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# 1979 GEOPHYSICAL REPORT

on

AM, BM and TAY CLAIMS

ANVIL-FISHOOK PROJECT
YUKON TERRITORY

(June 3, 1979 - September 19, 1979)

completed

on behalf of

UNION OIL COMPANY OF CANADA LIMITED

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GEOTERREX LIMITED

Project 85-846

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OTTAWA, CANADA

OCTOBER 1979

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Geophysicists

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This report has been examined by the Geological Evalua[illegible]nit and is recommended to the [illegible] considered as repres[illegible]ount of

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Considered [illegible]pres[illegible]ation work under Section 53 [illegible]o [illegible]artz Mining Act.

B. R. BAXTER
Supervising Mining Recorder

[illegible]Commissioner o[illegible]on Territory

TABLE OF CONTENTS


| | | PAGE |
|---|---|---|
| I. | INTRODUCTION | 1 |
| II. | PERSONNEL | 2 |
| III. | GEOPHYSICAL SURVEYS | |
| | III.1 The Turam Method | 4 |
| | III.2 Magnetic Intensity Surveying | 5 |
| | III.3 Gravity Surveying | 5 |
| | III.3.a Terrain Correction | 7 |
| | III.3.b Calculation of Bouguer Density | 9 |
| IV. | FIELD PROCEDURES | |
| | IV.1 Fishook #2 Grid | 11 |
| | IV.2 Fishook #1 Grid | 13 |
| | IV.3 Old Fishook Grid | 14 |
| | IV.4 Tay #2 Grid | 15 |
| | IV.5 Tay #1 Grid | 17 |
| V. | DISCUSSION OF RESULTS | 19 |
| | V.1 Fishook #2 Grid | 20 |
| | V.2 Fishook #1 Grid | 24 |
| | V.3 Old Fishook Grid | 25 |
| | V.4 Tay #2 Grid | 29 |
| | V.5 Tay #1 Grid | 32 |
| VI. | CONCLUSIONS AND RECOMMENDATIONS | 35 |

APPENDIX 1 - Claim Maps and Area Surveyed
APPENDIX 2 - Curriculum Vitae
APPENDIX 3 - Instrument Specifications
APPENDIX 4 - Gravity Data
APPENDIX 5 - Geophysical Plots

i Fishook #2 Grid
ii Fishook #1 Grid
iii Old Fishook Grid
iv Tay #2 Grid
v Tay #1 Grid

## I. INTRODUCTION

During the period from June 3, 1979 to July 30, 1979 and from August 27, 1979 to September 9, 1979, Geoterrex Limited of 2060 Walkley Road, Ottawa, Ontario, Canada, completed, in two phases, gravity, magnetic and turam electromagnetic surveys in the Anvil-Fishook Area of the Yukon Territory on behalf of Union Oil Company of Canada Limited, P.O. Box 999, Calgary, Alberta.

The purpose of the surveys was to evaluate, geophysically, any possible areas of Pb-Zn mineralization, specifically in graphitic rock units correlated to the known deposit located at Faro, Yukon. The surveys were carried out on five grids; Old Fishook, Fishook #1, Fishook #2, Tay #1 and Tay #2 (see Appendix 1), located in the area of 62°30'N latitude, 134°00'W longitude. The survey area is on the western slopes of the Anvil Range, between 800 and 1600 metres elevation.

The initial phase of the survey attempted to complete all of the geophysical work, but equipment failure and undependable data resulted in the crew returning a second time. The first phase included gravity and turam electromagnetic surveying, while the second was magnetics and a repeat turm survey using a different instrument. Access to the survey area was by helicopter from Faro or Ross River, Yukon.

The survey was completed with a four man crew, under the direct supervision of Alan J. Wynne and James P. Hawkins, Geoterrex staff geophysicists. (See Appendix 2).

## II. PERSONNEL

The following is a list of the Geoterrex personnel who performed the survey, and the amount of time spent per individual during the field program and for the compilation and completion of the final report.

### Field Program

| NAME AND ADDRESS | NO. OF DAYS |
|---|---|
| Alan Wynne<br>Geophysicist/Party Chief<br>c/o 2060 Walkley Road<br>Ottawa, Ontario | 64.5 |
| James Hawkins<br>Geophysicist<br>c/o 2060 Walkley Road<br>Ottawa, Ontario | 47 |
| Kevin McNabb<br>Operator<br>c/o 2060 Walkley Road<br>Ottawa, Ontario | 18 |
| David Knuckey<br>Technician<br>c/o 2060 Walkley Road<br>Ottawa, Ontario | 20 |
| John Goldney<br>Technician<br>c/o 2060 Walkley Road<br>Ottawa, Ontario | 51.1 |
| Alden Rattew<br>Technician<br>c/o 2060 Walkley Road<br>Ottawa, Ontario | 18.5 |
| Michel Rousseau<br>Geophysicist<br>c/o 2060 Walkley Road<br>Ottawa, Ontario | 18 |

Field Program con't

| | |
|---|---|
| Robert Keith<br>Manager, Ground Geophysics<br>c/o 2060 Walkley Road<br>Ottawa, Ontario | 3 |

Office Compilation and Report

| | |
|---|---|
| Alan Wynne<br>Geophysicist<br>c/o 2060 Walkley Road<br>Ottawa, Ontario | 12 |
| James Hawkins<br>Geophysicist<br>c/o 2060 Walkley Road<br>Ottawa, Ontario | 53 |

## III. GEOPHYSICAL SURVEYS

### III.1 The Turam Method

The fixed-source turam method is an electromagnetic induction technique which employs a stationary primary field and a moving receiver system. The system is capable of measuring both the horizontal and vertical distribution of electrical conductivity in the earth. The primary field is generated from a large loop laid out on the terrain. A square wave is fed into the loop from the transmitter. The primary field causes eddy currents to flow in any subsurface conductor. Secondary fields are formed which cause the resultant field to be distorted in both amplitude and phase. The distortions are investigated using two coils which measure the relative strength of the field and the phase difference between the two coils. The parameters measured are field strength ratio and phase. The field strength ratio is reduced using the derived normal field strength ratio, to yield the Reduced field strength ratio.

The initial instrument used on the survey was the Androtex Extra Low Frequency Automatic Scanning Turam, with a coil separation of 60 metres and a station interval of 30 metres. A five frequency sweep was performed over a known Max-Min conductor and from that information two frequencies were picked to provide survey coverage. Although the anomaly was strongest on 675Hz, 225Hz and 2025Hz were chosen to facilitate use of the automatic switching of the Androtex transmitter. Both of these frequencies gave strong responses, while the 25Hz and 75Hz frequencies gave negligible responses.

A problem with the dependability of the Androtex generator results in part of the survey being run with the Scintrex SE-71 Standard Turam Type System at a frequency of 800Hz and the same coil separation and station interval as for the Elfast survey. The turam survey was run in two parts, the first being in June-July, and additional lines in August-September.

Normalized field strength ratio and phase for frequencies of either 225Hz (Androtex) or 800Hz (Scintrex) are presented as plots at a 1:5,000 scale (See Appendix 3).

III.2 Magnetic Intensity Surveying

A magnetic intensity survey was carried out using a Geometrics G-816 proton precession magnetometer. This instrument utilizes the precession of spinning protons of the hydrogen atom in a hydrocarbon fluid to measure total magnetic intensity. These spinning protons behave as magnetic dipoles. The "magnets" are temporarily aligned by polarizing them using a uniform magnetic field generated by a current through a coil of wire. When this magnetic field is removed by means of shutting off the current, the spin of the protons cause them to "precess" in the direction of the earth's magnetic field. This movement generates a small signal in the coil of wire precisely proportional to the magnetic field intensity.

Readings generally were taken at the standard 30 metre station interval, although intermediate 15 metre interval readings were recorded in areas of high magnetic relief.

Diurnal drift was corrected for on a linear basis, by tying survey lines to a previously surveyed perpendicular base line. Repeat readings were taken at five to ten minute intervals, every two hours to ensure accuracy. Data corrected for diurnal drift was tied to the former survey values and plotted on 1:5,000 plan maps.

III.3 Gravity Surveying

Gravity observations were made using two Lacoste and Romberg model G gravity meters(serial numbers G38 and G416). Reading accuracy is ±0.01 mgals. All gravity readings were within dial ranges 5100 and 5200 for G38, and 5200 and 5300 for G416. Interval factors for these values are:

| Instrument | Interval | Interval Factor |
|---|---|---|
| G38 | 5100 | 1.06381 |
| | 5200 | 1.03622 |
| G416 | 5200 | 1.05757 |
| | 5300 | 1.05756 |

Once a gravity loop has been complete (i.e., returned to base station) and the counter readings multiplied by the meter constant so as to read milligals, meter drift is calculated on a minute to minute basis. Earth-tide corrections are applied using previously calculated values.

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In order to compare values of gravity, it is necessary that they be reduced to a datum. This reduction applied to the gravity data is made up of two parts. The first part corrects for the decrease in gravity due to the height (or elevation) of the field station above the datum. This is called the free-air correction. The second part takes into consideration the increase in gravity at a station resulting from the mass of the material between it and the datum. This is called the Bouguer correction.

The two corrections are ordinarily combined and the proper constant can be calculated on the basis that the elevation correction is at the rate of -0.30860 milligals per metre and the Bouguer correction +0.4186 $\delta$, where $\delta$ is the density of the underlying material. For the reduction of the present data a density of 2.8 g/cc was used.

The correction for latitude is introduced to compensate for the change of gravity with latitude. This change amounts to 1.307 sin 2 $\emptyset$ milligals per mile in a north-south direction, where $\emptyset$ is the latitude. The latitude correction at the primary gravity base is correlated to the Ager gravity survey of 1978. The latitude correction is subtracted from stations north of the base, and added to stations south of the base.

Elevations to the base of the station pickets were determined using the G.D.D. electronic level developed by Edwin Gaucher and Associates. Relative elevations are considered accurate to within $\pm$0.03 metres between stations. Repeatability of relative elevations between stations is considered accurate to within $\pm$0.01 metres. Where elevations could not be tied into the Ager survey, a base was picked off 1:10,000 orthophoto maps.

Readings were taken at 30 metre intervals along lines 240 metres apart. Inclinometer readings were taken perpendicular to the lines to facilitate the calculation of a more accurate inner terrain correction.

Data is presented as a series of 1:5,000 plan maps or profiles. Elevation data is contoured at 20 m intervals, complete Bouguer gravity and terrain corrections at 0.25 mgals. (See Appendix 4).

III.3.a Terrain Correction

The method used to compute the local terrain correction was the one described by Krohn (1976), in which a linear system of multiquadric equations of cones is fitted to the points defined by square topographic compartments and the point defined by the station itself to give a mathematically described surface. Hardy (1971) shows that the surface is a better model of the actual topography than other digital terrain models, especially near the station. The gravity terrain correction for this surface is calculated using a simple and fast numerical integration.

A local digital terrain model was constructed by first picking the elevation of the terrain at 100 m intervals from the 1:10,000 orthophoto maps. Interpolation between points to give 50 m coverage was done by taking strict arithmetic means. Clinometer data taken by the observer in the field yielded terrain elevations every 30 m out to 90 m from the station.

The terrain correction for a station was computed from its terrain model by a programmed template method. The area out to 800 m from a station was divided into three rings of radii 100 m, 400 m and 800 m. Each ring was in turn subdivided into four other rings of width a, 2a, 4a, and 8a. Finally, each of the twelve rings was divided into compartments. The number of compartments in each ring being given by:

$$n = \pi \, (R_1/R_2 + 1)/(R_1/R_2 - 1)$$

where n is the number of compartments in a ring with outer radius $R_1$ and inner radius $R_2$. The elevation assigned the ring compartment is the elevation of the multiquadric surface at the centre of the compartment. Krohn showed, by means of a theoretical example of a terrain correction over a cone, that the multiquadric equation method is potentially more accurate than a hand chart method for near-station terrain corrections.

A terrain correction density of 2.8 was used. The terrain corrections were smoothed over a five-station interval using a weighted averaging of 1,2,3,2,1.

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BIBLIOGRAPHY

1. KROHN, D.H. 1976, "Gravity Terrain Corrections Using Multiquadric Equations": Geophysics, V. 41, p. 266-275.

2. HARDY, R.L. 1971, "Multiquadric equations of topography and other irregular surfaces": J. Geophys. Res., v. 76, p. 1905-1915.

III.3(b) Calcaulation of Bouguer Density

To accurately determine Bouguer density in the absence of drill hole information, the relationship between observed gravity and elevation can be used.

Given that:

$BA = g_o - g_t + \frac{dg}{dz}h - 2\pi G\rho h + T;$ (1)

where

BA = Bouguer anomaly

$g_o$ = observed gravity

$g_t$ = theoretical gravity

$\frac{dg}{dz}$ = vertical gradient of gravity (+.30861 mgal/metre of elevation above the datum plane)

h = elevation of the gravity station above the datum plane

G = universal gravitational constant ($6.67 \times 10^{-5}$ $\frac{cm^3}{g.s^2}$ when BA is in milligals

$\rho$ = density of the rock (2.67 $g/cm^3$ for crustal rock)

T = terrain correction

Assume that the terrain correction, T, is negligable. Field procedures will determine values for $g_o$ (the gravity reading, corrected for earth tides and drift), $g_t$ (from the stations's latitude), and h (from the vertical surveying). Hence the only unknown in equation (1) is $\rho$.

Differentiating Equation (1) with respect to h gives

$$\frac{dBA}{dh} = \frac{dg_o}{dh} + \frac{dg_t}{dh} + \frac{dg}{dz} - 2\pi G\rho + \frac{dT}{dh}$$

Now, $\frac{dBA}{dh} = \frac{dg_t}{dh} = 0$, by definition

Thus, $\frac{d(go+T)}{dh} = 2\pi G - \frac{dg}{dz}$ (2)

Assume for now that T=0. Then

$$\frac{dg_o}{dh} = 2\pi G - \frac{dg}{dz} = k(\rho) \qquad (3)$$

Thus, $g_o$ is a linear function of h,
i.e., $g_o = k(\rho)\, h$, where $k(\rho)$ is a constant depending on $\rho$. If $g_o$ is plotted against h, $k(\rho)$ will be the slope of the best fit straight line through the data points. Algebraically,

$$k(\rho) = 2\pi G - \frac{dg}{dz}$$

$$\therefore \quad = \frac{k(\rho) + \frac{dg}{dz}}{2\ G} \qquad (4)$$

The advantages of this system are

1) the complete data set can be used, guaranteeing that an average density for the survey area is calcualted, thus reducing the possibility that an improper density is used.

2) The densities of various sections of the survey area can be easily calculated and compared, so that a regional density change can be mapped.

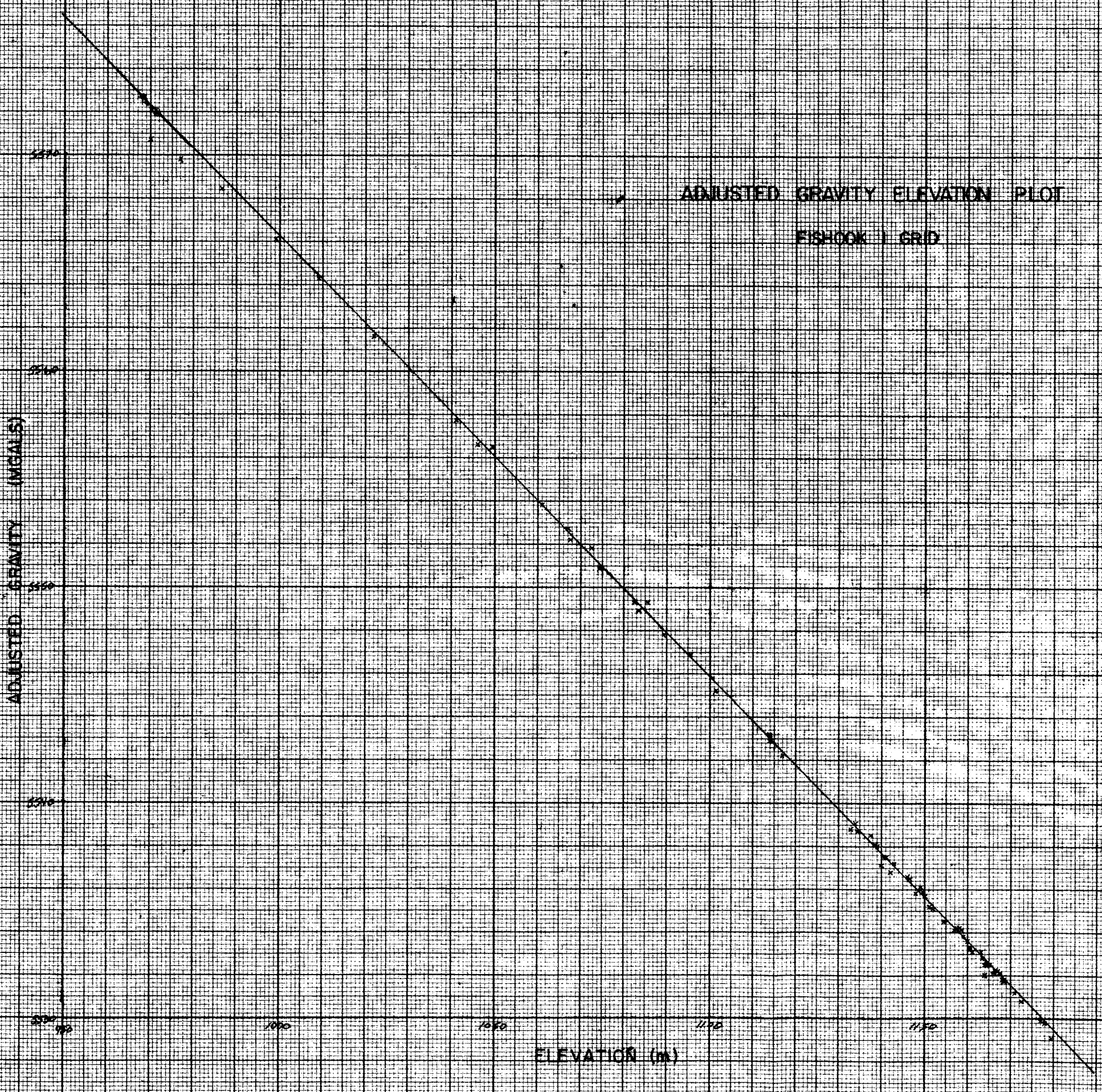
3) It requires no special field procedures, so can be applied to old data as well as new data.

In the following pages, the plots for Fishook #1, Old Fishook, Tay #2, and Tay #1 Grids are given. The density derived for Fishook #1 area is 2.52 g/cc, 2.65 g/cc for Old Fishook, and 2.25 for Tay #1. The plot for Tay #2 does not give a straight line due to regional changes in density. This would perhaps explain the correlation between complete Bouguer gravity and topography in the north-east and south-east parts of this grid (See V-4).

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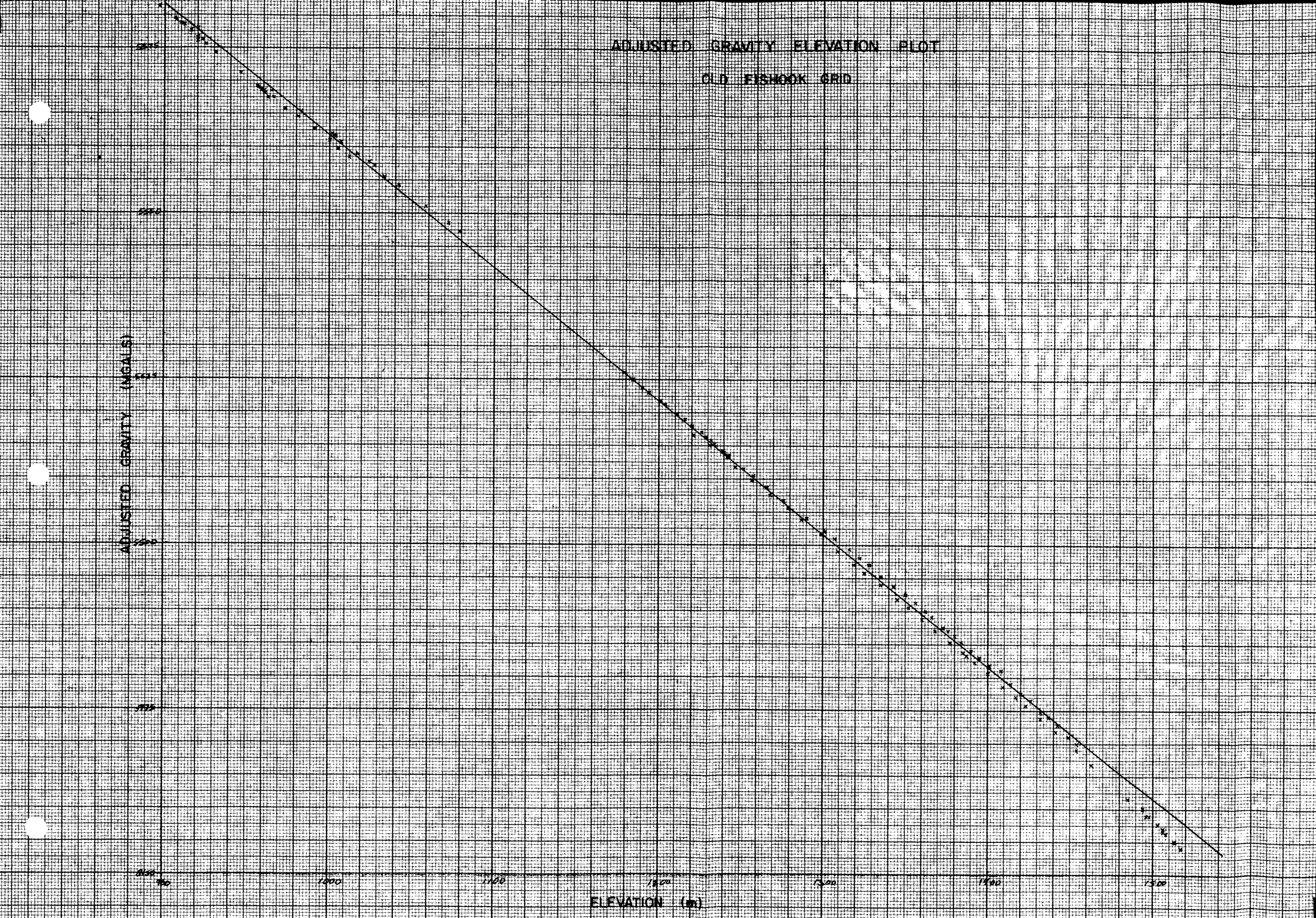
ADJUSTED GRAVITY ELEVATION PLOT

FISHOOK 1 GRID



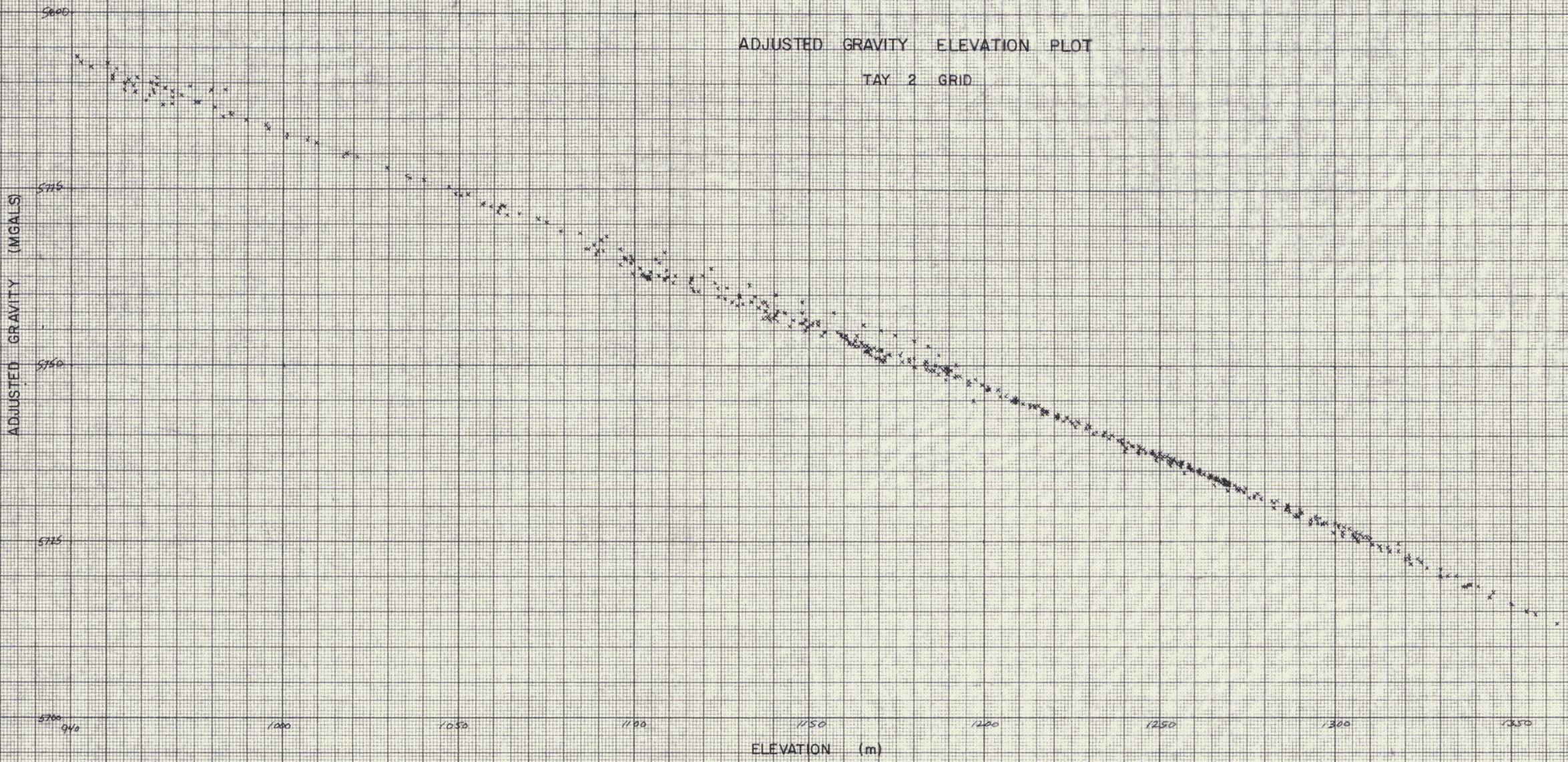
ADJUSTED GRAVITY ELEVATION PLOT

OLD FISHOOK GRID



ADJUSTED GRAVITY ELEVATION PLOT

TAY 2 GRID



ADJUSTED GRAVITY ELEVATION PLOT

TAY I GRID

5950

5925

5900

5875

5850

1200

1250

1300

1350

1400

1450

1500

1550

1600

ELEVATION (m)

## IV. FIELD PROCEDURE

### IV.1 Fishook #2 Grid

The Fishook #2 Grid was occupied from June 5th to June 24th and September 10th, 11th inclusive. During the first period, 6.1 km of turam was run using the Androtex Elfast system (see Table 1). It was later decided that the data was unsatisfactory and that further work was required. During the second period, 2.6 km of turam was run using an S.E.71 system rented from Scintrex Limited.

