9	31.6	-17.1	4.7	13.2	-18.4	27.6
212.5	-250	57852.5	33.8	-14.1	4.9	14.1	-17.6	28.7
225	-250	57861.5	33.5	-13.3	5.0	10.5	-19.4	29.1
237.5	-250	57869.5	35.6	-14.4	5.0	10.1	-19.2	29.6
250	-250	57892.5	36.7	-16.1	5.1	8.2	-20.8	30.2
262.5	-250	57886.3	37.9	-13.3	5.3	9.6	-20.7	29.8
275	-250	57923.7	38.3	-11.8	5.5	12.0	-18.8	30.8
287.5	-250	57912.0	36.2	-11.0	5.7	11.2	-19.5	31.3
300	-250	57942.0	35.8	-8.7	5.8	11.0	-19.0	31.4
line -200								
-75	-200	57881.9	21.5	-7.2	5.2	3.8	10.4	24.0
-62.5	-200	57880.5	21.7	-8.4	5.2	3.2	9.7	24.3
-50	-200	57884.5	23.5	-10.2	5.1	3.4	6.8	25.0
-37.5	-200	57876.8	23.3	-9.9	5.1	1.0	3.3	25.4
-25	-200	57864.3	23.4	-11.7	5.2	-2.7	0.2	25.2
-12.5	-200	57864.7	24.6	-9.0	5.2	-2.2	-1.0	25.2
0	-200	57858.0	25.8	-10.2	5.1	-1.3	-2.8	25.6
12.5	-200	57858.7	27.0	-9.6	5.1	-3.2	-5.4	25.3
25	-200	57856.6	26.2	-12.6	5.0	-2.2	-6.2	25.1
37.5	-200	57856.1	26.2	-14.1	5.0	-0.6	-6.6	25.2
50	-200	57854.8	25.1	-16.2	5.0	0.1	-7.2	25.3
62.5	-200	57857.5	23.7	-17.8	5.0	0.4	-8.6	25.2
75	-200	57856.0	24.5	-18.5	5.1	0.1	-11.3	25.6
87.5	-200	57860.9	24.6	-19.5	5.1	1.7	-12.1	25.6
100	-200	57853.0	25.8	-21.8	5.0	3.3	-15.2	25.8
112.5	-200	57861.6	25.4	-21.3	5.0	5.1	-15.3	25.7
125	-200	57858.3	24.1	-22.4	5.1	7.1	-15.7	25.6
137.5	-200	57864.0	25.8	-25.2	5.0	11.2	-15.4	26.9
150	-200	57871.7	29.9	-21.1	5.1	9.1	-16.8	28.1
162.5	-200	57874.6	29.0	-22.2	5.2	9.6	-19.7	28.2
175	-200	57878.8	28.7	-23.2	5.3	10.8	-20.1	28.5
187.5	-200	57898.6	29.7	-23.8	5.4	13.8	-19.6	29.4
200	-200	57943.2	31.1	-20.7	5.6	15.3	-18.4	30.3
212.5	-200	57977.7	28.9	-19.0	5.8	15.7	-16.6	31.7
225	-200	58010.7	25.2	-15.8	6.1	13.2	-15.8	34.1

237.5	-200	57934.6	13.4	-19.2	6.4	1.8	-19.8	34.0
250	-200	57925.4	10.2	-14.8	6.2	0.0	-14.6	31.9
262.5	-200	57997.9	12.0	-10.4	5.9	-0.9	-9.6	31.7
275	-200	57962.3	11.0	-8.8	5.6	-4.0	-8.7	31.2
287.5	-200	57940.3	11.7	-6.7	5.5	-6.3	-9.0	31.5
300	-200	57944.2	13.5	-2.2	5.3	-4.9	-4.4	32.5
line -150								
-25	-150	57901.2	35.0	-7.6	5.2	10.8	7.8	26.7
-12.5	-150	57897.8	32.9	-9.2	5.2	9.6	4.9	27.4
0	-150	57887.7	35.5	-8.8	5.2	5.6	-0.8	27.1
12.5	-150	57891.2	34.2	-10.8	5.1	4.3	-2.6	27.6
25	-150	57880.4	34.4	-14.0	5.1	2.4	-6.0	27.3
37.5	-150	57883.9	33.8	-16.0	5.0	2.1	-7.9	27.0
50	-150	57880.4	33.6	-17.5	5.0	3.0	-8.7	26.8
62.5	-150	57881.5	34.0	-17.6	4.9	4.2	-9.4	26.6
75	-150	57888.6	32.2	-19.2	5.0	6.0	-10.2	26.5
87.5	-150	57888.9	35.4	-19.5	5.1	8.0	-12.2	26.1
100	-150	57892.6	34.6	-23.7	5.1	10.7	-13.0	26.0
112.5	-150	57900.4	35.3	-22.6	5.2	13.4	-12.6	26.5
125	-150	57924.2	35.3	-25.3	5.2	15.8	-13.5	26.9
137.5	-150	57916.6	35.2	-25.1	5.2	22.6	-12.1	28.0
150	-150	57927.8	39.3	-24.6	5.2	26.3	-10.7	29.5
162.5	-150	57958.6	39.4	-24.3	5.4	23.9	-12.9	32.6
175	-150	57970.7	36.8	-20.4	5.7	14.8	-21.6	33.4
187.5	-150	57959.4	30.8	-21.8	5.9	13.6	-21.2	34.2
200	-150	57915.7	19.8	-19.7	6.0	8.9	-17.0	35.2
212.5	-150	58003.1	13.9	-15.2	5.6	0.9	-14.1	33.2
225	-150	57993.3	10.5	-14.2	5.5	-1.4	-15.5	31.9
237.5	-150	57898.1	12.9	-11.1	5.0	1.1	-9.3	29.6
250	-150	57905.1	11.4	-9.3	5.1	2.2	-8.1	29.9
262.5	-150	57925.0	14.5	-5.1	5.0	5.6	-3.9	30.0
275	-150	57908.2	18.0	-3.2	5.0	7.7	-2.2	31.2
287.5	-150	58061.8	18.6	0.9	5.4	8.4	0.7	33.7
300	-150	57984.5	14.9	-0.6	5.4	-1.1	-1.7	34.9
line -100								
-75	-100	57841.3	-3.9	2.2	6.7	40.9	8.3	25.0
-62.5	-100	57884.4	0.3	2.9	6.9	38.3	7.2	27.3
-50	-100	57916.0	5.6	2.5	7.0	33.0	6.3	28.6
-37.5	-100	57912.3	-14.9	-0.2	6.9	25.4	5.8	30.1
-25	-100	58241.2	-18.6	5.4	6.9	18.4	4.7	33.4
-12.5	-100	58282.7	-23.3	10.6	6.8	5.4	0.9	33.1
0	-100	58109.9	-27.3	14.5	6.5	-2.6	-4.6	31.7
12.5	-100	57958.9	-29.0	18.2	6.3	-5.6	-9.1	31.0
25	-100	57837.3	31.6	-24.9	6.5	-12.8	-17.5	29.1
37.5	-100	57865.6	31.7	-28.1	6.6	-12.1	-18.5	27.8
50	-100	57883.8	33.7	-28.8	6.6	-10.5	-19.4	27.0
62.5	-100	57907.3	37.6	-25.5	6.6	-6.1	-19.8	26.2
75	-100	57933.7	41.1	-22.3	6.7	-2.3	-20.7	26.1
87.5	-100	58011.5	42.5	-19.9	6.8	3.0	-18.3	26.1
100	-100	58008.1	40.2	-18.5	6.8	6.0	-17.3	27.1
112.5	-100	57901.1	37.6	-18.3	6.8	8.4	-16.8	28.0
125	-100	57925.4	35.5	-16.1	6.9	8.8	-15.2	29.6
137.5	-100	57928.4	32.0	-13.1	6.8	7.6	-13.0	30.4
150	-100	57953.6	26.3	-10.3	6.7	5.9	-11.0	31.4
162.5	-100	58018.8	20.4	-10.6	6.7	1.5	-13.2	32.4
175	-100	57981.0	17.0	-6.3	6.4	-1.7	-10.6	32.4
187.5	-100	57991.5	15.2	-5.2	6.2	-5.7	-8.2	33.0
200	-100	58137.3	21.4	0.9	6.0	-10.5	-10.1	31.3
212.5	-100	58048.2	22.1	4.1	6.1	-9.1	-10.6	30.3
225	-100	57969.3	23.6	7.6	5.8	-5.3	-4.6	29.9

237.5	-100	57924.3	23.0	12.4	5.8	-0.4	3.5	30.5
250	-100	57948.5	17.6	12.3	5.6	-3.4	5.4	32.5
262.5	-100	57972.9	12.8	11.8	5.4	-8.9	7.5	33.3
275	-100	57928.9	9.8	11.1	5.2	-16.7	6.0	31.9
287.5	-100	57871.6	9.5	11.4	5.0	-15.8	8.3	30.3
300	-100	57863.8	12.4	10.8	4.9	-13.9	10.8	29.6
line -50								
0	-50	57941.3	12.2	-0.4	5.3	24.6	-15.0	39.1
12.5	-50	57943.1	20.1	-6.2	5.7	8.6	-23.6	39.9
25	-50	57989.2	20.4	-4.2	6.1	5.3	-23.2	38.6
37.5	-50	58053.0	17.1	-4.2	6.5	0.4	-17.2	35.9
50	-50	58019.9	15.9	-4.2	6.6	-5.6	-14.5	33.2
62.5	-50	57948.3	13.1	-2.2	6.5	-8.5	-14.2	30.1
75	-50	57819.5	11.9	2.9	6.3	-6.1	-12.3	28.3
87.5	-50	57889.2	14.8	7.7	6.6	-0.9	-9.3	28.2
100	-50	57932.5	9.8	8.8	6.6	1.0	-7.7	28.6
112.5	-50	57865.0	9.7	13.7	6.0	2.3	-8.3	29.5
125	-50	57889.1	15.3	15.2	5.9	7.4	-5.6	30.0
137.5	-50	57946.4	15.3	14.6	6.1	7.2	-3.0	31.2
150	-50	57930.3	7.4	11.4	6.0	-2.9	-1.9	31.2
162.5	-50	57899.1	3.4	10.5	5.9	-4.8	-0.6	30.0
175	-50	57929.1	4.4	9.2	5.5	-4.2	0.3	28.9
187.5	-50	57878.7	9.6	13.5	5.2	-1.1	4.4	29.0
200	-50	57900.5	17.1	15.7	5.3	3.2	6.5	29.4
212.5	-50	57961.8	15.9	11.4	5.4	1.1	5.1	29.3
225	-50	58189.4	19.5	9.8	5.3	-2.3	3.2	32.0
237.5	-50	57902.4	26.1	13.0	5.1	-8.0	0.6	30.8
250	-50	57925.1	29.4	16.2	5.0	-7.0	2.1	30.0
262.5	-50	57918.4	31.3	18.5	5.1	-3.8	4.8	29.7
275	-50	57942.0	32.3	16.5	5.3	-0.5	6.3	29.8
287.5	-50	57917.8	34.5	19.6	5.4	1.6	6.3	30.1
300	-50	57928.0	34.0	17.0	5.5	2.7	6.8	30.0
line 0								
0	0	57996.0	33.2	10.2	5.1	52.9	-1.2	38.9
12.5	0	58022.0	25.8	6.6	5.4	36.6	-3.6	43.6
25	0	58000.6	13.5	6.1	5.6	12.7	-3.8	44.4
37.5	0	57918.2	4.5	8.6	5.5	-3.3	-0.3	36.2
50	0	57928.7	5.4	9.8	5.2	-1.4	0.0	32.5
62.5	0	57881.3	7.6	11.0	5.0	-3.1	-1.0	31.0
75	0	57898.6	12.1	12.6	4.8	2.9	-1.7	30.2
87.5	0	57954.1	14.8	15.8	4.9	3.6	-3.0	30.7
100	0	58044.7	16.7	12.1	5.0	-4.7	-5.8	32.8
112.5	0	58041.5	12.7	11.2	4.6	-6.9	-5.4	31.1
125	0	57860.8	13.3	12.1	4.5	-3.9	-2.5	30.2
137.5	0	57867.5	15.9	10.6	4.5	-10.6	-4.6	30.8
150	0	57887.5	17.6	11.4	4.5	-9.3	-4.1	28.9
162.5	0	57919.7	23.7	14.6	4.7	-1.6	-0.2	28.5
175	0	57935.0	22.1	15.7	4.8	0.4	0.7	29.2
187.5	0	57909.8	23.2	9.4	4.6	-4.2	-3.9	28.2
200	0	57915.4	26.0	14.2	4.5	0.6	0.6	28.1
212.5	0	57921.0	28.4	16.4	4.6	3.1	1.5	28.9
225	0	57930.2	28.9	17.1	4.8	2.9	3.0	28.9
237.5	0	57951.0	29.6	16.0	5.0	4.6	4.6	29.3
250	0	57958.5	28.7	15.6	5.1	4.7	5.9	29.8
262.5	0	57957.4	29.1	16.0	5.3	6.1	7.4	30.0
275	0	58002.7	26.2	17.7	5.5	5.2	8.0	30.2
287.5	0	57967.3	27.1	13.8	5.6	5.5	7.8	30.8
300	0	57987.3	24.3	13.9	5.7	4.6	9.0	31.0

SUMMARY REPORT ON

GEOPHYSICAL SURVEYS

BING PROJECT

ATLIN MINING DIVISION, B.C.

FOR

WATERFORD RESOURCES INC.

BY

INTERPRETEX RESOURCES LTD.

Vancouver, B.C.
December, 1990

L.M. Bzdel

1.0 INTRODUCTION

A geophysical program consisting of electromagnetic (VLF-EM) and magnetic surveys was carried out on a single grid located on the Bing 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 October 5 - 8, 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 15.3 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: NSS (21.4 kHz) - Annapolis, MD.
    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

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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
- Seattle 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
- Annapolis 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 Seattle had the best orientation for the east-west line direction of the present grid. The VLF-EM data appear to be somewhat noisy. This is particularly evident in the field strength data. 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.

The primary VLF-EM conductor trends of interest exhibit three strike directions; north-northeast, north-south and north-northwest. Strike lengths range from 100 - 1100 meters. In-phase and quadrature responses vary from weak to moderate. There are strong field strength anomalies associated with some VLF-EM trends, but these must be viewed with caution due to the uncertainty of the field strength data.

Magnetic lineaments within the survey area have been delineated on the basis of offsets, terminations and disruptions in the magnetic contours.

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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. The stronger and more conductive anomalies may indicate the presence of sulphide mineralization within structures.

Conductor C1 extends for almost 1100 meters in a north-northeast direction and is characterized by weak to moderate in-phase and quadrature responses. This conductor is believed to represent a fault/contact zone based on the change in magnetic character on either side of the conductor. Also, a series of magnetic lows seems to correlate with this conductive trend.

VLF-EM conductor C2 consists of a system of three parallel, north-northwest striking, weak to moderate strength trends. These conductors are believed to represent structural features and are terminated by conductor C1.

Other unlabeled conductors on the Bing grid probably reflect structural environments in the area but are believed to be less significant unless geological and/or geochemical information can be used to enhance their priority.

The magnetic profiles and contours display a very active magnetic environment throughout the grid. It has been found that some single station magnetic spikes correlate with spikes within the VLF-EM data. Thus some of the small, short wavelength magnetic features within the Bing grid could be spurious. The stronger and longer wavelength magnetic anomalies are considered to be valid.

The region west of conductor C1 has the highest magnetic intensity within the survey area. The section of the grid north of magnetic lineament L1 and east of lineament L2 is characterized by a predominantly lower magnetic intensity.

Magnetic lineament L1 strikes in an east-west direction between lines 400 S and 500 S. Usually magnetic lineaments between survey lines must be viewed with caution, but in this instance there is enough evidence to confidently support this feature. A very distinct change in magnetic profile and contour character is observed between these two lines, particularly from 0 - 250 W.

A number of other magnetic lineaments have been interpreted and are thought to represent structural features. The intersection of these lineaments are believed to be important targets for further evaluation.

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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 or a low frequency electromagnetic method. 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 #
200 N	50 W	C1
100 S	175 W	C1
300 S	262 W	C1
400 S	337 W	C1
500 S	400 W	C1
200 S	25 E	C2
200 S	112 E	C2
300 N	375 E	

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

-line 600 S, 425 W to 600 W
-line 700 S, 475 W to 600 W

-line 400 S, 250 W to 375 W
-line 500 S, 250 W to 375 W

-line 0, 75 W to 150 W
-line 100 S, 50 W to 250 W

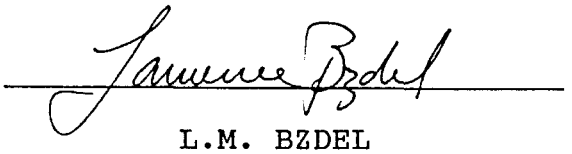
-line 400 S, 100 E to 250 W
-line 500 S, 100 E to 250 W
-line 600 S, 75 W to 250 W

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



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

EDA

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°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°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 Toront
(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

EDA

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	± 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°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°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
Gradient Sensor (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

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

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

Printed in Canada

APPENDIX II

VLF-EM and Magnetic Data List

INTERPRETEX RESOURCES LTD. Data Listing
Area: ATLIN M.D. Current File Name: BDAT.WR1
Grid: BING From File Name: B.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	Annapolis Transmitter - facing east
#3. VLF-EM Quadrature	Annapolis Transmitter - facing east
#4. VLF-EM Field Strength	Annapolis total field strength
#5. VLF-EM In-Phase Values	Seattle Transmitter - facing east
#6. VLF-EM Quadrature	Seattle Transmitter - facing east
#7. VLF-EM Field Strength	Seattle total field strength

LINE #	E/W STATION	N/S	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.
line 375									
	-100	375	57420.1	16.1	8.1	5.6	-12.1	-6.3	25.1
	-87.5	375	57444.0	16.1	7.1	5.8	-11.3	-7.2	24.7
	-75	375	57460.8	16.2	5.5	5.9	-10.9	-6.7	25.0
	-62.5	375	57347.8	15.2	5.8	6.2	-9.0	-7.0	24.9
	-50	375	57389.5	14.8	5.1	6.2	-9.6	-5.1	26.8
	-37.5	375	57361.6	14.9	5.0	6.1	-8.8	-6.8	25.7
	-25	375	57445.6	14.8	4.8	6.1	-7.3	-6.6	25.7
	-12.5	375	57454.0	15.9	4.8	6.0	-7.5	-5.5	25.7
	0	375	57457.0	15.7	4.4	6.0	-6.5	-4.7	25.6
	12.5	375	57568.8	15.7	4.9	6.0	-6.2	-3.6	26.7
	25	375	57474.6	16.6	6.1	6.0	-5.3	-3.6	26.9
	37.5	375	57370.5	20.5	5.8	6.1	-10.7	-8.3	29.8
	50	375	57425.1	21.4	5.3	6.1	-12.5	-10.1	27.1
	62.5	375	57363.6	22.9	3.5	6.3	-13.4	-9.0	27.1
	75	375	57473.9	24.9	3.2	6.1	-14.5	-9.7	27.0
	87.5	375	57412.1	26.1	3.3	6.2	-14.6	-9.0	26.6
	100	375	57181.4	24.8	3.4	6.4	-15.4	-7.1	27.5
	112.5	375	57108.3	24.4	3.4	6.5	-16.3	-6.0	27.4
	125	375	56959.5	23.1	-2.4	6.5	-19.9	-6.9	27.6
	137.5	375	57053.0	24.5	-2.9	6.5	-21.6	-5.7	28.1
	150	375	57074.7	26.4	-2.9	6.6	-26.5	-7.4	28.0
	162.5	375	56899.5	26.4	-3.3	6.5	-25.5	-7.2	26.5
	175	375	57040.8	25.7	-3.7	6.6	-24.0	-3.6	26.2
	187.5	375	56883.7	23.0	-7.1	6.7	-24.3	-1.3	26.0
	200	375	56902.4	21.2	-8.4	6.7	-22.7	0.5	26.2
	212.5	375	56600.1	21.5	-8.3	6.7	-26.9	-1.5	26.1
	225	375	56698.2	19.0	-10.2	6.7	-27.7	-1.4	25.5
	237.5	375	56704.4	13.2	-13.4	6.5	-29.3	-2.2	25.0
	250	375	56864.8	12.7	-13.8	6.3	-28.9	-0.6	24.5
	262.5	375	56805.9	12.1	-13.6	6.1	-26.5	-0.7	23.7
	275	375	56913.4	13.0	-11.7	6.1	-26.1	0.2	23.6
	287.5	375	56793.1	12.8	-10.1	6.1	-23.4	1.4	24.3
	300	375	56757.2	13.5	-9.5	5.9	-23.2	1.3	23.5
	312.5	375	56682.3	13.0	-9.1	6.0	-21.7	1.6	24.0
	325	375	56461.4	12.5	-9.2	6.0	-20.1	1.2	23.9
	337.5	375	56518.2	13.2	-7.7	5.8	-19.5	0.2	23.6
	350	375	56513.2	12.5	-7.6	5.8	-18.5	-0.2	23.9

362.5	375	56502.5	10.4	-7.0	5.6	-18.7	-3.8	24.2
375	375	56448.5	9.9	-9.1	5.7	-22.5	-4.5	23.4
387.5	375	56425.9	6.9	-8.2	5.6	-20.7	-2.1	23.3
400	375	56428.5	4.1	-9.7	5.5	-19.2	-2.8	22.9
412.5	375	56562.1	3.5	-10.4	5.5	-20.9	-2.0	23.2
425	375	56422.2	2.5	-7.9	5.4	-16.0	1.5	23.9
437.5	375	56307.3	4.4	-7.4	5.6	-20.0	0.5	25.6
450	375	56417.5	7.4	-7.6	5.5	-25.2	-2.9	25.5
462.5	375	56569.2	7.0	-8.4	5.5	-28.1	-3.4	24.8
475	375	56412.0	4.5	-7.7	5.4	-26.7	-2.5	24.4
487.5	375	56382.9	3.7	-8.7	5.4	-28.2	-5.3	24.5
500	375	56313.0	4.3	-7.2	5.4	-29.3	-5.2	24.4
Line 300								
-175	300	57805.3	7.1	9.5	5.4	-2.7	1.9	27.2
-162.5	300	57593.0	5.3	8.6	5.9	-4.8	-0.6	26.7
-150	300	57634.9	8.8	8.7	5.5	-4.6	-0.2	27.0
-137.5	300	57535.1	11.7	7.9	5.3	-4.3	-0.4	26.8
-125	300	57733.1	1.1	6.5	6.8	-7.4	-0.9	27.0
-112.5	300	57469.0	14.9	9.0	5.2	-5.6	-4.1	24.2
-100	300	57379.1	12.5	9.2	5.4	-4.8	-2.6	24.1
-87.5	300	57424.7	15.5	9.6	5.3	-5.7	-3.8	26.6
-75	300	57480.7	15.8	10.1	5.3	-5.9	-4.8	26.9
-62.5	300	57652.9	20.3	8.2	5.3	-6.4	-4.7	27.1
-50	300	57620.1	20.3	6.6	5.5	-5.1	-5.2	26.6
-37.5	300	57604.2	21.0	6.8	5.4	-4.9	-4.8	26.5
-25	300	57684.2	23.2	8.4	5.4	-3.4	-2.9	25.1
-12.5	300	57954.1	15.8	10.7	5.7	-3.8	-7.8	24.7
0	300	58051.3	18.2	13.5	5.8	-0.4	-7.4	25.4
12.5	300	57300.5	18.1	9.6	6.0	-2.8	-11.1	24.5
25	300	57178.1	15.4	7.0	6.2	-4.6	-10.1	26.8
37.5	300	57050.7	13.2	4.0	6.3	-3.5	-11.0	24.4
50	300	57156.0	10.9	0.7	6.4	-4.5	-8.9	26.7
62.5	300	57492.8	7.8	-2.0	6.4	-5.4	-9.3	26.7
75	300	57332.7	6.2	-1.5	6.2	-3.3	-8.2	24.0
87.5	300	57434.1	4.3	-1.2	6.4	-1.0	-6.8	24.2
100	300	57331.3	2.3	-0.4	6.5	0.6	-6.1	24.4
112.5	300	57037.2	1.4	0.5	6.5	-0.9	-6.4	25.5
125	300	57002.7	1.9	0.4	6.5	-1.5	-8.1	26.6
137.5	300	57022.5	4.9	2.1	6.4	-5.2	-7.4	26.6
150	300	56970.3	3.1	2.0	6.7	-4.7	-7.5	27.2
162.5	300	56828.4	3.6	-0.1	6.7	-6.4	-7.5	26.9
175	300	56864.7	3.9	-0.1	6.8	-7.4	-4.6	27.2
187.5	300	56918.1	6.2	-0.4	6.9	-9.5	-4.4	28.1
200	300	56733.4	7.7	-0.6	6.9	-14.4	-3.1	30.4
212.5	300	56799.1	7.5	-2.2	7.0	-16.7	-3.3	30.4
225	300	56767.1	8.7	-2.3	7.1	-17.3	-1.4	30.1
237.5	300	56889.7	9.1	-4.8	7.1	-18.9	-0.3	30.1
250	300	56991.7	7.7	-5.2	7.2	-17.3	1.3	29.0
262.5	300	56869.4	6.9	-7.1	7.2	-16.9	3.8	28.1
275	300	56983.1	4.7	-8.1	7.1	-14.6	1.6	25.5
287.5	300	56802.4	6.5	-6.4	7.1	-14.3	4.5	27.6
300	300	56808.3	7.5	-5.9	7.1	-14.3	3.2	27.1
312.5	300	56823.5	6.0	-6.9	6.9	-9.6	1.0	24.1
325	300	56670.0	4.3	-7.0	6.8	-4.7	3.2	25.3
337.5	300	56509.3	6.3	-6.4	6.6	-5.3	5.0	27.4
350	300	56538.0	4.3	-5.8	6.7	-3.7	3.9	27.4
362.5	300	56483.0	3.8	-7.7	6.7	-8.1	3.2	29.6
375	300	56485.5	3.0	-9.1	6.7	-19.8	-2.6	30.4
387.5	300	56460.2	2.1	-6.9	6.7	-24.7	-2.4	27.8
400	300	56343.4	2.5	-6.4	6.6	-21.4	1.8	27.0