A small amount of magnetic surveying was done during the first period, but instrument failure prevented the completion of this coverage. During the second period, 3.3 km of magnetic surveying was done.

All of the gravity was read during the first period, totalling 19.8 km. Elevations of the stations were also surveyed at this time.

TABLE 1 - FISHOOK #2 PRODUCTION

(i) First Occupation - June 5th - June 24th, 1979

| LINE | TURAM | | GRAVITY | |
|---|---|---|---|---|
| | Co-Ordinates | No. of Stations | Co-Ordinates | No. of Stations |
| 960E | | - | 600N-600S | 40 |
| 720E | | - | 600N-600S | 40 |
| 480E | 630S-900S | 9 | 600N-900S | 50 |
| 240E | 630S-930S | 10 | 600N-930S | 51 |
| 0 | 630S-870S | 8 | 600N-870S | 49 |
| 240W | | - | 600N-540S | 38 |
| 480W | 600S-960S | 12 | 600N-990S | 53 |
| 720W | 630S-960S | 11 | 600N-990S | 53 |
| 960W | 480N-960S | 48 | 600N-990S | 53 |
| 1200W | 420N-960S | 46 | 600N-990S | 53 |
| 1440W | 360N-960S | 44 | 660N-990S | 53 |
| 1680W | 390N-30S | 14 | 600N-600S | 40 |
| BLO | | - | 960E-1680W | 88 |
| | | Total 202 | | Total 661 |

(ii) Second Occupation - September 10th, 11 1979

| LINE | TURAM | | GRAVITY | |
|---|---|---|---|---|
| | Co-Ordinates | No. of Stations | Co-Ordinates | No. of Stations |
| 480E | 0-960S | 32 | 300N-990S | 44 |
| 240E | 0-720S | 24 | 0 -990S | 34 |
| 0 | 0-960S | 32 | 0 -990S | 34 |
| | | Total 88 | | Total 116 |

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IV.2 Fishook #1 Grid

The Fishook #1 Grid was occupied on June 25th, 1979. A total of 2.2 km of gravity and elevations survey was done. (See Table 2).

TABLE 2 - FISHOOK #1 PRODUCTION

| LINE | GRAVITY | |
|---|---|---|
| | Co-Ordinates | No. of Stations |
| 240E | 450N-150S | 20 |
| 0 | 450N-150S | 20 |
| 240W | 450N-150S | 20 |
| BLO | 240E-240W | 16 |
| | Total | 76 |

IV.3 Old Fishook Grid

Old Fishook Grid was occupied from June 26th to July 10th 1979 and September 5th to September 9th, 1979 inclusive. A total of 3.2 km of unsatisfactory turam data was initially collected using a combination of the Androtex Elfast and S.E.71 turam systems. After re-occupation of the grid, 6.2 km of turam was surveyed using an S.E.71 system.

At the same time 8.2 km of magnetic surveying was done.

Gravity and elevation surveying done during the first period totalled 4.5 km (15,000 ft ) ( See Table 3).

TABLE 3 - OLD FISHOOK PRODUCTION

(i) First Occupation - June 26th - July 10th, 1979

| LINE | TURAM | | GRAVITY | |
|---|---|---|---|---|
| | Co-Ordinates | No. of Stations | Co-Ordinates | No. of Stations |
| 112E | 41N-31S | 71 | 44N-0 | 44 |
| 96E | 41N-63S | 103 | 33N-20S | 54 |
| | | | 44S-70S | 27 |
| 80E | 41N-64S | 104 | 44S-68S | 25 |
| 64E | 3S -40S | 38 | | |
| | Total | 316 | Total | 150 |

(ii) Second Occupation - September 5th - September 9th, 1979

| LINE | TURAM | | MAGNETIC | |
|---|---|---|---|---|
| | Co-Ordinates | No. of Stations | Co-Ordinates | No. of Stations |
| 112E | 41N-15S | 57 | 44N-24S | 69 |
| 104E | 41N-12S | 54 | 44N-24S | 69 |
| 96E | 41N-16S | 58 | 44N-24S | 69 |
| 88E | 41N- 6S | 48 | 44N-24S | 69 |
| | Total | 215 | Total | 276 |

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IV.4 Tay #2 Grid

Tay #2 Grid was occupied from July 11th to July 21, 1979 and August 29th to September 4th, 1979 inclusive. Initially turam was read on 13.5 km of line with the S.E.71, but this data proved to be unsatisfactory. Approximately, 10 km of turam was read the second time with the replacement S.E.71.

Magnetic survey done the second time totalled 11.6 km.

Gravity and elevation surveying done during the first period totalled 13.3 km. (See Table 4).

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TABLE 4 - TAY #2 PRODUCTION

(i) First Occupation - July 11th - July 21st, 1979

| LINE | TURAM | | GRAVITY | |
|---|---|---|---|---|
| | Co-Ordinates | No. of Stations | Co-Ordinates | No. of Stations |
| 1440E | 1350N-1200S | 85 | 1350N-1200S | 85 |
| 1200E | 1350N-1170S | 84 | 1350N-1170S | 84 |
| 960E | 1350N-1020S | 79 | 1350N-1020S | 79 |
| 720E | 1350N-720S | 69 | 1350N-720N | 21 |
| 480E | 1350N-720N | 21 | 1350N-720N | 21 |
| 240E | 1350N-300N | 35 | 1350N-0 | 45 |
| 0 | 1350N-300N | 35 | 1350N-720N | 21 |
| 240W | 1350N-720N | 21 | 1350N-720N | 21 |
| 480W | 1350N-720N | 21 | 1350N-720N | 21 |
| 720W | 1350N-720N | 21 | 1350N-720N | 21 |
| BLO | | | 1440E-720E | 24 |
| | Total | 451 | Total | 443 |

(ii) Second Occupation - August 29th - September 4th, 1979

| LINE | TURAM | | MAGNETICS | |
|---|---|---|---|---|
| | Co-Ordinates | No. of Stations | Co-Ordinates | No. of Stations |
| 1440E | 990N-510S | 49 | 1290N-1230S | 85 |
| 1200E | 840N-510S | 44 | 1350N-1170S | 85 |
| 960E | 1230N-510S | 57 | 1350N-960S | 78 |
| 720E | 1290N-750N | 17 | 1350N-750N | 21 |
| 480E | 1260N-750N | 16 | 1350N-750N | 21 |
| 240E | 1290N-420S | 56 | 1350N-750N | 21 |
| 0 | 1350N-420S | 58 | 1350N-750N | 21 |
| 240W | 1260N-750N | 16 | 1350N-750N | 21 |
| 480W | 1230N-750N | 15 | 1350N-750N | 21 |
| 720W | 1260N-810N | 14 | 1350N-750N | 21 |
| BLO | - | - | - | - |
| | Total | 342 | Total | 395 |

IV.5 Tay #1 Grid

Tay #1 Grid was occupied from July 22nd to July 27th, 1979 and September 12th to September 17th, 1979 inclusive. During the first period 9.6 km of unsatisfactory S.E.71 data was collected, while the second period's survey covered 9.1 km.

Magnetic surveying during the second period covered 2.5 km.

Gravity and elevation surveying done during the first period totalled 4.1 km. (See Table 5).

TABLE 5 - TAY #1 PRODUCTION

(i) First Occupation - July 22nd - July 27th, 1979

| LINE | TURAM | | GRAVITY | |
|---|---|---|---|---|
| | Co-Ordinates | No. of Stations | Co-Ordinates | No. of Stations |
| 960E | 1200N-0 | 40 | 1200N-0 | 40 |
| 720E | 1200N-0 | 40 | - | |
| 480E | 1590N-600S | 73 | 1590N-1200N/420N-420S | 41 |
| 240E | 1590N-600S | 73 | 1590N-1200N | 13 |
| 0 | 1590N-600S | 73 | 1590N-1200N | 13 |
| 240W | 1800N-1200N | 20 | 1800N-1200N | 20 |
| BLO | - | - | 960E-720E | 8 |
| | Total | 319 | Total | 135 |

(ii) Second Occupation - September 12th - September 17th, 1979

| LINE | TURAM | | MAGNETICS | |
|---|---|---|---|---|
| | Co-Ordinates | No. of Stations | Co-Ordinates | No. of Stations |
| 960E | 1170N-60N | 36 | 1170N-0 | 40 |
| 720E | 1200N-60N | 37 | - | - |
| 480E | 1590N-690S | 76 | 1590N-1140N | 16 |
| 240E | 1590N-690S | 76 | 1590N-1170N | 15 |
| 0 | 1590N-690S | 76 | 1620N-1200N | 17 |
| | Total | 301 | Total | 88 |

## V. DISCUSSION OF RESULTS

The following section discusses the results obtained grid by grid. The turam and magnetic results are presented in the form of a table listing the co-ordinates of the electromagnetic conductors, an indication of the conductor strengths and conductivities, half-widths, and the amplitude of any associated magnetic anomalies. The conductor strength is classified on the magnitude of the field strength ratio (F.S.R.) peak, as follows:

A - amplitude over 25%
B - 12.5%-20%
C - 10%-12.5%
D - 8%-10%

The conductivity is classified by the ratio of the magnitude of the ratio peak over the magnitude of the phase peak, as follows:

E excellent - ratio one or better
G good - ratio 0.75 - 1
F fair - ratio 0.5 - 0.75
P poor - ratio 0.25 - 0.5

In addition, each conductor is given an identifying letter in the tables, and the conductors are referred to by letter in the discussion. The magnetic anomaly column lists the size of the anomaly above background. Non-coverage by magnetic surveying is denoted by "N.C."

V.1 Fishook #2 Grid

Geophysical surveying on Fishook #2 Grid consisted of turam electromagnetic, total field magnetics, and gravity surveying.

Two types of turam units were used, the Androtex Elfast and S.E.71, both using a 60 m coil separation and a station interval of 30 m.

The Androtex unit, using frequencies of 225Hz and 2025Hz was run on the southern extensions of L480W and L720W, on all of L960W, L1200W and L1440W, and on the northern half of L1680W. Table 1(a) lists the various turam conductor responses, their strengths, conductivities, and half widths, as well as indicating whether or not a magnetic anomaly (and its magnitude) corresponds with the turam anomaly.

One good multi-line conductor zone and three fair-to-good single line conductors were mapped by the Androtex turam survey on the above lines. Conductor Zone A is at the western end of the grid lines, south of the base line, and is formed by two good conductors on L960E and as many as three more moderate conductors on L1200E. Conductors B, C and D are in the southwestern part of the grid. Conductors B and C are good single-line conductors, and may be related in some way. Conductor D is a fair single-line conductor.

The S.E.71, using a frequency of 800Hz, was run on the southern ends of LO, L240E and L480E. Table 1(b) summarizes the conductor responses. Two excellent multi-line conductor zones and one single-line conductor were mapped by the survey. Conductor E lies immediately south of the base line and covers all three lines. A single response on LO, Conductor E becomes a dual conductor on L240E and L480E. Conductor F stretches across the three survey lines at about 500S, becoming a dual conductor on the middle line. Conductor G, in the southwest corner of these lines, is less pronounced than the other conductors.

TABLE 1(a) - ANDROTEX TURAM CONDUCTOR RESPONSES

| LINE | CO-ORDINATES | | STRENGTH | CONDUCTIVITY GRADE | HALF WIDTH | CONDUCTOR IDENTIFIER | MAGNETIC ANOMALY |
|---|---|---|---|---|---|---|---|
| | CENTRE | WIDTH | | | | | |
| 1440W | 570S | 60 m | B | G | 50 m | B | N.C. |
| | 690S | 90 m | B | G | 50 m | B | N.C. |
| 1200W | 180S | 60 m | C | F | 25 m | A | ---- |
| | 240S | 60 m | B | G | 45 m | A | ---- |
| | 300S | 60 m | A | E | 55 m | A | ---- |
| | 480S | 60 m | B | E | 30 m | C | 50% |
| | 560S | 60 m | B | E | 70 m | C | 100% |
| L960W | 210S | 150 m | A | G | 115 m | A | N.C. |
| | 360S | 120 m | A | G | 70 m | A | N.C. |
| | 700S | 30 m | C | G | 40 m | D | 150% |

TABLE 1(b) - S.E.71 TURAM CONDUCTOR RESPONSES

| LINE | CO-ORDINATES | | STRENGTH | CONDUCTIVITY GRADE | HALF WIDTH | CONDUCTOR IDENTIFIER | MAGNETIC ANOMALY |
|---|---|---|---|---|---|---|---|
| | CENTRE | WIDTH | | | | | |
| LO | 220S | 140 m | A | E | Off Scale | E | 75% |
| | 525S | 100 m | A | E | 50 m | F | 200% |
| | 900S | 120 m | B | E | 100 m | G | ---- |
| L240E | 120S | 160 m | A | E | 110 m | E | 300% |
| | 240S | 120 m | A | E | 110 m | E | 300% |
| | 450S | 90 m | A | E | 60 m | F | ---- |
| | 540S | 150 m | A | E | Off Scale | F | 100% |
| L480E | 90S | 110 m | A | E | 100 m | E | 300% |
| | 210S | 140 m | A | E | 110 m | E | 300% |
| | 360S | 60 m | B | E | 50 m | E | 75% |
| | 540S | 130 m | A | E | Off Scale | F | 50% |

The total field magnetics survey covered the southern extensions of L960W, L720W and L480W and the southern half of L1200W, LO, L240E and L480E. Magnetic highs in the southwest area of the grid correlate with turam Conductors C and D. The south-central part of the grid shows good correlation between the magnetics survey and the turam. A magnetic high correlating with Conductor E is quite pronounced on the eastern side, but weakens as you move west. A narrow magnetic high in the 100γ range correlates well with Conductor F.

A comparison of the elevation, terrain correction, and complete Bouguer gravity contour maps, does not show any marked similarities, indicating little or no terrain effect on the complete Bouguer gravity values. A moderate gravity anomaly of about 0.25 mgals correlates well with the eastern end of Conductor A, but shows nothing over the western end of the conductor. A large gravity anomaly in the order of 1 mgal corresponds to the location of Conductor C. Conductor E has a corresponding gravity anomaly in the order of 0.25 - 0.50 mgals, with the anomaly being lower in the middle.

The plots of the turam, magnetic, and gravity surveys are given in Appendix 5-i.

V.2 Fishook #1 Grid

Ground geophysics on Fishook #1 Grid consisted solely of gravity surveying. Although apparent highs are observed in the central and north-western parts of the surveyed area, little can be said without knowledge of any electromagnetic conductors. Generally speaking, there is little or no correlation among the elevation contour, terrain correction contour, and complete Bouguer gravity contour maps, indicating that what anomalies there are, are not reflections of terrain. An exception to this is the anomalous low on the western end of the base line, co-incident with an abrupt 10 m cliff. (See Appendix 5 -(ii)).

## V.3 Old Fishook Grid

Geophysical surveying on Old Fishook Grid consisted of turam electromagnetic, total field magnetics and gravity surveying.

Two types of turam units were used, the Androtex Elfast and the S.E.71, both using a 60 m coil separation and a station interval of 30 m.

The Androtex unit, using frequencies of 225 and 2025Hz, was run on the southern part of L64E and on L80E. Table 3(a) lists the parameters for the turam anomalies.

Eight single-line conductors were mapped by turam surveying on the above lines. Conductors A, B and C are located on the western line, south of the base line. Conductor C is made up of two closely associated conductors. Conductors D, E, F and G are located at the northern end of the other line. Conductor H, at the southern end, is along strike with Conductor C, and both conductors may, in fact, be part of one larger conductor.

The S.E.71, using a frequency of 800Hz, was run on the northern and part of the southern halves of L88E, L96E, L104E and L112E. Table 3(b) summarizes the turam conductor responses. Four multi-line conductors and two single-line conductors were mapped. Conductor 1 is a good, dual conductor at the northern end of the grid lines. Conductors J and K are good single line conductors in the middle of the western line. Conductor L stretches from the western end of the base line in a north-easterly direction across all four lines. Conductor M covers the three eastern lines just south of the base line, and Conductor N lies just south of that on the three western lines.

The total field magnetics survey covered all of the area surveyed by the S.E.71 turam survey. A discontinuous region of moderate magnetic anomaly is coincident with conductor I. Conductors J and K show

TABLE 3(a) - ANDROTEX TURAM CONDUCTOR RESPONSES

| LINE | CO-ORDINATES | | STRENGTH | CONDUCTIVITY GRADE | HALF WIDTH | CONDUCTOR IDENTIFIER | MAGNETIC ANOMALY |
|---|---|---|---|---|---|---|---|
| | CENTRE | WIDTH | | | | | |
| L64E | 180S | 50 m | A | E | 25 m | A | N.C. |
| | 370S | 90 m | A | E | 60 m | B | N.C. |
| | 450S | 50 m | A | E | 40 m | C | N.C. |
| | 540S | 90 m | A | E | 60 m | C | N.C. |
| L80E | 1100N | 130 m | A | E | 120 m | D | N.C. |
| | 900N | 120 m | A | E | 100 m | E | N.C. |
| | 890N | 80 m | A | E | 40 m | F | N.C. |
| | 610N | 70 m | B | G | 60 m | G | N.C. |
| | 570S | 230 m | A | E | 120 m | H | N.C. |

TABLE 3(b) - S.E.71 TURAM CONDUCTOR RESPONSES

| LINE | CO-ORDINATES | | STRENGTH | CONDUCTIVITY GRADE | HALF WIDTH | CONDUCTOR IDENTIFIER | MAGNETIC ANOMALY |
|---|---|---|---|---|---|---|---|
| | CENTRE | WIDTH | | | | | |
| L88E | 1130N | 150 m | A | E | 150 m | I | 10% |
| | 970N | 120 m | A | E | Off Scale | I | 10% |
| | 750N | 120 m | A | E | 85 m | J | 10% |
| | 370N | 140 m | A | E | 90 m | K | ---- |
| | 50N | 150 m | A | E | Off Scale | L | 200% |
| | 230S | 120 m | A | E | Off Scale | N | 75% |
| L96E | 1170N | ---- | B | G | ---- | I | ---- |
| | 960N | 90 m | A | E | 45 m | I | 10% |
| | 200N | 200 m | A | E | Off Scale | L | ---- |
| | 40N | 130 m | A | G | 110 m | L | ---- |
| | 150S | ---- | A | E | ---- | M | 20% |
| | 300S | 120 m | B | G | 50 m | N | 100% |
| L104E | 1090N | ---- | A | E | ---- | I | 10% |
| | 940N | 120 m | A | E | 65 m | I | ---- |
| | 250N | 250 m | A | E | 150 m | L | 100% |
| | 120S | 120 m | A | E | 100 m | M | ---- |
| | 220S | 100 m | B | G | 90 m | N | 50% |
| L112E | 1060N | 90 m | A | E | 80 m | I | 10% |
| | 930N | 170 m | A | E | 100 m | I | 10% |
| | 400N | 180 m | A | E | 150 m | L | ---- |
| | 120S | 120 m | A | E | 100 m | M | 10% |

little or no magnetic anomaly. The western and central parts of Conductor L show large magnetic highs, but these areas are divided by regions of no magnetic anomalies. Conductors M and N have some correlating magnetic highs, with the Conductor N magnetic high being larger.

A comparison of the elevation, terrain correction, and complete Bouguer gravity profiles for the Old Fishook grid shows no strong correlation among them. Only two lines of gravity correspond to the turam survey coverage, the northern half of L112E and parts of L96E. A gravity anomaly of around 0.25 mgals correlates with Conductor L on both gravity survey lines. Conductor I, in the north, corresponds to a large gravity low in that area. The gravity data on this grid is the noisiest of all the grids, and no other gravity anomalies are apparent.

The geophysical data is presented as plots in Appendix 5-iii.

## V.4 Tay #2 Grid

Geophysical surveying on Tay #2 Grid consisted of turam electromagnetic, total field magnetics, and gravity surveys.

Turam electromagnetic surveying using the S.E.71 at a coil separation of 60 m, a frequency of 800Hz, and a station interval of 30 m was completed on all the northern extensions of the grid, on all of the three eastern lines, and on most of LO and L240E. Table 4 summarizes the conductor responses for the Tay #2 grid.

A total of four multi-line conductors and five single-line conductors were mapped by turam surveying on the above lines. The entire northern end of the grid is covered by multiple conductors, some of them of extremely large amplitude. Conductor A is a strong, narrow conductor covering the northern part of the two most western lines. South-east of this is the large conductor, B, covering five lines. The largest conductor, C, covers the north-central to north-eastern part of the grid and stretches across seven lines. Conductor C changes from a single broad conductor in the west to several, more narrow conductors in the east.

Conductor D, covering the three eastern lines just south of the base line, is a weaker response that splits into two at the western end. Conductors E, F and G are in the south-central part of the grid, near the base line. All three are good, single line conductors. Conductors H and I are good single-line conductors in the southeast part of the grid, with H actually being two closely associated conductors.