412.5	300	56384.2	2.1	-5.9	6.7	-15.2	3.9	27.1
425	300	56409.1	-0.5	-5.7	6.7	-12.4	2.7	26.7
437.5	300	56360.5	-2.5	-5.6	6.7	-11.0	3.0	27.2
450	300	56406.1	-5.2	-7.3	6.7	-12.7	0.5	28.5
462.5	300	56437.4	-6.3	-5.7	6.7	-15.0	0.8	28.2
475	300	56461.5	-7.2	-5.7	6.9	-14.6	-3.4	26.2
487.5	300	56421.0	-8.3	-4.3	7.1	-15.1	0.3	29.8
500	300	56408.2	-8.7	-5.0	7.2	-17.3	-6.4	27.8
512.5	300	56453.9	-3.9	-1.8	7.0	-23.9	-3.3	29.6
525	300	56433.7	-3.1	0.1	7.1	-21.2	-11.0	26.4
537.5	300	56447.9	-2.3	0.3	6.8	-26.3	-2.1	27.8
550	300	56431.0	-3.2	0.8	6.7	-21.9	-11.5	24.3
line 200								
-300	200	57518.3	10.1	3.1	1.0	-10.7	-2.1	21.0
-287.5	200	57446.2	7.9	2.0	1.0	-10.3	-3.7	19.6
-275	200	57675.5	7.0	0.5	1.0	-10.9	-3.2	19.5
-262.5	200	57475.1	7.6	0.6	0.9	-6.6	-1.8	20.1
-250	200	57668.0	7.0	-1.0	1.0	-7.9	-1.6	19.3
-237.5	200	57769.9	4.4	0.1	1.0	-6.7	0.0	17.8
-225	200	57539.7	6.0	0.7	1.0	-7.3	-0.5	20.4
-212.5	200	57320.3	7.1	0.0	1.0	-7.2	-1.8	20.3
-200	200	57759.0	5.6	-0.5	1.0	-5.7	-1.9	20.9
-187.5	200	57764.1	6.9	0.8	1.1	-4.1	-1.4	20.8
-175	200	57819.2	5.5	1.0	1.1	-4.4	-2.7	20.8
-162.5	200	57911.7	3.5	1.2	1.1	-3.2	-3.2	19.8
-150	200	58138.4	4.6	1.8	1.1	-3.0	-3.1	19.3
-137.5	200	57868.4	5.2	0.1	1.1	-4.3	-2.9	19.8
-125	200	58157.4	6.3	0.4	1.2	-2.9	-1.1	19.4
-112.5	200	57937.9	4.9	0.6	1.1	0.3	-1.4	20.6
-100	200	57490.1	4.8	2.1	1.2	-0.6	-0.3	20.7
-87.5	200	57394.8	5.2	1.5	1.2	1.7	1.4	19.9
-75	200	57192.0	6.4	3.8	1.2	2.2	1.9	19.6
-62.5	200	56900.0	6.5	2.6	1.2	0.2	-2.0	20.4
-50	200	56975.2	8.0	1.3	1.3	-3.3	-3.0	27.6
-37.5	200	57160.3	6.4	-1.5	1.2	-8.2	-10.3	20.4
-25	200	57046.1	3.8	-1.5	1.3	-12.2	-12.7	20.5
-12.5	200	56965.1	5.8	-4.1	1.2	-17.6	-14.4	21.4
0	200	56995.0	4.9	-3.4	1.3	-18.7	-13.6	20.5
12.5	200	57141.0	3.0	-2.9	1.3	-22.1	-16.1	18.8
25	200	57154.0	3.0	-4.7	1.2	-18.3	-12.8	18.1
37.5	200	57214.4	0.9	-4.2	1.3	-17.9	-10.9	17.2
50	200	57041.5	2.3	-1.9	1.3	-14.4	-7.6	17.7
62.5	200	57098.5	0.1	-2.0	1.3	-10.6	-5.5	17.6
75	200	56867.7	1.1	-0.9	1.3	-7.9	-2.6	18.8
87.5	200	56884.5	0.5	0.0	1.3	-5.2	-1.3	17.2
100	200	56805.2	-0.6	-1.9	1.3	-4.0	-1.5	16.5
112.5	200	56987.3	-5.1	-4.5	1.4	-2.8	-5.7	17.7
125	200	57002.8	-5.1	-3.7	1.4	-2.3	-5.8	16.6
137.5	200	56842.6	-8.0	-3.1	1.4	0.6	-3.8	19.8
150	200	57385.3	-8.5	-5.4	1.4	1.1	-4.8	18.9
162.5	200	57044.5	-8.6	-3.1	1.4	1.2	-5.3	21.3
175	200	56900.9	-6.8	-3.5	1.5	-1.3	-5.9	20.2
187.5	200	56877.8	-5.2	-1.4	1.5	-4.5	-6.3	21.2
200	200	56615.4	-3.0	-1.2	1.5	-7.4	-7.8	21.2
212.5	200	56698.1	-2.3	-0.5	1.5	-8.6	-7.4	22.1
225	200	56565.9	-1.1	-0.5	1.5	-9.2	-7.3	21.1
237.5	200	56685.9	-1.8	-1.2	1.5	-9.0	-6.9	21.7
250	200	56863.9	-1.1	-1.4	1.5	-15.5	-11.6	19.2
262.5	200	56937.3	0.4	-0.3	1.6	-14.2	-8.2	21.6
275	200	56893.7	1.4	-0.8	1.6	-14.8	-8.5	21.6

287.5	200	56965.4	0.1	0.0	1.6	-12.8	-7.5	21.6
300	200	56813.8	4.0	0.3	1.6	-12.4	-6.5	19.6
312.5	200	56717.1	1.2	-1.4	1.7	-10.8	-6.9	18.5
325	200	56730.1	0.0	-0.8	1.7	-8.3	-5.3	17.6
337.5	200	56691.0	-2.5	-1.8	1.8	-5.0	-4.5	19.6
350	200	56656.4	-2.5	-3.0	1.9	-5.9	-5.2	17.9
362.5	200	56588.2	-2.7	-3.7	1.9	-7.3	-6.2	18.8
375	200	56574.4	-4.0	-2.8	2.0	-9.7	-7.5	20.9
387.5	200	56567.9	-4.1	-3.4	2.0	-12.8	-6.8	21.4
400	200	56521.2	-2.1	-2.5	2.0	-16.4	-7.3	21.1
412.5	200	56483.8	-2.8	-3.1	2.0	-15.0	-6.0	21.5
425	200	56492.0	-2.3	-3.2	1.9	-17.1	-7.1	19.4
437.5	200	56442.2	-3.4	-3.6	1.9	-15.9	-7.1	19.7
450	200	56423.3	-3.9	-3.3	1.9	-17.2	-8.0	20.3
462.5	200	56418.1	-4.5	-1.9	1.9	-16.4	-7.3	20.9
475	200	56415.7	-4.3	-1.8	1.9	-19.2	-9.4	19.5
487.5	200	56380.0	-5.3	-2.6	1.9	-17.3	-8.6	19.0
500	200	56373.1	-10.7	-3.1	5.8	-22.6	-3.8	24.8
512.5	200	56390.5	-10.7	-2.2	5.8	-21.3	-4.0	25.4
525	200	56353.4	-13.0	-1.3	5.8	-18.5	-13.9	22.7
537.5	200	56388.7	-14.3	-2.1	5.6	-27.2	-19.3	18.7
550	200	56409.2	-13.3	-1.2	5.9	-18.2	-13.4	22.1
562.5	200	56355.6	-15.2	-2.0	5.8	-15.8	-16.2	21.9
575	200	56428.9	-16.7	-3.0	5.8	-14.8	-11.7	21.8
587.5	200	56408.8	-17.8	-2.6	5.9	-13.2	-10.6	22.4
600	200	56397.0	-16.8	-2.8	5.8	-15.5	-12.2	24.0
line 100								
-375	100	57854.3	10.4	9.5	1.4	-6.9	2.6	23.0
-362.5	100	58225.3	8.6	5.9	1.5	-5.3	5.7	28.3
-350	100	58252.7	10.1	7.2	1.7	-7.0	3.2	19.9
-337.5	100	57843.8	8.4	5.2	1.8	-6.6	0.5	19.2
-325	100	58038.2	5.9	3.2	1.9	-8.8	-2.4	18.3
-312.5	100	57965.8	6.8	3.6	1.9	-6.1	0.6	19.3
-300	100	57761.2	4.5	2.9	2.0	-4.5	2.8	19.4
-287.5	100	57820.3	4.2	2.5	2.1	-4.0	1.1	20.0
-275	100	57809.0	5.1	3.2	2.2	-4.8	-1.3	19.9
-262.5	100	57769.3	4.7	3.7	2.2	-3.0	-1.1	21.3
-250	100	57582.6	5.7	2.0	2.3	-3.6	-1.1	19.8
-237.5	100	57403.9	5.0	1.8	2.4	-4.2	-1.7	20.6
-225	100	57236.1	4.6	1.1	2.5	-1.2	-0.7	22.1
-212.5	100	57238.8	3.3	0.2	2.6	-0.6	0.2	20.2
-200	100	57121.8	2.8	0.0	2.8	1.5	-1.8	19.9
-187.5	100	57232.8	3.6	0.4	2.9	1.5	-0.2	19.8
-175	100	57219.3	3.6	0.7	2.9	1.5	-0.6	19.8
-162.5	100	57406.4	2.7	1.5	3.0	4.8	-0.8	19.9
-150	100	57379.9	4.6	1.7	3.1	5.2	1.0	17.3
-137.5	100	57216.4	4.7	2.0	3.2	5.0	3.2	18.5
-125	100	56764.3	3.7	1.3	3.4	6.1	3.1	17.0
-112.5	100	56921.2	1.5	1.5	3.6	7.7	1.8	18.7
-100	100	56789.4	-1.9	-0.4	3.7	8.6	2.1	19.2
-87.5	100	57123.2	-5.9	-3.2	3.6	4.5	-6.4	19.2
-75	100	57374.3	-7.0	-3.9	3.7	4.3	-6.0	19.3
-62.5	100	57110.8	-8.3	-3.4	3.7	7.5	-1.9	19.7
-50	100	56944.5	-7.4	-2.9	3.8	6.4	-1.2	20.3
-37.5	100	57113.2	-7.9	-2.2	4.0	6.4	-3.4	22.8
-25	100	57113.8	-7.2	-1.0	4.2	0.3	-6.7	22.2
-12.5	100	56961.9	-5.3	-0.5	4.3	-2.9	-8.1	21.0
0	100	56979.4	-3.1	0.0	4.4	-5.7	-7.7	21.1
12.5	100	56915.5	-0.5	0.9	4.5	-12.9	-10.4	22.1
25	100	57082.1	1.0	1.6	4.5	-14.3	-9.5	20.1

37.5	100	57241.9	1.7	1.4	4.6	-12.3	-3.3	27.5
50	100	57163.0	2.5	2.1	4.6	-10.6	-1.4	27.7
62.5	100	56778.3	1.5	1.4	4.7	-11.0	-3.4	18.3
75	100	56754.4	-0.1	-1.3	4.7	-16.1	-8.1	18.5
87.5	100	56775.6	0.0	-2.2	4.7	-15.3	-9.5	18.3
100	100	56856.8	-3.8	-1.9	4.7	-11.1	-4.7	24.6
112.5	100	56828.6	-2.7	-1.2	4.6	-11.1	-9.1	17.1
125	100	56696.0	-2.2	-0.3	4.4	-8.6	-5.8	19.2
137.5	100	56729.3	-3.8	-0.4	4.4	-9.7	-5.6	16.7
150	100	56734.1	-3.1	0.1	4.4	-6.4	-4.8	17.6
162.5	100	56419.4	-2.1	0.0	4.4	-3.4	-4.4	16.9
175	100	56415.7	-2.6	-0.6	4.4	-4.0	-3.1	17.3
187.5	100	56512.3	-5.5	-0.4	4.4	0.2	-0.2	17.2
200	100	56456.5	-7.4	-1.7	4.5	2.5	0.8	24.9
212.5	100	56600.6	-6.6	-1.9	4.4	-1.0	-1.1	25.2
225	100	56613.3	-7.4	-2.0	4.5	-1.5	-1.3	25.3
237.5	100	56668.3	-6.4	-2.2	4.6	-4.2	-2.5	25.3
250	100	56719.2	-6.7	-1.6	4.6	-4.5	-2.3	24.7
262.5	100	56799.7	-5.1	-1.8	4.7	-7.1	-4.5	16.8
275	100	56858.3	-7.0	-0.7	4.7	-4.3	-4.6	17.1
287.5	100	56786.1	-8.0	-0.7	4.8	-0.5	-2.1	24.3
300	100	56801.3	-8.4	-1.9	4.7	-2.5	-6.4	17.5
312.5	100	56797.2	-10.2	-1.4	4.6	-2.1	-6.1	18.6
325	100	56673.7	-9.2	-1.2	4.6	-4.4	-6.4	17.4
337.5	100	56783.7	-8.2	-0.6	4.6	-6.9	-7.2	17.8
350	100	56668.4	-7.7	-0.5	4.5	-6.8	-5.9	18.7
362.5	100	56640.6	-7.7	0.7	4.5	-6.1	-6.1	17.9
375	100	56602.8	-7.6	1.6	4.4	-9.3	-5.5	17.5
387.5	100	56708.2	-6.5	2.3	4.3	-7.9	-5.1	20.8
400	100	56811.2	-5.9	2.1	4.4	-9.6	-5.7	19.0
412.5	100	56761.6	-5.9	1.5	4.4	-11.6	-7.7	17.5
425	100	56668.5	-6.3	1.7	4.3	-10.1	-7.0	18.9
437.5	100	56629.2	-5.0	1.3	4.4	-11.3	-9.6	17.9
450	100	56658.1	-4.9	2.0	4.2	-9.6	-5.2	21.1
462.5	100	56414.4	-6.0	0.9	4.4	-10.1	-4.8	19.3
475	100	56490.4	-6.1	-0.1	4.1	-8.9	-3.3	23.3
line 0								
-475	0	59428.7	17.1	8.1	5.6	-7.8	4.1	20.1
-462.5	0	58221.6	16.1	5.9	5.6	-6.4	7.2	18.3
-450	0	58183.5	13.4	3.1	5.6	-6.0	7.3	17.8
-437.5	0	58298.9	13.4	2.2	5.5	-8.3	3.5	19.3
-425	0	58146.6	11.2	0.3	5.5	-9.9	2.7	18.1
-412.5	0	58079.5	8.5	-1.2	5.5	-13.7	-2.5	16.6
-400	0	58315.5	8.7	-1.8	5.3	-12.6	-1.5	19.5
-387.5	0	58144.5	7.4	-1.6	5.3	-11.6	-0.1	18.3
-375	0	58187.1	6.6	-2.4	5.3	-11.3	0.0	18.8
-362.5	0	58101.6	5.0	-2.6	5.2	-9.3	2.6	18.6
-350	0	57879.1	5.7	-2.7	5.4	-10.1	2.4	20.7
-337.5	0	57924.0	6.5	-2.2	5.4	-13.2	-0.7	19.5
-325	0	58002.2	6.9	-2.4	5.3	-13.8	-2.1	19.2
-312.5	0	57841.8	7.2	-1.9	5.3	-14.0	-2.1	18.7
-300	0	57813.5	5.9	-1.8	5.2	-11.8	-3.9	18.8
-287.5	0	58048.2	6.7	-1.9	5.1	-11.7	-4.5	18.6
-275	0	58204.9	7.1	-1.9	5.2	-12.4	-2.8	19.8
-262.5	0	57875.4	4.3	-1.2	5.1	-7.8	-1.8	20.0
-250	0	58041.3	6.4	-0.7	5.2	-8.1	-1.4	19.8
-237.5	0	57874.0	7.2	-0.3	5.1	-9.2	-4.2	17.2
-225	0	58157.8	6.4	0.7	5.1	-7.3	-3.0	19.7
-212.5	0	57865.9	8.2	1.0	4.9	-6.4	-3.0	17.6
-200	0	57482.2	8.4	1.1	4.9	-6.0	-1.6	15.5

-187.5	0	57207.9	7.6	0.0	4.9	-4.9	-0.1	16.6
-175	0	56848.0	5.6	-1.0	5.0	-3.5	0.7	16.3
-162.5	0	57013.7	6.2	-0.8	5.0	-5.3	-1.5	16.2
-150	0	57016.3	5.4	-0.2	5.1	-7.0	-2.2	24.5
-137.5	0	56872.9	2.8	-2.7	4.9	-9.4	-8.2	16.6
-125	0	56980.5	0.4	-2.3	4.9	-11.5	-11.8	16.3
-112.5	0	57047.2	0.5	-3.2	4.8	-12.4	-9.9	17.2
-100	0	57008.6	-1.2	-1.5	4.7	-11.3	-8.8	17.5
-87.5	0	56901.0	-0.6	-2.0	4.8	-12.6	-10.5	18.0
-75	0	57310.8	-3.0	-4.0	4.7	-11.5	-12.9	15.8
-62.5	0	57292.3	-3.2	-3.5	4.6	-8.4	-7.9	16.4
-50	0	57300.0	-2.0	-1.7	4.6	-8.1	-8.4	16.2
-37.5	0	57193.3	-2.3	-0.4	4.6	-4.8	-5.2	16.1
-25	0	57038.1	-0.7	0.8	4.5	-5.9	-6.8	16.8
-12.5	0	56677.7	-0.8	2.1	4.6	-1.5	-3.4	15.7
0	0	56573.3	-1.5	1.8	4.7	-2.3	-6.4	16.0
12.5	0	56633.8	-2.9	0.5	4.7	-5.9	-5.5	25.8
25	0	56589.0	-3.7	-0.4	4.9	-8.6	-6.8	27.0
37.5	0	56727.6	-3.1	-1.2	4.8	-12.6	-7.8	24.8
50	0	56824.7	-2.7	-0.5	4.8	-13.2	-7.5	26.4
62.5	0	56737.8	-0.5	0.0	4.9	-18.9	-14.2	17.8
75	0	56549.9	0.2	-0.4	4.9	-20.2	-14.3	17.2
87.5	0	56494.7	0.3	-1.2	4.9	-19.0	-12.3	17.5
100	0	56581.8	-0.1	-2.1	4.8	-16.9	-9.1	20.4
112.5	0	56650.7	0.5	-2.0	4.8	-16.9	-8.7	19.5
125	0	56729.0	-0.2	-1.8	4.7	-17.1	-8.8	17.9
137.5	0	56709.2	-1.7	-0.8	4.6	-13.6	-7.0	19.6
150	0	56799.4	1.1	-0.5	4.5	-18.5	-10.8	16.0
162.5	0	57021.4	0.1	-0.2	4.4	-16.1	-9.9	16.3
175	0	56925.6	0.0	0.0	4.4	-14.2	-8.7	16.8
187.5	0	56753.7	0.1	0.4	4.3	-14.8	-7.8	16.0
200	0	56817.0	0.2	1.2	4.3	-13.9	-7.5	16.2
212.5	0	56575.4	-0.2	0.5	4.3	-12.7	-5.8	16.3
225	0	56621.7	0.9	0.4	4.3	-13.6	-5.5	16.0
237.5	0	56211.5	1.2	0.0	4.4	-13.3	-3.9	17.0
250	0	56336.6	1.9	-0.1	4.3	-15.0	-3.0	17.8
262.5	0	56295.5	2.7	-0.6	4.2	-16.8	-2.5	18.9
275	0	56574.4	3.0	0.2	4.2	-21.9	-6.5	19.4
287.5	0	56704.2	1.8	0.5	4.1	-23.2	-6.8	17.5
300	0	56739.6	0.8	0.0	4.0	-22.6	-6.7	17.2
312.5	0	56803.7	1.2	-1.8	4.0	-24.1	-8.0	16.7
325	0	56746.3	0.0	0.0	4.0	-22.5	-7.0	16.0
337.5	0	56690.4	0.8	0.7	3.8	-20.7	-6.9	15.7
350	0	56843.1	7.4	-0.2	4.4	-23.0	-6.2	14.4
362.5	0	56777.1	5.6	-0.7	4.2	-18.3	-2.5	15.3
375	0	56795.4	3.9	-2.1	4.2	-17.8	-2.3	17.0
387.5	0	56846.8	4.4	-1.9	4.2	-17.8	-3.1	18.8
400	0	56727.1	5.6	-1.3	4.0	-17.8	-2.6	20.5
412.5	0	56705.0	6.1	-1.1	4.2	-22.8	-5.2	17.5
425	0	56652.9	6.3	-2.5	4.4	-27.8	-7.6	19.1
437.5	0	56587.1	6.1	-1.9	4.4	-26.3	-2.7	24.9
450	0	56503.0	4.2	-2.0	4.6	-30.6	-7.1	18.7
line -100								
-650	-100	58725.5	4.4	3.7	6.1	8.1	8.8	24.8
-637.5	-100	58596.3	3.4	3.1	6.1	9.4	10.1	24.4
-625	-100	58435.9	4.0	2.2	6.2	11.7	13.7	21.7
-612.5	-100	58292.0	3.0	1.2	6.3	10.5	10.3	22.4
-600	-100	58298.4	4.9	0.4	6.2	6.5	7.6	22.7
-587.5	-100	58527.6	3.5	0.6	6.3	7.9	7.0	23.5
-575	-100	58573.8	4.6	2.0	6.2	6.9	6.8	21.7

-562.5	-100	58522.0	5.3	1.9	6.2	6.0	7.6	22.1
-550	-100	58715.8	4.9	0.9	6.1	5.3	5.5	21.9
-537.5	-100	58921.9	4.2	0.8	6.1	5.5	5.8	20.4
-525	-100	58951.9	4.1	0.6	5.9	4.6	7.6	19.3
-512.5	-100	58773.9	5.3	0.0	6.1	5.5	8.6	20.4
-500	-100	58639.3	6.6	1.2	6.1	5.8	11.7	19.3
-487.5	-100	58571.5	5.0	0.0	6.2	4.9	9.7	18.7
-475	-100	58736.7	4.7	-0.7	5.9	1.1	6.0	20.0
-462.5	-100	59019.3	4.7	0.2	5.8	-2.5	5.0	19.1
-450	-100	58849.1	5.5	-0.8	5.8	-3.8	5.3	28.3
-437.5	-100	58824.3	2.9	-2.9	5.8	-7.1	0.8	18.1
-425	-100	58581.5	1.8	-4.5	5.7	-6.9	2.7	28.5
-412.5	-100	58518.0	0.8	-4.8	5.5	-11.6	-1.5	18.3
-400	-100	58549.8	-0.8	-4.0	5.6	-7.6	0.6	17.4
-387.5	-100	58585.1	0.3	-3.9	5.5	-8.5	3.2	18.7
-375	-100	58385.6	-0.2	-2.8	5.5	-7.3	2.1	17.2
-362.5	-100	58071.8	2.0	-2.0	5.5	-5.9	5.1	18.3
-350	-100	57876.1	0.7	-3.5	5.4	-3.4	2.4	19.5
-337.5	-100	57830.8	1.8	-3.2	5.3	-5.1	3.4	19.5
-325	-100	57901.0	2.5	-2.6	5.3	-5.1	2.5	18.5
-312.5	-100	57791.5	2.7	-2.3	5.3	-4.2	2.6	18.0
-300	-100	57941.0	3.0	-2.2	5.2	-3.2	2.7	18.1
-287.5	-100	57903.1	3.5	-1.8	5.3	-2.6	2.3	18.3
-275	-100	57860.5	2.8	-1.2	5.2	0.0	2.5	20.5
-262.5	-100	57621.1	1.1	-0.6	5.3	3.0	6.8	16.6
-250	-100	57721.5	1.1	-1.2	5.3	4.7	6.2	17.9
-237.5	-100	57839.6	0.2	-1.0	5.3	6.8	6.6	17.5
-225	-100	57644.0	2.7	0.1	5.3	4.8	5.1	16.9
-212.5	-100	56917.2	1.7	0.3	5.4	6.6	5.6	17.4
-200	-100	56902.4	-0.6	-1.0	5.4	4.6	2.3	26.5
-187.5	-100	57071.3	-0.8	-0.8	5.3	1.1	0.4	26.4
-175	-100	57130.3	-2.3	-0.6	5.3	-0.4	0.2	18.8
-162.5	-100	57057.0	-0.7	-1.1	5.5	-4.2	-0.4	25.6
-150	-100	56794.1	-1.2	-1.3	5.4	-8.0	-2.2	26.4
-137.5	-100	57032.7	-0.3	-1.7	5.2	-8.9	-1.8	23.8
-125	-100	56768.7	-1.7	-0.1	5.3	-3.9	1.4	26.3
-112.5	-100	56944.7	0.9	1.7	5.3	-10.5	-1.1	27.0
-100	-100	56871.0	3.5	2.8	5.3	-23.8	-15.3	16.2
-87.5	-100	56932.1	1.7	4.5	5.4	-15.5	-8.8	17.6
-75	-100	56843.4	-7.7	-1.0	5.7	-1.7	-4.1	18.5
-62.5	-100	56874.2	-9.9	-3.8	5.5	0.4	-3.7	15.7
-50	-100	57070.6	-10.2	-3.7	5.2	4.4	-0.5	17.6
-37.5	-100	56828.4	-11.4	-2.7	5.3	3.2	-1.7	24.2
-25	-100	57151.7	-11.4	-2.3	5.1	3.4	-1.2	27.0
-12.5	-100	56820.1	-8.6	-1.4	5.1	-0.2	-2.8	26.3
0	-100	56776.1	-8.8	-0.4	5.1	-1.3	-10.0	17.7
12.5	-100	56742.3	-8.5	-0.3	5.0	-1.0	-3.6	26.6
25	-100	57188.4	-8.2	0.0	5.0	-0.5	-5.5	18.0
37.5	-100	57151.0	-9.3	1.0	5.0	2.0	-3.5	27.4
50	-100	56944.7	-6.9	0.8	5.0	0.8	-2.2	28.5
62.5	-100	57027.0	-8.2	1.0	5.0	1.4	-4.5	27.2
75	-100	56899.2	-7.8	1.5	5.1	2.1	-2.9	29.3
87.5	-100	56823.4	-1.7	2.3	5.3	-9.1	-10.2	21.8
100	-100	56843.7	-1.4	3.3	5.1	-13.5	-13.0	20.3
112.5	-100	57003.1	0.2	3.0	5.0	-17.3	-13.5	18.6
125	-100	57109.9	-0.7	2.9	5.0	-15.5	-11.7	17.8
137.5	-100	56987.9	-1.8	1.7	4.9	-11.9	-8.9	17.7
150	-100	56993.3	-0.8	0.5	4.9	-12.1	-7.4	17.8
162.5	-100	57062.6	-3.1	1.6	4.8	-8.0	-3.1	23.6
175	-100	57085.1	-2.3	0.7	4.9	-10.9	-6.2	16.1

187.5	-100	57062.4	-2.1	0.1	4.8	-8.2	-0.5	25.1
200	-100	56932.6	-3.8	0.5	4.7	-6.3	0.0	25.0
212.5	-100	56708.2	-2.9	0.1	4.9	-7.1	0.5	23.7
225	-100	56610.7	-3.7	0.3	4.8	-6.5	0.0	25.0
237.5	-100	56499.4	-4.3	1.0	4.9	-7.1	0.8	24.9
250	-100	56677.0	-2.2	-0.4	4.9	-12.0	0.2	25.7
262.5	-100	56848.4	-2.2	0.0	4.8	-12.8	-1.0	24.4
275	-100	56526.8	-2.4	0.3	4.9	-16.6	-3.9	17.2
287.5	-100	56817.7	-2.1	0.5	4.8	-11.1	1.7	24.9
300	-100	56684.7	-3.9	0.9	4.9	-8.7	2.9	24.8
312.5	-100	56619.8	-3.4	0.9	5.2	-10.2	1.6	27.1
325	-100	56776.0	-3.0	1.4	5.2	-19.0	-5.8	18.0
337.5	-100	56779.0	-2.5	1.1	5.1	-19.9	-6.5	17.4
350	-100	56770.1	-2.0	1.4	5.1	-16.1	-4.9	18.8
362.5	-100	56974.5	-3.1	1.7	5.1	-17.7	-5.9	17.0
375	-100	56887.3	-2.9	2.3	5.1	-16.3	-5.5	18.1
387.5	-100	56828.0	-3.3	2.1	5.2	-16.1	-5.7	18.3
400	-100	56800.4	-3.4	1.9	5.3	-14.7	-6.5	18.9
line -200								
-700	-200	58819.1	5.3	-0.3	6.4	-1.1	3.4	32.6
-687.5	-200	58767.3	5.1	-0.4	7.0	1.1	6.5	24.1
-675	-200	58539.0	3.7	-0.9	6.7	3.8	8.4	23.0
-662.5	-200	58509.1	3.8	-2.0	6.5	3.6	8.6	23.4
-650	-200	58577.1	2.3	-3.1	6.3	5.5	9.2	23.7
-637.5	-200	58514.1	1.4	-2.2	6.4	6.1	10.2	23.5
-625	-200	58507.8	2.7	-2.5	6.2	9.2	5.2	35.4
-612.5	-200	58607.8	0.5	-3.6	6.0	10.0	4.1	37.2
-600	-200	58536.9	0.7	-3.2	6.1	10.1	4.7	37.1
-587.5	-200	58418.7	0.6	-3.4	6.1	10.9	4.9	38.0
-575	-200	58283.4	1.0	-3.0	6.1	8.0	3.5	39.0
-562.5	-200	58097.0	3.0	-3.7	6.1	5.3	2.5	38.0
-550	-200	58235.9	2.1	-3.0	6.1	5.7	3.3	38.0
-537.5	-200	57949.7	2.3	-2.5	6.1	5.6	3.9	38.4
-525	-200	57762.3	1.6	-2.5	6.1	2.4	5.2	26.1
-512.5	-200	57837.8	3.5	-2.4	6.2	1.6	3.1	39.3
-500	-200	58294.3	3.0	-3.4	6.1	0.6	2.4	39.0
-487.5	-200	58408.0	1.8	-3.5	6.0	1.7	2.8	39.2
-475	-200	58361.5	2.4	-3.1	6.1	0.4	3.1	40.2
-462.5	-200	57943.5	1.2	-3.5	6.1	0.7	2.7	41.4
-450	-200	57956.7	1.6	-3.6	6.1	-2.5	1.4	41.6
-437.5	-200	58071.7	1.3	-3.1	6.1	-3.9	1.4	41.4
-425	-200	57889.4	3.5	-3.4	6.1	-8.3	-0.2	39.7
-412.5	-200	57648.6	2.0	-3.7	6.1	-6.8	-1.8	26.5
-400	-200	58137.3	2.5	-4.3	5.6	-8.0	-0.5	22.1
-387.5	-200	58163.3	4.7	-3.8	5.7	-8.2	0.6	22.0
-375	-200	58300.9	5.3	-3.1	5.7	-9.7	-0.9	20.0
-362.5	-200	58288.9	5.6	-3.0	5.6	-9.4	-1.8	19.6
-350	-200	58335.9	5.2	-3.1	5.6	-8.5	-1.3	20.4
-337.5	-200	58149.1	4.8	-2.8	5.6	-6.6	-0.5	21.0
-325	-200	57923.1	4.7	-2.2	5.7	-5.4	1.2	21.9
-312.5	-200	58523.9	5.9	-1.2	5.6	-6.3	0.0	21.2
-300	-200	58529.0	5.5	-1.1	5.6	-5.0	-0.6	19.6
-287.5	-200	57969.3	4.9	-0.8	5.5	-3.5	1.4	20.2
-275	-200	57707.7	3.9	-1.4	5.4	-0.9	-0.3	20.1
-262.5	-200	58487.0	2.8	-2.6	5.4	-1.7	-3.9	20.0
-250	-200	57906.5	2.3	-2.0	5.4	0.0	-1.3	18.4
-237.5	-200	57325.3	2.2	-2.0	5.3	1.1	0.4	18.9
-225	-200	57380.4	0.6	-2.7	5.4	-1.8	-4.5	19.1
-212.5	-200	57223.3	0.1	-3.5	5.5	-0.7	-0.6	17.8
-200	-200	57178.6	-0.7	-3.5	5.6	-2.4	2.1	19.0

-187.5	-200	56758.6	0.0	-3.7	5.8	-13.3	-2.4	28.3
-175	-200	56959.8	-3.5	-6.7	5.7	-14.1	-8.7	21.2
-162.5	-200	57188.7	-4.5	-5.7	5.7	-12.7	-9.0	18.3
-150	-200	57733.4	-2.9	-4.3	5.5	-15.5	-10.8	17.3
-137.5	-200	57953.6	-3.4	-3.8	5.4	-14.2	-8.3	16.1
-125	-200	57683.5	-2.1	-2.6	5.4	-12.8	-6.4	18.2
-112.5	-200	57473.8	-2.4	-1.6	5.3	-12.7	-8.3	17.9
-100	-200	57201.0	-0.9	-1.9	5.3	-14.2	-10.1	16.4
-87.5	-200	57393.7	-1.2	-1.7	5.1	-13.0	-6.6	21.6
-75	-200	57164.0	-2.5	-2.3	5.2	-11.9	-10.2	16.8
-62.5	-200	57205.0	-2.6	-1.8	5.1	-9.6	-8.7	16.0
-50	-200	57197.1	-3.6	-1.8	5.1	-8.6	-7.8	16.2
-37.5	-200	57241.5	-4.3	-1.7	5.0	-5.3	-4.2	17.8
-25	-200	57174.2	-4.0	-0.9	5.1	-2.9	-3.6	16.8
-12.5	-200	57211.3	-4.4	-0.9	5.1	-2.0	-2.7	18.3
0	-200	57007.3	-4.9	-0.8	5.1	0.1	-1.2	17.7
12.5	-200	57020.4	-5.8	-0.5	5.2	1.0	-0.2	17.9
25	-200	56656.0	-3.6	0.0	5.5	-0.4	-2.1	18.6
37.5	-200	56582.2	-1.3	0.1	5.5	-5.9	-7.3	19.9
50	-200	56792.8	-1.3	0.5	5.4	-6.1	-5.5	26.0
62.5	-200	56872.0	-0.8	0.8	5.4	-4.5	-5.7	27.2
75	-200	56837.6	0.2	0.6	5.4	-3.7	-4.5	27.3
87.5	-200	56917.3	-1.8	1.9	5.6	0.0	-3.3	19.9
100	-200	56917.8	-1.6	2.2	5.7	1.1	-1.4	20.5
112.5	-200	56809.7	0.1	1.9	5.9	-5.7	-2.3	34.0
125	-200	56948.7	4.5	1.2	6.0	-17.2	-8.1	23.8
137.5	-200	57018.7	5.2	2.1	6.0	-20.8	-8.2	22.1
150	-200	56923.6	4.0	1.0	6.0	-23.8	-8.9	20.3
162.5	-200	57181.4	4.2	-0.7	6.0	-27.0	-9.8	19.8
175	-200	57109.8	2.4	-0.9	5.9	-27.3	-10.7	21.2
187.5	-200	57032.8	4.4	-0.9	5.8	-33.0	-11.8	18.7
200	-200	57130.9	3.4	-0.3	5.8	-28.4	-8.7	19.8
212.5	-200	57377.4	2.5	0.0	5.6	-24.9	-6.1	19.9
225	-200	57344.4	2.5	0.3	5.6	-23.5	-4.7	20.0
237.5	-200	57495.9	2.0	0.0	14.7	-2.3	-0.2	127.4
250	-200	57231.9	1.0	0.0	10.4	-1.7	-0.2	83.1
262.5	-200	57376.1	-0.5	-0.1	6.9	-4.8	-1.1	28.4
275	-200	56976.9	-1.1	-0.4	5.0	-17.0	0.4	18.1
287.5	-200	56607.6	-0.9	0.1	5.5	-10.7	1.1	21.0
300	-200	56536.6	0.0	0.3	6.0	-8.0	2.2	23.8
312.5	-200	56558.3	-2.9	-1.0	6.1	-7.5	2.1	22.4
325	-200	56528.1	-4.7	-0.7	6.6	-4.5	1.0	24.2
337.5	-200	56655.9	-2.5	-0.9	6.3	-9.3	0.7	23.3
350	-200	56712.9	-1.2	-0.5	6.1	-9.9	-0.8	23.8
362.5	-200	56487.4	-1.2	-0.5	6.2	-9.8	0.0	25.1
375	-200	56603.8	-2.3	-0.4	6.0	-11.4	-0.1	20.3
Line -300								
-700	-300	58359.7	-3.6	2.3	6.1	13.0	4.1	38.7
-687.5	-300	58332.0	-3.9	2.6	6.2	14.0	3.9	38.7
-675	-300	58169.0	-3.3	2.9	6.1	11.0	8.1	25.3
-662.5	-300	57869.6	-2.8	1.5	6.2	10.4	7.4	25.1
-650	-300	57977.7	-4.2	0.2	6.0	11.0	1.3	37.8
-637.5	-300	58237.4	-4.2	-0.9	5.8	10.4	3.0	37.1
-625	-300	58180.4	-4.8	-0.3	5.9	10.5	3.5	36.9
-612.5	-300	57959.7	-6.0	-0.5	5.8	13.2	3.5	36.7
-600	-300	57855.3	-5.9	-2.1	5.7	9.9	5.4	26.0
-587.5	-300	58165.7	-4.9	-1.6	5.7	9.8	3.5	38.0
-575	-300	58497.8	-4.9	-1.9	5.8	9.1	3.8	38.8
-562.5	-300	58396.0	-4.3	-1.7	5.8	10.1	4.7	37.8
-550	-300	58303.2	-4.3	-1.6	5.7	10.0	5.4	39.8

-537.5	-300	58540.2	-3.9	-0.9	5.7	7.8	6.0	37.8
-525	-300	58517.0	-3.8	-1.4	5.6	8.2	6.6	37.9
-512.5	-300	58500.5	-4.1	-2.3	5.6	5.9	5.3	38.2
-500	-300	58656.6	-4.6	-2.6	5.5	5.1	5.9	36.6
-487.5	-300	58584.1	-4.4	-2.2	5.6	4.0	5.6	37.5
-475	-300	58675.8	-2.0	-2.2	5.5	0.5	4.1	36.3
-462.5	-300	58598.7	-1.4	-2.6	5.6	0.1	3.7	37.8
-450	-300	58554.0	-0.7	-2.9	5.5	-0.8	3.0	35.9
-437.5	-300	58674.7	-1.0	-2.5	5.4	3.8	35.2	
-425	-300	58471.1	-0.2	-2.5	5.5	0.3	3.4	34.7
-412.5	-300	58612.7	0.9	-3.0	5.5	0.1	1.5	34.6
-400	-300	58581.2	0.0	-3.1	5.4	0.6	2.4	33.4
-387.5	-300	58329.4	0.3	-2.5	5.4	1.6	1.8	35.1
-375	-300	58182.2	0.9	-2.7	5.4	2.3	3.4	35.9
-362.5	-300	58223.3	1.1	-3.1	5.4	2.4	3.1	35.0
-350	-300	58282.9	0.1	-2.5	5.4	3.9	3.1	35.2
-337.5	-300	58213.0	1.5	-2.1	5.5	3.5	1.8	34.8
-325	-300	58175.0	0.6	-1.2	5.3	4.5	3.1	35.9
-312.5	-300	57644.8	-0.8	-1.0	5.4	6.1	2.9	35.4
-300	-300	57531.8	2.0	-0.6	5.3	2.5	0.9	36.5
-287.5	-300	57511.4	1.3	-0.7	5.3	4.3	2.1	36.6
-275	-300	57730.9	1.0	0.3	5.4	4.3	3.6	36.3
-262.5	-300	57360.3	-1.2	-0.7	5.3	-1.7	1.7	39.0
-250	-300	57727.5	-4.0	-4.2	5.4	-11.9	-3.3	37.9
-237.5	-300	58107.2	-4.9	-2.8	5.3	-12.8	-3.9	34.5
-225	-300	58023.4	-5.1	-1.7	5.2	-11.2	-3.3	34.1
-212.5	-300	57915.2	-2.6	-1.0	5.1	-11.5	-2.1	33.7
-200	-300	57484.9	-3.2	-0.6	5.1	-9.4	0.1	33.3
-187.5	-300	57246.1	-3.5	-1.5	5.0	-10.1	-1.2	31.5
-175	-300	57121.6	-5.1	-1.1	5.1	-6.6	0.0	31.5
-162.5	-300	57119.9	-3.1	-1.6	4.9	-6.3	0.3	31.7
-150	-300	57281.4	-4.4	-2.3	5.0	-5.9	-0.3	32.0
-137.5	-300	57431.5	-6.4	-2.5	5.0	-4.4	-0.2	31.6
-125	-300	57583.1	-7.8	-2.6	5.0	-2.7	0.6	30.8
-112.5	-300	57164.0	-4.5	-1.5	5.0	-5.0	-1.6	31.7
-100	-300	57227.8	-2.2	-0.9	4.9	-8.0	-2.6	31.2
-87.5	-300	57146.8	-1.4	-0.4	4.9	-7.2	-2.7	30.7
-75	-300	57368.8	-1.6	0.2	4.9	-6.9	-1.5	31.7
-62.5	-300	57092.8	-4.9	-0.9	4.9	-2.1	-2.2	30.5
-50	-300	57300.8	-5.2	-0.4	4.9	-1.3	-0.5	31.3
-37.5	-300	57197.1	-4.4	-0.3	4.8	-0.4	-0.4	30.8
-25	-300	57182.4	-4.2	0.6	5.0	0.0	-0.5	31.8
-12.5	-300	57405.7	-5.2	0.6	5.0	1.9	-0.2	30.3
0	-300	57231.0	-6.7	1.7	5.1	4.8	1.3	30.5
12.5	-300	56827.5	-5.6	1.4	5.1	5.4	2.0	32.0
25	-300	56876.3	-5.2	1.4	5.1	7.7	2.5	34.2
37.5	-300	56935.9	-4.0	1.8	5.3	8.4	3.3	34.7
50	-300	56851.6	-5.4	0.4	5.4	9.2	2.5	36.1
62.5	-300	56935.1	-3.9	2.3	5.5	4.0	-0.5	38.6
75	-300	56847.3	-3.1	1.9	5.4	1.3	-1.0	39.3
87.5	-300	56942.2	-5.2	-0.4	5.5	1.4	-2.0	37.5
100	-300	56834.1	-6.2	-1.4	5.3	0.3	0.1	39.8
112.5	-300	56855.7	-8.2	-1.7	5.4	0.5	0.6	39.6
125	-300	57080.2	-5.1	-2.0	5.4	-3.3	-0.4	40.1
137.5	-300	57269.8	-4.4	-1.3	5.4	-5.3	-0.5	43.3
150	-300	57149.4	-1.2	0.1	5.6	-13.0	-2.0	40.1
162.5	-300	57115.0	0.5	0.4	5.6	-12.3	-4.6	26.5
175	-300	57859.4	1.7	0.6	5.4	-11.9	-3.9	26.4
187.5	-300	58111.9	1.0	0.7	5.7	-13.6	0.1	36.9
200	-300	57663.5	0.5	-0.1	5.3	-12.5	2.7	35.2

212.5	-300	57140.7	-1.6	-0.8	5.6	-9.9	-2.6	23.5
225	-300	57218.6	-1.3	-0.8	5.4	-11.9	-1.8	23.3
237.5	-300	57276.5	-2.5	-0.8	5.8	-9.4	-1.8	22.8
250	-300	57492.9	-3.8	0.0	5.5	-10.0	2.6	33.7
262.5	-300	57347.4	-1.8	0.3	5.4	-10.1	3.3	33.9
275	-300	57618.7	-0.2	-0.3	5.3	-9.5	2.9	34.5
287.5	-300	57374.8	-1.4	-0.5	6.1	-5.1	0.1	24.7
300	-300	56725.2	-3.4	-0.1	5.8	-2.9	2.3	25.5
312.5	-300	56557.1	-1.7	0.0	6.5	-3.2	2.2	24.3
325	-300	56560.9	-0.5	0.0	7.3	-1.4	0.5	37.4
337.5	-300	56623.7	1.4	0.3	7.6	-3.2	0.4	33.8
350	-300	56674.1	-0.6	0.7	6.4	-13.6	5.4	33.1
362.5	-300	56559.2	0.6	0.3	7.8	-2.2	-1.4	41.4
375	-300	56420.8	1.4	0.6	4.7	-5.4	-1.4	28.6
387.5	-300	56436.6	4.3	0.3	4.0	-12.2	-3.0	25.0
400	-300	56472.4	2.4	0.7	4.5	-10.4	-6.2	23.5
412.5	-300	56507.8	1.2	1.8	4.0	-10.2	-3.9	23.1
425	-300	56556.0	1.4	0.7	3.6	-27.9	0.0	24.1
437.5	-300	56554.6	2.2	0.1	3.4	-26.7	2.0	24.3
450	-300	56543.5	-0.2	-0.1	3.5	-22.0	1.5	24.6
462.5	-300	56522.1	-0.7	-1.1	3.5	-20.9	1.4	23.5
475	-300	56499.0	-1.9	-1.4	3.6	-18.5	1.0	23.8
line -400								
-725	-400	57623.2	-12.0	3.6	6.1	24.9	3.4	35.4
-712.5	-400	57395.5	-11.2	2.8	6.3	31.3	14.6	25.5
-700	-400	57483.9	-10.9	3.1	6.1	29.5	14.3	24.5
-687.5	-400	57629.8	-9.7	3.2	6.1	17.8	-0.8	35.4
-675	-400	57682.7	-10.5	2.0	5.9	15.2	-0.6	35.3
-662.5	-400	57535.0	-8.6	1.0	6.0	23.2	8.7	23.2
-650	-400	57714.6	-8.2	1.6	5.9	21.0	8.5	23.1
-637.5	-400	57350.2	-6.4	2.1	5.9	18.5	10.1	24.3
-625	-400	57345.4	-5.7	0.6	5.9	17.2	9.6	24.0
-612.5	-400	57286.4	-5.7	2.0	5.8	18.1	11.7	24.5
-600	-400	57348.3	-4.8	1.8	5.7	15.9	5.3	23.1
-587.5	-400	57386.7	-3.7	2.1	5.9	16.8	12.9	23.0
-575	-400	57403.3	-4.1	-1.4	5.8	14.5	9.9	23.4
-562.5	-400	57277.6	-4.6	-1.0	5.8	15.6	12.9	23.9
-550	-400	57065.2	-4.3	-0.6	5.9	13.8	12.2	24.3
-537.5	-400	57388.2	-4.5	-1.2	5.8	12.2	14.7	25.1
-525	-400	57205.9	-4.7	-2.9	5.9	12.6	17.8	25.5
-512.5	-400	57355.0	-1.3	-4.6	5.8	4.5	14.1	24.8
-500	-400	57408.5	0.2	-5.0	5.8	0.9	12.5	24.5
-487.5	-400	57625.0	1.9	-7.1	5.6	-3.8	9.8	23.4
-475	-400	57788.6	4.3	-6.9	5.5	-4.4	8.5	23.5
-462.5	-400	57832.8	4.9	-6.5	5.4	-6.2	9.5	22.7
-450	-400	57769.2	5.2	-6.5	5.2	0.1	8.8	23.9
-437.5	-400	57789.7	6.6	-6.9	5.3	-1.2	8.2	24.4
-425	-400	57762.7	6.8	-6.3	5.3	-4.1	10.0	22.7
-412.5	-400	57724.9	8.2	-5.3	5.2	-1.9	7.2	23.2
-400	-400	57804.1	9.3	-4.8	5.2	-0.8	9.2	22.1
-387.5	-400	57637.9	7.7	-3.9	5.3	3.5	8.8	22.2
-375	-400	57538.1	7.7	-2.7	5.2	1.0	13.5	21.7
-362.5	-400	57346.4	8.4	-1.9	5.2	8.1	10.6	23.9
-350	-400	56862.8	9.5	-1.0	5.2	7.8	14.6	25.3
-337.5	-400	56818.4	5.7	-4.2	5.2	1.0	8.0	25.4
-325	-400	56850.9	-1.1	-9.7	5.2	-7.9	2.3	24.3
-312.5	-400	57056.0	-1.7	-9.5	5.1	-9.6	2.0	22.6
-300	-400	57527.2	-1.1	-6.6	5.0	-7.7	6.4	23.7
-287.5	-400	56917.7	0.2	-6.0	5.0	-9.4	5.2	24.9
-275	-400	57030.1	5.3	-3.2	4.9	-19.0	3.7	24.3

-262.5	-400	57020.4	5.1	-2.9	4.9	-18.1	3.4	23.7
-250	-400	56972.9	2.7	-2.4	4.9	-17.6	2.8	22.0
-237.5	-400	57712.7	3.2	-4.6	4.8	-17.0	5.1	22.1
-225	-400	57702.0	2.0	-4.3	4.8	-17.2	4.9	22.6
-212.5	-400	57732.9	2.6	-4.2	4.8	-16.6	4.5	24.1
-200	-400	57788.2	3.0	-3.1	4.7	-19.2	0.5	21.7
-187.5	-400	58013.1	4.3	-1.7	4.8	-22.2	-0.1	21.2
-175	-400	57939.7	4.7	-0.2	4.7	-21.9	0.3	22.1
-162.5	-400	58070.9	5.8	1.3	4.7	-26.4	-5.5	19.2
-150	-400	58109.0	5.6	1.9	4.8	-28.9	-9.2	19.7
-137.5	-400	58503.2	4.9	2.3	4.7	-27.6	-6.7	19.4
-125	-400	58433.7	5.8	2.5	4.7	-16.2	3.2	20.9
-112.5	-400	58320.4	6.2	2.3	4.6	-17.9	1.7	20.0
-100	-400	58075.6	4.5	4.1	4.8	-15.4	0.3	19.4
-87.5	-400	57694.5	3.5	3.5	4.8	-13.2	1.5	19.6
-75	-400	57613.7	1.8	2.3	4.8	-16.5	-5.8	19.0
-62.5	-400	57613.8	-0.8	0.8	4.7	-14.7	-7.3	18.4
-50	-400	57950.1	-1.4	0.4	4.7	-8.3	-4.0	18.4
-37.5	-400	57817.8	-0.8	1.5	4.7	-8.2	-3.3	18.8
-25	-400	57607.9	-1.9	3.0	4.7	-3.5	-1.2	18.1
-12.5	-400	57701.1	-2.3	4.1	4.7	0.6	3.0	20.2
0	-400	57762.0	-1.4	6.1	4.7	2.8	4.3	20.1
12.5	-400	57459.0	-1.0	3.6	4.8	0.2	2.5	21.3
25	-400	57190.5	-2.8	3.9	4.8	0.0	-0.8	19.6
37.5	-400	56950.0	-5.9	1.6	4.9	2.6	-1.0	22.3
50	-400	56877.3	-6.8	1.6	4.8	0.5	-5.8	19.8
62.5	-400	56894.2	-6.5	0.9	4.8	-1.1	-0.7	21.8
75	-400	56802.6	-5.5	1.2	4.8	0.0	2.0	22.0
87.5	-400	56796.4	-5.6	2.8	4.9	-0.5	3.4	22.0
100	-400	57155.4	-5.1	1.8	5.0	-4.3	-1.3	23.3
112.5	-400	57178.9	-4.6	2.4	5.0	-8.9	-3.7	22.2
125	-400	57109.4	-5.3	0.0	5.2	-8.8	-2.9	31.8
137.5	-400	57097.1	-6.1	0.2	5.0	-9.4	-4.1	21.9
150	-400	57031.3	-7.8	-0.9	5.2	-6.6	-0.2	32.9
162.5	-400	56934.3	-6.6	-0.7	5.2	-9.7	-0.4	23.7
175	-400	56822.1	-5.0	-0.1	5.3	-19.4	-6.1	24.5
187.5	-400	56786.4	-2.2	-0.8	5.4	-35.0	-16.8	22.2
200	-400	56785.1	-0.5	0.0	5.4	-19.7	-0.6	33.4
212.5	-400	56715.8	-2.3	-1.5	5.4	-19.1	0.0	32.9
225	-400	56621.8	-7.1	-4.0	5.5	-16.5	-1.6	33.0
237.5	-400	56948.8	-7.0	-6.9	5.2	-16.7	-0.2	30.9
250	-400	57042.4	-9.8	-6.2	5.0	-11.5	1.3	30.6
262.5	-400	56926.2	-7.4	-5.1	4.9	-12.0	5.4	29.5
275	-400	56945.8	-8.5	-5.5	4.9	-18.5	2.1	20.7
287.5	-400	56773.5	-7.6	-6.4	4.8	-10.8	6.8	22.6
300	-400	56828.1	-7.0	-5.8	4.8	-20.7	0.1	20.5
312.5	-400	56863.5	-6.0	-6.2	4.8	-18.8	2.6	22.1
325	-400	56638.5	-7.0	-5.9	4.8	-18.4	4.2	20.7
337.5	-400	56495.5	-7.4	-6.3	4.8	-20.4	3.5	21.7
350	-400	56420.0	-8.5	-5.9	4.9	-20.4	-2.0	19.9
362.5	-400	56498.6	-6.7	-8.3	4.9	-19.1	-1.3	22.1
375	-400	56527.8	-5.3	-7.0	4.9	-17.3	0.0	22.8
387.5	-400	56451.3	-6.8	-7.2	4.9	-17.8	2.1	22.1
400	-400	56465.5	-5.8	-8.1	4.9	-20.1	3.3	21.3
412.5	-400	56449.6	-5.9	-7.9	4.9	-21.1	4.7	21.1
425	-400	56485.8	-5.9	-8.6	4.9	-17.3	1.9	23.8
437.5	-400	56511.0	-5.6	-8.0	5.0	-18.2	0.1	22.3
450	-400	56508.4	-3.2	-7.8	4.7	-12.4	1.4	26.9
462.5	-400	56474.1	-2.1	-7.7	4.6	-15.3	0.7	26.0
475	-400	56413.2	-4.7	-4.4	4.8	-13.8	1.7	25.5