The total field magnetics survey covered the northern extensions of L720W through to L720E, and all of L960E, L1200E, and L1440W. A magnetic high in the northwest corresponding to Conductor A is much higher in the east while weakening to the west. Conductor B is similar, with a high magnetic anomaly at the centre, but weakening to the east and west. The western end of Conductor C, where it intersects L240W, LO and L240E, has a small magnetic

TABLE 4 - S.E.71 TURAM CONDUCTOR RESPONSES

| LINE | CO-ORDINATES | | STRENGTH | CONDUCTIVITY GRADE | HALF WIDTH | CONDUCTOR IDENTIFIER | MAGNETIC ANOMALY |
|---|---|---|---|---|---|---|---|
| | CENTRE | WIDTH | | | | | |
| L720W | 1035N | 130 m | A | E | 80 m | A | 20% |
| L480W | 1035N | 100 m | A | F | 80 m | A | 200% |
| | 825N | 120 m | A | E | 100 m | B | 75% |
| L240W | 900N | ---- | A | E | ---- | B | 300% |
| LO | 1110N | 130 m | B | E | 120 m | C | 20% |
| | 900N | 110 m | B | G | 90 m | B | 250% |
| | 750N | 140 m | A | E | Off Scale | B | 250% |
| | 100S | 250 m | A | E | 150 m | F | N.C. |
| L240E | 1060N | 210 m | B | E | 200 m | C | 10% |
| | 750N | 190 m | A | E | 130 m | B | 10% |
| | 150N | 110 m | A | E | 50 m | E | N.C. |
| | 270S | 200 m | A | E | 140 m | G | N.C. |
| L480E | 1050N | 400 m | A | E | 300 m | C | 20% |
| L720E | 910N | 190 m | A | E | 90 m | C | ---- |
| L960E | 950N | 100 m | A | E | Off Scale | C | ---- |
| | 850N | 100 m | A | E | 50 m | C | 10% |
| | 670N | 140 m | B | G | 120 m | C | ---- |
| | 100S | 80 m | B | G | 60 m | D | ---- |
| | 200S | 100 m | C | G | 70 m | D | ---- |
| | 600S | 100 m | A | E | 80 m | H | 30% |
| | 710S | 70 m | A | E | Off Scale | H | 30% |
| L1200E | 950N | ---- | A | E | ---- | C | ---- |
| | 680N | 340 m | A | E | Off Scale | C | 20% |
| | 160S | 110 m | B | G | 80 m | D | ---- |
| L1440E | 900N | ---- | A | E | ---- | C | 20% |
| | 670N | 160 m | A | E | 140 m | C | 10% |
| | 150S | 90 m | B | E | 70 m | D | 10% |
| | 810S | 120 m | A | E | 110 m | I | 10% |

anomaly associated with it, as does the two most eastern lines intersected by Conductor C. In between, however, there are no apparent magnetic highs. Conductor D has no corresponding magnetic anomaly, with the possible exception of a small high at the eastern end. Both Conductor H and I have small corresponding magnetic highs.

A comparison among the elevation, terrain correction, and complete Bouguer gravity contour maps shows definite similarities in the north-eastern and south-eastern areas of the grid, where topography changes are the greatest. The direct relationship between the complete Bouguer gravity values and terrain indicates that the assigned Bouguer density of 2.8 g/cc may be inaccurate for this area and hence tends to confuse any gravity anomalies.

Gravity survey coverage includes all of the area run by the turam surveying with the exception of the southern part of LO.

A gravity high of the order of several milligals exists near the centre of L240E, but does not correlate very well with any electromagnetic conductor. A moderate gravity anomaly of the order of 0.25 mgals is located at about the centre of Conductor C, where it intersects L480E and L720E. A 1 mgal gravity anomaly correlates with the western end of Conductor D, but decreases rapidly as you move east.

The turam, magnetic and gravity survey plots are presented in Appendix 5-iv.

V.5 Tay #1 Grid

Ground geophysics on Tay #1 Grid include turam electromagnetic, total field magnetics, and gravity surveying.

A turam electromagnetic survey employing a coil separation of 60 m, frequency of 800 Hz, and a station interval of 30 m was run using the S.E.71. Lines completed included LO, L240E, L480E and the northern part of L720E and L960E. Table 5 lists the various parameters for the Tay #1 conductor responses.

A total of three multi-line conductors and about eight single line conductors were mapped by the turam surveying on the above lines. At the northern end of the three western lines there are two good conductors, A and B. The southern-most of these conductors, B, becomes a dual conductor on the middle of these three lines. Conductor C on L960E is a good conductor approximately on strike with conductor B, but separated by the lack of an electromagnetic response on L720E. Closer to the base line on the three western lines is conductor D, a good conductor at about 400N. Conductor E and F are both single line good conductors just north of the base line on L960E and L480E respectively. Conductors G, H, I, J, and K are all single line conductors of moderate strength located south of the base line.

Total field magnetics surveying covered only the northern extensions of LO, L240E and L480E and all of L960E.

Magnetic highs along L960E correlate reasonably well with turam responses "C" and "E". Response "A" correlates more or less with a magnetic high that is stronger in the east and weakens as you go west.

A comparison among the elevation, terrain correction, and complete Bouguer gravity contour maps generally show little or no similarities. Two exceptions to this are the high Bouguer gravity values at the northern end of L960E and L480E, that seem to be the result of corresponding high terrain correction values. Areas where possible gravity anomalies corres-

TABLE 5 - S.E.71 TURAM CONDUCTOR RESPONSES

| LINE | CO-ORDINATES | | STRENGTH | CONDUCTIVITY GRADE | HALF WIDTH | CONDUCTOR IDENTIFIER | MAGNETIC ANOMALY |
|---|---|---|---|---|---|---|---|
| | CENTRE | WIDTH | | | | | |
| LO | 1285N | 150 m | A | G | 100 m | A | 75% |
| | 1035N | 250 m | B | G | 100 m | B | N.C. |
| | 425N | 225 m | A | E | 75 m | D | N.C. |
| | 330S | 275 m | A | E | 150 m | G | N.C. |
| | 620S | 100 m | A | E | 100 m | J | N.C. |
| L240E | 1370N | 100 m | A | E | 50 m | A | 100% |
| | 1040N | 100 m | B | E | 75 m | B | N.C. |
| | 950N | 100 m | A | E | 75 m | B | N.C. |
| | 390N | 200 m | A | E | 100 m | D | N.C. |
| | 410S | 100 m | C | G | 100 m | H | N.C. |
| L480E | 1430N | 100 m | B | E | 60 m | A | 200% |
| | 1015N | 150 m | B | G | 100 m | B | N.C. |
| | 475N | 300 m | A | E | 270 m | D | N.C. |
| | 165N | 150 m | A | G | 100 m | F | N.C. |
| | 215S | 300 m | C | E | 250 m | I | N.C. |
| | 465S | 200 m | D | G | 120 m | K | N.C. |
| L960E | 1050N | 200 m | A | G | 100 m | C | 100% |
| | 360N | 150 m | B | E | 150 m | E | 50% |

pond with electromagnetic conductor responses are L480E, 1430N and LO, 1280N. Subtle gravity highs at L960E, 410N and L960E, 575N do not correlate as well with the turam data. The gravity survey does not cover the rest of the turam conductor responses.

Plots of the turam, magnetic, and gravity data are given in Appendix 5-V.

## VI. CONCLUSIONS AND RECOMMENDATIONS

Electromagnetic conductors that have corresponding magnetic and gravity anomalies are of the greatest interest in an exploration program for Pb-Zn mineralization. A summary of these conductors is given in the following table.

| GRID | CONDUCTOR | STRENGTH | CONDUCTIVITY GRADE | MAGNETIC ANOMALY | GRAVITY ANOMALY |
|---|---|---|---|---|---|
| Fishook #2 | A | A | G | N.C. | 0.25 mgals |
| | C | B | E | 100γ | 1.00 mgals |
| | E | A | E | 300γ | 0.50 mgals |
| Old Fishook | L | A | E | 100γ | 0.25 mgals |
| Tay #2 | C | A | E | 20γ | 0.25 mgals |
| | D | B | G | 10γ | 1.00 mgals |
| Tay #1 | A | A | E | 100γ | 0.25 mgals |

Geoterrex has been pleased to work for Union Oil in the course of this exploration program, and submits the above report for approval.

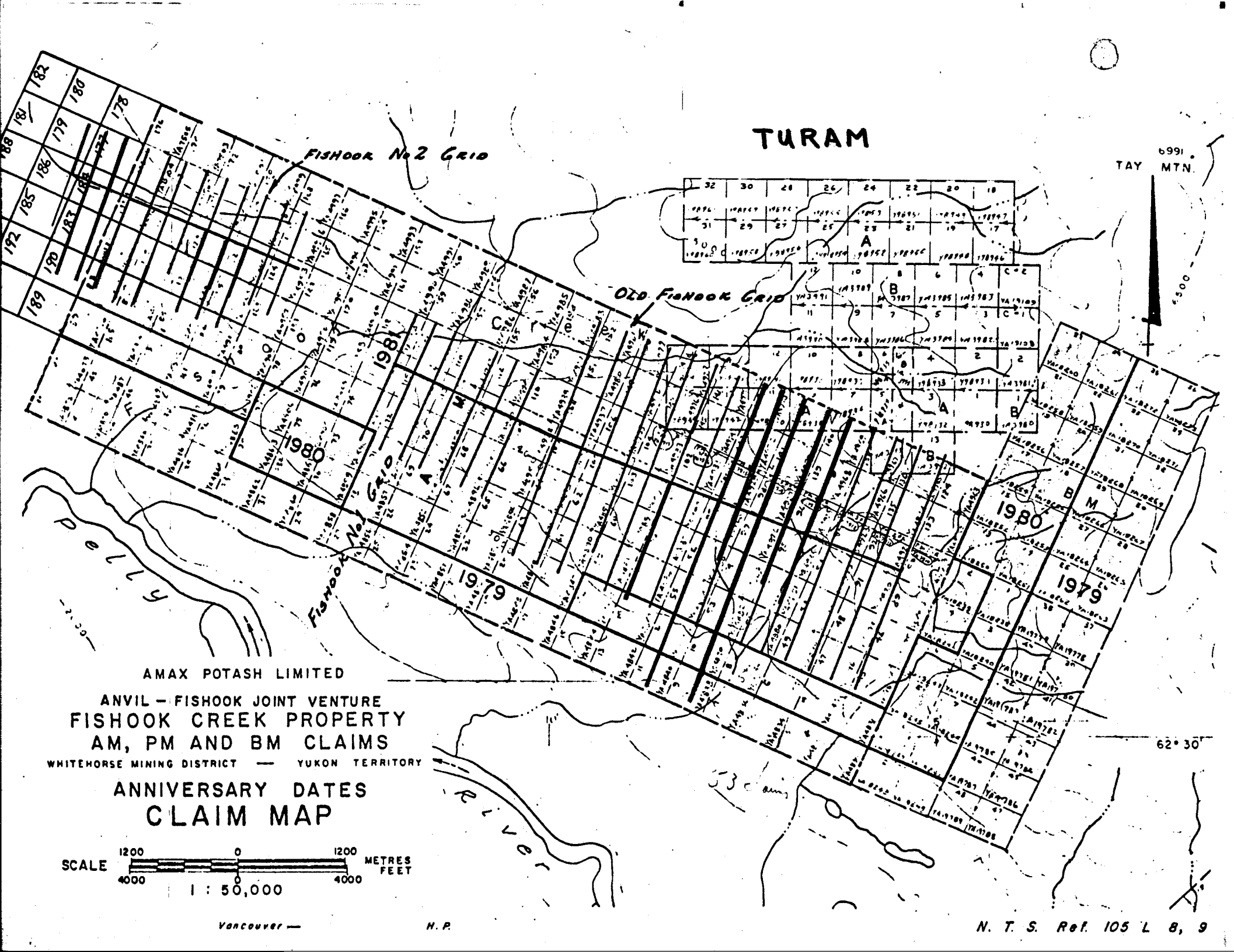
Respectfully submitted

Alan J. Wynne

James P Hawkins

James P. Hawkins
Geophysicists

# APPENDIX 1 - CLAIM MAPS AND AREA SURVEYED




AMAX POTASH LIMITED

ANVIL – FISHOOK JOINT VENTURE

# FISHOOK CREEK PROPERTY
# AM, PM AND BM CLAIMS

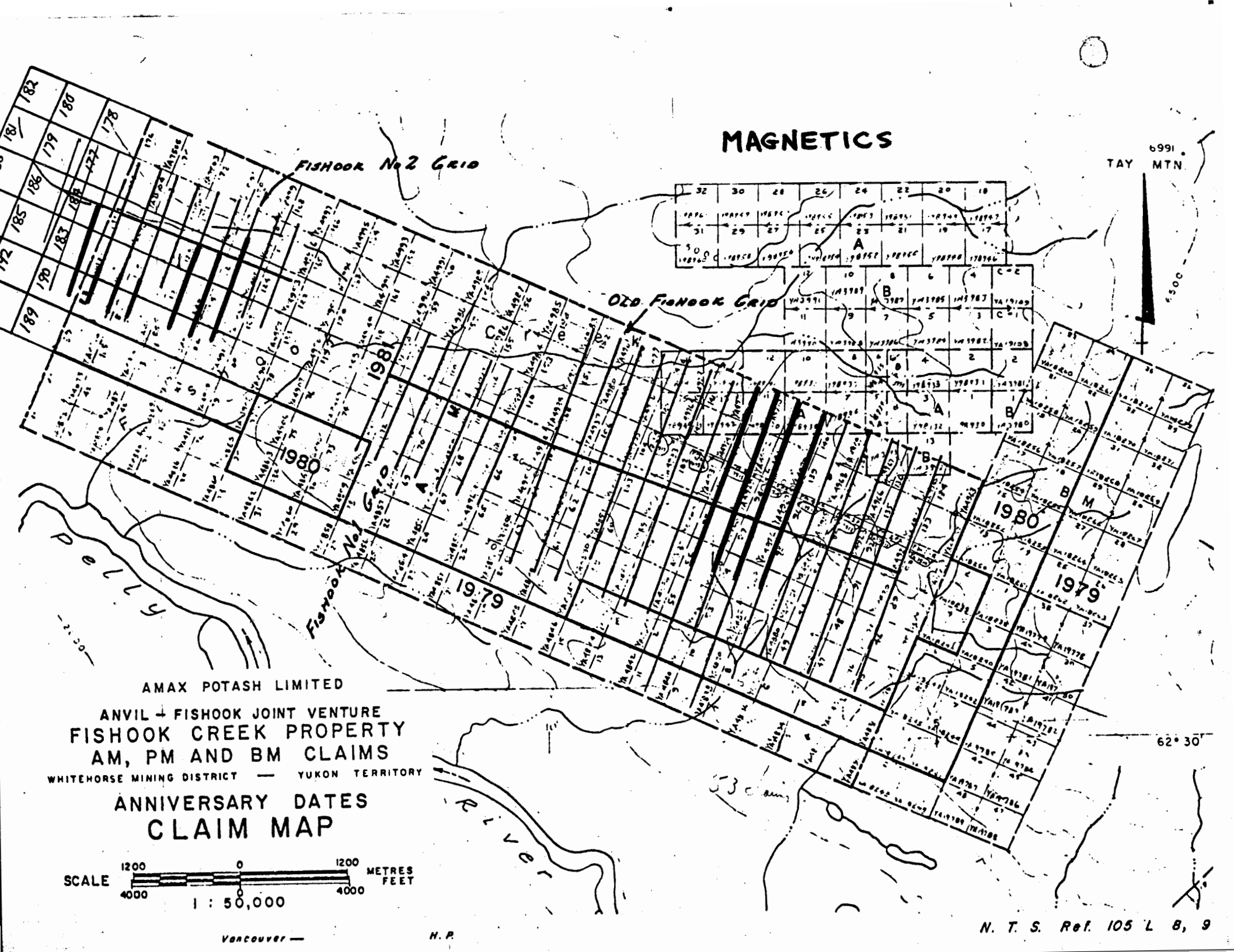
WHITEHORSE MINING DISTRICT — YUKON TERRITORY

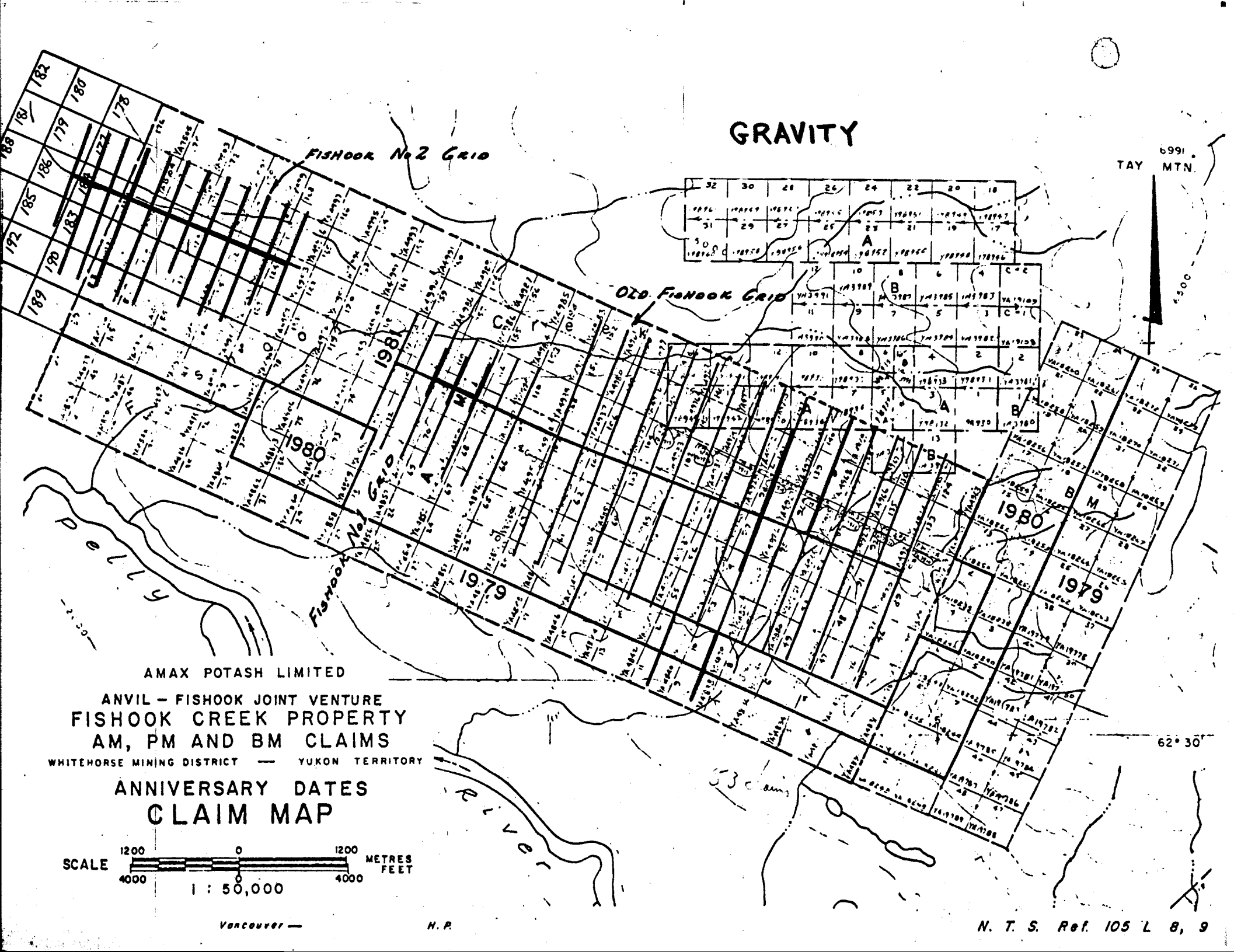
## ANNIVERSARY DATES
## CLAIM MAP

SCALE 1200 0 1200 METRES
4000 0 4000 FEET
1 : 50,000

Vancouver — H.P.

N. T. S. Ref. 105 L 8, 9


MAGNETICS
FISHOOK No 2 GRID
OLD FISHOOK GRID
FISHOOK No1 GRID
TAY MTN
6991
6500
1981
1980
1979
1980
1979
Pelly
River
62° 30'
AMAX POTASH LIMITED
ANVIL + FISHOOK JOINT VENTURE
FISHOOK CREEK PROPERTY
AM, PM AND BM CLAIMS
WHITEHORSE MINING DISTRICT — YUKON TERRITORY
ANNIVERSARY DATES
CLAIM MAP
SCALE
1200 0 1200 METRES
4000 0 4000 FEET
1 : 50,000
Vancouver —
H. P.
N. T. S. Ref. 105 L 8, 9




AMAX POTASH LIMITED

ANVIL – FISHOOK JOINT VENTURE

# FISHOOK CREEK PROPERTY

## AM, PM AND BM CLAIMS

WHITEHORSE MINING DISTRICT — YUKON TERRITORY

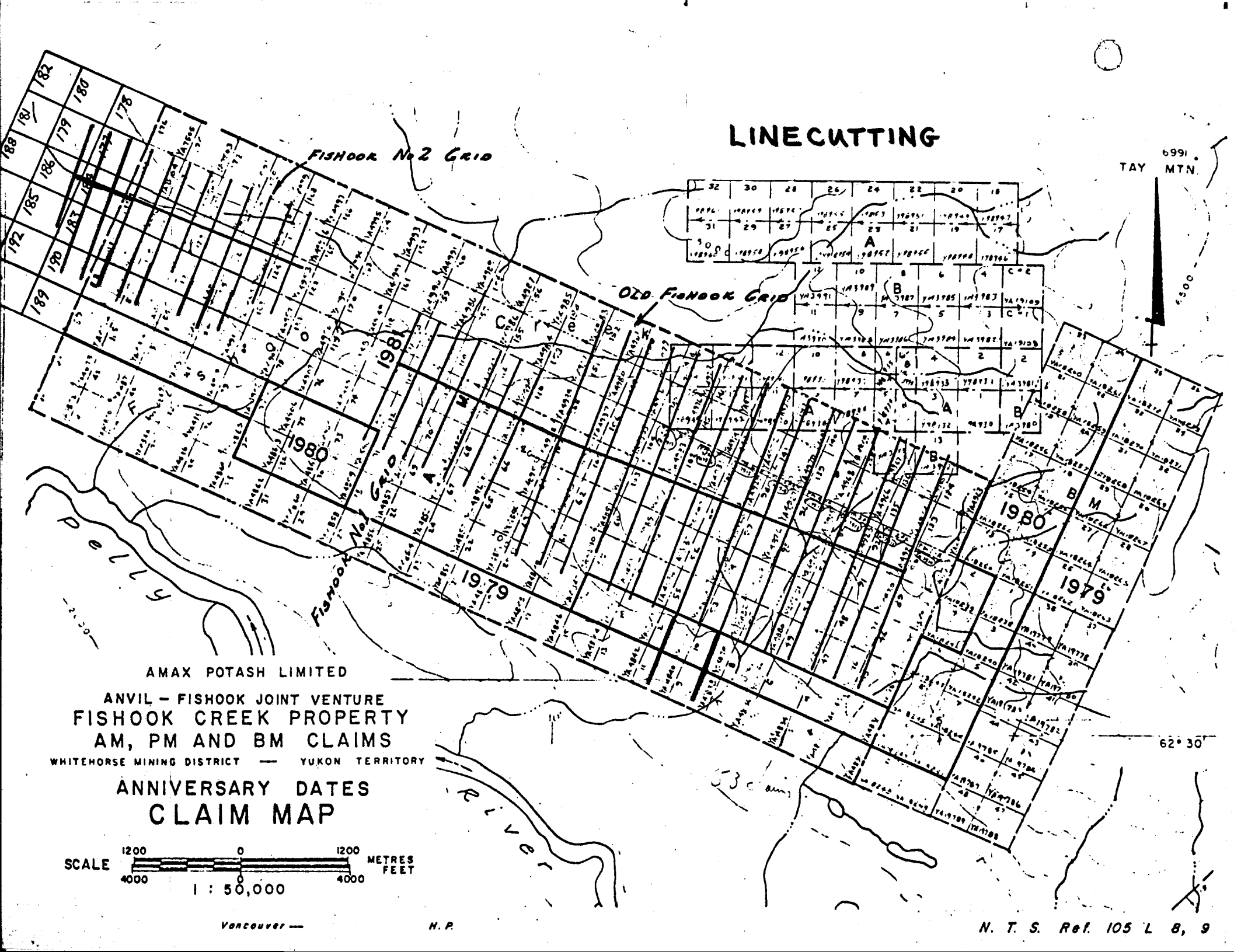
## ANNIVERSARY DATES

# CLAIM MAP

SCALE 1200 0 1200 METRES
4000 0 4000 FEET
1 : 50,000

Vancouver — H.P.

N. T. S. Ref. 105 L 8, 9




AMAX POTASH LIMITED

ANVIL – FISHOOK JOINT VENTURE

# FISHOOK CREEK PROPERTY

## AM, PM AND BM CLAIMS

WHITEHORSE MINING DISTRICT — YUKON TERRITORY

## ANNIVERSARY DATES

# CLAIM MAP

SCALE 1200 0 1200 METRES
4000 0 4000 FEET
1 : 50,000

Vancouver — H.P.

N. T. S. Ref. 105 L 8, 9

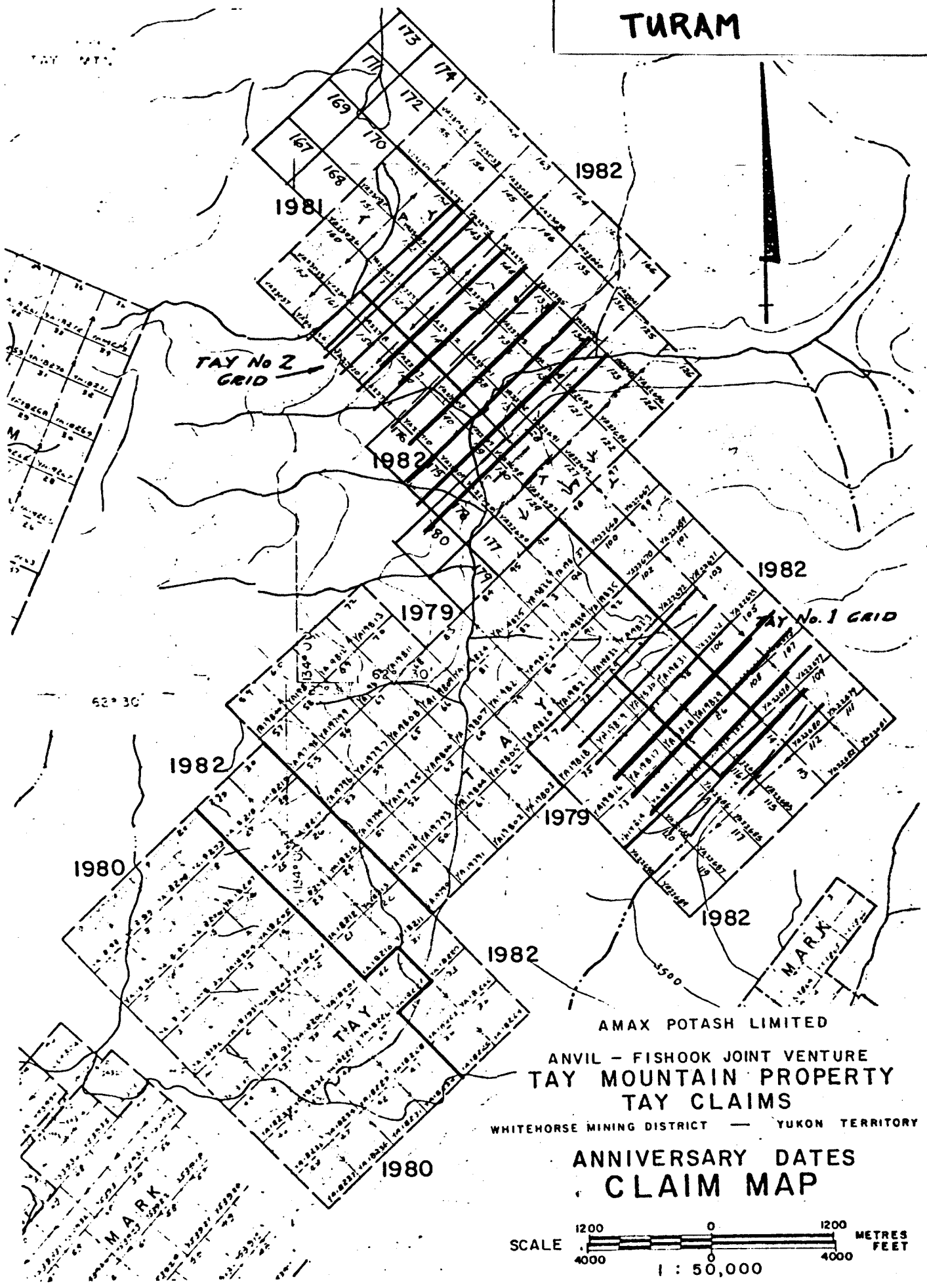
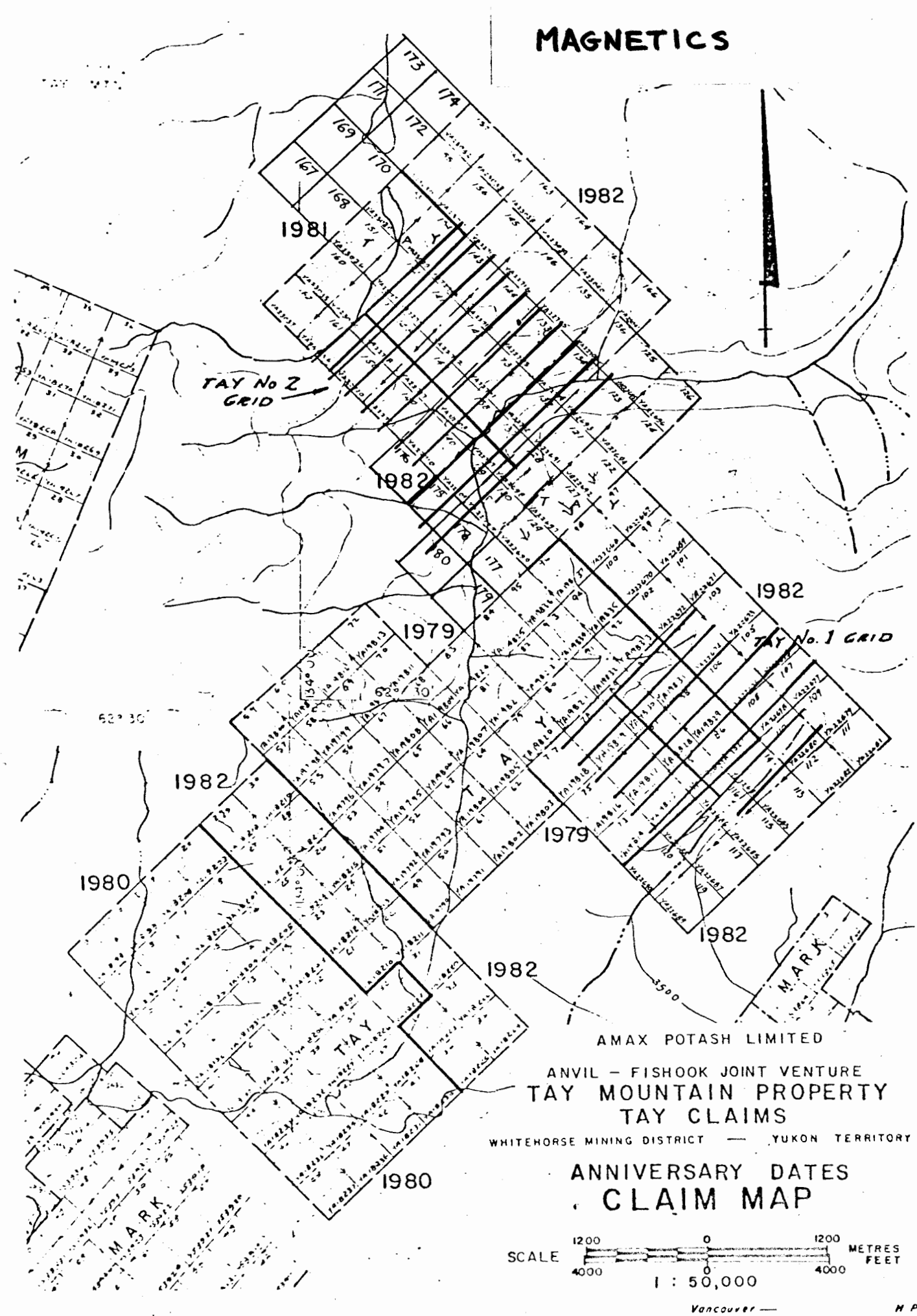

TURAM
1982
1981
TAY No 2 GRID
1982
1982
1979
TAY No. 1 GRID
1982
1980
1979
1982
1982
1980
TAY
MARK
MARK
5500
AMAX POTASH LIMITED
ANVIL - FISHOOK JOINT VENTURE
TAY MOUNTAIN PROPERTY
TAY CLAIMS
WHITEHORSE MINING DISTRICT — YUKON TERRITORY
ANNIVERSARY DATES
CLAIM MAP
SCALE
1200 0 1200 METRES
4000 0 4000 FEET
1 : 50,000
Vancouver —
N. T. S. Ref. 105 K 5, 12; L 8, 9

FIG. 10




AMAX POTASH LIMITED

ANVIL – FISHOOK JOINT VENTURE

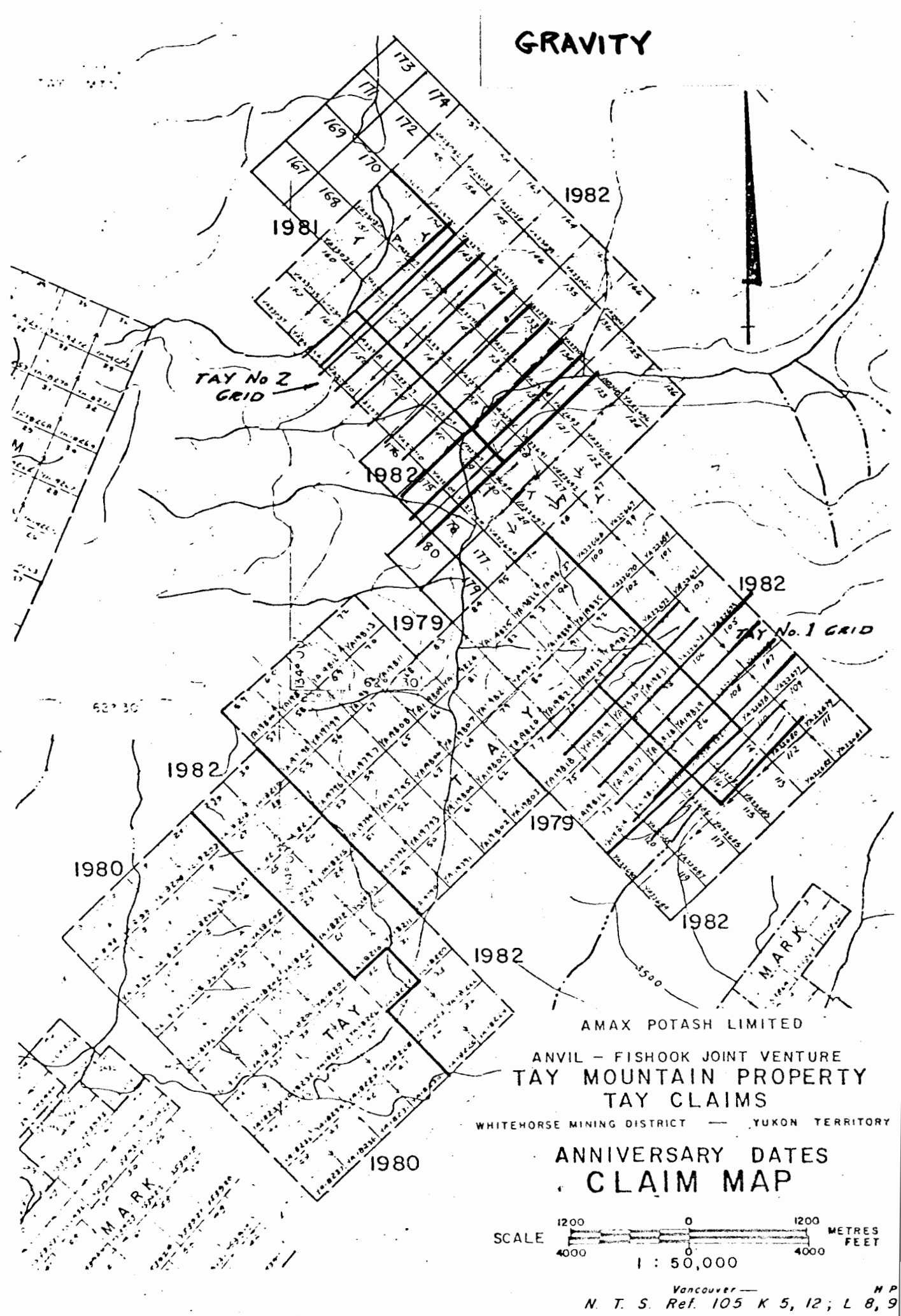
# TAY MOUNTAIN PROPERTY
# TAY CLAIMS

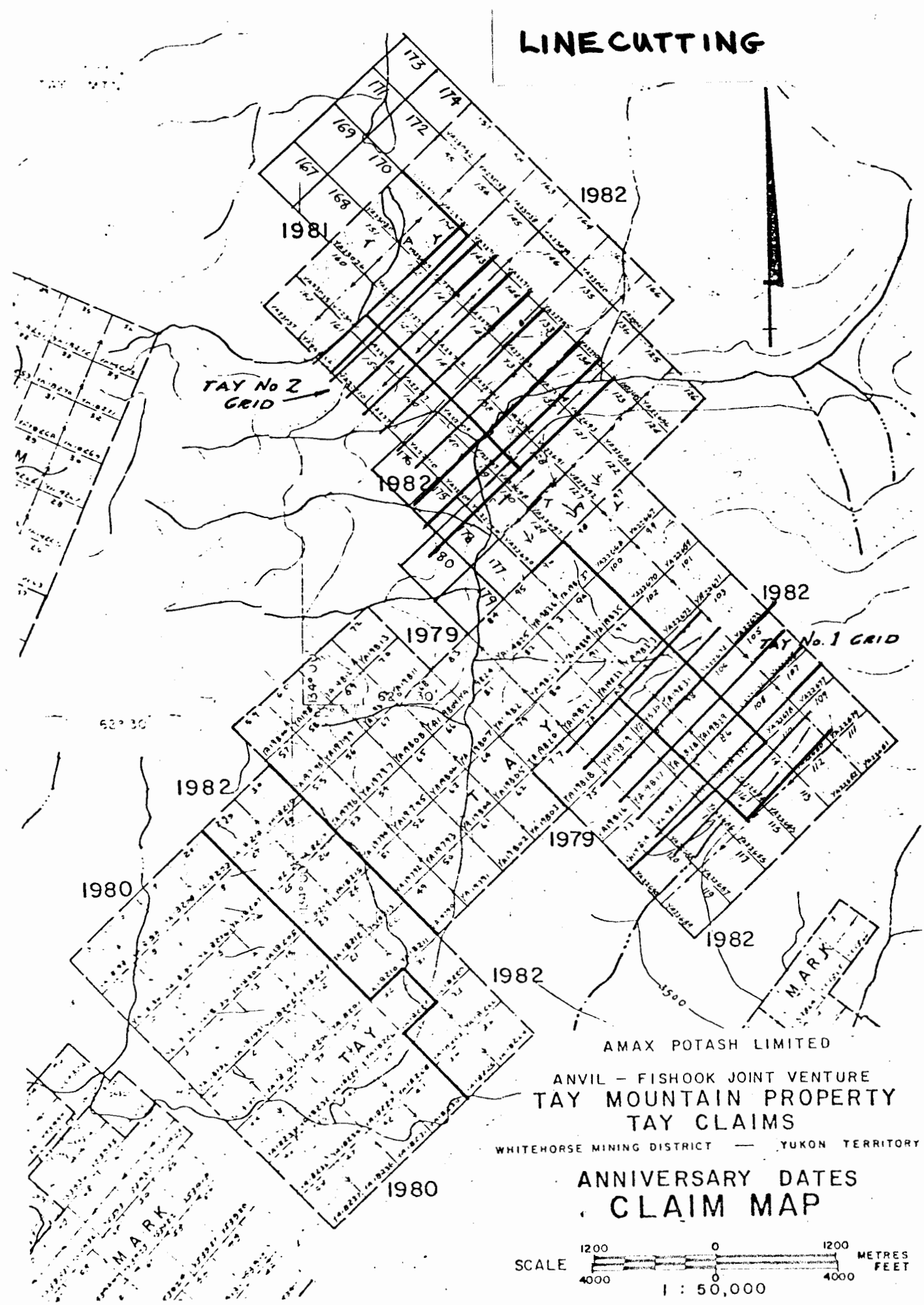
WHITEHORSE MINING DISTRICT — YUKON TERRITORY

## ANNIVERSARY DATES
## CLAIM MAP

SCALE 1200 0 1200 METRES
4000 0 4000 FEET
1 : 50,000

Vancouver — MAP
N. T. S. Ref. 105 K 5, 12; L 8, 9


GRAVITY
1982
1981
TAY No 2 GRID
1982
1982
1979
TAY No. 1 GRID
1982
1980
1979
1982
1982
1980
MARK
MARK
AMAX POTASH LIMITED
ANVIL – FISHOOK JOINT VENTURE
TAY MOUNTAIN PROPERTY
TAY CLAIMS
WHITEHORSE MINING DISTRICT — YUKON TERRITORY
ANNIVERSARY DATES
CLAIM MAP
SCALE
1200 0 1200
METRES
4000 0 4000
FEET
1 : 50,000
Vancouver —
N. T. S. Ref. 105 K 5, 12; L 8, 9




AMAX POTASH LIMITED

ANVIL – FISHOOK JOINT VENTURE

# TAY MOUNTAIN PROPERTY
# TAY CLAIMS

WHITEHORSE MINING DISTRICT — YUKON TERRITORY

## ANNIVERSARY DATES
## CLAIM MAP

SCALE 1200 0 1200 METRES
4000 0 4000 FEET
1 : 50,000

Vancouver —

N. T. S. Ref. 105 K 5, 12; L 8, 9

# APPENDIX 2 - CURRICULUM VITAE

# CURRICULUM VITAE

| | | |
|---|---|---|
| NAME | : | WYNNE, ALAN J. |
| POSITION | : | Geophysicist |
| NATIONALITY | : | Canadian |
| DATE OF BIRTH | : | 4 June, 1954 |
| EDUCATION | : | B.Sc. Geology/Geophysics, 1976 at the University of British Columbia. |
| LANGUAGES | : | English |
| EXPERIENCE | : | |
| 1973-75 (Summers) | : | Student field assistant with Weldwood ('73); Cominco ('74); and Cities Service Minerals Limited ('75). Emphasis was on detailed and reconnaissance geological mapping in British Columbia and the North West Territories. |
| May 1976 to August 1978 | : | Exploration Geologist for Eldorado Nuclear Limited, duties consisted of implementing and supervising geological and geophysical field programs. Specific field programs included Magnetics, Electromagnetic (ULF, Turam, depth sounding), Electrical (resistivity and Radiometric. |
| September 1978 to December 1978 | : | Senior Geological technician at the Ace-Fay-Verna mine complex of Eldorado Nuclear, duties consisted of supervising the technical support staff. |
| January 1979 to Present | : | Geophysicist with Geoterrex Limited. Duties consist of conducting ground geophysical surveys |

# CURRICULUM VITAE

| | | |
|---|---|---|
| NAME | : | James P. HAWKINS |
| POSITION | : | Geophysicist |
| NATIONALITY | : | Canadian |
| DATE OF BIRTH | : | July 23, 1954 |
| EDUCATION | | |
| 1977-1978 | : | University of New Brunswick Extended Studies in Geology |
| 1973-1977 | : | University of Western Ontario 4 year B.Sc., in Geophysics |
| WORK EXPERIENCE | | |
| 1975-1978 | : | Summer employment with Geological Survey of Canada, Ministry of Energy, Mines and Resources as field geophysicist/party chief in Arctic permaforst investigations. |
| 1978-present | : | Joined Geoterrex Ltd., of Ottawa, Ontario as staff geophysicist. Have since been involved in various ground surveys and interpretations; specifically seismic surveys in Ontario, electromagnetic surveys in Saskatchewan, and gravity and electromagnetic surveys in the Yukon. |
| PUBLICATIONS | : | Hydraulic Jet Drilling Operations at Illisarvik - Geological and Geophysical Logs (G.S.C. Paper) |

# CURRICULUM VITAE

NAME: ROUSSEAU, Michel

POSITION: Geophysicist

NATIONALITY: Canadian

DATE OF BIRTH: October 26, 1952

EDUCATION: Universite du Quebec, Chicoutimi
Graduated 1976 with B.Sc. in Geology

LANGUAGES: French, English

EXPERIENCE:

| | |
|---|---|
| 1973 (summer) | Employed by Ministere des Richesses Naturelles (Quebec) as junior geologist for Geochemistry. |
| 1974 (summer) | Employed by Ministere des Richesses Naturelles (Quebec) as assistant-geologist for quarry geology mapping in Quebec. |
| 1975 (summer) | Employed by Ministere des Richesses Naturelles (Quebec) as Assistant-geologist for geology mapping in various part of Quebec. |
| 1976 (summer) | Employed by Edwin Gaucher, Ing. Ph.D. Consultant as a Geologist-Geophysicist. Experience in ground EM. |
| | - Employed by Ministère des Richesses Naturelles (Quebec as field geologist |
| | - Employed by GEX (Raymond Marleau, consultant) as field geologist. |
| 1977 | Joined Geoterrex Ltd., Ottawa office, as a geophysicist. |

# APPENDIX 3 - INSTRUMENT SPECIFICATIONS

# ELFAST

## EXTRA LOW FREQUENCY AUTOMATIC SCANNING TURAM

Elfast is a fixed source electromagnetic method based on the Turam principle. Using a large surface transmitting loop and two receive coils the gradients of amplitude and phase as well as the absolute strength of the electromagnetic field in each receive coil are measured.

Besides having the advantages of the standard Turam systems, such as high resolution, large exploration depth and immunity from topographic effects, Elfast delivers true wide band information, using five frequencies which cover two decades of response. Crystal controlled frequencies and automatic compensation (no manual nulling) further maximize the signal to noise ratio and thus the exploration depth.

A continuous square wave field is transmitted and measurements can be made of the fundamental frequency, third harmonics and multiples. Even under ideal conditions, however, the signal strength of the higher harmonics drops off very steeply, rendering their use in actual exploration impractical. To maintain true multifrequency capability under all field conditions Elfast incorporates an automatic scanning system. The fundamental frequencies are cycled in a pattern with which the receiver can be synchronised. The pattern can be programmed according to the requirements of the survey. This system moreover eliminates the need for radio, voice or other tenuous links of communication with the transmitter. The Elfast system has been designed using the latest electronic technology.

### RECEIVER

The receiver incorporates a phase lock system as well as additional filters to reject signals from power lines and eliminate any noise sources except signals at precisely the set frequencies. It can be used even at the lowest frequency in high noise environments at low signal levels. All parameters, ie., the field amplitudes at each coil, the phase difference between both components, their amplitude, ratio or reverse ratio are measured fully automatically. Values are displayed on a large .56" high 3-1/2 digit display. The receiver ferrite coils are mounted inside the consoles.

The high temperature stability of the HL-3D receiver eliminates the need for zero (offset) adjustments during the survey. Any length of cable up to 100m between receiver and signal coil $-V_2$ can be used without any correction of measured reading.

An audio communication between receiver operators is provided for easy multifrequency operation.

### TRANSMITTER

The transmitter delivers up to 500 VA of power. A floating output, a front panel isolated from high voltages and built-in protection circuits, make the RTX-3D transmitter safe and reliable.

Voltage and frequency of the generator output can be measured at the transmitter. This feature allows measurement and adjustment of the motor's speed in the field without any additional equipment. The resistance of the loop can be measured using the built in ohm meter, to set the transmitted output current at its optimum value.

All parameters, including output voltage and output current are shown on a .56" high 3-1/2 digit display.

### MOTOR GENERATOR

The motor generator is mounted on a steel frame with a carrying support for comfortable transportation in the field by one person. A high quality aircraft generator provides stabilized 115V and can deliver 550 VA of output power.

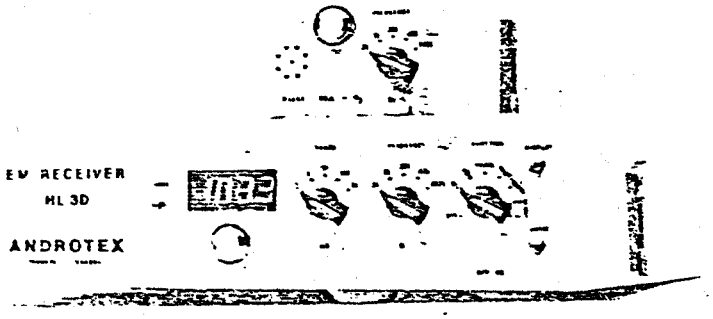
An additional outlet for 115V and a current limited battery charger make the 550 Generator a universal power field station. A large gas tank for a full day's operation can be provided.

The Elfast RTX/HL-3D system includes two portable reels with 5000 m of No. 18 gauge single, heavy insulated copper wire for transmitting loop. These reels are light and rugged, have a high capacity and are comfortable to operate.