487.5	-400	56432.3	-5.4	-2.7	5.0	-14.8	-0.2	25.4
500	-400	56473.6	-8.0	-1.1	5.7	-11.2	0.9	27.5
Line -500								
-650	-500	57491.6	-4.8	3.2	5.8	11.4	0.5	24.1
-637.5	-500	57463.0	-3.0	2.7	5.5	10.7	-0.3	21.3
-625	-500	57274.8	-3.2	2.3	5.7	10.7	2.2	23.3
-612.5	-500	57185.0	-5.3	2.2	5.4	13.4	2.3	23.1
-600	-500	57128.0	-6.2	-0.1	5.5	14.3	3.2	23.7
-587.5	-500	57152.6	-6.9	-0.5	5.5	14.2	4.0	24.6
-575	-500	57265.3	-6.7	-1.3	5.4	10.3	-0.7	31.8
-562.5	-500	57292.5	-5.1	-2.1	5.5	10.2	1.8	33.0
-550	-500	57289.9	-7.5	-3.4	5.6	12.6	2.2	34.0
-537.5	-500	57411.8	-8.8	-2.8	5.6	16.5	5.5	34.7
-525	-500	57345.3	-10.3	-3.0	5.5	23.3	21.7	27.0
-512.5	-500	57330.2	-4.6	-2.6	5.5	15.7	6.2	27.8
-500	-500	57590.9	3.1	0.0	5.8	4.8	13.9	26.2
-487.5	-500	57296.9	5.3	0.1	5.8	1.4	10.5	25.5
-475	-500	57510.5	11.6	2.4	5.9	-10.6	4.1	25.6
-462.5	-500	57301.0	11.1	1.1	5.8	-9.1	6.3	25.4
-450	-500	57143.0	10.5	0.0	5.7	-4.9	4.1	25.1
-437.5	-500	57295.9	13.3	-0.5	5.7	-9.1	4.6	23.8
-425	-500	57315.4	12.6	0.1	5.7	-6.7	6.4	24.0
-412.5	-500	57047.1	12.0	0.2	5.7	-6.7	7.4	25.3
-400	-500	57087.4	8.1	-4.0	5.6	-15.0	0.3	25.5
-387.5	-500	57266.0	7.0	-3.0	5.5	-18.9	-8.5	22.9
-375	-500	57194.3	8.0	-2.7	5.4	-16.8	-3.5	24.6
-362.5	-500	57151.2	6.9	-2.4	5.4	-18.1	-0.5	23.4
-350	-500	56885.4	7.9	-2.5	5.4	-19.4	-0.8	25.3
-337.5	-500	56817.9	10.1	-0.8	5.4	-25.7	-6.1	23.9
-325	-500	57001.7	11.9	-0.3	5.5	-31.6	-8.8	24.2
-312.5	-500	56949.6	12.6	0.5	5.4	-29.7	-5.1	23.8
-300	-500	57031.3	13.3	0.6	5.4	-32.3	-6.2	24.7
-287.5	-500	56860.1	12.3	0.2	5.4	-31.0	-4.1	26.0
-275	-500	57073.5	13.5	-1.0	5.4	-40.7	-14.9	24.6
-262.5	-500	57214.5	12.4	0.1	5.3	-35.6	-11.2	26.9
-250	-500	57111.3	12.2	-0.4	5.3	-35.4	-11.3	26.9
-237.5	-500	56863.5	11.7	0.4	5.3	-37.1	-11.3	26.0
-225	-500	56759.4	11.9	1.9	5.2	-33.9	-7.4	26.6
-212.5	-500	56775.8	10.4	0.9	5.4	-37.0	-10.7	25.5
-200	-500	56884.8	11.5	1.6	5.4	-41.2	-15.1	24.7
-187.5	-500	56929.4	11.1	2.5	5.3	-37.3	-10.8	24.0
-175	-500	56844.5	11.1	3.4	5.4	-41.0	-15.8	23.3
-162.5	-500	56774.4	11.3	3.8	5.4	-40.8	-16.1	22.4
-150	-500	56982.4	10.7	3.8	5.5	-39.6	-18.3	22.7
-137.5	-500	56853.4	10.2	3.7	5.4	-38.3	-17.7	22.5
-125	-500	56759.7	9.8	2.9	5.4	-38.5	-20.4	22.3
-112.5	-500	56765.9	9.1	5.0	5.4	-35.0	-15.7	22.0
-100	-500	56857.8	8.8	4.9	5.5	-34.2	-15.4	22.0
-87.5	-500	56746.7	8.1	4.8	5.5	-31.0	-15.5	22.4
-75	-500	56775.6	5.9	4.0	5.7	-26.9	-12.8	22.4
-62.5	-500	56718.8	2.6	2.8	5.7	-21.9	-9.5	22.4
-50	-500	56759.1	-2.3	0.1	5.7	-14.9	-4.7	22.3
-37.5	-500	56959.5	-5.1	-2.1	5.6	-14.0	-4.2	21.7
-25	-500	57023.4	-7.4	-3.3	5.5	-12.5	-5.7	21.0
-12.5	-500	56882.2	-9.3	-4.0	5.4	-9.5	-6.5	22.3
0	-500	57248.3	-11.5	-5.3	5.2	-9.8	-7.5	23.3
12.5	-500	57381.7	-11.0	-4.5	5.2	-9.3	-7.4	22.6
25	-500	57428.3	-12.2	-5.9	5.0	-8.3	-6.7	22.9
37.5	-500	57319.5	-12.4	-5.2	5.0	-8.5	-5.7	22.6
50	-500	57260.2	-11.9	-3.9	4.9	-8.5	-6.1	21.2

62.5	-500	57184.2	-11.8	-2.3	4.9	-12.0	-10.4	23.7
75	-500	57153.1	-10.2	-2.5	4.8	-12.6	-11.8	23.7
87.5	-500	57228.4	-11.9	-4.6	4.8	-14.4	-12.6	23.3
100	-500	57309.1	-12.8	-4.2	4.6	-13.2	-10.3	26.3
112.5	-500	57191.4	-10.8	-2.2	4.7	-16.8	-12.5	23.5
125	-500	57310.3	-7.8	-1.8	4.7	-19.2	-13.1	23.1
137.5	-500	57104.1	-8.8	-1.2	4.7	-16.5	-9.3	24.8
150	-500	57215.3	-7.8	-0.4	4.6	-18.7	-9.4	23.1
162.5	-500	57339.1	-8.2	-1.0	4.6	-15.1	-5.5	25.0
175	-500	57439.6	-5.4	-0.4	4.7	-20.2	-8.0	22.7
187.5	-500	57272.8	-4.3	-0.6	4.8	-18.0	-5.8	26.1
200	-500	56916.4	-2.3	0.2	4.8	-21.8	-8.9	25.4
212.5	-500	56973.8	-1.3	1.1	4.7	-22.6	-9.6	25.4
225	-500	56945.6	-1.7	0.3	4.6	-20.6	-7.7	26.5
237.5	-500	56921.7	-0.5	0.1	4.7	-24.6	-10.0	24.9
250	-500	56900.7	1.7	1.1	4.7	-26.0	-11.2	25.6
line -600								
-650	-600	57295.6	-8.9	-0.2	4.1	18.9	1.5	35.6
-637.5	-600	57196.6	-8.2	0.9	4.1	18.3	1.7	36.2
-625	-600	57234.0	-6.8	0.9	4.1	17.7	0.3	35.6
-612.5	-600	57172.3	-7.7	0.5	4.0	16.9	0.6	36.0
-600	-600	57157.4	-5.0	2.2	4.3	20.4	4.6	24.2
-587.5	-600	57035.1	-3.2	3.0	4.4	32.0	16.9	23.0
-575	-600	57073.4	-2.2	4.4	4.5	22.9	11.7	24.0
-562.5	-600	56990.5	0.2	5.7	4.6	22.4	12.4	24.5
-550	-600	56967.2	1.3	7.4	4.7	21.9	13.7	24.0
-537.5	-600	56834.7	0.6	8.6	4.6	16.7	4.2	35.9
-525	-600	57004.8	0.9	7.9	4.9	21.1	18.8	23.5
-512.5	-600	57054.7	-0.4	6.0	5.1	18.0	10.2	26.1
-500	-600	56966.7	-6.6	3.2	5.1	23.6	22.3	23.9
-487.5	-600	57001.6	-9.2	0.9	5.0	23.7	22.6	25.3
-475	-600	56887.2	-8.6	1.1	5.0	14.4	5.5	26.5
-462.5	-600	56821.2	-7.1	2.0	5.1	7.9	2.1	40.0
-450	-600	56863.6	-3.6	4.1	4.9	3.9	1.4	27.5
-437.5	-600	56965.7	-2.4	3.4	5.0	1.8	1.9	38.8
-425	-600	57317.1	-1.9	4.2	4.8	1.0	2.9	37.8
-412.5	-600	57418.2	-1.2	5.9	4.9	0.0	0.8	37.7
-400	-600	57397.7	-0.8	5.0	4.8	-0.8	0.7	37.3
-387.5	-600	57334.7	-1.5	5.5	4.6	0.0	0.3	37.0
-375	-600	57253.4	-0.6	4.8	4.4	-0.5	0.5	36.3
-362.5	-600	57136.5	-0.8	3.8	4.7	-4.9	-1.6	23.3
-350	-600	57124.1	-0.9	5.0	4.8	-0.9	1.9	26.4
-337.5	-600	57085.4	0.0	3.3	4.7	-7.8	-1.5	26.9
-325	-600	57237.9	-0.1	3.0	4.6	-9.0	-0.7	25.4
-312.5	-600	57087.4	-1.3	0.3	4.6	-11.7	-3.2	25.7
-300	-600	57108.2	-2.4	0.9	4.5	-9.7	-3.8	24.0
-287.5	-600	57182.6	-2.0	0.4	4.5	-9.6	-1.3	24.9
-275	-600	57089.7	-2.7	0.7	4.5	-12.4	-2.2	23.7
-262.5	-600	57041.3	-2.2	2.3	4.4	-6.5	5.1	25.4
-250	-600	56987.2	-0.9	3.3	4.3	-7.3	4.4	24.3
-237.5	-600	56777.2	-1.4	0.2	4.1	-19.1	-10.3	23.8
-225	-600	56637.0	-1.0	0.6	4.6	-11.7	0.5	35.1
-212.5	-600	56959.9	-1.6	0.0	4.6	-12.6	-0.1	34.6
-200	-600	56795.9	-0.6	-0.1	4.6	-14.1	-0.6	34.6
-187.5	-600	56845.1	-0.2	-0.5	4.6	-17.0	-2.7	34.2
-175	-600	57039.9	-2.9	-1.4	4.6	-17.0	-4.7	33.3
-162.5	-600	57052.1	-3.2	-0.3	4.5	-17.0	-4.1	32.4
-150	-600	57092.4	-1.8	0.0	4.5	-16.0	-1.1	32.2
-137.5	-600	57067.6	-3.4	1.0	4.5	-15.5	-1.8	31.8
-125	-600	56950.8	-3.6	2.5	4.6	-13.4	-0.4	31.3

-112.5	-600	56866.4	-3.4	1.3	4.5	-15.1	-0.6	32.1
-100	-600	56958.3	-2.9	1.8	4.5	-16.0	-3.1	31.0
-87.5	-600	57020.9	-4.6	0.7	4.4	-14.4	-3.4	30.4
-75	-600	57116.4	-5.5	0.5	4.5	-10.9	-8.3	28.0
-62.5	-600	57227.3	-5.2	0.2	4.5	-11.2	-2.2	29.9
-50	-600	57361.0	-4.5	0.5	4.4	-10.4	0.0	30.3
-37.5	-600	57607.3	-6.8	0.2	4.5	-7.7	-2.3	29.8
-25	-600	57661.9	-6.6	-0.4	4.4	-8.3	-2.3	30.0
-12.5	-600	56953.9	-7.1	0.7	4.4	-6.4	-1.2	30.0
0	-600	56721.7	-8.4	0.6	4.5	-4.5	-2.2	30.2
12.5	-600	57117.2	-8.9	0.6	4.4	-3.7	-2.2	29.9
25	-600	57061.8	-7.9	0.3	4.5	-3.0	-0.8	31.0
37.5	-600	56988.6	-7.3	1.2	4.4	-6.6	-3.6	31.3
50	-600	57090.7	-7.9	0.9	3.7	-8.8	-6.8	22.5
62.5	-600	57066.0	-7.6	1.3	4.4	-5.2	-2.3	31.9
75	-600	57064.0	-9.0	0.4	4.4	-5.7	-3.7	31.9
87.5	-600	57083.5	-8.8	1.4	4.4	-5.2	-2.9	32.0
100	-600	57312.3	-6.5	1.4	4.3	-7.5	-4.2	31.8
112.5	-600	57421.7	-4.7	1.3	4.3	-7.7	-3.0	32.6
125	-600	57704.3	-1.7	4.8	4.4	-13.0	-5.2	32.8
137.5	-600	57541.4	-1.0	4.6	4.2	-12.2	-3.8	31.3
150	-600	57462.5	-1.6	4.6	4.2	-10.0	-4.5	28.4
162.5	-600	57665.4	-1.4	4.5	4.3	-10.1	-0.7	31.3
175	-600	58048.9	-1.9	3.5	4.2	-10.3	-0.1	31.9
187.5	-600	57862.0	-3.5	1.9	4.3	-10.3	-0.7	31.8
200	-600	57902.7	-4.4	1.2	4.3	-9.7	-1.3	31.4
212.5	-600	57920.1	-4.2	-0.3	4.3	-10.1	-1.9	31.5
225	-600	57610.8	-4.0	-0.9	4.4	-10.6	-3.2	30.8
237.5	-600	57723.1	-5.0	0.2	4.2	-8.0	-0.6	33.0
250	-600	57254.7	-2.7	1.4	4.0	-8.4	-1.0	34.6
262.5	-600	56563.4	-1.4	-1.7	4.7	-24.0	-12.7	22.3
275	-600	56440.3	-2.5	-1.9	5.1	-17.3	-4.8	23.5
287.5	-600	56412.7	-3.5	-1.3	5.7	-21.9	-13.9	23.7
300	-600	56323.4						
line -700								
-650	-700	57235.4	-7.4	-0.8	3.6	22.6	12.5	24.2
-637.5	-700	57117.4	-5.1	0.0	3.6	22.7	15.0	23.2
-625	-700	57106.2	-4.3	1.6	3.7	21.9	13.0	24.0
-612.5	-700	57055.3	-3.4	2.6	3.7	23.4	14.6	24.8
-600	-700	56940.8	-6.5	4.0	3.2	16.1	2.9	35.9
-587.5	-700	56898.0	-3.7	3.8	3.7	25.2	19.6	24.3
-575	-700	56887.5	-5.2	4.3	3.5	13.5	2.1	36.2
-562.5	-700	56936.7	-6.0	2.5	3.6	12.4	0.9	36.1
-550	-700	56903.6	-7.5	2.2	3.4	7.9	-0.8	36.3
-537.5	-700	56896.2	-8.9	2.2	3.2	6.0	2.8	32.7
-525	-700	56899.6	-8.4	3.6	3.1	6.7	-0.4	35.2
-512.5	-700	56911.3	-9.5	5.5	2.9	8.2	1.9	35.0
-500	-700	57078.2	-7.3	4.5	2.9	7.2	2.3	35.4
-487.5	-700	57187.8	-9.1	2.4	2.8	5.9	2.2	36.6
-475	-700	57121.3	-8.7	1.3	2.7	4.1	1.3	36.4
-462.5	-700	57130.5	-8.4	1.9	2.7	4.5	3.8	37.2
-450	-700	57195.0	-7.2	1.9	2.7	2.0	0.9	37.4
-437.5	-700	57137.3	-6.6	3.4	2.5	0.7	1.8	36.6
-425	-700	57041.7	-6.4	1.6	2.5	1.0	-0.2	37.0
-412.5	-700	56954.1	-5.8	1.5	2.4	0.0	0.4	37.2
-400	-700	56931.5	-3.2	2.4	2.4	-1.7	-1.4	37.4
-387.5	-700	56922.1	-0.9	4.2	2.4	-2.5	0.0	37.6
-375	-700	56858.1	-1.6	3.2	2.0	-3.9	-0.7	37.2
-362.5	-700	56941.9	-1.7	2.8	1.9	-2.9	-1.5	38.4
-350	-700	57063.3	2.8	2.9	1.9	-9.6	-2.4	39.4

-337.5	-700	57270.9	5.3	4.2	1.9	-15.6	-3.3	38.4
-325	-700	57412.5	6.0	5.7	1.8	-17.5	-3.1	36.7
-312.5	-700	57321.1	8.5	3.8	1.7	-17.8	-3.2	35.9
-300	-700	57338.9	4.7	6.8	1.7	-14.9	-7.7	32.8
-287.5	-700	57274.4	4.7	5.9	1.7	-15.9	0.5	35.0
-275	-700	57115.0	3.4	0.2	1.7	-14.4	-7.1	31.8
-262.5	-700	57227.3	4.9	2.2	1.7	-13.6	-6.2	31.8
-250	-700	57272.9	0.5	0.3	1.7	-14.6	-6.5	32.2
-237.5	-700	57236.4	-1.3	-2.3	1.7	-15.3	-8.2	32.5
-225	-700	57258.3	0.5	-2.0	1.7	-19.9	-3.5	34.4
-212.5	-700	57104.8	2.0	-2.1	1.6	-16.7	-10.2	31.3
-200	-700	56891.8	1.7	-0.5	1.6	-16.0	-9.3	31.7
-187.5	-700	56920.3	2.1	-3.4	1.6	-21.6	-2.8	34.5
-175	-700	56871.0	4.0	-1.7	1.6	-22.8	-4.1	34.1
-162.5	-700	57059.2	4.8	1.0	1.5	-21.8	-13.8	30.2
-150	-700	56952.2	2.3	-0.4	1.6	-21.3	-13.4	29.6
-137.5	-700	56867.5	1.1	-0.8	1.6	-20.3	-10.4	29.2
-125	-700	56733.9	-2.6	-2.0	1.6	-17.3	-6.6	28.9
-112.5	-700	56790.9	-3.0	-4.8	1.6	-19.1	-0.3	32.0
-100	-700	56971.4	-0.7	-1.6	1.5	-20.2	-11.4	29.1
-87.5	-700	57158.7	-2.0	-4.0	1.5	-18.9	-11.6	27.8
-75	-700	57221.0	-1.2	-0.2	1.6	-17.2	-7.7	27.8
-62.5	-700	57147.6	0.0	-4.3	1.5	-14.9	-6.4	27.4
-50	-700	57106.9	-1.4	-7.0	1.5	-13.6	-5.4	27.6
-37.5	-700	57088.9	-2.6	-1.7	1.5	-13.9	0.7	29.7
-25	-700	57166.4	-3.5	-2.7	1.6	-12.1	-6.4	27.7
-12.5	-700	57205.0	-3.0	-3.3	1.6	-11.6	-4.7	27.7
0	-700	57165.9	-5.2	-3.1	1.6	-11.3	0.2	30.2
12.5	-700	57046.4	-4.7	-1.6	1.6	-10.4	0.2	30.6
25	-700	57092.3	-3.9	-2.3	1.6	-11.2	-0.2	30.5
37.5	-700	57033.2	-4.1	-0.6	1.6	-10.7	0.2	31.0
50	-700	56969.9	-3.2	-0.5	1.6	-11.5	-0.9	31.4
62.5	-700	57026.9	-1.7	-0.7	1.6	-11.9	-1.5	31.1
75	-700	57013.9	-2.2	0.6	1.6	-10.5	-5.2	28.6
87.5	-700	57048.9	-3.6	-1.3	1.7	-8.9	-2.6	28.8
100	-700	57291.1	-0.7	0.2	1.7	-10.9	-0.6	31.9
112.5	-700	57793.5	-1.0	0.3	1.6	-11.8	-3.7	29.7
125	-700	57664.9	0.5	1.3	1.7	-11.2	-4.2	29.5
137.5	-700	57592.1	1.3	-1.7	1.7	-10.7	-3.6	29.6
150	-700	57421.3	-1.8	0.2	5.0	13.8	4.6	24.6
162.5	-700	57451.5	-1.6	0.2	5.0	13.3	2.8	26.5
175	-700	57493.7	-0.7	-1.0	5.3	15.0	4.1	26.2
187.5	-700	57747.0	1.0	-0.5	5.2	17.1	6.9	26.6
200	-700	57865.5	1.7	-0.2	5.3	16.5	1.9	18.9
212.5	-700	57522.8	2.6	-0.1	5.2	16.9	1.1	17.4
225	-700	57478.1	2.2	-0.6	5.2	20.9	8.9	27.0
237.5	-700	57271.8	0.2	-2.5	5.3	18.7	3.1	18.9
250	-700	57364.6	-1.6	-3.5	5.2	25.5	16.7	25.9
line -800								
-650	-800	57041.1	-7.2	3.6	5.8	-26.4	-11.1	27.6
-637.5	-800	56927.9	-7.9	4.8	5.9	-21.5	-3.0	19.0
-625	-800	56948.1	-13.4	3.6	6.0	-24.5	-13.6	29.4
-612.5	-800	57019.2	-13.7	5.0	6.0	-16.8	0.0	19.1
-600	-800	57079.9	-15.0	6.1	5.9	-18.4	-8.2	27.7
-587.5	-800	57078.1	-16.2	6.0	6.0	-14.5	1.3	18.8
-575	-800	57234.9	-20.5	3.3	5.9	-15.4	-3.4	27.9
-562.5	-800	57254.7	-20.2	4.8	5.9	-13.6	1.3	18.5
-550	-800	57243.5	-20.4	4.5	5.8	-11.8	-1.0	19.8
-537.5	-800	57359.3	-22.3	2.9	5.8	-15.2	-1.5	19.1
-525	-800	57087.0	-22.5	1.3	5.8	-19.8	-10.5	27.2

-512.5	-800	57068.0	-19.8	2.3	5.9	-16.0	-6.9	28.9
-500	-800	57159.1	-16.6	6.0	5.8	-14.4	-8.3	28.2
-487.5	-800	57079.9	-13.9	7.5	5.8	-15.1	-8.6	27.6
-475	-800	57074.5	-11.2	8.0	5.5	-10.2	-5.6	29.0
-462.5	-800	57064.7	-9.2	7.7	5.7	-10.0	-1.9	20.3
-450	-800	57195.5	-10.6	8.7	5.8	-10.1	-0.9	20.0
-437.5	-800	57380.8	-9.6	7.1	6.0	-9.7	-1.6	20.6
-425	-800	57391.5	-8.8	8.6	5.5	-7.3	-1.4	23.6
-412.5	-800	57213.2	-5.3	7.4	5.9	-6.3	0.9	20.6
-400	-800	57073.5	-5.4	8.6	5.9	-5.1	0.7	19.9
-387.5	-800	56932.1	-5.3	7.5	5.9	-8.0	-1.9	28.6
-375	-800	57025.8	-6.8	8.7	5.9	-6.1	-1.0	20.8
-362.5	-800	56939.8	-5.9	5.3	5.8	-2.7	1.3	21.6
-350	-800	57277.6	-7.7	4.3	5.7	-4.1	0.8	28.8
-337.5	-800	57348.3	-7.8	3.9	5.8	-3.4	0.4	21.4
-325	-800	57047.7	-6.4	4.4	5.6	-0.8	0.5	31.1
-312.5	-800	57336.9	-4.5	4.1	5.7	2.7	2.5	29.0
-300	-800	57320.3	-2.8	2.8	5.6	5.9	4.8	29.2
-287.5	-800	57283.0	-2.9	2.9	5.6	6.5	7.0	30.4
-275	-800	57153.3	-3.4	1.1	5.6	6.4	3.6	21.7
-262.5	-800	57059.3	-2.9	1.9	5.7	6.2	2.9	20.8
-250	-800	56930.0	-2.2	1.8	5.6	8.5	6.9	30.3
-237.5	-800	57063.6	-1.5	1.2	5.6	8.2	2.4	20.7
-225	-800	56839.0	-1.1	0.9	5.5	9.5	3.4	20.7
-212.5	-800	56892.1	-3.2	-0.5	5.6	9.1	4.3	20.2
-200	-800	56907.9	-2.9	-2.2	5.5	9.5	3.5	20.3
-187.5	-800	57027.5	-2.7	-0.9	5.5	9.8	1.7	20.3
-175	-800	57139.9	-2.0	-0.4	5.3	10.1	1.8	19.4
-162.5	-800	56984.6	-0.8	0.0	5.2	11.3	0.1	20.0
-150	-800	57028.2	2.5	0.4	5.2	20.9	11.8	29.7
-137.5	-800	57138.1	3.8	0.9	5.1	24.9	12.2	27.1
-125	-800	57071.7	3.1	0.8	5.1	16.2	1.6	19.4
-112.5	-800	57230.3	1.8	0.6	5.1	21.8	9.7	27.0
-100	-800	57271.2	1.9	0.4	5.1	21.3	9.2	27.4
-87.5	-800	57086.1	2.4	-0.3	5.2	23.8	9.8	26.7
-75	-800	56976.3	0.5	-1.9	5.0	13.8	0.7	18.5
-62.5	-800	56938.4	-0.4	-0.8	5.0	16.9	4.7	25.2
-50	-800	56847.0	-1.2	-2.3	5.0	16.6	5.5	26.4
-37.5	-800	57033.3	-1.0	-1.5	5.1	15.2	4.1	24.7
-25	-800	57211.2	-1.9	-2.4	5.1	14.4	3.9	25.1
-12.5	-800	57364.2	-0.9	-1.4	5.0	8.6	-2.7	17.3
0	-800	57221.7	-0.7	-0.3	5.1	11.2	0.4	25.5
12.5	-800	57212.8	0.1	-0.4	5.1	13.9	1.6	24.0
25	-800	57193.2	-0.4	0.2	5.2	6.4	-3.0	17.1
37.5	-800	57007.9	0.8	-0.1	5.1	12.1	3.4	26.0
50	-800	56972.5	1.5	0.3	5.1	13.0	3.7	24.7
62.5	-800	56885.7	0.9	1.7	5.1	9.8	-0.1	25.6
75	-800	56869.6	2.2	1.7	5.1	8.1	-2.8	26.8
87.5	-800	57164.4	2.5	3.7	5.1	8.7	-0.7	26.5
100	-800	57360.2	3.2	2.5	5.1	11.4	0.1	24.9
112.5	-800	57193.5	3.4	2.7	5.2	10.4	0.9	26.7
125	-800	57381.2	2.0	0.9	5.2	6.6	-1.2	18.2
137.5	-800	57673.6	2.0	1.3	5.2	7.9	-1.5	18.5
150	-800	57807.4	2.7	0.8	5.2	7.9	-2.1	18.0
162.5	-800	58709.9	4.3	1.8	5.1	9.2	-0.9	18.8
175	-800	57568.6	4.7	0.4	5.4	15.3	4.8	27.3
187.5	-800	56738.6	3.1	0.8	5.5	9.3	-1.0	18.3
200	-800	56623.5	1.7	-1.6	5.2	18.4	9.2	27.2
212.5	-800	57224.1	1.0	-1.5	5.5	13.0	2.1	20.2
225	-800	57406.9	1.3	-2.0	5.5	14.4	1.8	18.9