# FEATURES

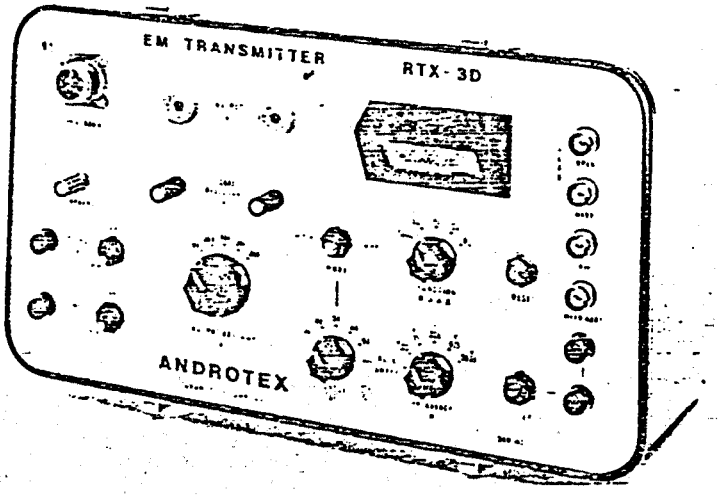
## EM RECEIVER MOD HL-3D

- Phase-lock System
- Extremely high sensitivity and selectivity
- Easy operation in high environmental noise and low signal levels at the full range of operating frequencies
- Temperature stability over wide operating range
- High resolution and accuracy
- Fully automatic compensation and display
- Ferrite coils mounted inside consoles
- Length of interconnecting cable does not affect readings
- Audio communication between operators
- Low power consumption




## EM TRANSMITTER MOD RTX-3D

- Selectable output frequencies, manual or automatic
- Programmable frequency cycling pattern
- Adjustable cycle time
- High output power
- Stabilized output voltage
- Fully protected for maximum safety and reliability
- Floating output terminals
- Digital readout — frequency and voltage of power generator, output voltage and current, loop resistance (load)
- Crystal controlled output frequencies for high stability



# ELFAST RTX/HL-3D SPECIFICATIONS

## EM RECEIVER MOD HL-3D

| | |
|---|---|
| Operating Frequencies | 25,75,225,675,2025 Hz |
| Operating signal amplitude | 20μV to 2V |
| Amplitude Accuracy | ±.1% |
| Amplitude Ratio Range | .5 to 2.0 |
| Ratio accuracy | ±.5% |
| Phase Range | —30° to +30° |
| Phase Accuracy | ±.25% |
| Automatic Readout | .56" high 3-1/2 digit LED |
| Operating Temperature Range | —40°C to +60°C |
| Supply | 4 rechargeable batteries 6V/1Ah |
| Dimensions | 95 x 380 x 360 mm |
| Weight | 5.7 kg. |

---

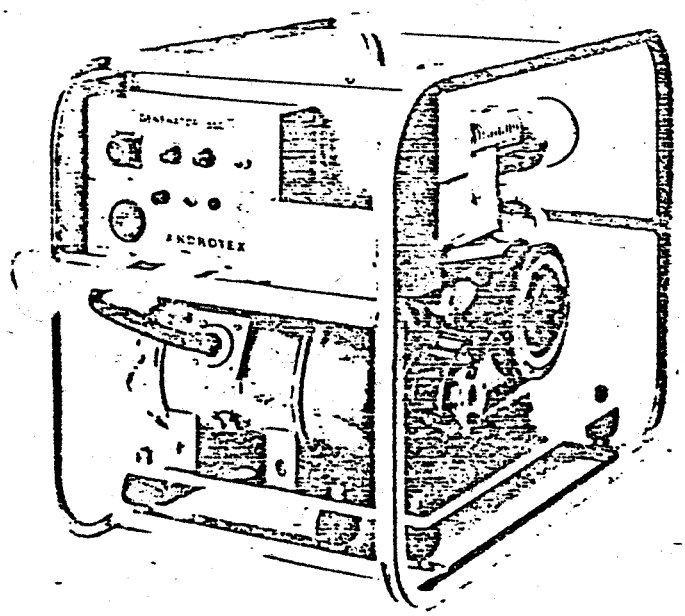
## EM TRANSMITTER MOD RTX-3D

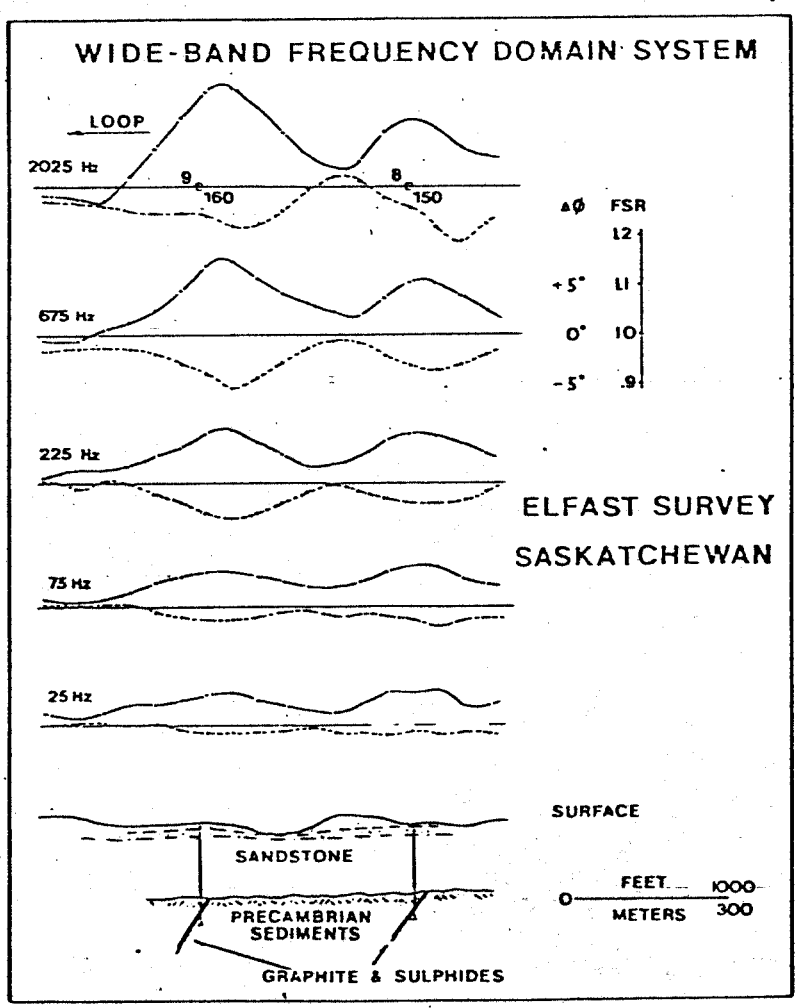
| | |
|---|---|
| Output power - max. | 500 VA |
| Output voltage | 50 - 250 V |
| Output Current - max. | 5 A |
| Output Waveform | Square Wave |
| Frequencies | 25,75,225,675,2025 Hz |
| Frequency stability in full temperature range | ±.005% (+25°C ref) |
| Operating Temperature Range | —40°C to +70°C |
| Display - LED 3-1/2 digits | .56" high |
| Overload Protection | 550 VA max |
| Underload Protection | .3A |
| Thermal Protection | +70°C ±5°C |
| Input voltage limits | 105V min<br>125V max |
| Dimensions | 360x220x220 mm |
| Weight | 7.5 kg. |

# GENERATOR MOD 550

## SPECIFICATIONS

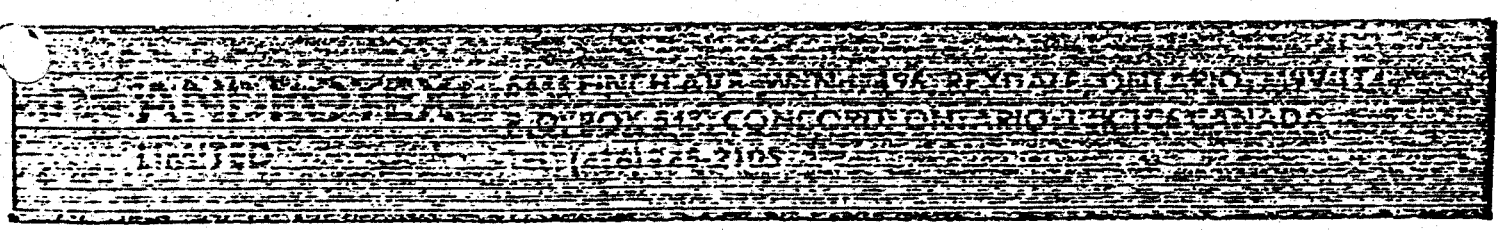
| | |
|---|---|
| Motor | Briggs and Stratton 4 Stroke<br>3 HP SAE |
| Alternator Voltage | 115V stabilized within ±1% |
| Frequency | 400 Hz nominal |
| Phase | Single |
| Battery Charger | ±14V/.15A |
| External Outlet | 115V, Single |
| Dimensions | 585 x 315 x 380 mm |
| Weight | 29.5 kg. |






## FEATURES

- Stabilized output voltage
- Automatic under-and-over-voltage protection
- High reliability self excited generator
- Emergency stop
- Additional output outlet
- Dual current limited battery charger





SCINTREX

# SE-71

## 3 FREQUENCY TURAM SYSTEM

The SE-71 is an electromagnetic prospecting system utilizing a fixed source and moving receiver configuration. (Turam Method).

The source consists of a large loop, with sides several thousands of feet long, to which alternating current of 200, 400 or 800 Hz is supplied by a motor generator set which drives an electric convertor.

The receiver system consists of two coils, one of which incorporates the compensator. The latter measures the intensity ratio and phase difference between the-fields received in the two coils.

Advanced solid state circuitry, a design based on long experience, and an indestructable fibre glass construction make the SE-71 an instrument combining high sensitivity and a drift free performance with lightness, exceptional reliability and sturdiness.

Specific advantages of the Turam method compared to other electromagnetic procedures are the great depth of exploration, the high accuracy and diagnostic quality of the data, and the absence of topographic distortion in the measurements. It is unique in performing successfully under conditions of heavy overburden and of extremely rugged topography.

## SPECIFICATIONS

TRANSMITTER SYSTEM: (Mounted on packframe)

Briggs & Stratton 2 H.P. Engine

Bosch 12V. D.C. Generator

DC-AC Convertor, 200, 400, 800 c.p.s. ±1%

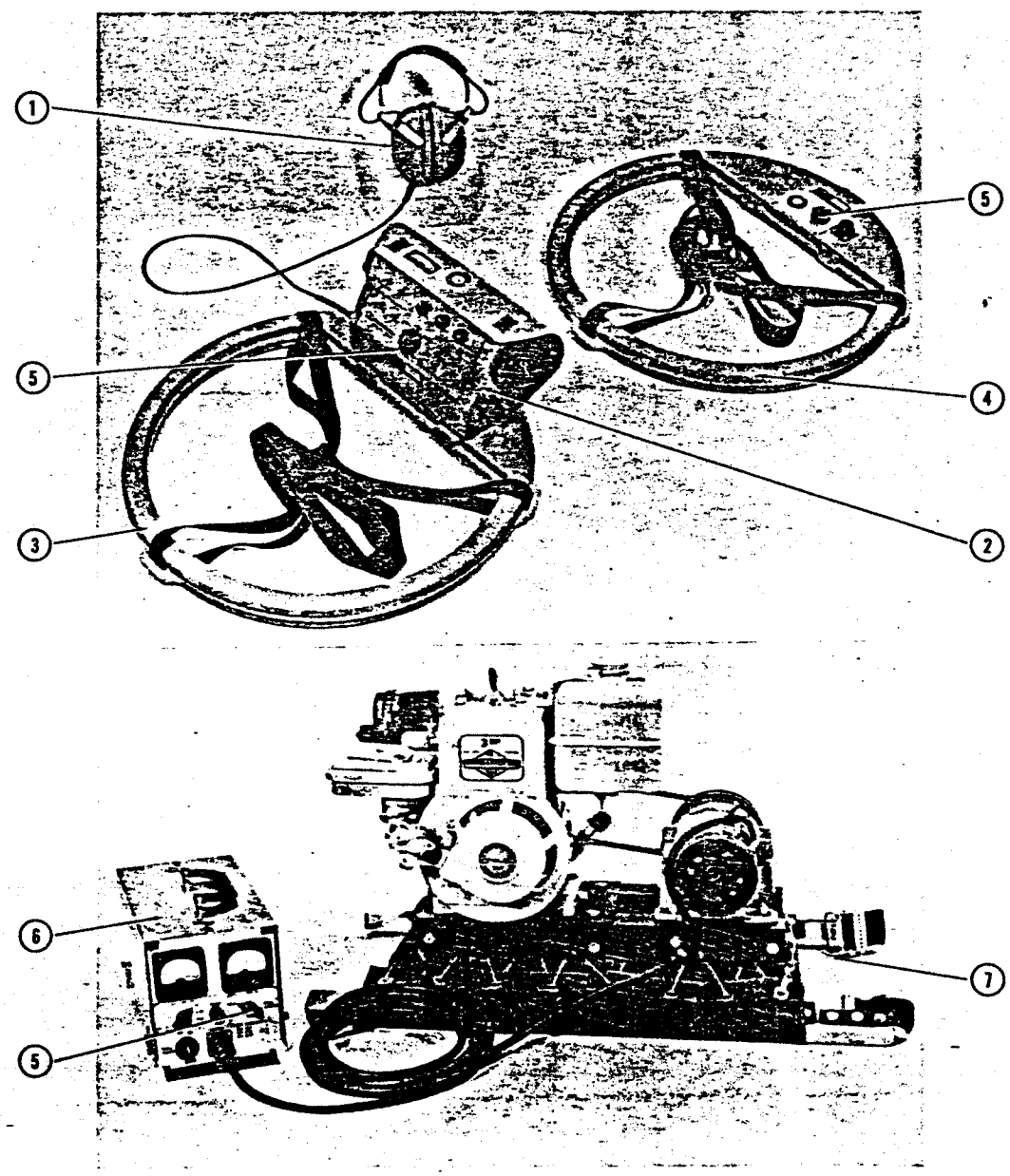
Available output power 180 Watts

Weight complete — 67 lbs. (30 kg.)

RECEIVER SYSTEM:

| | |
|---|---|
| Coil Size | 20½ inches |
| Frequency | 200, 400, 800 c.p.s. tuneable over range of ±5% |
| Battery | Type Eveready #216, 9V, life expectancy: 2 months |
| Read-Out | Field strength ratio and phase difference |
| Read-Out Range | 0% to 200% ±20° |
| Weight — | Each coil — 3 lbs. (1.4 kg.) |
| Weight — | Console — 5 lbs. (2.3 kg.) |
| Weight — | Interconnecting cable — 7 lbs. (3.2 kg.) |

# DESCRIPTION OF THE SE-71
# 3 FREQUENCY TURAM SYSTEM




1. Headphones
2. Compensator
3. Compensator Coil
4. Assistance Coil
5. Frequency Switch
6. Convertor
7. Motor-generator set

SCINTREX LIMITED
222 Snidercroft Road · Concord, Ontario, Canada

# SPECIFICATIONS

## GEOMETRICS MODEL G 816
## PORTABLE PROTON MAGNETOMETER

**SENSITIVITY:** ±1 gamma throughout range

**RANGE:** 20,000 to 90,000 gammas (worldwide)

**TUNING:** Multi-position switch with signal amplitude indicator light on display

**GRADIENT TOLERANCE:** Exceeds 150 gammas/ft.

**SAMPLING RATE:** Manual push-button, one reading each 6 seconds

**OUTPUT:** 5 digit numeric display with readout directly in gammas

**POWER REQUIREMENTS:** Twelve self-contained 1.5 volt "D" cell, universally available flashlight-type batteries. Charge state or replacement signified by flashing indicator light on display.

| Battery Type | Number of Readings |
|---|---|
| Alkaline | over 10,000 |
| Premium Carbon Zinc | over 4,000 |
| Standard Flashlight | over 1,500 |

NOTE: Battery life decreases with temperature

**TEMPERATURE RANGE:**

| | |
|---|---|
| Console and sensor. | -40° to +85°C |
| Battery Pack: | 0° to +50°C (limited use to -15°C, lower temperature operation-optional) |

**ACCURACY (Total Field):** ±1 gamma through 0° to 50°C temperature range

# LACOSTE AND ROMBERG MODEL G
# GEODETIC GRAVITY METER
# SPECIFICATION SHEET

| | | |
|---|---|---|
| Range: | over 7000 milligals | |
| Reading Accuracy: | ± 0.01 milligal | |
| Drift: | normally less than 0.5 milligals per month (Achieved by a thermistor-transitor heater control system) | |
| Calibration: | stable, never needs recalibration | |
| Operation Principle: | zero length spring suspension supporting a weight on the end of a horizontal beam | |
| Power Supply: | 12 volt Nickel-Cadmium battery | |
| Dimensions: | Length | $6\frac{1}{2}$ inches |
| | Width | 5 3/4 inches |
| | Height | $8\frac{1}{2}$ inches |
| Weight: | Gravity Meter | 5 pounds |
| | Battery | 6 pounds |
| | Meter and Battery in carrying case | 20 pounds |

# APPENDIX 4 - GRAVITY DATA

FISHOOK #2 GRID

| LINE | STATION | BOUGUER STATION | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L960E | 600N | 5755.22 | 0.48 | 5755.70 |
| | 570N | 5.27 | 0.47 | 5.74 |
| | 540N | 5.27 | 0.49 | 5.76 |
| | 510N | 5.29 | 0.52 | 5.81 |
| | 480N | 5.37 | 0.58 | 5.95 |
| | 450N | 5.35 | 0.65 | 6.00 |
| | 420N | 5.29 | 0.77 | 6.06 |
| | 390N | 5.19 | 0.95 | 6.14 |
| | 360N | 5.17 | 1.17 | 6.34 |
| | 330N | 5.84 | 1.38 | 7.22 |
| | 300N | 4.92 | 1.46 | 6.38 |
| | 270N | 4.99 | 1.41 | 6.40 |
| | 240N | 4.85 | 1.28 | 6.13 |
| | 210N | 5.01 | 1.17 | 6.18 |
| | 180N | 5.13 | 1.11 | 6.24 |
| | 150N | 5.20 | 1.13 | 6.33 |
| | 120N | 5.25 | 1.18 | 6.43 |
| | 90N | 5.23 | 1.23 | 6.46 |
| | 60N | 5.33 | 1.18 | 6.51 |
| | 30N | 5.46 | 1.02 | 6.48 |
| | 0 | 5.67 | 0.84 | 6.51 |
| | 30S | 5.74 | 0.72 | 6.46 |
| | 60S | 5.75 | 0.70 | 6.45 |
| | 90S | 5.65 | 0.75 | 6.40 |
| | 120S | 5.70 | 0.81 | 6.51 |
| | 150S | 5.65 | 0.89 | 6.54 |
| | 180S | 5.42 | 0.99 | 6.41 |
| | 210S | 5.38 | 1.14 | 6.52 |
| | 240S | 5.11 | 1.31 | 6.42 |
| | 270S | 5.35 | 1.41 | 6.76 |
| | 300S | 5.55 | 1.39 | 6.94 |
| | 330S | 5.63 | 1.25 | 6.88 |
| | 360S | 5.68 | 1.17 | 6.85 |
| | 390S | 5.50 | 1.16 | 6.66 |
| | 420S | 5.47 | 1.25 | 6.72 |
| | 450S | 5.43 | 1.33 | 6.76 |
| | 480S | 5.24 | 1.44 | 6.68 |
| | 510S | 4.89 | 1.60 | 6.49 |
| | 540S | 4.42 | 1.82 | 6.24 |
| | 570S | 3.99 | 2.02 | 6.01 |
| | 600S | 5.03 | 2.20 | 7.23 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L720E | 600N | 5755.08 | 0.62 | 5755.70 |
| | 570N | 5.02 | 0.61 | 5.63 |
| | 540N | 5.59 | 0.64 | 6.23 |
| | 510N | 5.01 | 0.72 | 5.73 |
| | 480N | 4.99 | 0.84 | 5.83 |
| | 450N | 5.29 | 0.99 | 6.28 |
| | 420N | 5.03 | 1.15 | 6.18 |
| | 390N | 4.93 | 1.24 | 6.17 |
| | 360N | 5.25 | 1.25 | 6.50 |
| | 330N | 5.25 | 1.17 | 6.42 |
| | 300N | 5.16 | 1.10 | 6.26 |
| | 270N | 5.14 | 1.03 | 6.17 |
| | 240N | 5.09 | 1.00 | 6.09 |
| | 210N | 5.38 | 0.98 | 6.36 |
| | 180N | 5.55 | 0.97 | 6.52 |
| | 150N | 5.45 | 0.93 | 6.38 |
| | 120N | 5.43 | 0.87 | 6.30 |
| | 90N | 5.49 | 0.76 | 6.25 |
| | 60N | 5.64 | 0.64 | 6.28 |
| | 30N | 5.72 | 0.53 | 6.25 |
| | 0 | 5.70 | 0.45 | 6.15 |
| | 30S | 5.92 | 0.42 | 6.34 |
| | 60S | 5.89 | 0.42 | 6.31 |
| | 90S | 6.35 | 0.44 | 6.79 |
| | 120S | 6.24 | 0.47 | 6.71 |
| | 150S | 6.34 | 0.50 | 6.84 |
| | 180S | 6.31 | 0.50 | 6.81 |
| | 210S | 6.49 | 0.48 | 6.97 |
| | 240S | 6.44 | 0.46 | 6.90 |
| | 270S | 6.52 | 0.47 | 6.99 |
| | 300S | 6.44 | 0.51 | 6.95 |
| | 330S | 6.37 | 0.57 | 6.94 |
| | 360S | 6.19 | 0.66 | 6.85 |
| | 390S | 5.97 | 0.81 | 6.78 |
| | 420S | 5.97 | 0.98 | 6.95 |
| | 450S | 5.92 | 1.15 | 7.07 |
| | 480S | 5.44 | 1.29 | 6.73 |
| | 510S | 5.62 | 1.41 | 7.03 |
| | 540S | 5.34 | 1.52 | 6.86 |
| | 570S | 5.17 | 1.67 | 6.84 |
| | 600S | 5.19 | 1.85 | 7.04 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L480E | 600N | 5754.61 | 0.68 | 5755.29 |
| | 570N | 4.61 | 0.70 | 5.31 |
| | 540N | 4.53 | 0.75 | 5.28 |
| | 510N | 4.29 | 0.83 | 5.12 |
| | 480N | 4.43 | 0.97 | 5.41 |
| | 450N | 4.38 | 1.15 | 5.53 |
| | 420N | 4.46 | 1.38 | 5.84 |
| | 390N | 4.40 | 1.57 | 5.97 |
| | 360N | 4.62 | 1.66 | 6.28 |
| | 330N | 4.70 | 1.60 | 6.30 |
| | 300N | 4.42 | 1.45 | 5.87 |
| | 270N | 4.87 | 1.29 | 6.16 |
| | 240N | 5.21 | 1.19 | 6.40 |
| | 210N | 5.11 | 1.14 | 6.25 |
| | 180N | 5.22 | 1.07 | 6.29 |
| | 150N | 5.27 | 0.92 | 6.19 |
| | 120N | 5.52 | 0.74 | 6.26 |
| | 90N | 5.77 | 0.59 | 6.36 |
| | 60N | 5.65 | 0.49 | 6.14 |
| | 30N | 5.78 | 0.42 | 6.20 |
| | 0 | 5.76 | 0.37 | 6.13 |
| | 30S | 5.90 | 0.35 | 6.25 |
| | 60S | 5.72 | 0.36 | 6.08 |
| | 90S | 5.76 | 0.38 | 6.14 |
| | 120S | 5.92 | 0.40 | 6.32 |
| | 150S | 5.75 | 0.41 | 6.16 |
| | 180S | 6.52 | 0.37 | 6.89 |
| | 210S | 6.52 | 0.32 | 6.84 |
| | 240S | 6.38 | 0.31 | 6.69 |
| | 270S | 6.05 | 0.35 | 6.40 |
| | 300S | 6.11 | 0.40 | 6.51 |
| | 330S | 5.92 | 0.39 | 6.31 |
| | 360S | 6.02 | 0.41 | 6.43 |
| | 390S | 6.15 | 0.45 | 6.60 |
| | 420S | 6.08 | 0.53 | 6.61 |
| | 450S | 5.93 | 0.56 | 6.49 |
| | 480S | 5.92 | 0.60 | 6.52 |
| | 510S | 6.02 | 0.65 | 6.67 |
| | 540S | 5.75 | 0.78 | 6.53 |
| | 570S | 5.50 | 0.92 | 6.42 |
| | 600S | 5.96 | 1.04 | 7.00 |
| | 630S | 5.93 | 1.08 | 7.01 |
| | 660S | 5.94 | 1.11 | 7.05 |
| | 690S | 5.85 | 1.10 | 6.95 |
| | 720S | 5.69 | 1.15 | 6.84 |
| | 750S | 5.74 | 1.20 | 6.94 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L480E | 780S | 5755.74 | 1.25 | 5756.99 |
| | 810S | 5.80 | 1.29 | 7.09 |
| | 840S | 5.90 | 1.34 | 7.24 |
| | 870S | 5.91 | 1.43 | 7.34 |
| | 900S | 6.01 | 1.55 | 7.56 |
| L240E | 600N | 5755.39 | 0.74 | 5756.13 |
| | 570N | 5.61 | 0.79 | 6.40 |
| | 540N | 5.45 | 0.83 | 6.28 |
| | 510N | 5.38 | 0.87 | 6.25 |
| | 480N | 5.38 | 0.89 | 6.27 |
| | 450N | 5.43 | 0.94 | 6.37 |
| | 420N | 5.55 | 1.06 | 6.61 |
| | 390N | 5.52 | 1.18 | 6.70 |
| | 360N | 5.43 | 1.27 | 6.70 |
| | 330N | 5.24 | 1.22 | 6.46 |
| | 300N | 5.54 | 1.09 | 6.63 |
| | 270N | 6.58 | 0.90 | 7.48 |
| | 240N | 6.68 | 0.74 | 7.42 |
| | 210N | 6.38 | 0.65 | 7.03 |
| | 180N | 5.57 | 0.66 | 6.23 |
| | 150N | 5.83 | 0.70 | 6.53 |
| | 120N | 5.56 | 0.70 | 6.26 |
| | 90N | 5.89 | 0.63 | 6.52 |
| | 60N | 5.82 | 0.51 | 6.33 |
| | 30N | 5.93 | 0.39 | 6.32 |
| | 0 | 5.93 | 0.30 | 6.23 |
| | 30S | 6.11 | 0.25 | 6.36 |
| | 60S | 6.12 | 0.21 | 6.33 |
| | 90S | 6.20 | 0.21 | 6.41 |
| | 120S | 6.24 | 0.27 | 6.51 |
| | 150S | 6.18 | 0.35 | 6.53 |
| | 180S | 6.20 | 0.40 | 6.60 |
| | 210S | 6.28 | 0.38 | 6.66 |
| | 240S | 6.49 | 0.34 | 6.83 |
| | 270S | 6.56 | 0.33 | 6.89 |
| | 300S | 6.53 | 0.34 | 6.87 |
| | 330S | 6.67 | 0.32 | 6.99 |
| | 360S | 6.80 | 0.27 | 7.07 |
| | 390S | 6.73 | 0.25 | 6.98 |
| | 420S | 6.67 | 0.29 | 6.96 |
| | 450S | 6.43 | 0.40 | 6.83 |
| | 480S | 6.04 | 0.57 | 6.61 |
| | 510S | 5.49 | 0.78 | 6.27 |
| | 540S | 4.80 | 0.95 | 5.75 |
| | 570S | 4.72 | 1.05 | 5.77 |
| | 600S | 5.16 | 1.13 | 6.29 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L240E | 630S | 5753.78 | 1.19 | 5754.97 |
| | 660S | 3.78 | 1.30 | 5.08 |
| | 690S | 3.68 | 1.42 | 5.10 |
| | 720S | 3.69 | 1.56 | 5.25 |
| | 750S | 3.87 | 1.63 | 5.50 |
| | 780S | 4.19 | 1.61 | 5.80 |
| | 810S | 4.40 | 1.55 | 5.95 |
| | 840S | 4.50 | 1.51 | 6.01 |
| | 870S | 4.53 | 1.60 | 6.13 |
| | 900S | 4.42 | 1.74 | 6.16 |
| | 930S | 4.46 | 1.93 | 6.39 |
| | 960S | 4.68 | 2.10 | 6.78 |
| LO | 600N | 5755.26 | 0.74 | 5756.00 |
| | 570N | 5.35 | 0.75 | 6.10 |
| | 540N | 5.32 | 0.81 | 6.13 |
| | 510N | 5.38 | 0.88 | 6.26 |
| | 480N | 5.30 | 0.92 | 6.22 |
| | 450N | 5.15 | 0.95 | 6.10 |
| | 420N | 5.12 | 1.04 | 6.16 |
| | 390N | 5.19 | 1.20 | 6.39 |
| | 360N | 5.21 | 1.39 | 6.60 |
| | 330N | 5.21 | 1.44 | 6.65 |
| | 300N | 5.52 | 1.34 | 6.86 |
| | 270N | 5.53 | 1.13 | 6.66 |
| | 240N | 5.80 | 0.93 | 6.73 |
| | 210N | 6.22 | 0.80 | 7.02 |
| | 180N | 7.47 | 0.70 | 8.17 |
| | 150N | 6.71 | 0.63 | 7.34 |
| | 120N | ---- | 0.57 | ---- |
| | 90N | 6.66 | 0.52 | 7.18 |
| | 60N | 6.27 | 0.47 | 6.74 |
| | 30N | 6.87 | 0.40 | 7.27 |
| | 0 | 6.89 | 0.35 | 7.24 |
| | 30S | 6.95 | 0.32 | 7.27 |
| | 60S | 6.73 | 0.31 | 7.04 |
| | 90S | 6.73 | 0.34 | 7.07 |
| | 120S | 6.75 | 0.39 | 7.14 |
| | 150S | 6.68 | 0.44 | 7.12 |
| | 180S | 6.91 | 0.43 | 7.34 |
| | 210S | 7.17 | 0.38 | 7.55 |
| | 240S | 7.34 | 0.32 | 7.66 |
| | 270S | 7.40 | 0.32 | 7.72 |
| | 300S | 6.85 | 0.35 | 7.20 |
| | 330S | 6.51 | 0.39 | 6.90 |
| | 360S | 6.87 | 0.43 | 7.30 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| LO | 390S | 5756.62 | 0.55 | 5757.17 |
| | 420S | 6.23 | 0.83 | 7.06 |
| | 450S | 5.49 | 1.24 | 6.73 |
| | 480S | 4.49 | 1.66 | 6.15 |
| | 510S | 4.15 | 2.03 | 6.18 |
| | 540S | 3.40 | 2.34 | 5.74 |
| | 570S | 1.94 | 2.57 | 4.51 |
| | 600S | 3.23 | 2.69 | 5.92 |
| | 630S | 0.81 | 2.64 | 3.45 |
| | 660S | 1.32 | 2.56 | 3.88 |
| | 690S | 2.19 | 2.50 | 4.69 |
| | 720S | 2.19 | 2.58 | 4.77 |
| | 750S | 2.49 | 2.64 | 5.13 |
| | 780S | 2.97 | 2.58 | 5.55 |
| | 810S | 3.36 | 2.37 | 5.73 |
| | 840S | 3.60 | 2.13 | 5.73 |
| | 870S | 3.66 | 2.04 | 5.70 |
| | 900S | 3.73 | 2.07 | 5.80 |
| L240W | 600N | 5755.64 | 0.81 | 5756.45 |
| | 570N | 5.76 | 0.85 | 6.61 |
| | 540N | 4.82 | 0.89 | 5.71 |
| | 510N | 5.97 | 0.89 | 6.86 |
| | 480N | 5.25 | 0.89 | 6.14 |
| | 450N | 5.33 | 0.88 | 6.21 |
| | 420N | 5.29 | 0.90 | 6.19 |
| | 390N | 5.54 | 0.92 | 6.46 |
| | 360N | 5.65 | 0.91 | 6.56 |
| | 330N | 5.82 | 0.92 | 6.74 |
| | 300N | 5.79 | 0.97 | 6.76 |
| | 270N | 5.83 | 1.16 | 6.99 |
| | 240N | 5.96 | 1.38 | 7.34 |
| | 210N | 5.84 | 1.53 | 7.37 |
| | 180N | 5.39 | 1.47 | 6.86 |
| | 150N | 5.35 | 1.25 | 6.60 |
| | 120N | 5.48 | 1.03 | 6.51 |
| | 90N | 5.79 | 0.92 | 6.71 |
| | 60N | 5.94 | 0.88 | 6.82 |
| | 30N | 5.72 | 0.78 | 6.50 |
| | 0 | 6.21 | 0.61 | 6.81 |
| | 30S | 6.63 | 0.45 | 7.08 |
| | 60S | 6.67 | 0.35 | 7.02 |
| | 90S | 6.59 | 0.32 | 6.91 |
| | 120S | 6.68 | 0.31 | 6.99 |
| | 150S | 6.58 | 0.30 | 6.88 |
| | 180S | 6.56 | 0.28 | 6.84 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L240W | 210S | 5757.12 | 0.28 | 5757.40 |
| | 240S | 6.19 | 0.31 | 6.50 |
| | 270S | 6.57 | 0.35 | 6.92 |
| | 300S | 6.63 | 0.41 | 7.04 |
| | 330S | 6.73 | 0.47 | 7.20 |
| | 360S | 6.45 | 0.57 | 7.02 |
| | 390S | 6.05 | 0.75 | 6.80 |
| | 420S | 5.66 | 1.02 | 6.68 |
| | 450S | 5.20 | 1.34 | 6.54 |
| | 480S | 4.36 | 1.61 | 5.97 |
| | 510S | 4.27 | 1.82 | 6.09 |
| | 540S | 3.99 | 2.01 | 6.00 |
| | 570S | 3.64 | 2.21 | 5.85 |
| | 600S | 2.64 | 2.42 | 5.06 |
| | 630S | 2.64 | 2.63 | 5.27 |
| | 660S | 2.64 | 2.86 | 5.50 |
| L480W | 600N | 5754.74 | 0.81 | 5755.55 |
| | 570N | 4.83 | 0.77 | 5.60 |
| | 540N | 4.93 | 0.77 | 5.70 |
| | 510N | 4.88 | 0.80 | 5.68 |
| | 480N | 5.05 | 0.84 | 5.89 |
| | 450N | 5.25 | 0.86 | 6.11 |
| | 420N | 5.35 | 0.86 | 6.21 |
| | 390N | 5.54 | 0.87 | 6.41 |
| | 360N | 5.60 | 0.89 | 6.49 |
| | 330N | 5.58 | 0.92 | 6.50 |
| | 300N | 5.62 | 0.95 | 6.57 |
| | 270N | 5.71 | 1.02 | 6.73 |
| | 240N | 5.87 | 1.11 | 6.98 |
| | 210N | 5.89 | 1.22 | 7.11 |
| | 180N | 5.76 | 1.25 | 7.01 |
| | 150N | 5.94 | 1.19 | 7.13 |
| | 120N | 5.85 | 1.04 | 6.89 |
| | 90N | 5.70 | 0.89 | 6.59 |
| | 60N | 5.60 | 0.80 | 6.39 |
| | 30N | 5.81 | 0.76 | 6.57 |
| | 0 | 5.89 | 0.76 | 6.65 |
| | 30S | 6.07 | 0.74 | 6.81 |
| | 60S | 6.13 | 0.70 | 6.83 |
| | 90S | 6.24 | 0.67 | 6.91 |
| | 120S | 6.49 | 0.64 | 7.13 |
| | 150S | 6.68 | 0.60 | 7.28 |
| | 180S | 6.69 | 0.57 | 7.26 |
| | 210S | 6.83 | 0.57 | 7.40 |
| | 240S | 6.82 | 0.62 | 7.44 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L480W | 270S | 5756.69 | 0.69 | 5757.38 |
| | 300S | 6.52 | 0.74 | 7.26 |
| | 330S | 6.34 | 0.77 | 7.11 |
| | 360S | 6.50 | 0.80 | 7.30 |
| | 390S | 6.30 | 0.88 | 7.18 |
| | 420S | 6.23 | 1.01 | 7.24 |
| | 450S | 5.96 | 1.18 | 7.14 |
| | 480S | 5.81 | 1.32 | 7.13 |
| | 510S | 5.69 | 1.43 | 7.12 |
| | 540S | 5.77 | 1.51 | 7.28 |
| | 570S | 5.83 | 1.59 | 7.42 |
| | 600S | 5.75 | 1.69 | 7.44 |
| | 630S | 5.81 | 1.72 | 7.53 |
| | 660S | 6.05 | 1.70 | 7.75 |
| | 690S | 6.23 | 1.64 | 7.87 |
| | 720S | 6.29 | 1.63 | 7.92 |
| | 750S | 6.26 | 1.63 | 7.89 |
| | 780S | 6.20 | 1.68 | 7.88 |
| | 810S | 5.93 | 1.79 | 7.72 |
| | 840S | 5.27 | 2.01 | 7.28 |
| | 870S | ---- | 2.25 | ---- |
| | 900S | 5.27 | 2.37 | 7.64 |
| | 930S | 5.26 | 2.33 | 7.59 |
| | 960S | 5.39 | 2.20 | 7.59 |
| | 990S | 5.06 | 2.12 | 7.18 |
| | 1020S | 5.08 | 2.10 | 7.18 |
| L720W | 600N | 5752.98 | 1.00 | 5753.98 |
| | 570N | 3.12 | 0.94 | 4.06 |
| | 540N | 3.21 | 0.93 | 4.14 |
| | 510N | 3.21 | 0.96 | 4.17 |
| | 480N | 3.27 | 1.02 | 4.29 |
| | 450N | 3.50 | 1.06 | 4.56 |
| | 420N | 3.65 | 1.10 | 4.75 |
| | 390N | 3.69 | 1.12 | 4.81 |
| | 260N | 3.93 | 1.11 | 5.04 |
| | 330N | 4.17 | 1.07 | 5.24 |
| | 300N | 4.39 | 1.02 | 5.41 |
| | 270N | 4.47 | 0.99 | 5.46 |
| | 240N | 4.62 | 0.97 | 5.59 |
| | 210N | 4.73 | 0.93 | 5.66 |
| | 180N | 4.97 | 0.84 | 5.81 |
| | 150N | 5.18 | 0.76 | 5.94 |
| | 120N | 5.68 | 0.75 | 6.43 |
| | 90N | 6.02 | 0.80 | 6.82 |
| | 60N | 6.34 | 0.86 | 7.20 |
| | 30N | 6.41 | 0.87 | 7.28 |
| | 0 | ---- | 0.81 | ---- |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L720W | 30S | 5756.22 | 0.73 | 5756.95 |
| | 60S | 6.21 | 0.69 | 6.90 |
| | 90S | 6.20 | 0.72 | 6.92 |
| | 120S | 6.56 | 0.78 | 7.34 |
| | 150S | 6.59 | 0.80 | 7.39 |
| | 180S | 6.54 | 0.76 | 7.30 |
| | 210S | 6.75 | 0.71 | 7.46 |
| | 240S | 6.64 | 0.71 | 7.35 |
| | 270S | 6.53 | 0.81 | 7.34 |
| | 300S | 6.62 | 0.97 | 7.59 |
| | 330S | 6.54 | 1.12 | 7.66 |
| | 360S | 6.53 | 1.20 | 7.73 |
| | 390S | 6.64 | 1.19 | 7.83 |
| | 420S | 6.59 | 1.13 | 7.72 |
| | 450S | 6.30 | 1.04 | 7.34 |
| | 480S | 6.47 | 0.97 | 7.44 |
| | 510S | 6.51 | 0.98 | 7.49 |
| | 540S | 6.78 | 1.06 | 7.84 |
| | 570S | ---- | 1.12 | ---- |
| | 600S | 6.54 | 1.15 | 7.69 |
| | 630S | 6.82 | 1.12 | 7.94 |
| | 660S | 6.83 | 1.13 | 7.96 |
| | 690S | 6.80 | 1.17 | 7.97 |
| | 720S | 6.76 | 1.28 | 8.04 |
| | 750S | 7.17 | 1.38 | 8.55 |
| | 780S | 6.82 | 1.46 | 8.28 |
| | 810S | 6.92 | 1.52 | 8.44 |
| | 840S | 6.90 | 1.58 | 8.48 |
| | 870S | 6.75 | 1.65 | 8.40 |
| | 900S | 6.60 | 1.68 | 8.28 |
| | 930S | 6.33 | 1.63 | 7.96 |
| | 960S | 6.50 | 1.49 | 7.99 |
| | 1020S | 6.09 | 1.24 | 7.33 |
| L960W | 600N | 5753.48 | 1.31 | 5754.79 |
| | 570N | 3.50 | 1.24 | 4.74 |
| | 540N | 3.22 | 1.27 | 4.49 |
| | 510N | 2.75 | 1.39 | 4.14 |
| | 480N | 2.91 | 1.58 | 4.49 |
| | 450N | 3.35 | 1.73 | 5.08 |
| | 420N | 3.81 | 1.81 | 5.62 |
| | 390N | 4.00 | 1.78 | 5.78 |
| | 360N | 4.09 | 1.65 | 5.74 |
| | 330N | 4.59 | 1.42 | 6.01 |
| | 300N | 4.81 | 1.19 | 6.00 |
| | 270N | 5.11 | 1.01 | 6.12 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L960W | 240N | 5755.41 | 0.91 | 5756.32 |
| | 210N | 5.49 | 0.84 | 6.33 |
| | 180N | 5.67 | 0.79 | 6.46 |
| | 150N | 5.71 | 0.74 | 6.45 |
| | 120N | 5.90 | 0.72 | 6.62 |
| | 90N | 5.94 | 0.72 | 6.66 |
| | 60N | 5.98 | 0.76 | 6.74 |
| | 30N | 6.08 | 0.78 | 6.86 |
| | 0 | 6.09 | 0.77 | 6.86 |
| | 30S | 6.05 | 0.74 | 6.79 |
| | 60S | 6.21 | 0.69 | 6.90 |
| | 90S | 6.40 | 0.66 | 7.06 |
| | 120S | 6.48 | 0.65 | 7.13 |
| | 150S | 6.47 | 0.63 | 7.10 |
| | 180S | 6.51 | 0.62 | 7.13 |
| | 210S | 6.40 | 0.62 | 7.02 |
| | 240S | 6.51 | 0.63 | 7.14 |
| | 270S | 6.70 | 0.62 | 7.32 |
| | 300S | 6.77 | 0.60 | 7.37 |
| | 330S | 6.70 | 0.59 | 7.29 |
| | 360S | 6.52 | 0.64 | 7.16 |
| | 390S | 6.46 | 0.77 | 7.23 |
| | 420S | 6.51 | 0.94 | 7.45 |
| | 450S | 6.32 | 1.07 | 7.39 |
| | 480S | 6.15 | 1.07 | 7.22 |
| | 510S | 6.11 | 1.01 | 7.12 |
| | 540S | 6.12 | 0.97 | 7.09 |
| | 570S | 6.11 | 1.00 | 7.11 |
| | 600S | 6.13 | 1.08 | 7.21 |
| | 630S | 5.73 | 1.20 | 6.93 |
| | 660S | 5.44 | 1.38 | 6.82 |
| | 690S | 5.51 | 1.54 | 7.05 |
| | 720S | ---- | 1.62 | ---- |
| | 750S | 6.13 | 1.54 | 7.67 |
| | 780S | 6.30 | 1.38 | 7.68 |
| | 810S | 6.47 | 1.24 | 7.71 |
| | 840S | 6.64 | 1.17 | 7.81 |
| | 870S | 6.47 | 1.18 | 7.65 |
| | 900S | 6.48 | 1.24 | 7.72 |
| | 930S | 6.50 | 1.31 | 7.81 |
| | 960S | 6.46 | 1.33 | 7.79 |
| | 990S | 6.47 | 1.29 | 7.76 |
| | 1020S | 6.36 | 1.21 | 7.57 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L1200W | 600N | 5750.65 | 1.70 | 5752.35 |
| | 570N | 0.94 | 1.66 | 2.60 |
| | 540N | 1.30 | 1.60 | 2.90 |
| | 510N | 1.44 | 1.52 | 2.96 |
| | 480N | 1.65 | 1.50 | 3.15 |
| | 450N | 1.74 | 1.57 | 3.31 |
| | 420N | 2.16 | 1.79 | 3.95 |
| | 390N | 2.31 | 2.01 | 4.32 |
| | 360N | 2.56 | 2.03 | 4.59 |
| | 330N | 3.19 | 1.76 | 4.95 |
| | 300N | 3.87 | 1.37 | 5.24 |
| | 270N | 3.92 | 1.06 | 4.98 |
| | 240N | 4.32 | 0.92 | 5.24 |
| | 210N | 4.51 | 0.86 | 5.37 |
| | 180N | 4.66 | 0.81 | 5.47 |
| | 150N | 4.91 | 0.78 | 5.69 |
| | 120N | 5.03 | 0.79 | 5.82 |
| | 90N | 4.98 | 0.80 | 5.78 |
| | 60N | 5.14 | 0.78 | 5.92 |
| | 30N | 5.36 | 0.72 | 6.08 |
| | 0 | 5.64 | 0.65 | 6.29 |
| | 30S | 5.78 | 0.62 | 6.40 |
| | 60S | 5.82 | 0.61 | 6.43 |
| | 90S | 5.85 | 0.59 | 6.44 |
| | 120S | 5.84 | 0.54 | 6.38 |
| | 150S | 6.02 | 0.47 | 6.49 |
| | 180S | 6.08 | 0.42 | 6.50 |
| | 210S | 6.03 | 0.39 | 6.42 |
| | 240S | 6.14 | 0.39 | 6.53 |
| | 270S | 5.98 | 0.41 | 6.39 |
| | 300S | 5.94 | 0.48 | 6.42 |
| | 330S | 5.96 | 0.57 | 6.53 |
| | 360S | 5.84 | 0.66 | 6.50 |
| | 390S | 6.00 | 0.80 | 6.80 |
| | 420S | 6.06 | 1.01 | 7.07 |
| | 450S | 6.02 | 1.32 | 7.34 |
| | 480S | 5.93 | 1.56 | 7.49 |
| | 510S | 5.72 | 1.78 | 7.50 |
| | 540S | 5.31 | 1.95 | 7.26 |
| | 570S | 5.37 | 2.14 | 7.51 |
| | 600S | 5.23 | 2.26 | 7.49 |
| | 630S | 5.38 | 2.14 | 7.52 |
| | 660S | 5.44 | 1.84 | 7.28 |
| | 690S | 5.65 | 1.42 | 7.07 |
| | 720S | 5.75 | 1.15 | 6.90 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L1200W | 750S | 5755.59 | 0.99 | 5756.58 |
| | 780S | 5.74 | 0.96 | 6.70 |
| | 810S | 5.86 | 0.94 | 6.80 |
| | 840S | 5.82 | 0.93 | 6.75 |
| | 870S | 5.75 | 0.88 | 6.63 |
| | 900S | 5.81 | 0.82 | 6.63 |
| | 930S | 5.98 | 0.74 | 6.72 |
| | 960S | 5.88 | 0.69 | 6.57 |
| | 990S | 5.93 | 0.68 | 6.61 |
| L1440W | 570N | 5751.76 | 3.51 | 5755.27 |
| | 540N | 2.21 | 2.80 | 5.01 |
| | 510N | 2.78 | 2.29 | 5.07 |
| | 480N | 2.50 | 2.14 | 4.64 |
| | 450N | ---- | 2.27 | ---- |
| | 420N | ---- | 2.41 | ---- |
| | 390N | 2.63 | 2.29 | 4.92 |
| | 360N | 3.30 | 1.91 | 5.21 |
| | 330N | 3.50 | 1.57 | 5.07 |
| | 300N | 3.44 | 1.38 | 4.82 |
| | 270N | 3.45 | 1.34 | 4.79 |
| | 240N | 3.83 | 1.27 | 5.10 |
| | 210N | 3.93 | 1.19 | 5.12 |
| | 180N | 4.14 | 1.08 | 5.22 |
| | 150N | 4.15 | 0.98 | 5.13 |
| | 120N | 4.56 | 0.85 | 5.41 |
| | 90N | 4.80 | 0.75 | 5.55 |
| | 60N | 4.97 | 0.69 | 5.66 |
| | 30N | 5.13 | 0.67 | 5.80 |
| | 0 | 5.95 | 0.66 | 6.61 |
| | 30S | 5.20 | 0.65 | 5.85 |
| | 60S | 5.18 | 0.63 | 5.81 |
| | 90S | 5.30 | 0.60 | 5.90 |
| | 120S | 5.25 | 0.54 | 5.79 |
| | 150S | 5.47 | 0.49 | 5.96 |
| | 180S | 5.66 | 0.45 | 6.11 |
| | 210S | 5.77 | 0.43 | 6.20 |
| | 240S | 5.87 | 0.44 | 6.31 |
| | 270S | 5.71 | 0.47 | 6.18 |
| | 300S | 5.83 | 0.54 | 6.37 |
| | 330S | 5.86 | 0.64 | 6.50 |
| | 360S | 5.78 | 0.72 | 6.50 |
| | 390S | 5.87 | 0.77 | 6.64 |
| | 420S | 5.83 | 0.80 | 6.63 |
| | 450S | 5.68 | 0.87 | 6.55 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L1440W | 480S | 5755.56 | 1.00 | 5756.56 |
| | 510S | 5.52 | 1.12 | 6.64 |
| | 540S | 5.74 | 1.14 | 6.88 |
| | 570S | 5.73 | 1.05 | 6.78 |
| | 600S | 5.95 | 0.88 | 6.83 |
| | 630S | 6.11 | 0.77 | 6.88 |
| | 660S | 6.22 | 0.71 | 6.93 |
| | 690S | 6.20 | 0.70 | 6.90 |
| | 720S | 6.18 | 0.68 | 6.86 |
| | 750S | 6.26 | 0.65 | 6.91 |
| | 780S | 6.27 | 0.60 | 6.87 |
| | 810S | 6.09 | 0.56 | 6.65 |
| | 840S | 6.29 | 0.54 | 6.83 |
| | 870S | 6.29 | 0.57 | 6.86 |
| | 900S | 6.48 | 0.69 | 7.17 |
| | 930S | 6.39 | 0.85 | 7.24 |
| | 960S | 6.43 | 0.99 | 7.42 |
| | 990S | 6.20 | 1.05 | 7.25 |
| L1680W | 600N | 5751.07 | 3.66 | 5754.73 |
| | 570N | 1.26 | 3.70 | 4.96 |
| | 540N | 1.60 | 3.80 | 5.40 |
| | 480N | 1.91 | 4.03 | 5.94 |
| | 450N | 2.19 | 3.96 | 6.15 |
| | 420N | 2.20 | 3.75 | 5.95 |
| | 390N | 2.89 | 3.39 | 6.28 |
| | 360N | 3.00 | 3.04 | 6.04 |
| | 330N | 3.13 | 2.65 | 5.78 |
| | 300N | 3.34 | 2.37 | 5.71 |
| | 270N | 3.48 | 2.20 | 5.68 |
| | 240N | 3.52 | 2.10 | 5.62 |
| | 210N | 3.81 | 2.00 | 5.81 |
| | 180N | 4.18 | 1.78 | 5.96 |
| | 150N | 4.28 | 1.56 | 5.84 |
| | 120N | 4.37 | 1.34 | 5.71 |
| | 90N | 4.45 | 1.18 | 5.63 |
| | 60N | 4.60 | 1.07 | 5.67 |
| | 30N | 4.61 | 1.02 | 5.63 |
| | 0 | 4.51 | 1.01 | 5.52 |
| | 30S | 4.48 | 0.96 | 5.44 |
| | 60S | 4.68 | 0.86 | 5.54 |
| | 90S | 4.84 | 0.75 | 5.59 |
| | 120S | 5.08 | 0.69 | 5.77 |
| | 150S | 5.28 | 0.68 | 5.96 |
| | 180S | 5.28 | 0.69 | 5.98 |
| | 240S | 5.33 | 0.72 | 6.05 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L1680W | 240S | 5755.42 | 0.75 | 5756.17 |
| | 270S | 5.36 | 0.78 | 6.14 |
| | 300S | 5.55 | 0.81 | 6.36 |
| | 330S | 5.62 | 0.83 | 6.45 |
| | 360S | 5.73 | 0.86 | 6.59 |
| | 390S | 5.59 | 0.87 | 6.46 |
| | 420S | 5.67 | 0.86 | 6.53 |
| | 450S | 5.64 | 0.85 | 6.49 |
| | 480S | 5.82 | 0.84 | 6.66 |
| | 510S | 5.78 | 0.84 | 6.62 |
| | 540S | 5.79 | 0.85 | 6.64 |
| | 570S | 5.93 | 0.86 | 6.79 |
| | 600S | 5.95 | 0.87 | 6.82 |
| LBL0 | 960E | 5755.70 | 0.57 | 5756.27 |
| | 930E | 5.75 | 0.59 | 6.34 |
| | 900E | 5.79 | 0.60 | 6.39 |
| | 870E | 5.74 | 0.58 | 6.32 |
| | 840E | 5.74 | 0.54 | 6.28 |
| | 810E | 5.80 | 0.50 | 6.30 |
| | 780E | 5.88 | 0.47 | 6.35 |
| | 750E | 5.80 | 0.45 | 6.25 |
| | 720E | 5.67 | 0.45 | 6.12 |
| | 690E | 5.53 | 0.43 | 5.96 |
| | 660E | 5.87 | 0.40 | 6.27 |
| | 630E | 5.82 | 0.38 | 6.21 |
| | 600E | 5.76 | 0.37 | 6.13 |
| | 570E | 5.79 | 0.36 | 6.15 |
| | 540E | 5.85 | 0.38 | 6.23 |
| | 510E | 5.89 | 0.40 | 6.29 |
| | 480E | 5.85 | 0.41 | 6.26 |
| | 450E | 5.88 | 0.41 | 6.29 |
| | 420E | 5.87 | 0.41 | 6.28 |
| | 390E | 5.86 | 0.40 | 6.26 |
| | 360E | 5.70 | 0.39 | 6.09 |
| | 330E | 5.85 | 0.38 | 6.23 |
| | 300E | 5.83 | 0.37 | 6.20 |
| | 270E | 6.13 | 0.37 | 6.50 |
| | 240E | 6.14 | 0.37 | 6.51 |
| | 210E | 6.21 | 0.36 | 6.57 |
| | 180E | 6.27 | 0.35 | 6.62 |
| | 150E | 6.38 | 0.36 | 6.74 |
| | 120E | 6.47 | 0.37 | 6.84 |
| | 90E | 6.32 | 0.38 | 6.70 |
| | 60E | 6.39 | 0.37 | 6.76 |
| | 30E | 6.56 | 0.36 | 6.92 |
| | 0 | 6.61 | 0.36 | 6.97 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| LBLO | 30W | 5756.56 | 0.38 | 5756.94 |
| | 60W | 6.42 | 0.42 | 6.84 |
| | 90W | 6.66 | 0.43 | 7.09 |
| | 120W | 6.66 | 0.42 | 7.08 |
| | 150W | 6.56 | 0.44 | 7.00 |
| | 180W | 6.45 | 0.49 | 6.94 |
| | 210W | 6.42 | 0.59 | 7.01 |
| | 240W | 6.19 | 0.60 | 6.79 |
| | 270W | 6.24 | 0.60 | 6.84 |
| | 300W | 6.18 | 0.55 | 6.73 |
| | 330W | 6.31 | 0.54 | 6.85 |
| | 360W | 6.11 | 0.53 | 6.64 |
| | 390W | 5.79 | 0.54 | 6.23 |
| | 420W | 5.91 | 0.59 | 6.50 |
| | 450W | 5.80 | 0.63 | 6.43 |
| | 480W | 5.89 | 0.68 | 6.57 |
| | 510W | 5.92 | 0.67 | 6.59 |
| | 540W | 5.80 | 0.67 | 6.47 |
| | 570W | 5.92 | 0.70 | 6.62 |
| | 600W | 6.16 | 0.77 | 6.93 |
| | 630W | 6.14 | 0.83 | 6.97 |
| | 660W | 6.34 | 0.82 | 7.16 |
| | 690W | 6.34 | 0.80 | 7.14 |
| | 720W | 6.25 | 0.76 | 7.01 |
| | 750W | 6.28 | 0.76 | 7.04 |
| | 780W | 6.33 | 0.76 | 7.09 |
| | 810W | 6.21 | 0.75 | 6.96 |
| | 840W | 6.03 | 0.73 | 6.76 |
| | 870W | 5.91 | 0.72 | 6.63 |
| | 900W | 6.18 | 0.75 | 6.93 |
| | 930W | 5.72 | 0.78 | 6.50 |
| | 960W | 6.12 | 0.80 | 6.92 |
| | 990W | 5.91 | 0.78 | 6.69 |
| | 1020W | 5.69 | 0.78 | 6.47 |
| | 1050W | 5.75 | 0.76 | 6.51 |
| | 1080W | 5.81 | 0.76 | 6.57 |
| | 1110W | 5.71 | 0.73 | 6.44 |
| | 1140W | 5.88 | 0.72 | 6.60 |
| | 1170W | 5.79 | 0.71 | 6.50 |
| | 1200W | 5.52 | 0.72 | 6.24 |
| | 1230W | 5.32 | 0.71 | 6.03 |
| | 1260W | 5.40 | 0.71 | 6.11 |
| | 1290W | 5.25 | 0.70 | 5.95 |
| | 1320W | 5.29 | 0.70 | 5.99 |
| | 1350W | 5.21 | 0.71 | 5.92 |
| | 1380W | 5.26 | 0.71 | 5.97 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| LBLO | 1410W | 5755.21 | 0.70 | 5755.91 |
| | 1440W | 5.12 | 0.67 | 5.79 |
| | 1470W | 5.11 | 0.67 | 5.78 |
| | 1500W | 4.98 | 0.67 | 5.65 |
| | 1530W | 4.92 | 0.68 | 5.60 |
| | 1560W | 4.93 | 0.71 | 5.64 |
| | 1590W | 4.82 | 0.75 | 5.57 |
| | 1620W | 4.74 | 0.83 | 5.57 |
| | 1650W | 4.51 | 0.96 | 5.47 |
| | 1680W | 4.46 | 1.13 | 5.59 |