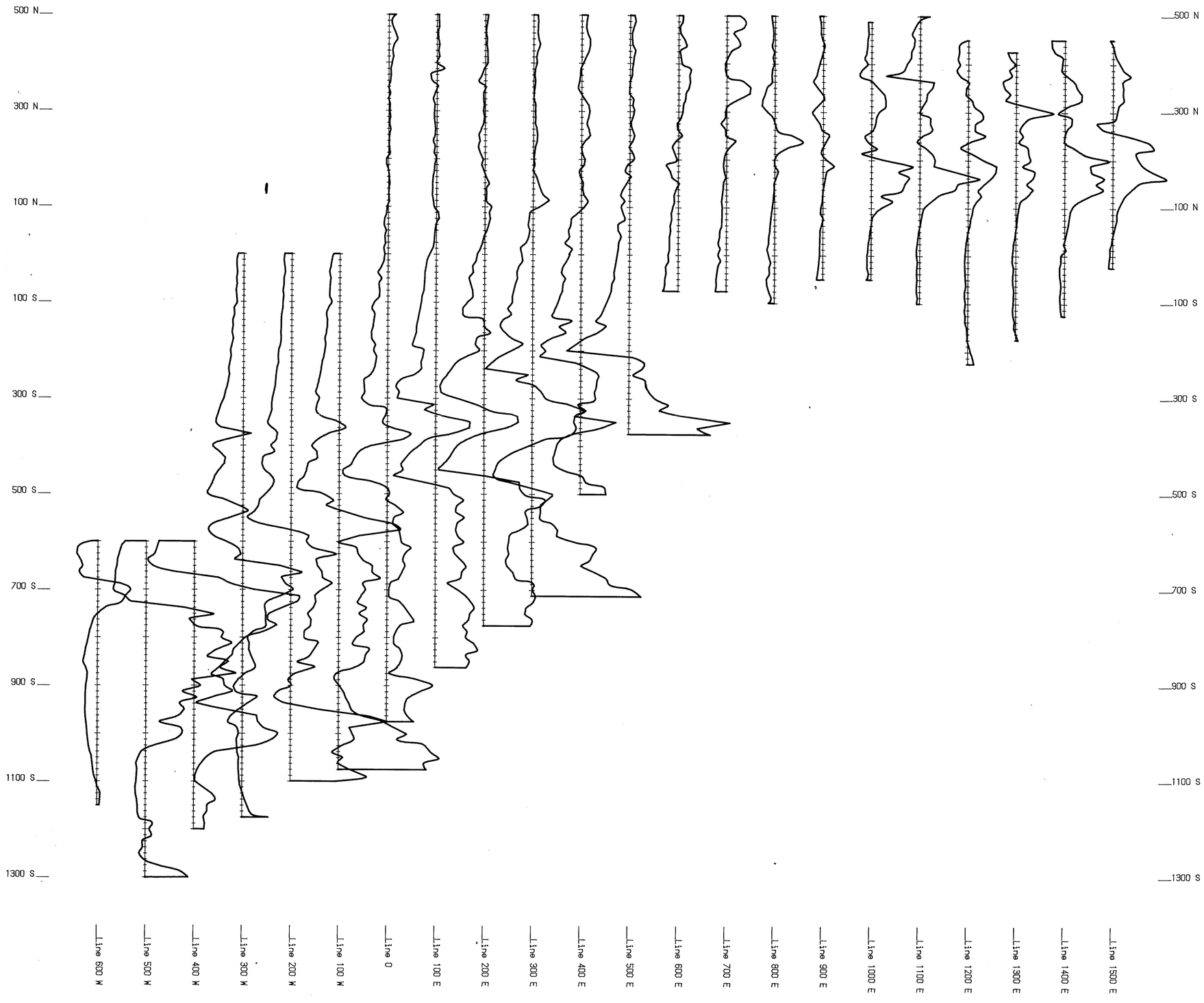
237.5	-800	57350.5	1.4	-3.5	5.2	16.5	1.2	19.3
250	-800	57546.8	0.0	-4.2	5.3	18.0	1.6	19.2
262.5	-800	57441.3	0.0	-3.4	5.4	25.6	11.0	27.9
275	-800	57264.5	0.0	-1.9	5.4	20.2	4.2	18.7
287.5	-800	56764.6	-1.3	-2.2	5.5	19.9	6.5	19.0
300	-800	56709.5	-1.7	-3.6	5.3	19.1	4.1	19.4
312.5	-800	56567.3	-2.6	-2.7	5.3	24.1	14.2	25.5
325	-800	56561.5	-3.2	-4.6	5.3	18.7	1.8	17.7
337.5	-800	56551.4	-6.5	-4.6	5.5	19.8	11.4	25.9
350	-800	56518.7	-6.0	-4.3	5.4	15.7	3.2	17.4
line -900								
-825	-900	57916.1	2.8	6.6	6.0	-24.2	1.0	19.3
-812.5	-900	57794.5	2.0	7.4	6.0	-28.7	-11.1	27.6
-800	-900	57897.4	2.6	8.2	6.0	-23.2	-8.8	29.5
-787.5	-900	57916.7	3.2	8.4	5.9	-24.6	-10.3	28.5
-775	-900	57996.9	1.3	5.7	5.8	-20.9	-4.0	27.6
-762.5	-900	58043.1	1.5	5.6	5.8	-18.1	-2.8	27.5
-750	-900	57651.5	-3.2	2.0	5.8	-20.7	-6.8	27.7
-737.5	-900	57614.7	-4.5	0.2	5.8	-22.0	-8.0	27.6
-725	-900	57702.1	-3.6	2.2	5.7	-21.3	-10.9	27.5
-712.5	-900	57642.2	-3.7	3.2	5.7	-16.9	0.9	18.9
-700	-900	57785.6	-2.4	5.7	5.6	-15.9	-3.3	19.4
-687.5	-900	57674.5	-3.1	6.9	5.5	-12.8	-2.6	20.8
-675	-900	57478.7	-5.9	5.2	5.7	-8.7	-2.9	21.1
-662.5	-900	57559.4	-10.2	1.6	5.5	-2.6	-0.6	20.4
-650	-900	57856.1	-10.8	3.7	5.2	-2.3	-2.3	26.7
-637.5	-900	57925.2	-11.2	3.9	5.1	-3.2	-5.2	27.3
-625	-900	57752.3	-11.1	4.9	5.1	-5.0	-7.2	26.2
-612.5	-900	57376.6	-8.6	3.6	5.3	-1.7	-4.1	25.9
-600	-900	57436.5	-7.4	5.4	5.1	-2.1	-5.6	25.4
-587.5	-900	57280.7	-6.7	6.2	5.1	-1.7	-5.6	25.6
-575	-900	57205.8	-6.7	5.5	5.1	-1.6	-4.7	25.4
-562.5	-900	57170.3	-7.6	5.9	5.0	-2.4	-5.5	26.6
-550	-900	57154.9	-7.4	5.5	5.0	-1.9	-3.1	26.1
-537.5	-900	57336.5	-8.0	5.9	5.0	-3.7	-6.4	25.2
-525	-900	57207.7	-6.8	4.7	4.9	-3.2	-3.6	24.6
-512.5	-900	57121.5	-7.1	5.4	4.8	-3.0	-2.3	24.8
-500	-900	57151.9	-7.2	3.5	4.8	-3.5	-0.6	24.1
-487.5	-900	57263.0	-9.4	2.9	4.8	-7.4	-5.7	23.7
-475	-900	57215.4	-11.3	2.1	4.7	-8.4	-5.5	24.9
-462.5	-900	57284.3	-12.3	0.2	4.8	-11.2	-10.4	25.4
-450	-900	57241.3	-12.1	-0.5	4.7	-10.9	-6.8	25.5
-437.5	-900	57163.1	-12.6	0.9	4.8	-13.3	-12.9	26.2
-425	-900	57181.2	-12.0	-0.3	4.9	-13.1	-11.7	25.2
-412.5	-900	57130.9	-13.8	-0.1	5.0	-14.5	-5.0	18.6
-400	-900	57011.3	-13.1	-0.8	5.1	-11.4	-1.1	20.0
-387.5	-900	56994.5	-11.7	-2.5	5.1	-6.3	0.5	20.7
-375	-900	57190.2	-8.3	-1.1	5.0	-1.5	2.4	19.0
-362.5	-900	57673.4	-6.9	-1.3	5.0	-0.2	0.2	27.8
-350	-900	57731.0	-6.5	-1.2	5.0	-0.6	-2.3	27.8
-337.5	-900	57393.3	-7.0	-1.3	5.0	0.7	1.4	28.8
-325	-900	57846.5	-5.1	-0.9	5.1	2.2	1.1	26.5
-312.5	-900	57579.3	-5.3	-0.7	5.1	2.5	1.4	27.6
-300	-900	57200.1	-4.7	-1.7	5.0	3.1	0.2	18.5
-287.5	-900	57239.1	-4.7	-1.8	5.1	4.5	3.2	27.4
-275	-900	57175.6	-3.8	-3.2	5.1	8.1	7.0	26.8
-262.5	-900	57317.3	-1.5	-1.7	5.1	8.6	7.0	30.0
-250	-900	57089.3	-0.1	-0.3	5.0	8.3	2.8	20.2
-237.5	-900	56910.6	3.0	-1.3	5.1	9.8	3.4	20.5
-225	-900	56944.3	2.3	0.7	5.1	14.9	11.3	27.8

-212.5	-900	56916.2	3.7	0.9	5.2	16.3	12.4	27.6
-200	-900	56858.3	3.8	1.1	5.1	16.1	10.6	27.3
-187.5	-900	56868.3	2.9	0.3	5.2	15.1	7.5	27.3
-175	-900	56801.2	3.1	0.7	5.2	14.6	4.5	28.1
-162.5	-900	56840.9	3.1	-1.1	5.2	16.6	7.8	28.8
-150	-900	57056.0	5.8	-2.1	5.1	21.8	10.8	28.7
-137.5	-900	57028.6	5.9	-1.6	5.1	21.6	8.9	28.0
-125	-900	57024.3	5.7	-3.3	5.0	24.7	10.3	27.3
-112.5	-900	56952.4	5.5	-1.8	5.0	24.2	10.4	28.7
-100	-900	57136.5	6.8	-3.1	5.0	26.1	10.5	26.1
-87.5	-900	57198.4	6.9	-3.3	5.0	27.0	10.5	25.0
-75	-900	57254.4	7.7	-2.5	5.0	26.7	9.3	25.5
-62.5	-900	57207.9	6.3	-2.4	4.9	23.0	7.2	26.3
-50	-900	57224.5	6.9	-2.4	4.9	24.9	10.6	25.3
-37.5	-900	57241.9	6.2	-3.6	5.0	23.5	9.4	24.8
-25	-900	57403.1	6.3	-2.9	4.9	19.8	6.5	24.3
-12.5	-900	57229.4	5.5	-1.2	4.8	16.7	3.5	24.5
0	-900	56830.8	4.1	0.0	4.8	15.2	0.6	23.7
12.5	-900	56787.7	6.2	-1.0	4.9	16.0	0.8	24.6
25	-900	56990.2	7.2	0.4	5.0	16.5	-1.0	24.5
37.5	-900	57391.4	7.0	1.4	5.2	14.8	-3.9	25.0
50	-900	57722.4	7.3	1.6	5.3	14.9	-3.1	25.8
62.5	-900	57127.7	8.2	1.6	5.0	18.4	4.4	25.8
75	-900	57187.9	8.6	2.1	5.1	19.7	3.7	25.7
87.5	-900	57190.0	8.1	0.9	5.1	22.1	9.8	25.0
100	-900	56920.0	9.1	1.2	5.1	21.4	9.4	26.6
112.5	-900	57224.1	8.3	0.9	5.1	21.8	11.4	26.4
125	-900	56896.8	8.6	1.8	5.1	22.2	7.3	25.0
137.5	-900	56948.2	7.9	0.8	5.1	20.8	6.7	26.2
150	-900	56733.8	4.3	-3.3	5.4	22.5	13.3	26.1
162.5	-900	56817.4	3.3	-4.3	5.4	23.6	13.5	26.7
175	-900	56752.1	1.8	-4.7	5.0	24.7	12.9	26.5
187.5	-900	56734.0	0.3	-5.4	5.3	26.3	17.0	26.5
200	-900	56711.4	0.5	-5.4	5.5	27.8	18.5	25.4
212.5	-900	56885.4	-0.6	-5.6	5.5	28.4	19.3	25.6
225	-900	56734.7	-1.7	-7.5	5.4	27.5	16.5	25.1
237.5	-900	56618.4	-2.6	-6.3	5.5	26.5	15.5	25.9
250	-900	56597.9	-3.5	-7.5	5.3	25.3	14.7	26.3
Line -1000								
-800	-1000	57493.3	-13.9	5.6	5.5	-52.5	-26.7	28.1
-787.5	-1000	57283.8	-14.0	6.8	5.4	-36.5	-4.9	19.5
-775	-1000	57262.4	-12.6	7.7	5.4	-37.2	-4.1	20.0
-762.5	-1000	57195.0	-11.3	6.8	5.5	-34.1	-5.9	20.8
-750	-1000	57394.9	-9.6	6.9	5.4	-41.5	-24.2	31.8
-737.5	-1000	57507.9	-8.6	7.9	5.4	-33.7	-8.6	21.3
-725	-1000	57586.5	-8.4	9.1	5.5	-30.3	-8.0	22.8
-712.5	-1000	57401.6	-1.6	7.2	5.3	-12.2	-4.3	25.2
-700	-1000	57534.1	3.8	7.9	5.0	-7.4	-3.4	25.3
-687.5	-1000	57466.9	3.8	6.5	5.1	-6.8	-5.0	22.9
-675	-1000	57700.1	3.1	6.6	5.0	-8.2	-4.9	22.4
-662.5	-1000	57823.6	2.6	7.8	5.2	-8.2	-6.7	21.9
-650	-1000	57822.4	3.0	8.7	5.1	-8.1	-8.2	21.6
-637.5	-1000	57808.1	4.3	7.9	5.2	-8.5	-7.6	21.4
-625	-1000	57822.9	3.1	10.2	5.2	-5.3	-6.8	21.5
-612.5	-1000	57660.2	6.4	9.0	4.9	-5.2	-5.1	21.7
-600	-1000	57572.1	6.6	9.5	4.7	-4.3	-4.9	22.1
-587.5	-1000	57469.8	5.6	7.5	4.9	-3.8	-5.6	21.1
-575	-1000	57861.4	6.4	7.0	4.9	-2.6	-5.3	20.4
-562.5	-1000	58171.9	8.2	7.0	4.8	0.7	-3.7	19.3
-550	-1000	57821.5	8.3	6.9	5.0	0.4	-2.1	19.9

-537.5	-1000	57817.5	8.7	9.5	4.9	0.9	-1.9	20.2
-525	-1000	57813.2	10.8	9.7	4.8	1.6	-1.5	18.8
-512.5	-1000	57785.6	9.8	9.9	5.0	0.0	-3.2	18.6
-500	-1000	57402.7	7.3	8.1	4.9	-1.0	-4.2	19.3
-487.5	-1000	57171.9	3.5	1.8	5.0	-1.6	-2.7	18.7
-475	-1000	57218.2	3.1	1.1	4.9	2.7	3.2	25.9
-462.5	-1000	57245.1	1.8	1.8	4.8	-1.3	-1.2	18.1
-450	-1000	57085.4	2.2	2.4	4.7	0.3	-4.3	25.8
-437.5	-1000	56943.4	1.8	-1.2	4.7	-0.4	-2.1	18.1
-425	-1000	57081.6	2.3	0.0	4.6	0.5	-3.1	18.5
-412.5	-1000	57016.2	1.9	-1.0	4.6	1.0	-2.1	20.4
-400	-1000	57012.1	1.4	-0.3	4.6	6.0	4.3	27.5
-387.5	-1000	57081.3	2.4	-1.1	4.6	4.2	-0.7	19.9
-375	-1000	57090.6	2.1	-1.4	4.5	2.4	-1.7	19.5
-362.5	-1000	57040.7	1.0	-1.6	4.5	2.1	-2.5	17.9
-350	-1000	57117.3	2.0	-1.4	4.5	1.6	-3.4	18.1
-337.5	-1000	57131.1	1.4	0.9	4.4	1.0	-3.1	20.4
-325	-1000	57076.1	1.5	1.8	4.5	1.9	-3.7	19.7
-312.5	-1000	57007.1	-0.6	-1.1	4.3	4.8	1.1	27.4
-300	-1000	57123.1	-0.4	-3.0	4.6	0.8	-0.1	19.0
-287.5	-1000	57145.5	1.0	-0.4	4.7	0.7	-1.7	18.8
-275	-1000	57095.0	1.1	-0.3	4.7	0.2	-0.4	17.8
-262.5	-1000	57058.6	0.4	-0.4	4.7	0.5	-1.4	18.1
-250	-1000	56975.7	1.8	-1.2	4.6	1.1	0.9	19.5
-237.5	-1000	57007.8	2.3	0.0	4.7	7.3	4.7	25.7
-225	-1000	57058.5	2.5	-0.7	4.8	6.9	4.2	26.4
-212.5	-1000	56996.5	2.7	-0.8	4.7	5.1	3.6	26.1
-200	-1000	56994.6	2.7	-0.7	5.0	6.0	4.6	27.4
-187.5	-1000	57024.2	3.6	-0.3	5.1	5.4	6.0	23.7
-175	-1000	56873.3	3.7	-0.9	4.5	8.2	0.7	16.1
-162.5	-1000	56794.8	5.5	-1.5	4.9	8.7	7.3	27.3
-150	-1000	56836.3	3.5	-2.4	5.3	7.7	-1.6	20.2
-137.5	-1000	56869.4	2.2	-1.8	5.7	8.9	-0.3	20.2
-125	-1000	57004.2	8.9	-4.0	4.8	14.5	13.5	26.2
-112.5	-1000	56937.7	9.1	-4.6	5.5	11.6	0.8	18.9
-100	-1000	56992.7	7.2	-2.8	6.5	12.5	0.1	19.2
-87.5	-1000	57120.1	8.0	-2.2	6.6	11.4	0.9	18.0
-75	-1000	57148.7	7.6	-0.7	6.1	10.5	-0.8	18.3
-62.5	-1000	57144.8	5.8	-0.9	6.5	15.3	0.0	24.7
-50	-1000	57103.8	8.6	-0.2	5.9	18.9	2.0	26.4
-37.5	-1000	57167.7	8.2	-0.8	6.2	10.4	-3.7	17.7
-25	-1000	57123.6	7.3	0.6	6.4	8.9	-3.1	18.5
-12.5	-1000	57073.8	9.7	2.4	6.4	15.7	-1.9	26.2
0	-1000	57159.1	10.6	1.6	6.2	16.2	-1.0	25.3
12.5	-1000	57657.1	9.6	1.2	6.2	17.6	-0.8	25.5
25	-1000	57915.9	9.5	0.8	6.6	8.6	-6.4	18.1
37.5	-1000	56902.0	6.5	0.6	6.8	7.2	-7.6	18.2
50	-1000	57203.3	6.5	-0.4	6.4	17.0	0.0	25.9
62.5	-1000	57118.2	5.1	-1.4	6.6	18.1	5.6	25.7
75	-1000	57209.1	3.7	-2.4	7.0	19.8	5.4	26.3
87.5	-1000	57414.2	-0.7	-5.0	6.5	19.2	7.1	25.9
100	-1000	57470.6	-1.7	-4.8	6.4	19.8	7.4	26.1
112.5	-1000	57501.2	-2.7	-3.9	7.5	19.3	8.5	26.3
125	-1000	57047.6	-2.6	-4.1	7.3	20.5	9.2	24.5
137.5	-1000	57220.0	-4.6	-4.4	6.4	20.0	11.3	26.4
150	-1000	57121.1	-2.2	-2.8	6.8	17.7	10.0	26.2
162.5	-1000	56848.4	-3.5	-1.8	7.5	20.8	10.6	25.2
175	-1000	57017.1	-3.4	-2.0	7.6	19.4	14.6	24.3
187.5	-1000	56805.4	-5.4	-1.0	7.7	16.0	13.0	25.7
200	-1000	56816.6	-6.4	-0.9	7.8	17.3	9.9	27.4

212.5	-1000	56717.9	-8.7	-0.2	7.8	12.8	8.6	29.3
225	-1000	56635.9	-8.4	-0.3	8.5	13.8	8.0	26.8
line -1100								
-775	-1100	58104.4	-2.2	7.7	5.9	-25.4	-11.8	22.5
-762.5	-1100	57841.5	2.0	8.7	5.9	-17.4	-5.3	21.6
-750	-1100	57673.5	1.4	6.5	6.0	-15.0	-8.6	21.8
-737.5	-1100	57534.7	0.5	6.4	6.0	-13.6	-7.5	21.4
-725	-1100	57317.6	0.4	4.0	6.0	-10.0	-15.9	31.7
-712.5	-1100	57138.0	-0.2	3.1	6.0	-8.9	-14.9	31.3
-700	-1100	57037.7	-1.9	1.4	5.9	-8.2	-15.9	31.7
-687.5	-1100	57091.2	-1.0	1.6	5.8	-9.8	-20.2	29.8
-675	-1100	57345.0	-1.0	2.0	5.7	-10.4	-16.0	31.3
-662.5	-1100	57389.6	0.9	2.3	5.7	-7.8	-6.3	22.3
-650	-1100	57596.3	2.1	3.2	5.7	-3.3	-15.0	30.5
-637.5	-1100	57759.2	3.1	3.7	5.5	-5.2	-5.6	21.3
-625	-1100	57308.2	2.7	2.7	5.5	-5.2	-4.1	22.6
-612.5	-1100	57706.8	6.1	3.2	5.3	-0.9	-2.9	21.1
-600	-1100	58023.5	7.8	3.6	5.2	0.0	-4.0	21.5
-587.5	-1100	58263.6	8.2	3.3	5.1	0.4	-4.9	21.9
-575	-1100	58612.2	9.4	3.1	5.1	1.5	-2.9	21.7
-562.5	-1100	58427.8	10.8	4.4	5.1	4.0	-2.8	22.7
-550	-1100	58396.5	10.5	4.7	5.1	5.0	-3.4	20.9
-537.5	-1100	57986.9	10.7	5.1	5.0	5.2	-2.2	20.8
-525	-1100	57719.3	11.6	5.2	5.0	5.1	-1.5	21.5
-512.5	-1100	57733.0	12.3	5.2	4.9	8.9	6.0	30.6
-500	-1100	57894.7	12.2	5.0	4.9	12.1	6.7	27.8
-487.5	-1100	57280.8	13.4	4.1	4.8	10.3	1.4	20.5
-475	-1100	57211.7	13.3	4.4	4.8	10.8	-0.3	20.4
-462.5	-1100	57170.6	11.6	1.0	4.7	12.0	1.7	20.1
-450	-1100	57222.0	12.6	0.2	4.7	12.8	1.9	19.6
-437.5	-1100	57201.9	12.0	0.6	4.7	11.8	-0.2	19.6
-425	-1100	57267.4	12.7	0.8	4.7	11.2	-0.7	19.2
-412.5	-1100	57397.5	12.2	0.5	4.7	11.1	-3.2	18.9
-400	-1100	57530.4	12.2	-1.1	4.6	13.0	0.3	19.7
-387.5	-1100	57553.2	11.8	-0.3	4.6	11.2	-2.1	19.9
-375	-1100	57526.3	12.0	-0.4	4.6	11.5	-2.9	19.3
-362.5	-1100	57527.4	10.4	-1.0	4.7	11.9	-2.5	18.8
-350	-1100	57557.1	11.1	-2.3	4.6	11.4	-3.5	19.4
-337.5	-1100	57701.9	11.2	-1.7	4.7	12.9	-1.9	19.5
-325	-1100	57853.6	10.8	-1.8	4.7	14.8	-1.7	19.2
-312.5	-1100	57656.1	9.9	-3.2	4.7	12.7	-1.5	19.1
-300	-1100	57671.8	9.8	-3.0	4.7	12.7	-1.4	19.0
-287.5	-1100	57652.6	9.5	-3.2	4.8	12.3	-2.6	18.8
-275	-1100	57508.3	9.7	-3.8	4.8	11.1	-4.3	18.4
-262.5	-1100	57416.9	9.1	-3.5	4.8	9.3	-4.0	18.6
-250	-1100	57291.6	8.7	-3.4	4.9	8.5	-3.9	18.4
-237.5	-1100	57242.9	10.2	-3.8	4.9	7.9	-4.1	19.1
-225	-1100	57128.8	10.3	-3.4	4.9	7.4	-3.5	19.5
-212.5	-1100	57150.8	9.1	-3.8	5.0	9.5	-3.8	19.5
-200	-1100	57130.8	8.8	-4.5	4.9	7.8	-2.4	21.5
-187.5	-1100	57093.1	9.1	-4.8	5.1	9.9	-3.4	18.9
-175	-1100	57397.2	11.7	-3.3	5.0	18.4	4.9	28.8
-162.5	-1100	56854.2	11.5	-3.8	5.1	13.5	-1.0	19.6
-150	-1100	56801.8	11.5	-3.4	5.0	13.8	-0.9	19.3
-137.5	-1100	56816.9	13.3	-3.2	5.2	15.7	-2.8	19.4
-125	-1100	56837.7	14.0	-1.6	5.2	16.6	-2.4	18.7
-112.5	-1100	57024.0	15.6	-1.5	5.2	24.5	7.6	28.0
-100	-1100	57210.3	17.6	-0.2	5.2	17.6	-2.0	20.2
-87.5	-1100	57178.3	17.5	0.9	5.4	17.4	-3.7	19.5
-75	-1100	56760.1	17.6	1.5	5.5	26.8	8.1	26.8

-62.5	-1100	56895.9	14.7	0.0	5.6	22.1	1.9	26.9
-50	-1100	57014.7	11.8	-2.9	5.6	23.1	4.2	25.8
-37.5	-1100	57108.1	9.4	-4.2	5.6	16.2	-3.0	18.7
-25	-1100	57515.5	8.0	-3.6	5.6	22.3	4.5	27.5
-12.5	-1100	57007.0	6.3	-4.7	5.5	19.8	2.8	28.1
0	-1100	57112.6	2.7	-7.2	5.5	19.7	4.7	27.8
12.5	-1100	57104.0	1.7	-7.3	5.5	20.2	6.0	26.9
25	-1100	57279.0	0.2	-6.7	5.6	21.2	5.1	26.8
37.5	-1100	57112.5	-1.7	-7.9	5.4	19.5	8.2	29.0
50	-1100	57397.9	-1.6	-8.4	5.6	16.5	-0.9	19.8
62.5	-1100	57156.6	-2.4	-8.7	5.4	22.6	13.2	28.2
75	-1100	57316.0	-3.6	-8.4	5.4	25.2	14.3	27.3
87.5	-1100	57246.3	-4.8	-8.3	5.2	25.5	16.1	27.8
100	-1100	57122.1	-4.9	-8.1	5.3	26.2	18.2	28.0
112.5	-1100	57286.6	-5.9	-7.9	5.3	27.3	20.9	27.9
125	-1100	57175.1	-6.3	-8.3	5.2	26.9	19.1	27.6
137.5	-1100	57248.6	-6.6	-10.0	5.1	27.6	16.7	27.7
150	-1100	57595.6	-6.4	-8.7	5.1	28.4	16.6	27.3
162.5	-1100	57141.5	-6.9	-7.2	5.1	27.9	17.3	27.2
175	-1100	57387.6	-7.9	-7.9	5.1	29.7	18.3	26.5



Scale 1:5000

50 0 50 100 150 200 250 (metres)

LEGEND

Magnetic Field Strength

1 cm. = 500 nT

Magnetic Field Datum Level = 57900 nT

LOGICAL BRANCH

Part 2 of 3

21,987

WATERFORD RESOURCES INC.

Total Field Magnetic Profiles

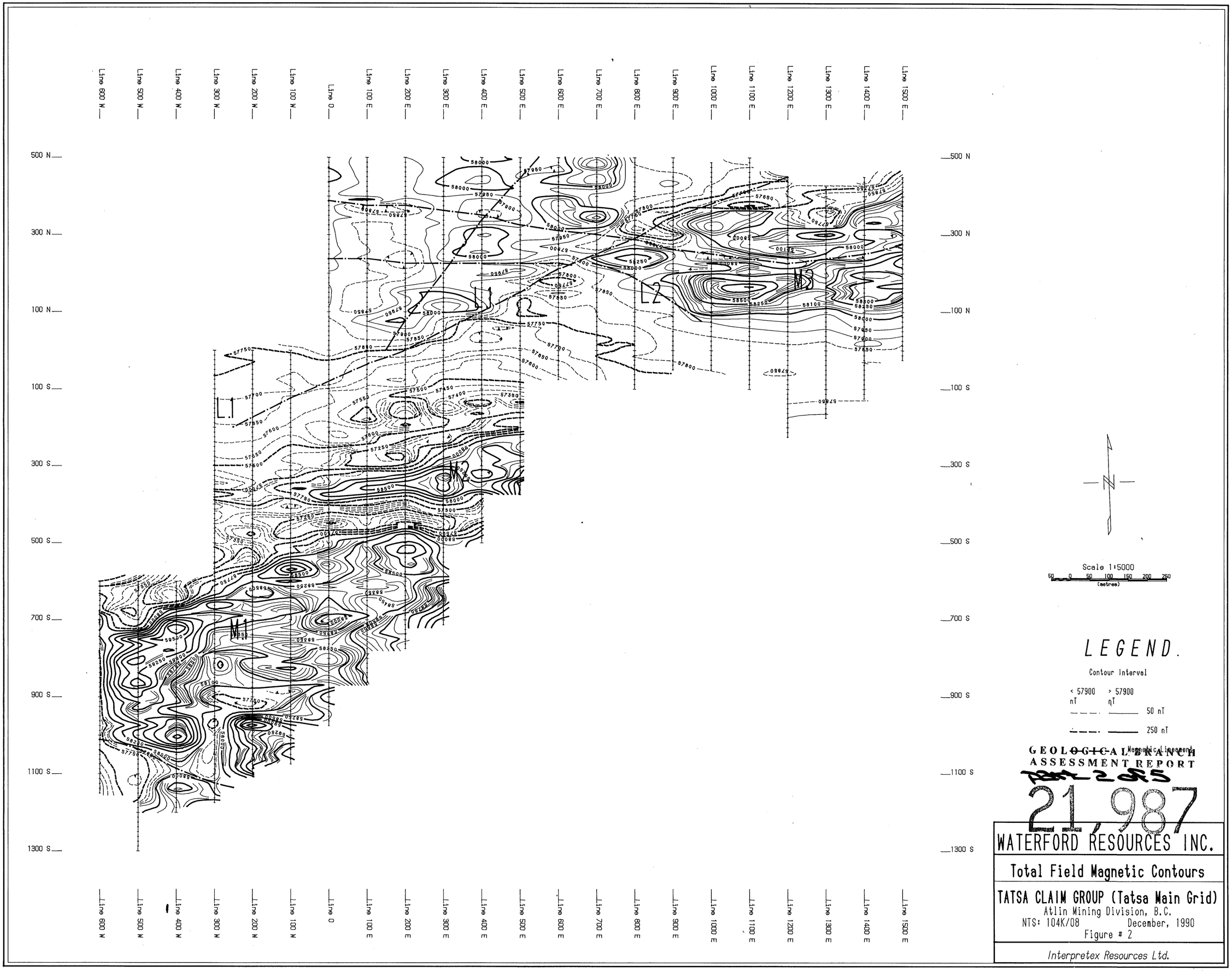
TATSA CLAIM GROUP (Tatsa Main Grid)

Atlin Mining Division, B.C.

NTS: 104K/08 December, 1990

Figure # 1

Interpretex Resources Ltd.



GEOLOGICAL BRANCH
ASSESSMENT REPORT

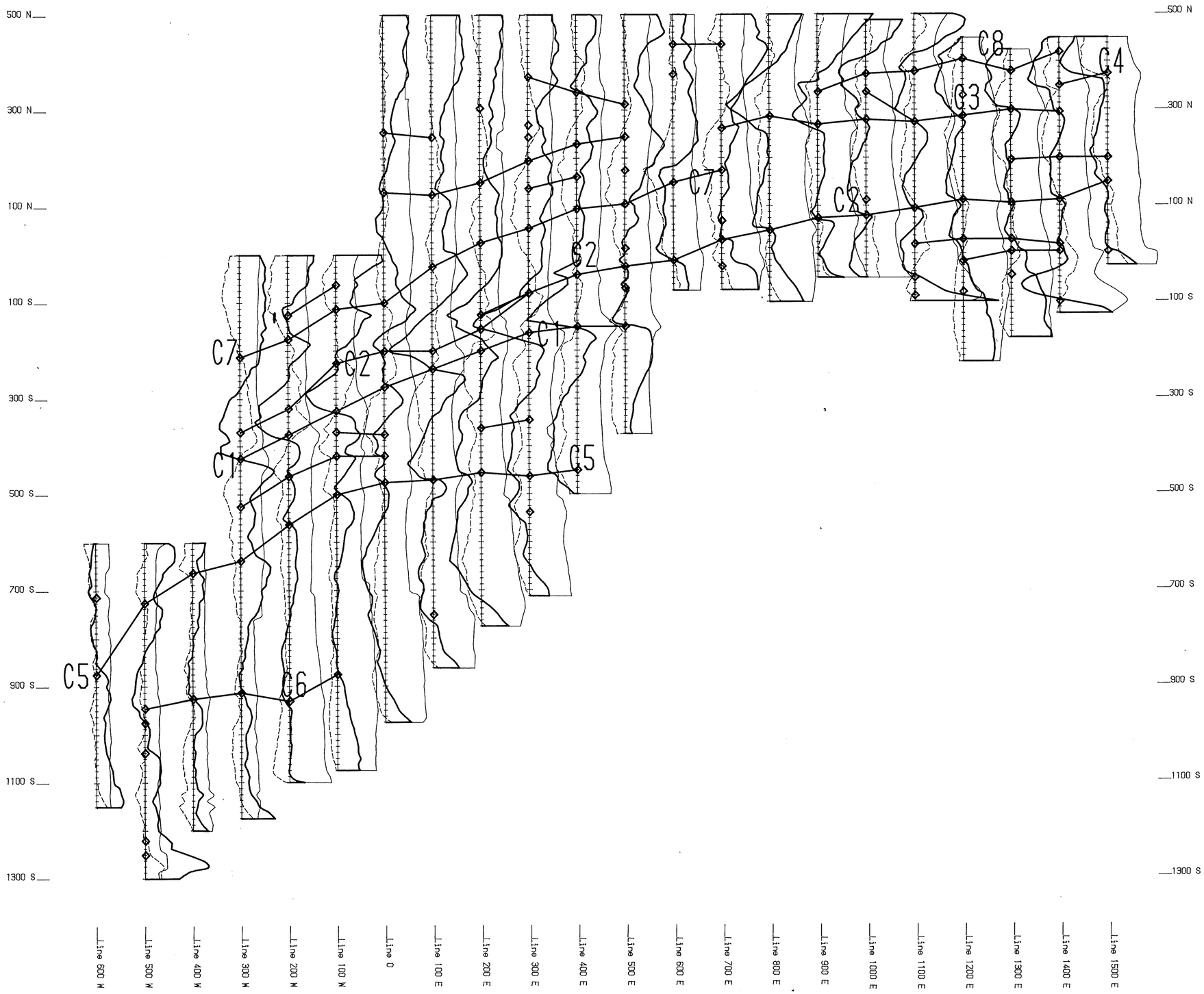
21,987

WATERFORD RESOURCES INC.

Total Field Magnetic Contours

TATSA CLAIM GROUP (Tatsa Main Grid)
Atlin Mining Division, B.C.
NTS: 104K/08 December, 1990
Figure # 2

Interpretex Resources Ltd.



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

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,987

WATERFORD RESOURCES INC.

VLF-EM Profiles

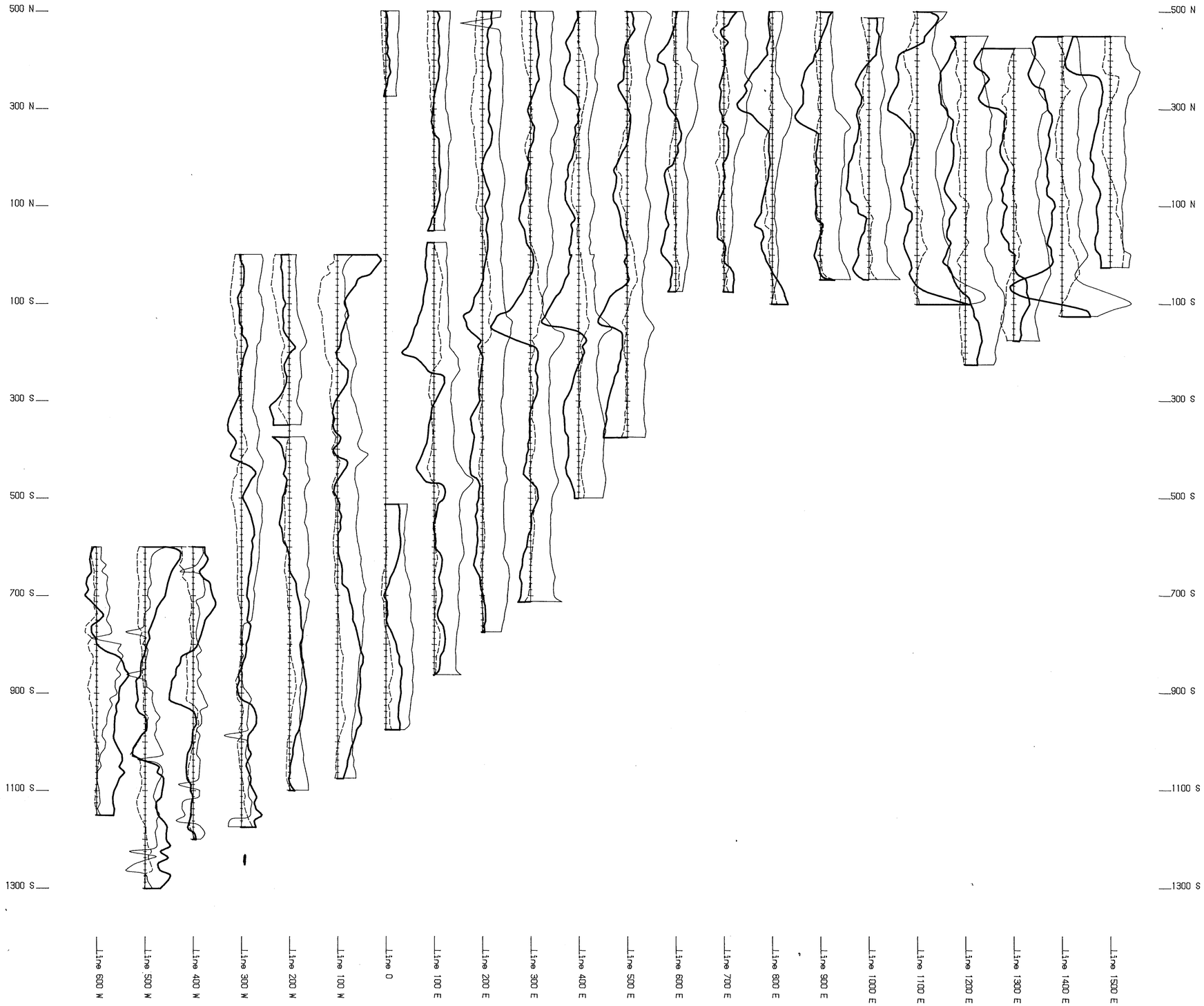
TATSA CLAIM GROUP (Tatsa Main Grid)

Atlin Mining Division, B.C.

NTS: 104K/08 December, 1990

Figure # 3

Interpretex Resources Ltd.



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

Field Strength — 1 cm. = 10 units

VLF-EM Conductor

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,787

WATERFORD RESOURCES INC.

VLF-EM Profiles

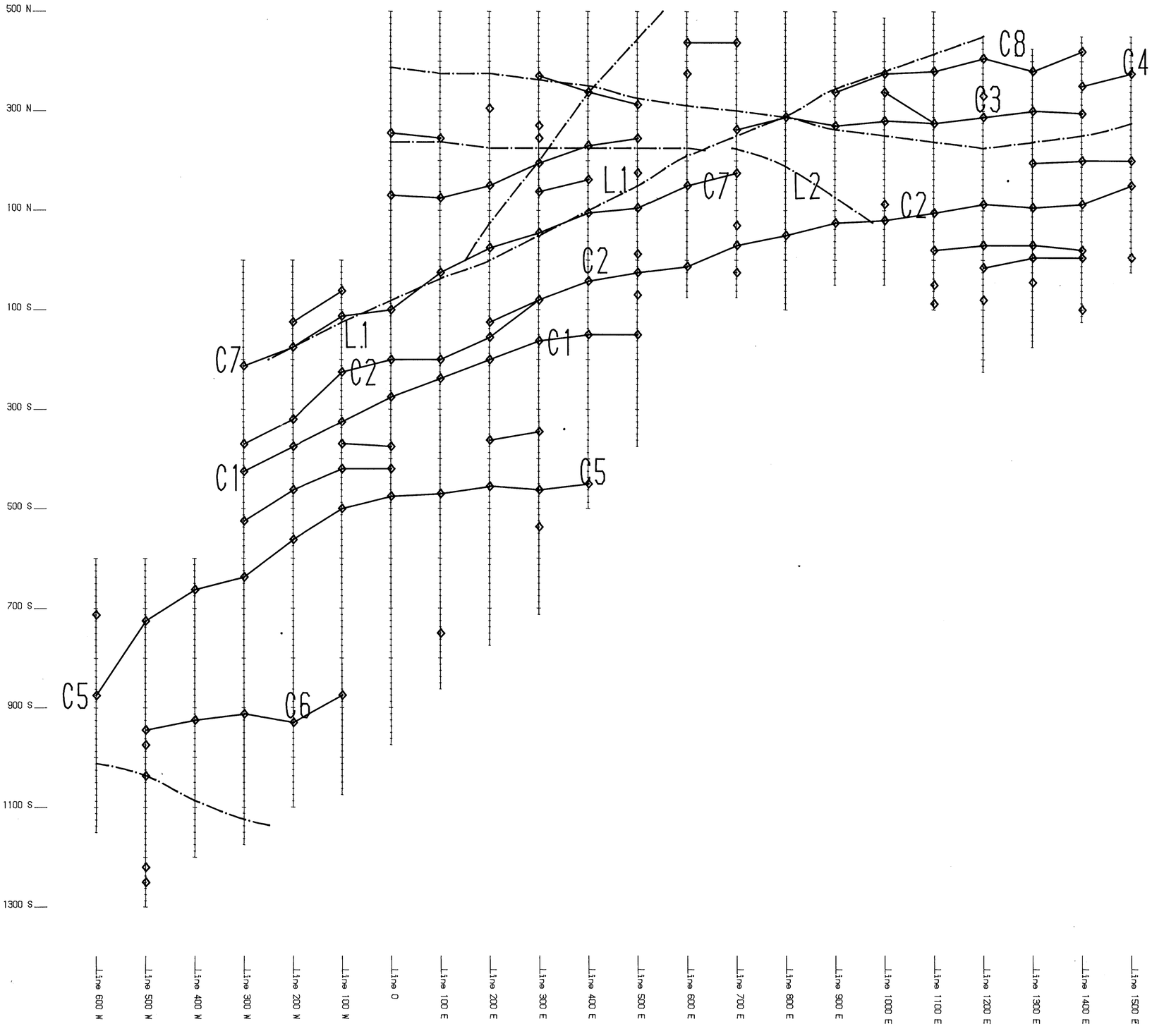
TATSA CLAIM GROUP (Tatsa Main Grid)

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

21,987

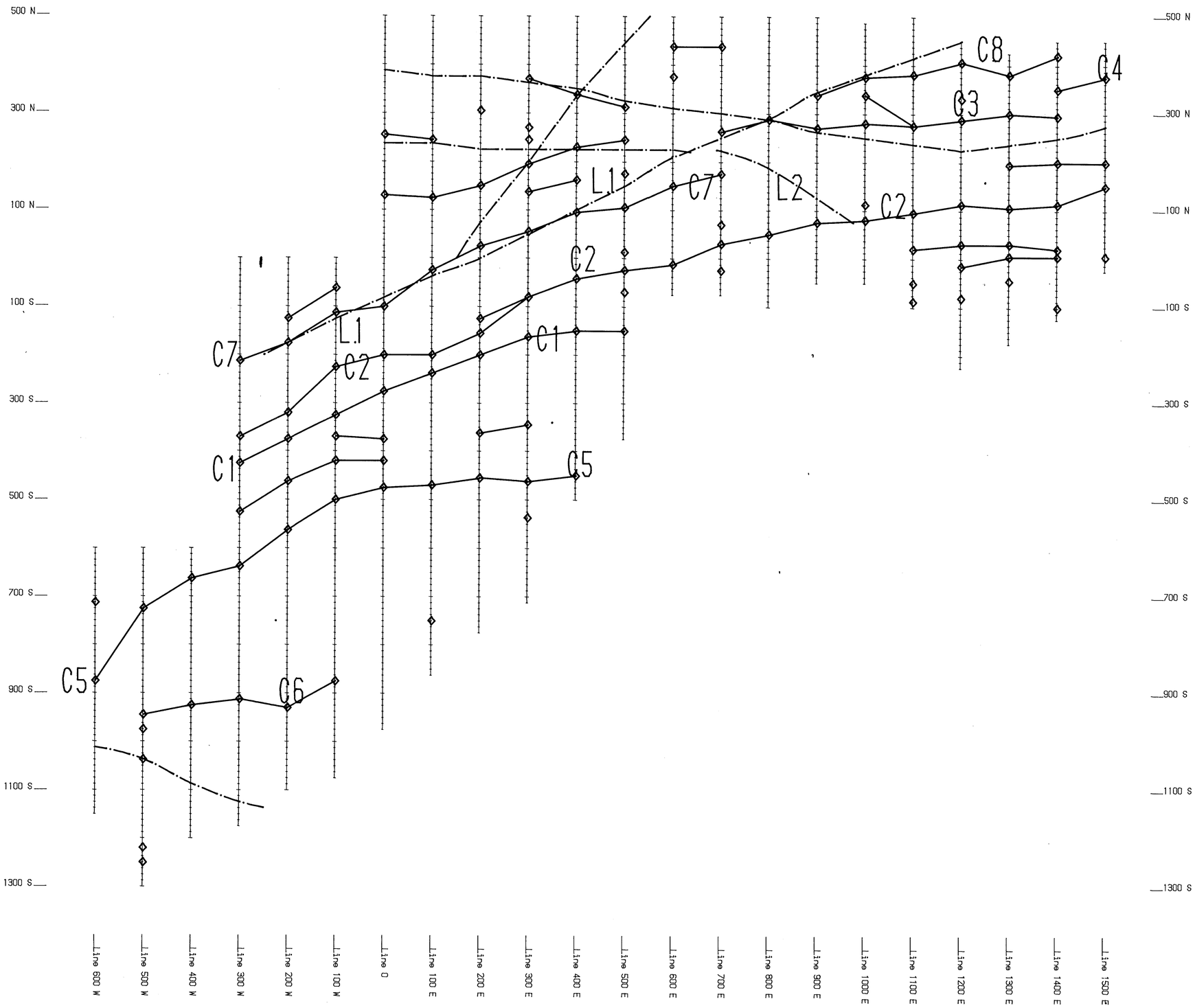
WATERFORD RESOURCES INC.

Geophysical Interpretation Map

TATSA CLAIM GROUP (Tatsa Main Grid)

Atlin Mining Division, B.C.
NTS: 104K/08 December, 1990
Figure # 9

Interpretex Resources Ltd.



Scale 1:5000

50 0 50 100 150 200 250

(metres)

LEGEND

Magnetic Lineament

VLF-EM Conductor

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,987

WATERFORD RESOURCES INC.

Geophysical Interpretation Map

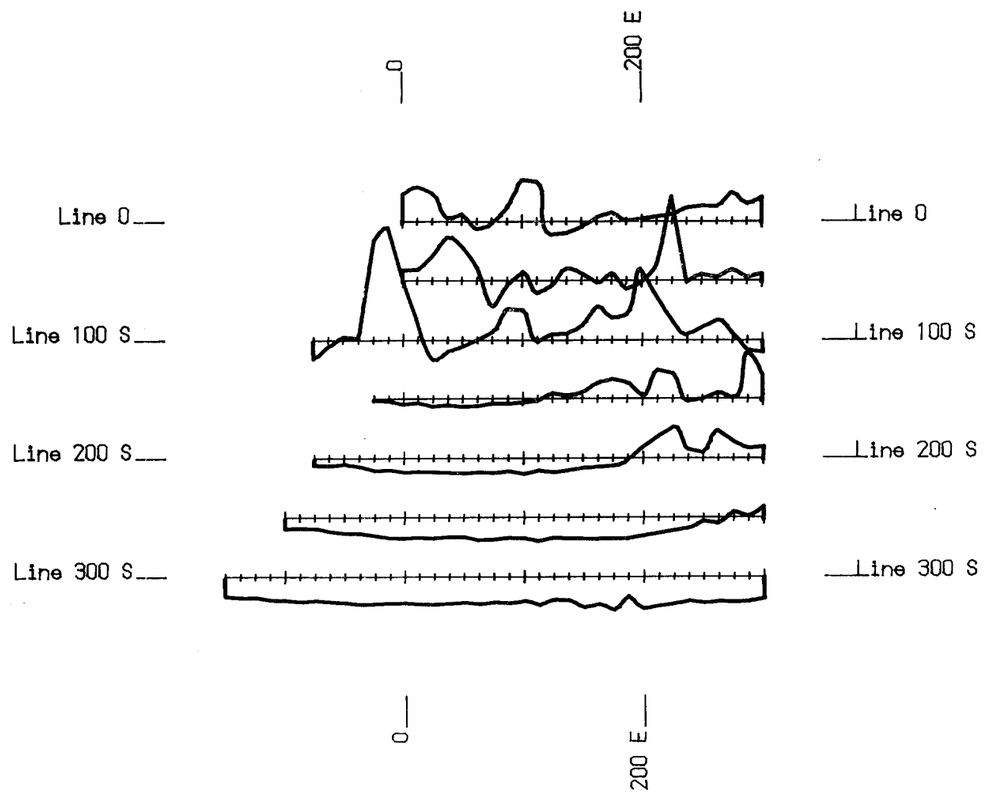
TATSA CLAIM GROUP (Tatsa Main Grid)

Atlin Mining Division, B.C.

NTS: 104K/08 December, 1990

Figure # 9

Interpretex Resources Ltd.



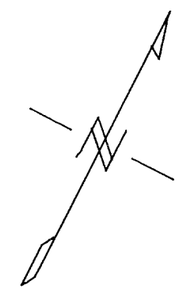
LEGEND

Magnetic Field Strength

1 cm. = 200 nT

Magnetic Field Datum Level = 57900 nT

GEOLOGICAL BRANCH
ASSESSMENT REPORT
21,881



Scale 1:5000

50 0 50 100 150 200 250
(metres)

WATERFORD RESOURCES INC.

Total Field Magnetic Profiles

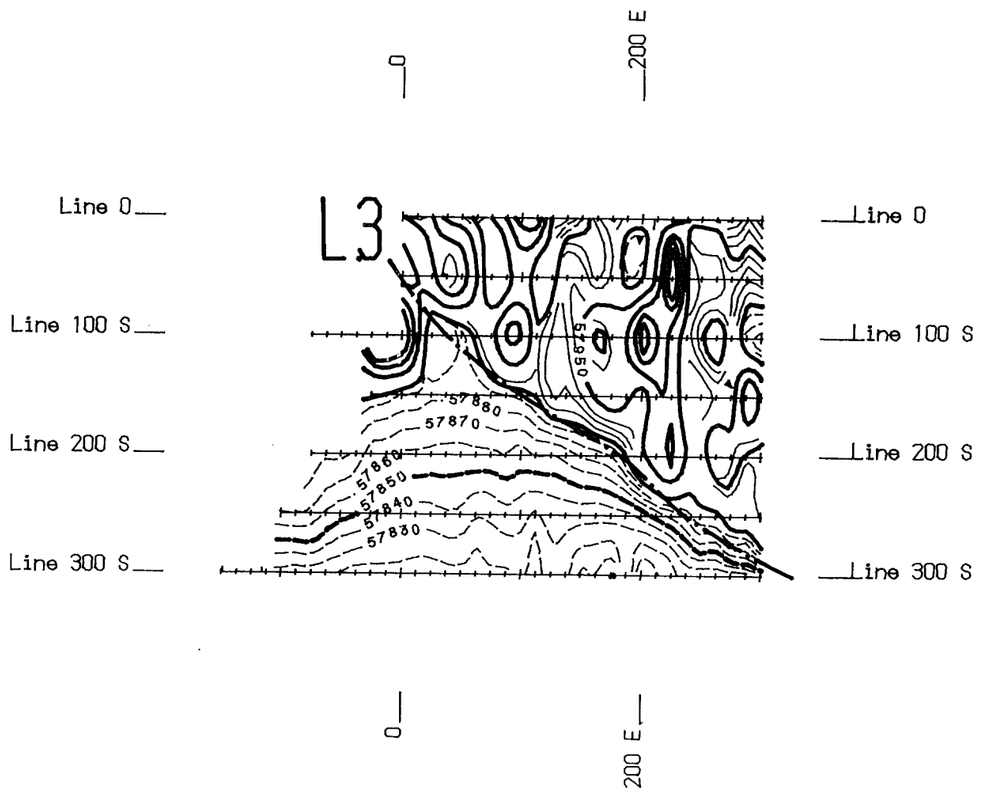
TATSA CLAIM GROUP (K2 Grid)

Atlin Mining Division, B.C.

NTS: 104K/08 December, 1990

Figure # 5

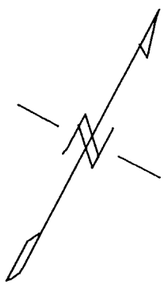
Interpretex Resources Ltd.