FISHOOK #1 GRID

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L240E | 450N | 5754.58 | 1.91 | 5756.49 |
| | 420N | 4.45 | 1.96 | 6.41 |
| | 390N | 4.16 | 2.01 | 6.17 |
| | 360N | 3.85 | 2.08 | 5.93 |
| | 330N | 3.81 | 2.14 | 5.95 |
| | 300N | 3.35 | 2.14 | 5.49 |
| | 270N | 3.42 | 1.96 | 5.38 |
| | 240N | 3.79 | 1.67 | 5.46 |
| | 210N | 3.96 | 1.35 | 5.31 |
| | 108N | 4.27 | 1.10 | 5.37 |
| | 150N | 4.30 | 0.95 | 5.25 |
| | 120N | 4.56 | 0.85 | 5.41 |
| | 90N | 4.64 | 0.79 | 5.43 |
| | 60N | 4.53 | 0.74 | 5.27 |
| | 30N | 4.35 | 0.75 | 5.10 |
| | 0 | 4.31 | 0.74 | 5.05 |
| | 30S | 4.42 | 0.74 | 5.16 |
| | 60S | 4.62 | 0.66 | 5.28 |
| | 90S | 4.48 | 0.60 | 5.08 |
| | 120S | 4.63 | 0.56 | 5.19 |
| | 150S | 4.76 | 0.57 | 5.33 |
| L0 | 450N | 5754.37 | 2.35 | 5756.72 |
| | 420N | 4.88 | 2.41 | 7.29 |
| | 390N | ---- | 2.47 | ---- |
| | 360N | 3.79 | 2.53 | 6.32 |
| | 330N | 3.52 | 2.63 | 6.15 |
| | 300N | 3.53 | 2.75 | 6.28 |
| | 270N | 3.11 | 2.74 | 5.85 |
| | 240N | 2.70 | 2.49 | 5.19 |
| | 210N | 3.69 | 2.03 | 5.72 |
| | 180N | 3.76 | 1.56 | 5.32 |
| | 150N | 4.08 | 1.26 | 5.34 |
| | 120N | 4.18 | 1.09 | 5.27 |
| | 90N | 4.77 | 1.01 | 5.78 |
| | 60N | 5.13 | 0.92 | 6.05 |
| | 30N | 5.08 | 0.89 | 5.97 |
| | 0 | 4.95 | 0.90 | 5.85 |
| | 30S | ---- | 0.92 | ---- |
| | 60S | 4.24 | 0.88 | 5.12 |
| | 90S | 4.51 | 0.79 | 5.30 |
| | 120S | 4.55 | 0.70 | 5.25 |
| | 150S | 4.86 | 0.64 | 5.50 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L240W | 450N | 5753.28 | 3.01 | 5756.29 |
| | 420N | 3.59 | 3.09 | 6.68 |
| | 390N | 3.97 | 3.14 | 7.11 |
| | 360N | 4.01 | 3.18 | 7.19 |
| | 330N | 4.05 | 3.20 | 7.25 |
| | 300N | 3.89 | 3.18 | 7.07 |
| | 270N | 3.75 | 3.07 | 6.82 |
| | 240N | 3.89 | 2.87 | 6.76 |
| | 210N | 4.09 | 2.62 | 6.71 |
| | 180N | 4.52 | 2.38 | 6.90 |
| | 150N | 4.62 | 2.28 | 6.90 |
| | 120N | 4.14 | 2.27 | 6.41 |
| | 90N | 4.03 | 2.29 | 6.32 |
| | 60N | 3.58 | 2.14 | 5.72 |
| | 30N | 3.51 | 1.86 | 5.37 |
| | 0 | 4.27 | 1.57 | 5.84 |
| | 30S | 4.18 | 1.36 | 5.54 |
| | 60S | 4.49 | 1.23 | 5.72 |
| | 90S | 4.59 | 1.12 | 5.71 |
| | 120S | 4.50 | 1.03 | 5.53 |
| | 150S | 4.35 | 0.93 | 5.28 |
| BLO | 210E | 5754.08 | 0.65 | 5754.73 |
| | 180E | 4.33 | 0.72 | 5.05 |
| | 150E | 4.53 | 0.77 | 5.30 |
| | 120E | 4.60 | 0.78 | 5.38 |
| | 90E | 4.93 | 0.79 | 5.72 |
| | 60E | 4.94 | 0.81 | 5.75 |
| | 30E | 4.99 | 0.89 | 5.88 |
| | 0 | ---- | 0.98 | ---- |
| | 30W | 4.47 | 1.11 | 5.58 |
| | 60W | 4.60 | 1.22 | 5.82 |
| | 90W | 4.34 | 1.31 | 5.65 |
| | 120W | 3.25 | 1.35 | 4.60 |
| | 150W | 3.81 | 1.33 | 5.14 |
| | 180W | 4.09 | 1.34 | 5.43 |
| | 210W | 3.88 | 1.40 | 5.28 |

OLD FISHOOK GRID

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L112E | 44N | 5745.25 | 0.46 | 5745.71 |
| | 43N | ---- | 0.44 | ---- |
| | 42N | 5.09 | 0.41 | 5.50 |
| | 41N | ---- | 0.39 | ---- |
| | 40N | 4.81 | 0.37 | 5.18 |
| | 39N | ---- | 0.37 | ---- |
| | 38N | 4.68 | 0.38 | 5.06 |
| | 37N | ---- | 0.43 | ---- |
| | 36N | 4.22 | 0.51 | 4.73 |
| | 35N | ---- | 0.62 | ---- |
| | 34N | 3.28 | 0.78 | 4.06 |
| | 33N | 3.06 | 0.96 | 4.02 |
| | 32N | 3.15 | 1.20 | 4.35 |
| | 31N | 3.15 | 1.45 | 4.60 |
| | 30N | 3.42 | 1.67 | 5.09 |
| | 29N | 3.82 | 1.83 | 5.65 |
| | 28N | ---- | 1.88 | ---- |
| | 27N | 4.70 | 1.89 | 6.59 |
| | 26N | 5.04 | 1.85 | 6.89 |
| | 25N | 5.48 | 1.81 | 7.29 |
| | 24N | 5.88 | 1.72 | 7.60 |
| | 23N | 6.20 | 1.64 | 7.84 |
| | 22N | 6.35 | 1.58 | 7.93 |
| | 21N | 6.54 | 1.55 | 8.09 |
| | 20N | 6.79 | 1.52 | 8.31 |
| | 19N | 7.00 | 1.49 | 8.49 |
| | 18N | 7.11 | 1.45 | 8.56 |
| | 17N | 7.10 | 1.45 | 8.55 |
| | 16N | 7.15 | 1.50 | 8.65 |
| | 15N | 7.22 | 1.56 | 8.78 |
| | 14N | 7.33 | 1.60 | 8.93 |
| | 13N | 7.45 | 1.60 | 9.05 |
| | 12N | 7.34 | 1.60 | 8.94 |
| | 11N | 7.58 | 1.60 | 9.18 |
| | 10N | 7.61 | 1.63 | 9.24 |
| | 9N | 7.65 | 1.71 | 9.36 |
| | 8N | 7.76 | 1.81 | 9.57 |
| | 7N | 7.91 | 1.92 | 9.83 |
| | 6N | 7.83 | 1.98 | 9.81 |
| | 5N | 7.97 | 1.97 | 9.94 |

| LINE | STATION | BOUGUER GRAVITY | BOUGUER CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L112E | 4N | 5748.28 | 1.91 | 5750.19 |
| | 3N | 8.27 | 1.84 | 0.11 |
| | 2N | 8.34 | 1.74 | 0.08 |
| | 1N | 8.63 | 1.61 | 0.24 |
| | 0 | 8.59 | 1.44 | 0.03 |
| L96E | 33N | 5747.14 | 0.94 | 5748.08 |
| | 32N | 7.32 | 1.01 | 8.33 |
| | 31N | 7.54 | 1.05 | 8.59 |
| | 30N | 7.62 | 1.06 | 8.68 |
| | 29N | 7.64 | 1.05 | 8.69 |
| | 28N | 8.06 | 1.03 | 9.09 |
| | 27N | 7.98 | 1.02 | 9.00 |
| | 26N | 8.28 | 1.01 | 9.29 |
| | 25N | 9.30 | 1.01 | 5750.31 |
| | 24N | 8.61 | 1.00 | 5749.61 |
| | 23N | 8.88 | 0.98 | 9.86 |
| | 22N | 9.12 | 0.95 | 5750.07 |
| | 21N | 9.11 | 0.93 | 0.04 |
| | 20N | 9.17 | 0.91 | 0.08 |
| | 19N | 9.19 | 0.90 | 0.09 |
| | 18N | 9.21 | 0.90 | 0.11 |
| | 17N | 9.30 | 0.92 | 0.22 |
| | 16N | 9.71 | 0.94 | 0.65 |
| | 15N | 9.61 | 0.97 | 0.58 |
| | 14N | 9.59 | 1.01 | 0.60 |
| | 13N | 9.74 | 1.04 | 0.78 |
| | 12N | 9.71 | 1.06 | 0.77 |
| | 11N | 9.72 | 1.09 | 0.81 |
| | 10N | 9.77 | 1.12 | 0.89 |
| | 9N | 9.81 | 1.17 | 0.98 |
| | 8N | 9.72 | 1.22 | 0.94 |
| | 7N | 9.69 | 1.28 | 0.97 |
| | 6N | 9.54 | 1.32 | 0.86 |
| | 5N | 9.58 | 1.32 | 0.90 |
| | 4N | 9.75 | 1.27 | 1.02 |
| | 3N | 9.83 | 1.23 | 1.06 |
| | 2N | 49.94 | 1.19 | 1.13 |
| | 1N | 5750.01 | 1.17 | 1.18 |
| | 0 | 5749.96 | 1.11 | 1.07 |
| | 1S | 5750.17 | 1.04 | 1.21 |
| | 2S | 50.17 | 0.96 | 1.13 |
| | 3S | 50.20 | 0.92 | 1.12 |
| | 4S | 5749.95 | 0.90 | 0.85 |
| | 5S | 5750.22 | 0.89 | 1.11 |
| | 6S | 5750.29 | 0.89 | 1.18 |
| | 7S | 0.35 | 0.88 | 1.23 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L96E | 8S | 5750.28 | 0.89 | 5751.17 |
| | 9S | 0.36 | 0.89 | 1.25 |
| | 10S | 0.39 | 0.91 | 1.30 |
| | 11S | 0.46 | 0.93 | 1.39 |
| | 12S | 0.56 | 0.94 | 1.50 |
| | 13S | 0.50 | 0.93 | 1.43 |
| | 14S | 0.40 | 0.92 | 1.32 |
| | 15S | 0.61 | 0.91 | 1.52 |
| | 16S | 0.59 | 0.89 | 1.48 |
| | 17S | 0.55 | 0.87 | 1.42 |
| | 18S | 0.56 | 0.84 | 1.40 |
| | 19S | 0.64 | 0.82 | 1.46 |
| | 20S | 0.62 | 0.80 | 1.42 |
| L96E | 44S | 5751.36 | 1.79 | 5753.15 |
| | 45S | 1.88 | 1.69 | 3.57 |
| | 46S | 0.49 | 1.60 | 2.09 |
| | 47S | 0.41 | 1.51 | 1.92 |
| | 48S | 0.74 | 1.46 | 2.20 |
| | 49S | 0.73 | 1.43 | 2.16 |
| | 50S | 0.71 | 1.39 | 2.10 |
| | 51S | 0.63 | 1.32 | 1.95 |
| | 52S | 0.97 | 1.24 | 2.21 |
| | 53S | 0.83 | 1.14 | 1.97 |
| | 54S | 0.89 | 1.07 | 1.96 |
| | 55S | 0.96 | 0.99 | 1.93 |
| | 56S | 1.06 | 0.92 | 1.98 |
| | 57S | 0.98 | 0.86 | 1.84 |
| | 58S | 1.16 | 0.86 | 2.02 |
| | 59S | 1.11 | 0.91 | 2.02 |
| | 60S | 1.32 | 0.96 | 2.28 |
| | 61S | 1.42 | 0.96 | 2.38 |
| | 62S | 1.63 | 0.88 | 2.51 |
| | 63S | 1.76 | 0.83 | 2.59 |
| | 64S | 1.88 | 0.83 | 2.71 |
| | 65S | 1.82 | 0.89 | 2.71 |
| | 66S | 1.64 | 0.94 | 2.58 |
| | 67S | 1.83 | 0.99 | 2.82 |
| | 68S | 1.85 | 1.04 | 2.89 |
| | 69S | 1.71 | 1.09 | 2.80 |
| | 70S | 1.67 | 1.14 | 2.81 |
| L80E | 44S | 5751.77 | 1.85 | 5753.62 |
| | 45S | 1.48 | 1.99 | 3.47 |
| | 46S | 1.36 | 2.10 | 3.46 |
| | 47S | 1.22 | 2.14 | 3.36 |
| | 48S | 1.58 | 2.07 | 3.65 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L80E | 49S | 5751.73 | 1.92 | 5753.65 |
| | 50S | 1.68 | 1.77 | 3.45 |
| | 51S | 1.84 | 1.67 | 3.51 |
| | 52S | 1.98 | 1.69 | 3.67 |
| | 53S | 1.58 | 1.78 | 3.36 |
| | 54S | 1.74 | 1.89 | 3.63 |
| | 55S | 1.78 | 1.87 | 3.65 |
| | 56S | 1.69 | 1.71 | 3.40 |
| | 57S | 1.65 | 1.43 | 3.08 |
| | 58S | 2.27 | 1.17 | 3.44 |
| | 59S | 2.72 | 1.00 | 3.72 |
| | 60S | 2.79 | 0.90 | 3.69 |
| | 61S | 2.68 | 0.84 | 3.52 |
| | 62S | 2.79 | 0.79 | 3.58 |
| | 63S | 3.27 | 0.79 | 4.06 |
| | 64S | 3.29 | 0.82 | 4.11 |
| | 65S | 3.33 | 0.91 | 4.24 |
| | 66S | 3.15 | 1.00 | 4.15 |
| | 67S | 3.03 | 1.12 | 4.15 |
| | 68S | 2.89 | 1.23 | 4.12 |