LEGEND

Contour Interval

< 57900 nT	> 57900 nT	
— — —	———	10 nT
— — —	— — —	50 nT
—·—		Magnetic Lineament



Scale 1:5000

50 0 50 100 150 200 250

(metres)

ASSESSMENT REPORT

21,987

WATERFORD RESOURCES INC.

Total Field Magnetic Contours

TATSA CLAIM GROUP (K2 Grid)

Atlin Mining Division, B.C.

NTS: 104K/08 December, 1990

Figure # 6

Interpretex Resources Ltd.

GEOLOGICAL BRANCH
ASSESSMENT REPORT
21,987

LEGEND

NSS, Annapolis, Maryland

Anomalous Inflection (In-Phase)

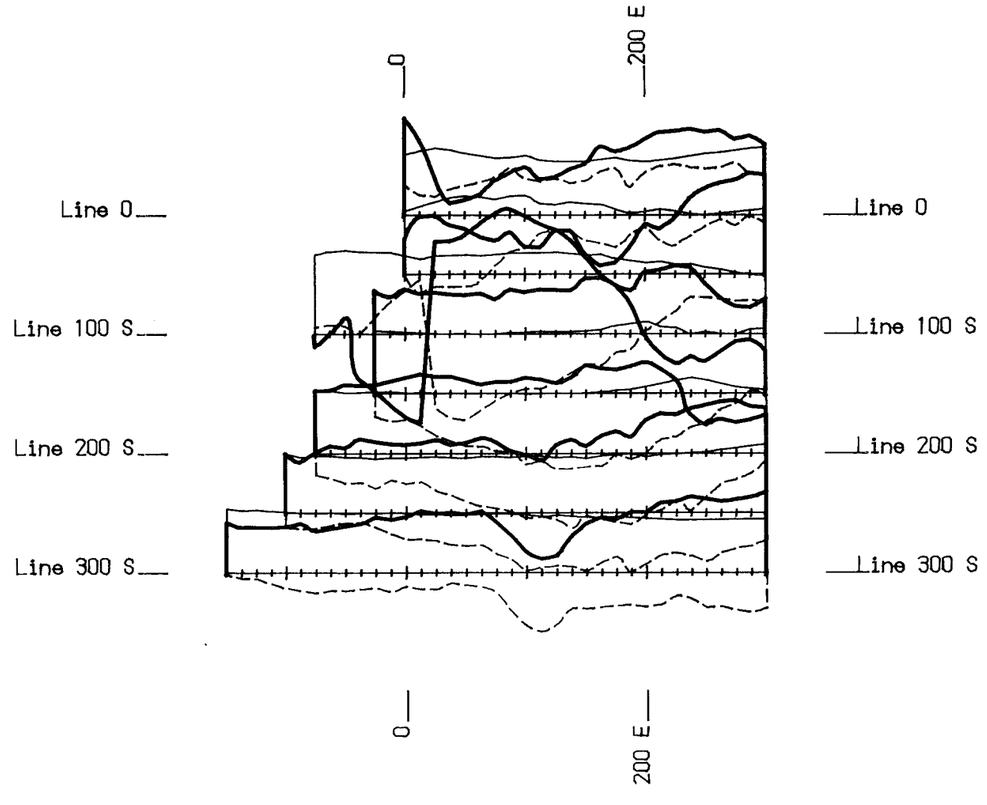
In-Phase

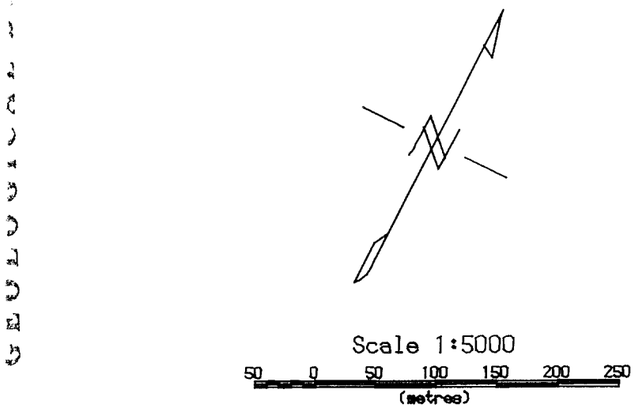
Quadrature

} 1 cm. = 20 %

Field Strength 1 cm. = 5 units

VLF-EM Conductor





Scale 1:5000

50 0 50 100 150 200 250
(metres)

WATERFORD RESOURCES INC.

VLF-EM Profiles

TATSA CLAIM GROUP (K2 Grid)

Atlin Mining Division, B.C.

NTS: 104K/08 December, 1990

Figure # 7

Interpretex Resources Ltd.

GEOLOGICAL BRANCH
ASSESSMENT REPORT
21,987

LEGEND
NLK, Seattle, Washington

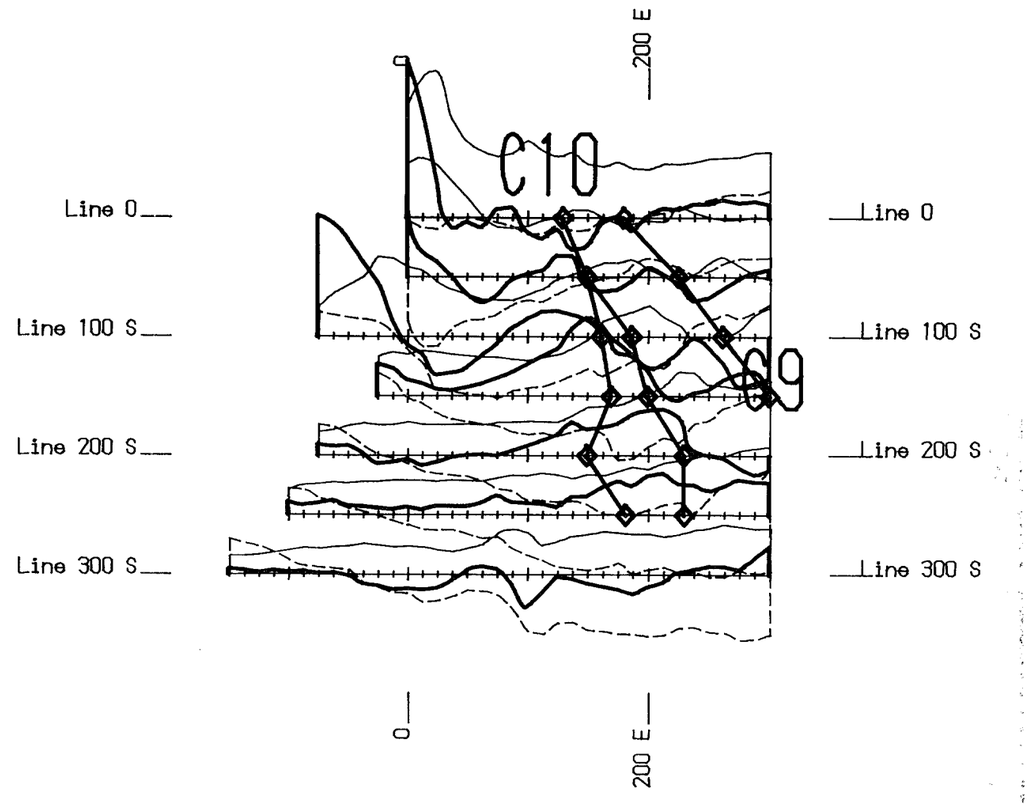
Anomalous Inflection (In-Phase)

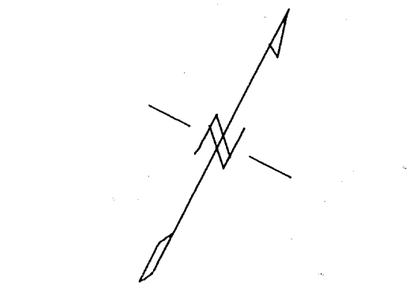
In-Phase } 1 cm. = 20 %

Quadrature

Field Strength 1 cm. = 10 units

VLF-EM Conductor





Scale 1:5000

50 0 50 100 150 200 250
(metres)

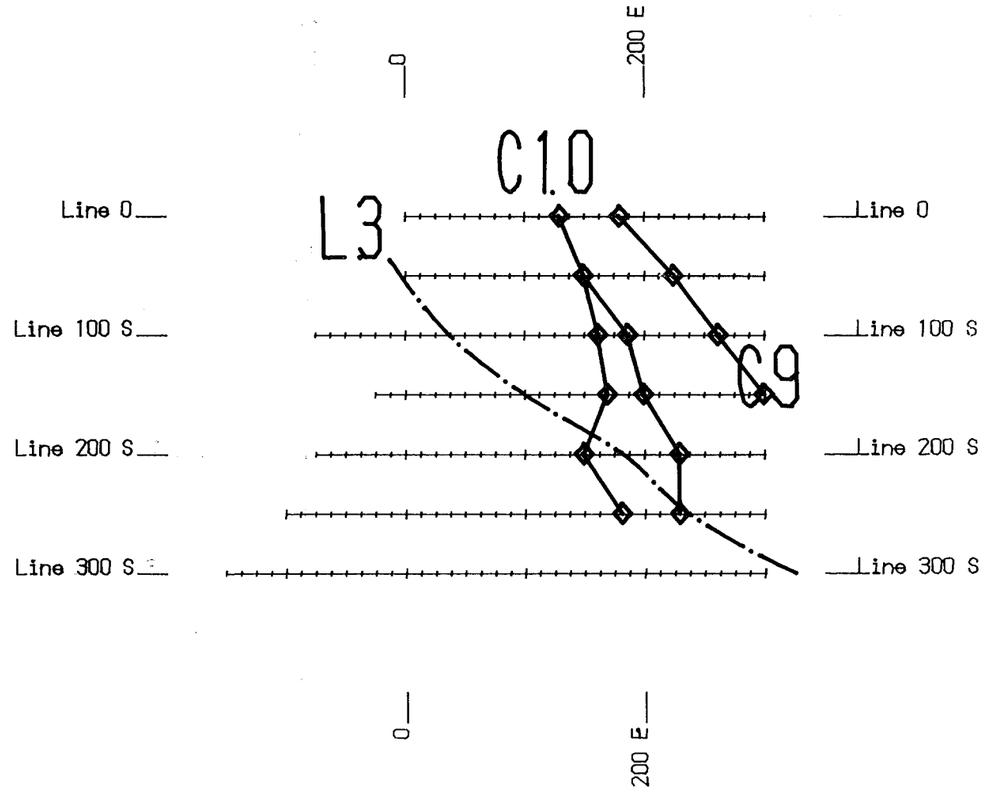
WATERFORD RESOURCES INC.

VLF-EM Profiles

TATSA CLAIM GROUP (K2 Grid)

Atlin Mining Division, B.C.
NTS: 104K/08 December, 1990
Figure # 8

Interpretex Resources Ltd.



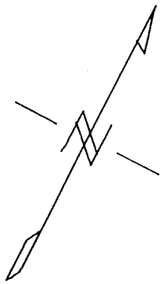
LEGEND

Magnetic Lineament

VLF-EM Conductor

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,551



Scale 1:5000

50 0 50 100 150 200 250
(metres)

WATERFORD RESOURCES INC.

Geophysical Interpretation Map

TATSA CLAIM GROUP (K2 Grid)

Atlin Mining Division, B.C.
NTS: 104K/08 December, 1990
Figure # 10

Interpretex Resources Ltd.

GEOLOGICAL BRANCH
ASSESSMENT REPORT
Part 2 of 5
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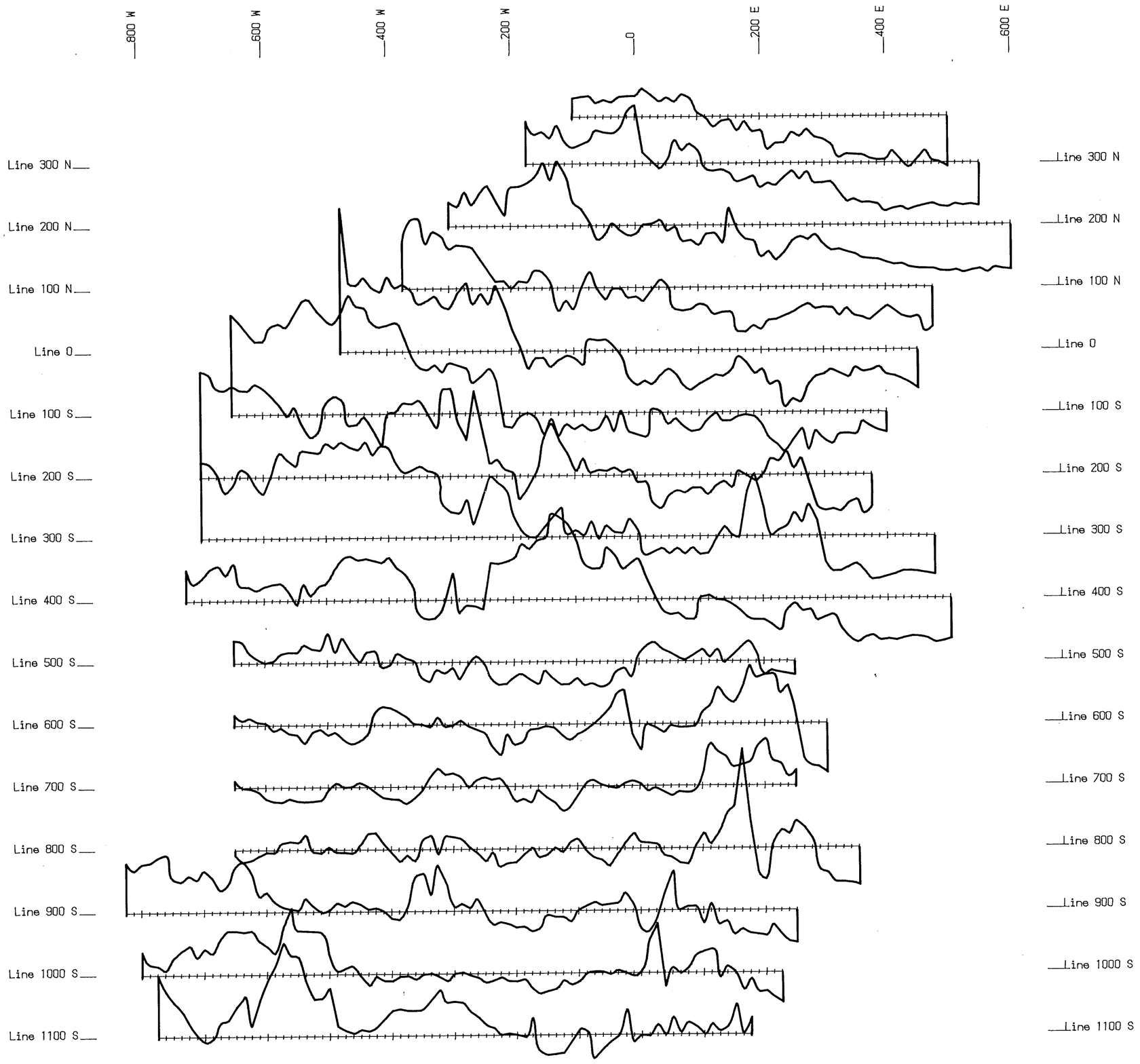


LEGEND

Magnetic Field Strength

1 cm. = 500 nT

Magnetic Field Datum Level = 57100 nT

Scale 1:5000

50 0 50 100 150 200 250
(metres)

WATERFORD RESOURCES INC.

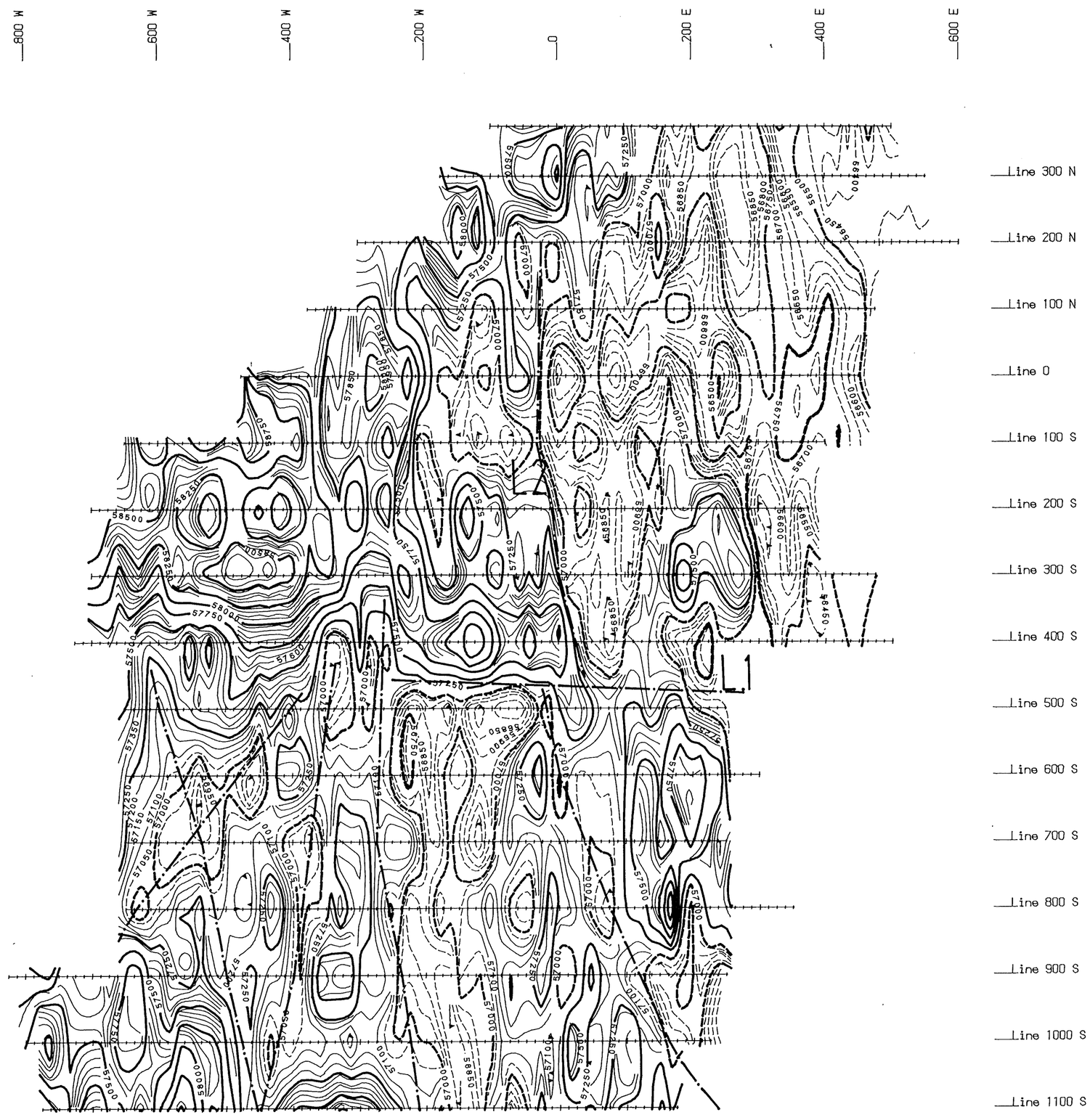
Total Field Magnetic Profiles

BING CLAIM GROUP (Bing Grid)

Atlin Mining Division, B.C.
NTS: 104K/08 December, 1990
Figure # 1

Interpretex Resources Ltd.

GEOLOGICAL BRANCH
ASSESSMENT REPORT
21,987



LEGEND

Contour Interval

< 57100 nT	> 57100 nT	
- - - -	———	50 nT
— — —	———	250 nT
—·—·—		Magnetic Lineament

Scale 1:5000

50 0 50 100 150 200 250
(metres)

WATERFORD RESOURCES INC.

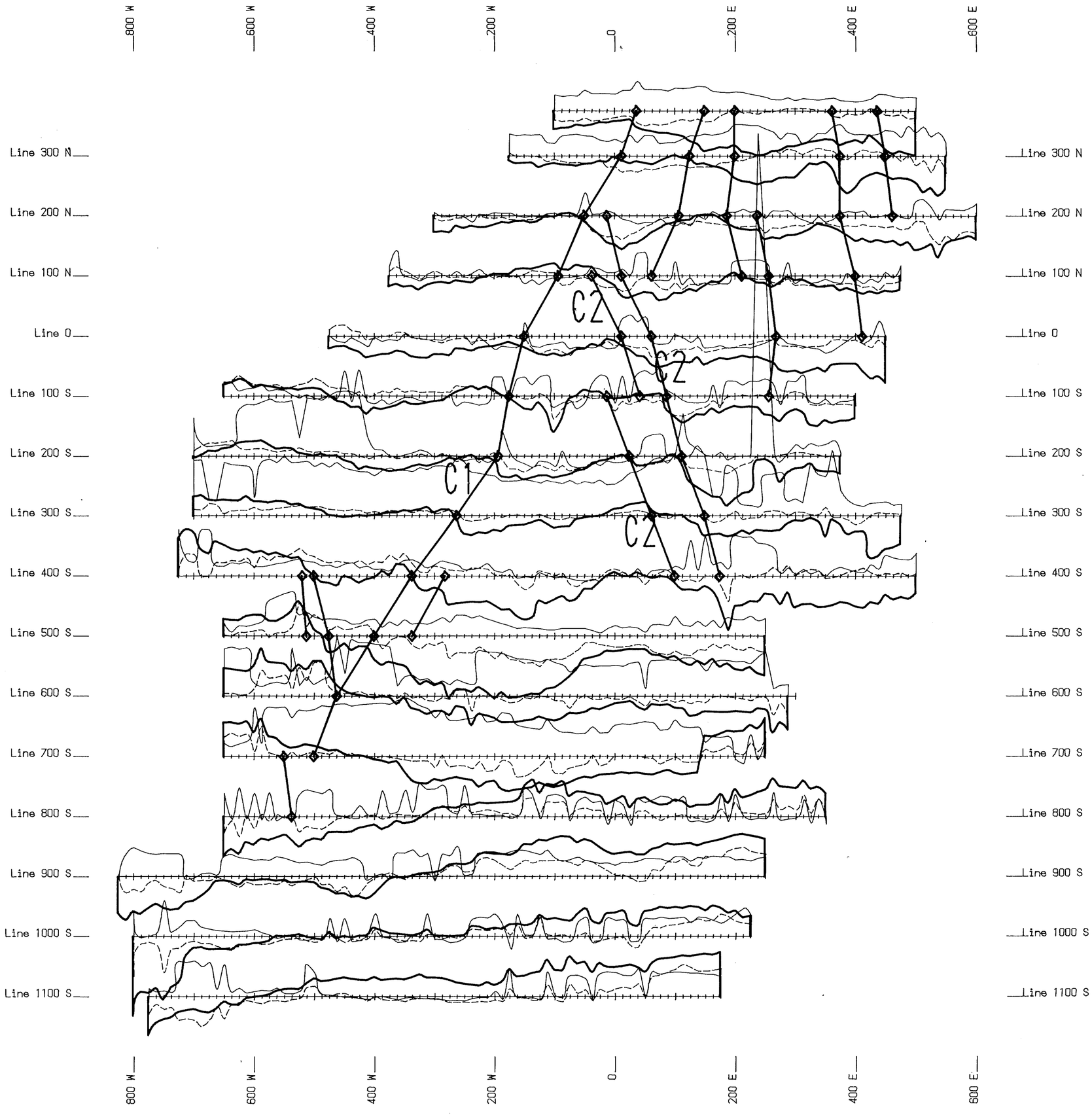
Total Field Magnetic Contours

BING CLAIM GROUP (Bing Grid)

Atlin Mining Division, B.C.
NTS: 104K/08 December, 1990
Figure # 2

Interpretex Resources Ltd.

GEOLOGICAL BRANCH
ASSESSMENT REPORT
21,987



LEGEND

NLK, Seattle, Washington

- Anomalous Inflection (In-Phase)
- In-Phase
- Quadrature
- Field Strength
- VLF-EM Conductor

} 1 cm. = 20 %

1 cm. = 10 units

Scale 1:5000

50 0 50 100 150 200 250 (metres)

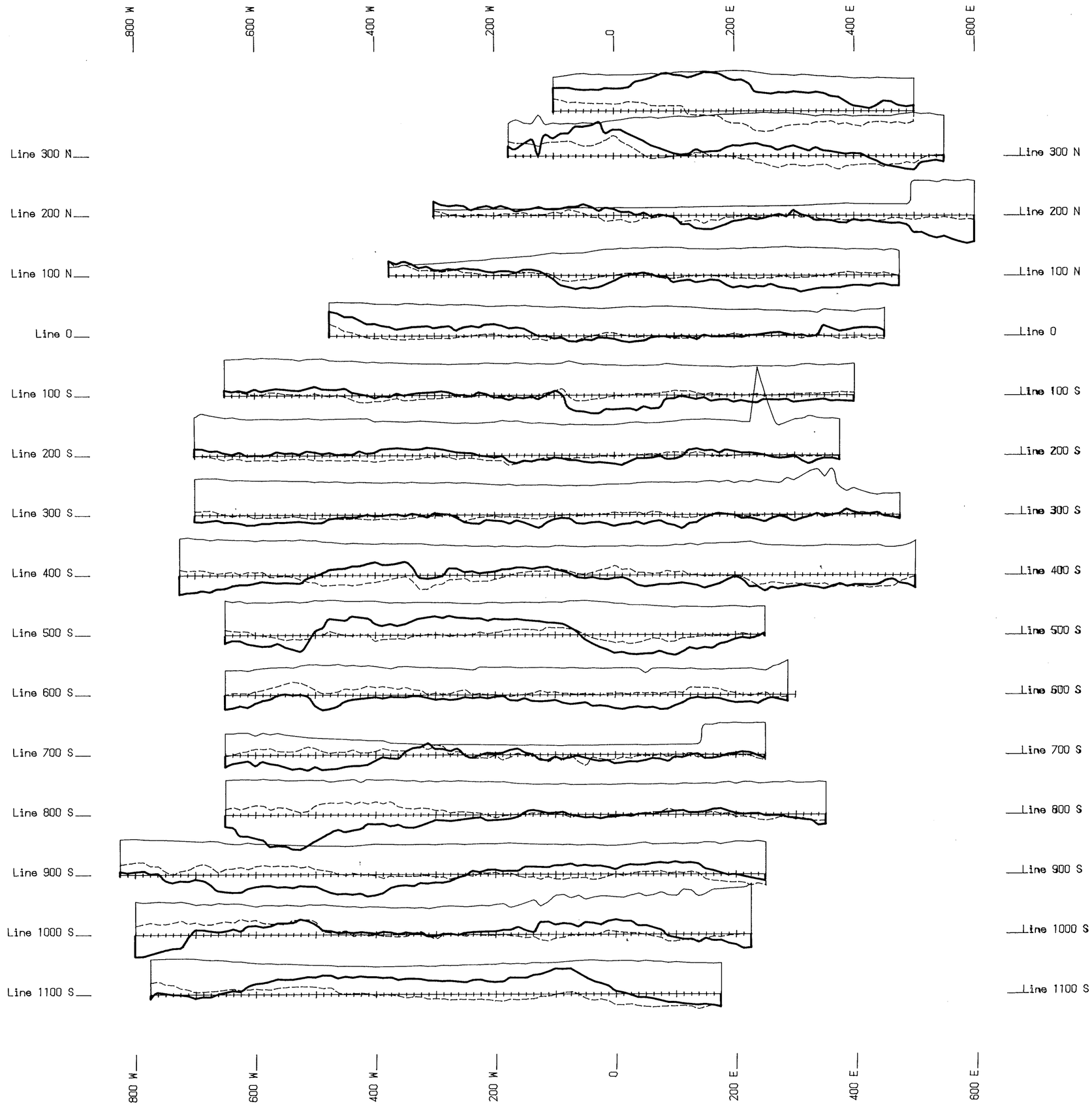
WATERFORD RESOURCES INC.

VLF-EM Profiles

BING CLAIM GROUP (Bing Grid)
Atlin Mining Division, B.C.
NTS: 104K/08 December, 1990
Figure # 3

Interpretex Resources Ltd.

GEOLOGICAL BRANCH
ASSESSMENT REPORT
Part 2 of 2
21,987



LEGEND

NSS, Annapolis, Maryland

Anomalous Inflection (In-Phase)

In-Phase } 1 cm. = 20 %

Quadrature

Field Strength 1 cm. = 5 units

VLF-EM Conductor

Scale 1:5000

50 0 50 100 150 200 250 (metres)

WATERFORD RESOURCES INC.

VLF-EM Profiles

BING CLAIM GROUP (Bing Grid)

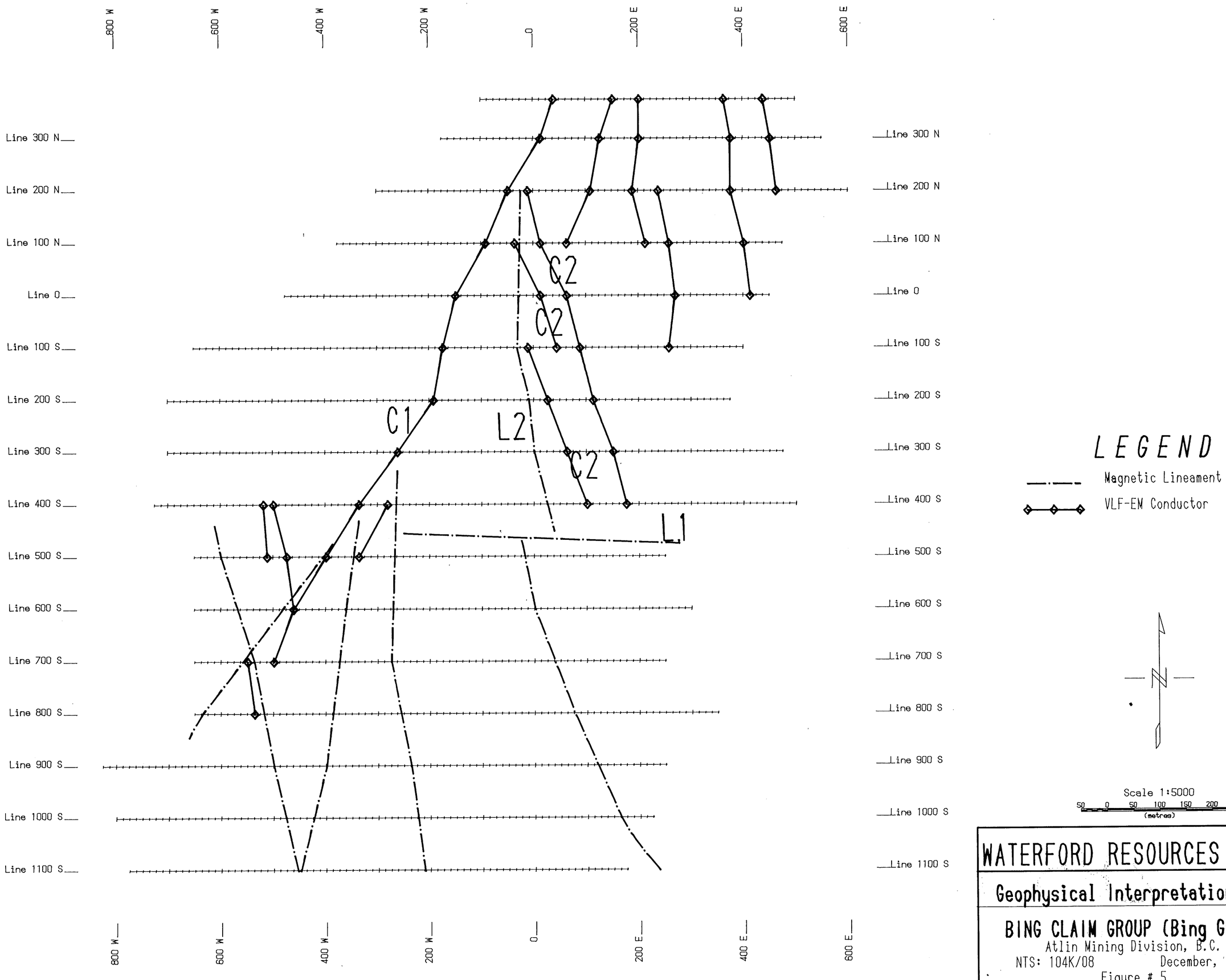
Atlin Mining Division, B.C.

NTS: 104K/08 December, 1990

Figure # 4

Interpretex Resources Ltd.

GEOLOGICAL BRANCH
ASSESSMENT REPORT
Part 2 of 5
21,987



LEGEND

Magnetic Lineament

VLF-EM Conductor

Scale 1:5000

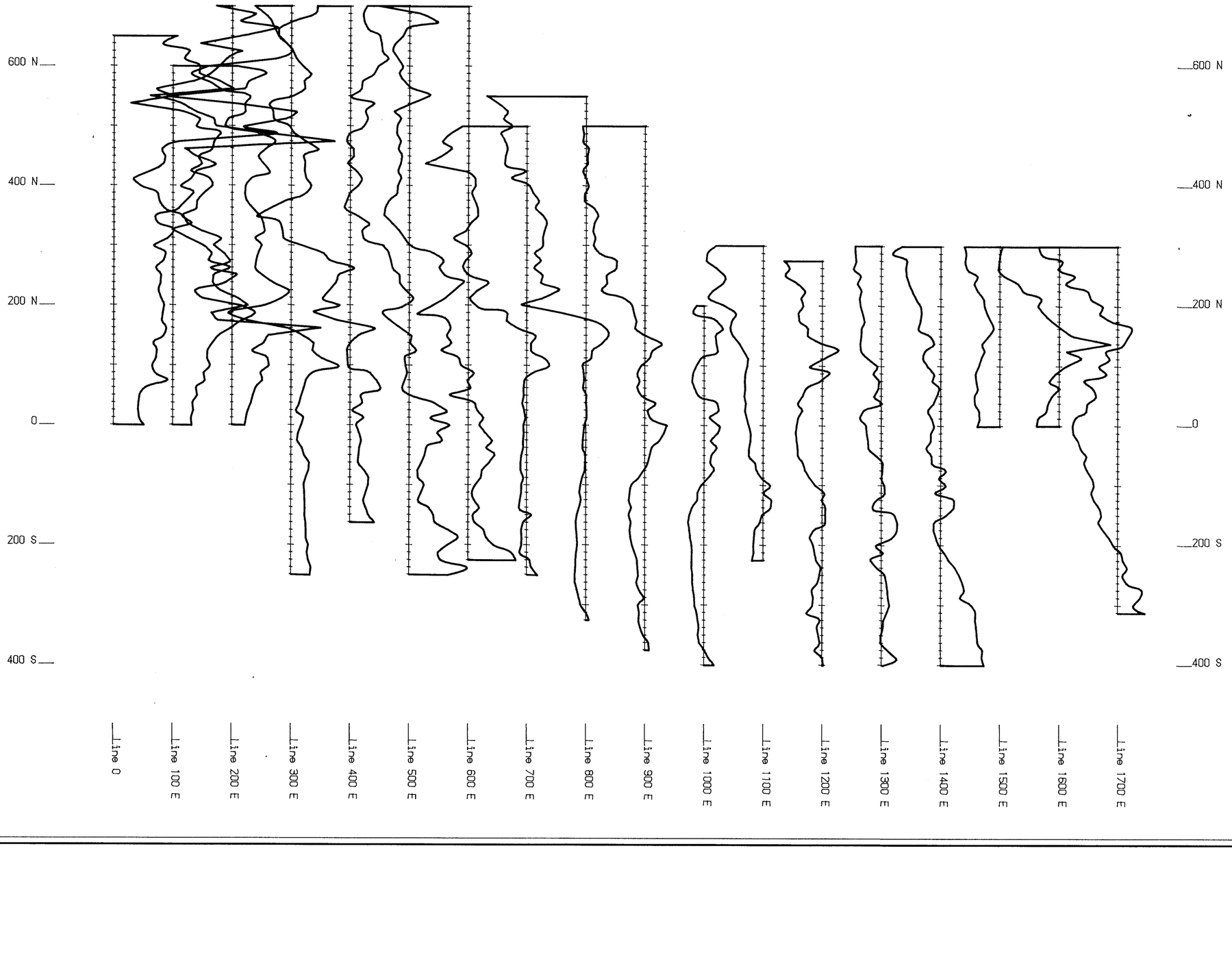
50 0 50 100 150 200 250
(metres)

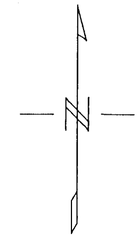
WATERFORD RESOURCES INC.

Geophysical Interpretation Map

BING CLAIM GROUP (Bing Grid)
Atlin Mining Division, B.C.
NTS: 104K/08 December, 1990
Figure # 5

Interpretex Resources Ltd.





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

Part 2 of 5

21,987

WATERFORD RESOURCES INC.

Total Field Magnetic Profiles

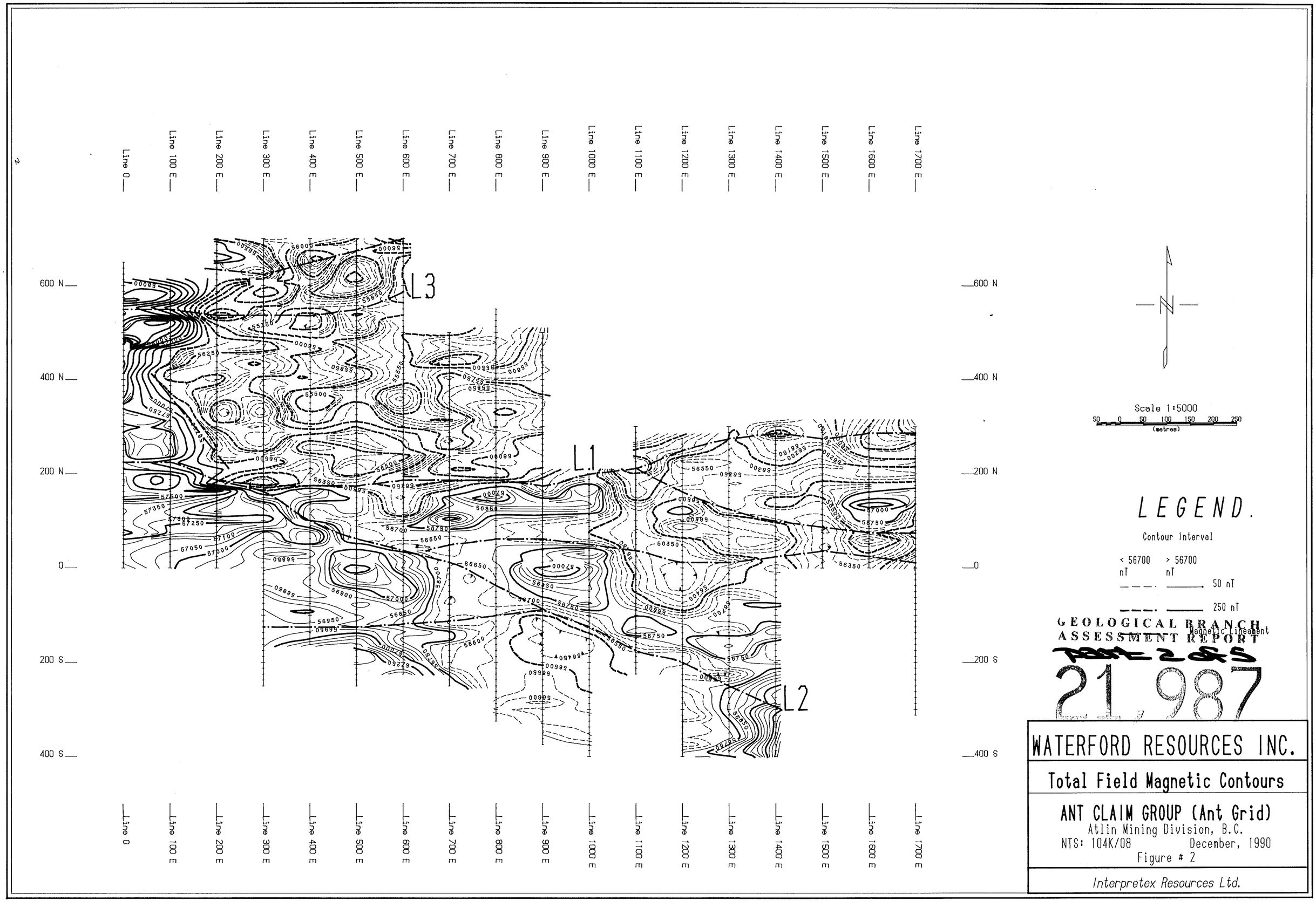
ANT CLAIM GROUP (Ant Grid)

Atlin Mining Division, B.C.

NTS: 104K/08 December, 1990

Figure # 1

Interpretex Resources Ltd.



GEOLOGICAL BRANCH
ASSESSMENT REPORT

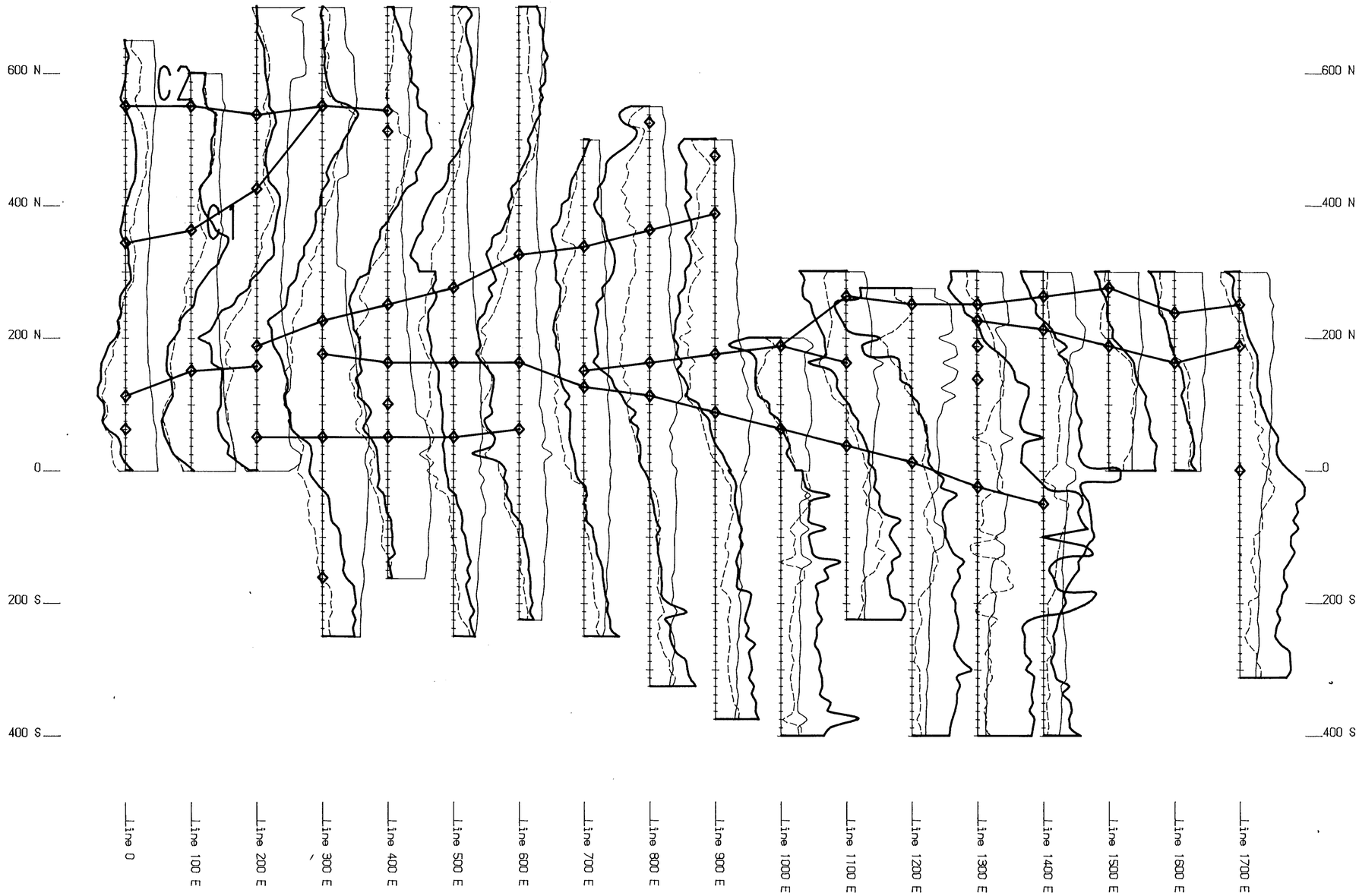
21,987

WATERFORD RESOURCES INC.

Total Field Magnetic Contours

ANT CLAIM GROUP (Ant Grid)
Atlin Mining Division, B.C.
NTS: 104K/08 December, 1990
Figure # 2

Interpretex Resources Ltd.



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)

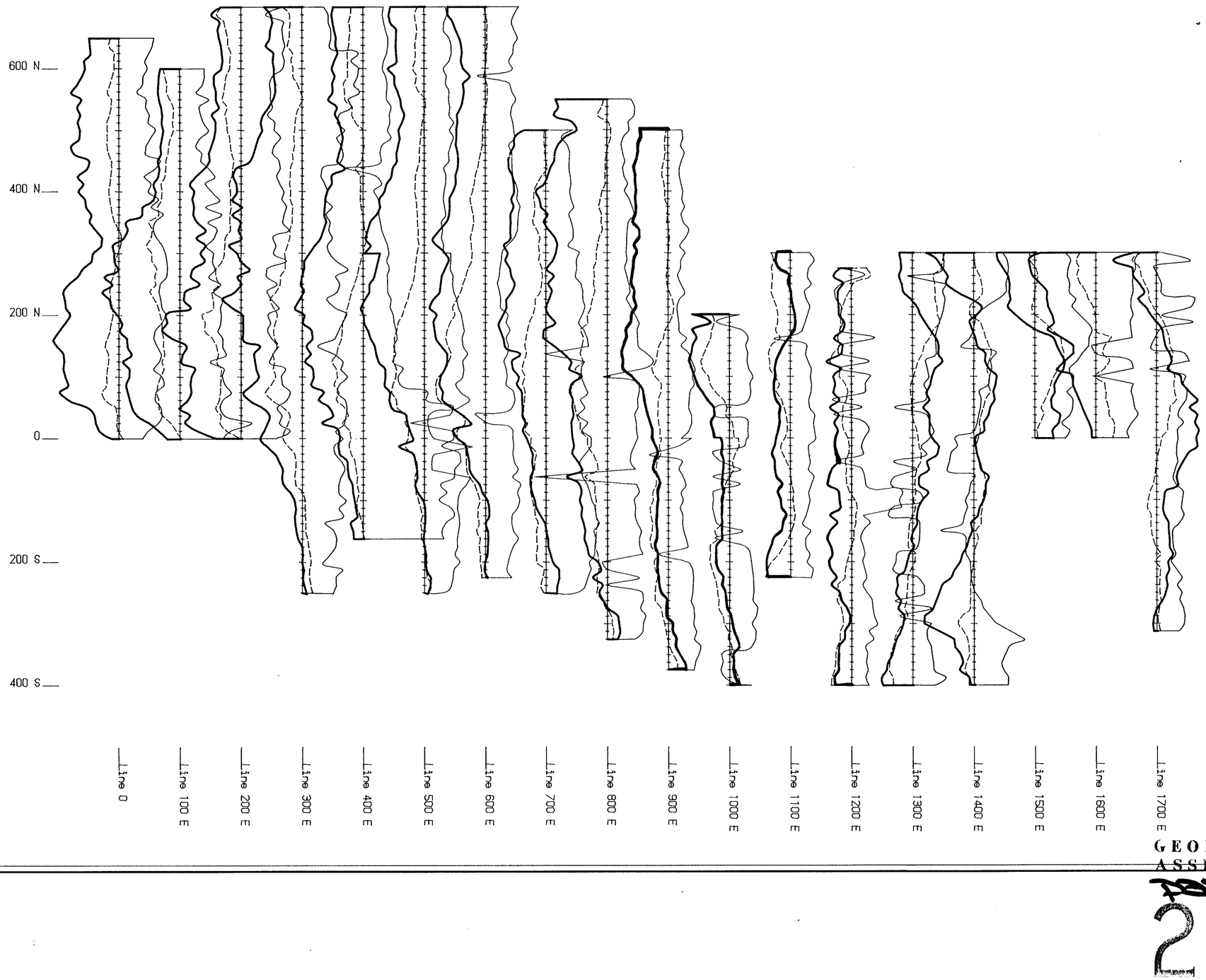
Atlin Mining Division, B.C.

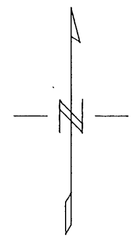
NTS: 104K/08 December, 1990

Figure # 3

Interpretex Resources Ltd.

GEOLOGICAL BRANCH
ASSESSMENT REPORT
Part 2 of 5
21,987





Scale 1:5000

50 0 50 100 150 200 250
(metres)

LEGEND

NLK, Seattle, Washington

Anomalous Inflection (In-Phase)

In-Phase
Quadrature
} 1 cm. = 20 %

Field Strength 1 cm. = 10 units

VLF-EM Conductor

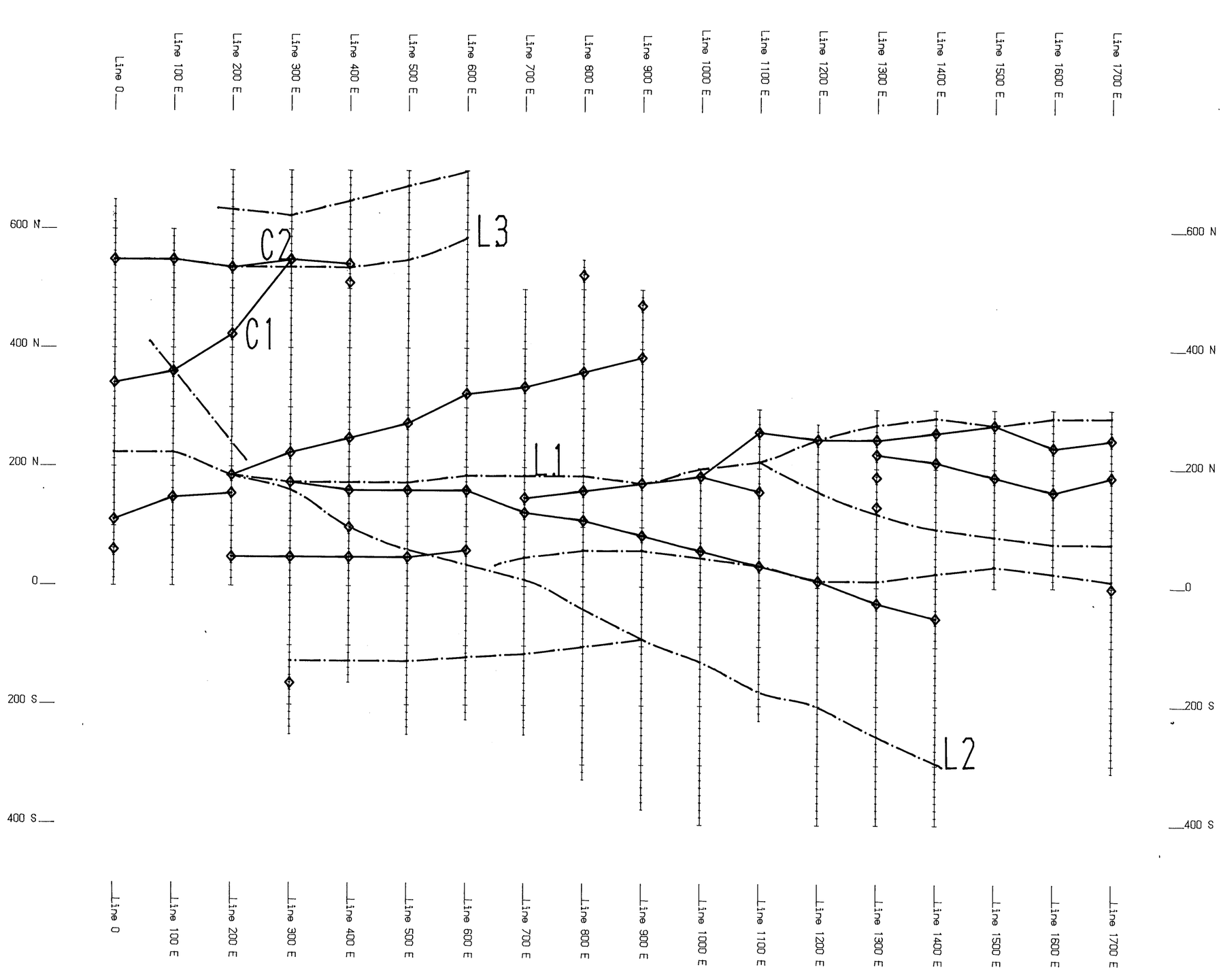
WATERFORD RESOURCES INC.

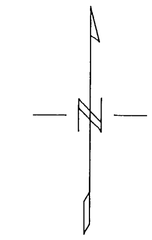
VLF-EM Profiles

ANT CLAIM GROUP (Ant Grid)
Atlin Mining Division, B.C.
NTS: 104K/08 December, 1990
Figure # 4

Interpretex Resources Ltd.

GEOLOGICAL BRANCH
ASSESSMENT REPORT
Part 2 of 5
21,987





Scale 1:5000

50 0 50 100 150 200 250
(metres)

LEGEND

Magnetic Lineament

VLF-EM Conductor

GEOLOGICAL BRANCH
ASSESSMENT REPORT

Part 2 of 2

21,987

WATERFORD RESOURCES INC.

Geophysical Interpretation Map

ANT CLAIM GROUP (Ant Grid)

Atlin Mining Division, B.C.

NTS: 104K/08 December, 1990

Figure # 5

Interpretex Resources Ltd.