TAY #1 GRID

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L906E | 1170N | 5972.27 | 1.41 | 5973.68 |
| | 1140N | 2.36 | 1.01 | 3.37 |
| | 1110N | 2.24 | 0.76 | 3.00 |
| | 1080N | 1.93 | 0.67 | 2.60 |
| | 1050N | 1.93 | 0.68 | 2.61 |
| | 1020N | 2.05 | 0.71 | 2.76 |
| | 990N | 2.09 | 0.76 | 2.85 |
| | 960N | 2.18 | 0.80 | 2.98 |
| | 930N | 2.39 | 0.81 | 3.20 |
| | 900N | 2.44 | 0.82 | 3.26 |
| | 870N | 2.47 | 0.85 | 3.32 |
| | 840N | 2.66 | 0.89 | 3.55 |
| | 810N | 2.89 | 0.92 | 3.81 |
| | 780N | 2.98 | 0.92 | 3.90 |
| | 750N | 3.08 | 0.92 | 4.00 |
| | 720N | 3.14 | 0.93 | 4.07 |
| | 690N | 3.28 | 0.97 | 4.25 |
| | 660N | 3.38 | 1.02 | 4.40 |
| | 630N | 3.46 | 1.05 | 4.51 |
| | 600N | 3.72 | 1.06 | 4.78 |
| | 570N | 3.90 | 1.06 | 4.96 |
| | 540N | 3.83 | 1.09 | 4.92 |
| | 510N | 3.95 | 1.13 | 5.08 |
| | 480N | 4.06 | 1.16 | 5.22 |
| | 450N | 4.09 | 1.16 | 5.25 |
| | 420N | 4.43 | 1.12 | 5.55 |
| | 390N | 4.57 | 1.08 | 5.65 |
| | 360N | 4.59 | 1.05 | 5.64 |
| | 330N | 4.65 | 1.05 | 5.70 |
| | 300N | 4.85 | 1.10 | 5.95 |
| | 270N | 4.88 | 1.14 | 6.02 |
| | 240N | 5.04 | 1.15 | 6.19 |
| | 210N | 5.20 | 1.10 | 6.30 |
| | 180N | 5.40 | 1.03 | 6.43 |
| | 150N | 5.45 | 0.97 | 6.42 |
| | 120N | 5.41 | 0.94 | 6.35 |
| | 90N | 5.48 | 0.92 | 6.40 |
| | 60N | 5.86 | 0.90 | 6.76 |
| | 30N | 5.91 | 0.88 | 6.79 |
| | 0 | 5.98 | 0.85 | 6.83 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L480E | 1590N | 5968.21 | 2.44 | 5970.65 |
| | 1560N | 8.60 | 1.97 | 0.57 |
| | 1530N | 8.85 | 1.68 | 0.53 |
| | 1500N | 9.04 | 1.59 | 0.63 |
| | 1470N | 9.29 | 1.59 | 0.88 |
| | 1440N | 9.59 | 1.61 | 1.20 |
| | 1410N | 9.61 | 1.65 | 1.26 |
| | 1380N | 9.80 | 1.71 | 1.51 |
| | 1350N | 9.89 | 1.78 | 1.67 |
| | 1320N | 5970.18 | 1.86 | 2.04 |
| | 1290N | 0.33 | 1.93 | 2.26 |
| | 1260N | 0.50 | 1.93 | 2.43 |
| | 1230N | 0.74 | 1.92 | 2.66 |
| | 1200N | 0.91 | 1.87 | 2.78 |
| | 420N | 5973.35 | 1.89 | 5975.24 |
| | 390N | 3.42 | 1.90 | 5.32 |
| | 360N | 3.60 | 1.92 | 5.52 |
| | 330N | 3.75 | 1.90 | 5.65 |
| | 300N | 3.91 | 1.86 | 5.77 |
| | 270N | 4.19 | 1.85 | 6.04 |
| | 240N | 4.20 | 1.84 | 6.04 |
| | 210N | 4.23 | 1.85 | 6.08 |
| | 180N | 4.32 | 1.84 | 6.16 |
| | 150N | 4.29 | 1.82 | 6.11 |
| | 120N | 4.54 | 1.80 | 6.34 |
| | 90N | 4.50 | 1.77 | 6.27 |
| | 60N | 4.76 | 1.74 | 6.50 |
| | 30N | 4.59 | 1.70 | 6.29 |
| | 0 | 4.82 | 1.68 | 6.50 |
| | 30S | 4.87 | 1.70 | 6.57 |
| | 60S | 4.90 | 1.77 | 6.67 |
| | 90S | 5.01 | 1.87 | 6.88 |
| | 120S | 4.97 | 1.96 | 6.93 |
| | 150S | 4.92 | 2.03 | 6.95 |
| | 180S | 5.02 | 2.06 | 7.08 |
| | 210S | 5.06 | 2.07 | 7.13 |
| | 240S | 5.14 | 2.08 | 7.22 |
| | 270S | 5.18 | 2.09 | 7.27 |
| | 300S | 5.34 | 2.11 | 7.45 |
| | 330S | 5.38 | 2.09 | 7.47 |
| | 360S | 5.24 | 2.02 | 7.26 |
| | 390S | 5.43 | 1.87 | 7.30 |
| | 420S | 5.85 | 1.68 | 7.53 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L240E | 1590N | 5968.56 | 1.16 | 5969.72 |
| | 1560N | 8.78 | 1.07 | 9.85 |
| | 1530N | 8.98 | 1.03 | 5970.01 |
| | 1500N | 9.08 | 1.03 | 0.11 |
| | 1473N | 9.24 | 1.06 | 0.30 |
| | 1440N | 9.38 | 1.08 | 0.46 |
| | 1410N | 9.54 | 1.09 | 0.63 |
| | 1380N | ---- | 1.11 | ---- |
| | 1350N | 9.90 | 1.15 | 1.05 |
| | 1320N | 5970.03 | 1.20 | 1.23 |
| | 1290N | 0.30 | 1.23 | 1.53 |
| | 1260N | 0.42 | 1.25 | 1.67 |
| | 1230N | 0.46 | 1.26 | 1.72 |
| | 1200N | 0.55 | 1.28 | 1.83 |
| L0 | 1590N | 5967.66 | 1.19 | 5968.85 |
| | 1560N | 8.08 | 1.22 | 9.30 |
| | 1530N | 8.02 | 1.24 | 9.26 |
| | 1500N | 8.19 | 1.26 | 9.45 |
| | 1470N | 8.40 | 1.25 | 9.65 |
| | 1440N | 8.97 | 1.20 | 5970.17 |
| | 1410N | 9.08 | 1.14 | 0.22 |
| | 1380N | 9.32 | 1.10 | 0.42 |
| | 1350N | 9.53 | 1.10 | 0.63 |
| | 1320N | 9.64 | 1.10 | 0.74 |
| | 1290N | 5970.02 | 1.11 | 1.13 |
| | 1260N | 0.16 | 1.11 | 1.27 |
| | 1230N | 0.23 | 1.12 | 1.35 |
| | 1200N | 0.60 | 1.15 | 1.75 |
| L240W | 1800N | 5968.42 | 0.72 | 5969.14 |
| | 1770N | 8.54 | 0.73 | 9.27 |
| | 1740N | 8.50 | 0.75 | 9.25 |
| | 1710N | 8.36 | 0.80 | 9.16 |
| | 1680N | 8.39 | 0.88 | 9.27 |
| | 1650N | 8.28 | 1.00 | 9.28 |
| | 1620N | 8.14 | 1.15 | 9.29 |
| | 1590N | 7.84 | 1.28 | 9.12 |
| | 1560N | 8.33 | 1.39 | 9.72 |
| | 1530N | 8.21 | 1.42 | 9.63 |
| | 1500N | 8.85 | 1.39 | 5970.24 |
| | 1470N | 9.15 | 1.32 | 0.47 |
| | 1440N | 9.47 | 1.25 | 0.72 |
| | 1410N | 9.56 | 1.23 | 0.79 |
| | 1380N | 9.80 | 1.27 | 1.07 |
| | 1350N | 9.79 | 1.33 | 1.12 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L240W | 1320N | 5970.18 | 1.39 | 5971.57 |
| | 1290N | 0.33 | 1.41 | 1.74 |
| | 1260N | 0.43 | 1.40 | 1.83 |
| | 1230N | 1.00 | 1.36 | 2.36 |
| | 1200N | 0.92 | 1.31 | 2.23 |
| BLO | 930E | 5976.12 | 0.97 | 5977.09 |
| | 900E | 6.10 | 0.86 | 6.96 |
| | 870E | 6.17 | 0.79 | 6.96 |
| | 830E | 6.25 | 0.76 | 7.01 |
| | 810E | 6.29 | 0.77 | 7.06 |
| | 780E | 6.15 | 0.82 | 6.97 |
| | 750E | 6.09 | 0.91 | 7.00 |
| | 720E | 5.96 | 1.01 | 6.97 |

TAY #2 GRID

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L1440E | 1290N | 5972.75 | 1.56 | 5974.31 |
| | 1260N | 2.74 | 1.60 | 4.34 |
| | 1230N | 2.83 | 1.64 | 4.47 |
| | 1200N | 2.68 | 1.66 | 4.34 |
| | 1170N | 2.82 | 1.72 | 4.54 |
| | 1140N | 3.08 | 1.76 | 4.84 |
| | 1110N | 3.46 | 1.79 | 5.25 |
| | 1080N | 3.55 | 1.79 | 5.34 |
| | 1050N | 3.67 | 1.82 | 5.49 |
| | 1020N | 3.89 | 1.86 | 5.75 |
| | 990N | 4.09 | 1.88 | 5.97 |
| | 960N | 4.06 | 1.86 | 5.92 |
| | 930N | 4.20 | 1.84 | 6.04 |
| | 900N | 4.27 | 1.84 | 6.11 |
| | 870N | 4.16 | 1.86 | 6.02 |
| | 840N | 4.36 | 1.82 | 6.18 |
| | 810N | 4.49 | 1.75 | 6.24 |
| | 780N | 4.27 | 1.70 | 5.97 |
| | 750N | 4.48 | 1.71 | 6.19 |
| | 720N | 4.41 | 1.72 | 6.13 |
| | 690N | 4.38 | 1.70 | 6.08 |
| | 660N | 4.38 | 1.65 | 6.03 |
| | 630N | 4.39 | 1.58 | 5.97 |
| | 600N | 4.45 | 1.51 | 5.96 |
| | 570N | 4.48 | 1.46 | 5.94 |
| | 540N | 4.72 | 1.44 | 6.16 |
| | 510N | 4.77 | 1.44 | 6.21 |
| | 480N | 4.92 | 1.45 | 6.37 |
| | 450N | 4.86 | 1.43 | 6.29 |
| | 420N | 4.82 | 1.39 | 6.21 |
| | 390N | 4.94 | 1.33 | 6.27 |
| | 360N | 4.97 | 1.25 | 6.22 |
| | 330N | 4.97 | 1.17 | 6.14 |
| | 300N | 5.00 | 1.09 | 6.09 |
| | 270N | 5.09 | 1.04 | 6.13 |
| | 240N | 5.17 | 1.00 | 6.17 |
| | 210N | 5.10 | 1.01 | 6.11 |
| | 180N | 4.73 | 1.02 | 5.75 |
| | 150N | 4.93 | 1.06 | 5.99 |
| | 120N | 4.86 | 1.11 | 5.97 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L1440E | 90N | 5974.80 | 1.19 | 5975.99 |
| | 60N | 4.75 | 1.32 | 6.07 |
| | 30N | 4.66 | 1.50 | 6.16 |
| | 0 | 4.66 | 1.65 | 6.31 |
| | 30S | ---- | 1.70 | ---- |
| | 60S | ---- | 1.64 | ---- |
| | 90S | 4.87 | 1.62 | 6.49 |
| | 120S | 4.74 | 1.66 | 6.40 |
| | 150S | 4.58 | 1.78 | 6.36 |
| | 180S | 4.63 | 1.93 | 6.56 |
| | 210S | 4.32 | 2.09 | 6.41 |
| | 240S | 4.26 | 2.26 | 6.52 |
| | 270S | 4.28 | 2.36 | 6.64 |
| | 300S | 4.10 | 2.51 | 6.61 |
| | 330S | 3.80 | 2.73 | 6.53 |
| | 360S | 3.61 | 3.06 | 6.67 |
| | 390S | 3.37 | 3.37 | 6.74 |
| | 420S | 3.30 | 3.61 | 6.91 |
| | 450S | 3.05 | 3.76 | 6.81 |
| | 480S | 2.87 | 3.79 | 6.66 |
| | 510S | 2.66 | 3.75 | 6.41 |
| | 540S | 2.68 | 3.65 | 6.33 |
| | 570S | 2.46 | 3.62 | 6.08 |
| | 600S | 2.49 | 3.61 | 6.10 |
| | 630S | 2.50 | 3.58 | 6.08 |
| | 660S | 2.60 | 3.47 | 6.07 |
| | 690S | 2.60 | 3.31 | 5.91 |
| | 720S | 2.57 | 3.18 | 5.75 |
| | 750S | 2.48 | 3.05 | 5.53 |
| | 780S | 2.36 | 2.91 | 5.27 |
| | 810S | 2.11 | 2.70 | 4.81 |
| | 840S | 2.13 | 2.48 | 4.61 |
| | 870S | 2.25 | 2.30 | 4.55 |
| | 900S | 2.18 | 2.14 | 4.32 |
| | 930S | 2.11 | 1.98 | 4.09 |
| | 960S | 2.29 | 1.80 | 4.09 |
| | 990S | 2.47 | 1.65 | 4.12 |
| | 1020S | 2.38 | 1.56 | 3.94 |
| | 1050S | 2.50 | 1.48 | 3.98 |
| | 1080S | 2.62 | 1.39 | 4.01 |
| | 1110S | 2.70 | 1.21 | 3.91 |
| | 1140S | 3.06 | 1.01 | 4.07 |
| | 1170S | 3.24 | 0.84 | 4.08 |
| | 1200S | 3.23 | 0.76 | 3.99 |
| | 1230S | 3.41 | 0.77 | 4.18 |
| | 1260S | 3.51 | 0.84 | 5.35 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L1200E | 1230N | 5972.36 | 2.48 | 5974.84 |
| | 1200N | 2.24 | 2.25 | 4.49 |
| | 1170N | 2.05 | 2.05 | 4.10 |
| | 1140N | 1.60 | 1.86 | 3.46 |
| | 1110N | 1.86 | 1.70 | 3.56 |
| | 1080N | 1.74 | 1.59 | 3.33 |
| | 1050N | 1.92 | 1.56 | 3.48 |
| | 1020N | 1.98 | 1.58 | 3.56 |
| | 990N | 2.05 | 1.65 | 3.70 |
| | 960N | 2.19 | 1.73 | 3.92 |
| | 930N | 2.60 | 1.79 | 4.39 |
| | 900N | 2.96 | 1.82 | 4.78 |
| | 870N | 3.25 | 1.82 | 5.07 |
| | 840N | 3.52 | 1.81 | 5.33 |
| | 810N | 3.64 | 1.81 | 5.45 |
| | 780N | 3.72 | 1.81 | 5.53 |
| | 750N | 3.71 | 1.81 | 5.52 |
| | 720N | 3.51 | 1.82 | 5.33 |
| | 690N | 3.60 | 1.85 | 5.45 |
| | 660N | 3.82 | 1.88 | 5.70 |
| | 630N | 3.83 | 1.87 | 5.70 |
| | 600N | 3.92 | 1.81 | 5.72 |
| | 570N | 4.19 | 1.73 | 5.92 |
| | 540N | 4.41 | 1.67 | 6.08 |
| | 510N | 4.61 | 1.62 | 6.23 |
| | 480N | 4.78 | 1.58 | 6.36 |
| | 450N | 4.99 | 1.56 | 6.55 |
| | 420N | 5.13 | 1.54 | 6.67 |
| | 390N | 5.14 | 1.50 | 6.64 |
| | 360N | 5.15 | 1.42 | 6.57 |
| | 330N | 5.12 | 1.34 | 6.46 |
| | 300N | 5.18 | 1.26 | 6.44 |
| | 270N | 5.04 | 1.20 | 6.24 |
| | 240N | 5.19 | 1.14 | 6.33 |
| | 210N | 5.19 | 1.10 | 6.29 |
| | 180N | 5.26 | 1.07 | 6.33 |
| | 150N | 5.41 | 1.06 | 6.47 |
| | 120N | 5.22 | 1.07 | 6.29 |
| | 90N | 5.38 | 1.10 | 6.48 |
| | 60N | 5.25 | 1.16 | 6.41 |
| | 30N | 5.19 | 1.23 | 6.42 |
| | 0 | 4.90 | 1.30 | 6.20 |
| | 30S | 4.75 | 1.33 | 6.08 |
| | 60S | 5.20 | 1.34 | 6.54 |
| | 90S | 4.98 | 1.35 | 6.33 |
| | 120S | 5.09 | 1.37 | 6.46 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L1200E | 150S | 5974.96 | 1.44 | 5976.40 |
| | 180S | 4.90 | 1.56 | 6.46 |
| | 210S | 4.84 | 1.72 | 6.56 |
| | 240S | 4.43 | 1.90 | 6.33 |
| | 270S | 4.53 | 2.08 | 6.61 |
| | 300S | 4.13 | 2.31 | 6.44 |
| | 330S | 4.17 | 2.60 | 6.77 |
| | 360S | 3.81 | 2.94 | 6.75 |
| | 390S | 3.51 | 3.22 | 6.73 |
| | 420S | 3.29 | 3.37 | 6.66 |
| | 450S | 3.22 | 3.45 | 6.67 |
| | 480S | 3.12 | 3.48 | 6.60 |
| | 510S | 2.95 | 3.52 | 6.47 |
| | 540S | 2.74 | 3.51 | 6.25 |
| | 570S | 2.48 | 3.48 | 5.96 |
| | 600S | 2.46 | 3.38 | 5.84 |
| | 630S | 2.27 | 3.26 | 5.53 |
| | 660S | 1.58 | 3.11 | 4.69 |
| | 690S | 1.82 | 2.94 | 4.76 |
| | 720S | 1.69 | 2.79 | 4.48 |
| | 750S | 1.86 | 2.59 | 4.45 |
| | 780S | 1.70 | 2.37 | 4.07 |
| | 810S | 1.69 | 2.09 | 3.78 |
| | 840S | 1.55 | 1.84 | 3.39 |
| | 870S | 1.62 | 1.68 | 3.30 |
| | 900S | 1.66 | 1.54 | 3.20 |
| | 930S | 1.68 | 1.42 | 3.10 |
| | 960S | 1.92 | 1.23 | 3.15 |
| | 990S | 2.07 | 1.09 | 3.16 |
| | 1020S | 2.42 | 1.07 | 3.49 |
| | 1050S | 3.02 | 1.15 | 4.17 |
| | 1080S | 3.82 | 1.20 | 5.02 |
| | 1110S | 4.24 | 1.34 | 5.58 |
| | 1140S | 4.63 | 1.73 | 6.36 |
| | 1170S | 4.57 | 2.42 | 6.99 |
| L960E | 1230N | 5973.84 | 2.03 | 5975.87 |
| | 1200N | 3.96 | 1.88 | 5.84 |
| | 1170N | 3.56 | 1.75 | 5.31 |
| | 1140N | 3.26 | 1.66 | 4.92 |
| | 1110N | 3.16 | 1.58 | 4.74 |
| | 1080N | 3.06 | 1.51 | 4.57 |
| | 1050N | 2.81 | 1.46 | 4.27 |
| | 1020N | 2.80 | 1.43 | 4.23 |
| | 990N | 2.33 | 1.44 | 3.77 |
| | 960N | 2.35 | 1.49 | 3.84 |
| | 930N | 2.51 | 1.58 | 4.09 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L960E | 900N | 5972.56 | 1.65 | 5974.21 |
| | 870N | 2.58 | 1.71 | 4.29 |
| | 840N | 2.68 | 1.75 | 4.43 |
| | 810N | 2.83 | 1.81 | 4.64 |
| | 780N | 2.95 | 1.88 | 4.83 |
| | 750N | 2.99 | 2.00 | 4.99 |
| | 720N | 3.13 | 2.16 | 5.26 |
| | 690N | 3.27 | 2.34 | 5.61 |
| | 660N | 3.24 | 2.50 | 5.74 |
| | 630N | 3.32 | 2.58 | 5.90 |
| | 600N | 3.68 | 2.61 | 6.29 |
| | 570N | 3.95 | 2.57 | 6.52 |
| | 540N | 3.80 | 2.52 | 6.32 |
| | 510N | 3.77 | 2.42 | 6.19 |
| | 480N | 3.62 | 2.31 | 5.93 |
| | 450N | 4.16 | 2.18 | 6.34 |
| | 420N | 4.41 | 2.04 | 6.45 |
| | 390N | 4.65 | 1.93 | 6.58 |
| | 360N | 4.78 | 1.86 | 6.64 |
| | 330N | 4.65 | 1.82 | 6.47 |
| | 300N | 4.62 | 1.77 | 6.39 |
| | 270N | 4.77 | 1.68 | 6.45 |
| | 240N | 4.81 | 1.58 | 6.39 |
| | 210N | 4.80 | 1.49 | 6.29 |
| | 180N | 4.95 | 1.43 | 6.38 |
| | 150N | 4.49 | 1.40 | 5.89 |
| | 120N | 4.74 | 1.39 | 6.13 |
| | 90N | 4.90 | 1.39 | 6.29 |
| | 60N | 4.70 | 1.43 | 6.13 |
| | 30N | 4.74 | 1.47 | 6.21 |
| | 0 | ---- | 1.51 | ---- |
| | 30S | 5.20 | 1.54 | 6.74 |
| | 60S | 5.31 | 1.55 | 6.86 |
| | 90S | 5.30 | 1.55 | 6.85 |
| | 120S | 5.31 | 1.56 | 6.87 |
| | 150S | 5.24 | 1.63 | 6.87 |
| | 180S | 5.33 | 1.78 | 7.11 |
| | 210S | 3.84 | 1.97 | 5.81 |
| | 240S | 3.57 | 2.14 | 5.71 |
| | 270S | 3.61 | 2.25 | 5.86 |
| | 300S | 3.33 | 2.43 | 5.76 |
| | 330S | 3.05 | 2.67 | 5.72 |
| | 360S | 2.87 | 2.98 | 5.85 |
| | 390S | 2.81 | 3.23 | 6.04 |
| | 420S | 2.46 | 3.39 | 5.85 |
| | 450S | 1.68 | 3.52 | 5.20 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L960E | 480S | 5971.96 | 3.60 | 5975.56 |
| | 510S | 1.68 | 3.66 | 5.34 |
| | 540S | 1.31 | 3.59 | 4.90 |
| | 570S | 1.18 | 3.46 | 4.64 |
| | 600S | 0.89 | 3.26 | 4.15 |
| | 630S | 0.69 | 3.12 | 3.81 |
| | 660S | 0.44 | 2.96 | 3.40 |
| | 690S | 0.24 | 2.72 | 2.96 |
| | 720S | 0.28 | 2.36 | 2.64 |
| | 750S | 0.63 | 1.93 | 2.56 |
| | 780S | 1.00 | 1.57 | 2.57 |
| | 810S | 1.35 | 1.28 | 2.63 |
| | 840S | 0.70 | 1.10 | 1.80 |
| | 870S | 1.03 | 0.98 | 2.01 |
| | 900S | 1.35 | 0.90 | 2.25 |
| | 930S | 2.36 | 0.90 | 3.26 |
| | 960S | 2.58 | 1.01 | 3.59 |
| | 990S | 3.00 | 1.23 | 4.23 |
| L720E | 1200N | 5972.64 | 1.33 | 5973.97 |
| | 1170N | 4.18 | 1.30 | 5.48 |
| | 1140N | 4.11 | 1.29 | 5.40 |
| | 1110N | 4.30 | 1.30 | 5.60 |
| | 1080N | 4.32 | 1.31 | 5.63 |
| | 1050N | 4.16 | 1.33 | 5.49 |
| | 1020N | 4.05 | 1.32 | 5.37 |
| | 990N | 3.69 | 1.28 | 4.98 |
| | 960N | 3.30 | 1.20 | 4.50 |
| | 930N | 3.18 | 1.08 | 4.26 |
| | 900N | 3.62 | 0.98 | 4.60 |
| | 870N | 3.54 | 0.91 | 4.45 |
| | 840N | 3.56 | 0.88 | 4.44 |
| | 810N | 3.59 | 0.89 | 4.48 |
| | 780N | 3.73 | 0.95 | 4.68 |
| | 750N | 3.91 | 1.06 | 4.97 |
| | 720N | 3.95 | 1.22 | 5.17 |
| L480E | 1320N | 5972.77 | 1.79 | 5974.56 |
| | 1290N | 2.65 | 1.70 | 4.35 |
| | 1260N | 3.02 | 1.62 | 4.64 |
| | 1230N | 3.30 | 1.54 | 4.84 |
| | 1200N | 3.44 | 1.48 | 4.92 |
| | 1170N | 3.41 | 1.43 | 4.84 |
| | 1140N | 3.56 | 1.41 | 4.97 |
| | 1110N | 3.69 | 1.41 | 5.10 |
| | 1080N | 3.86 | 1.42 | 5.28 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L480E | 1050N | 5974.12 | 1.43 | 5974.55 |
| | 1020N | 3.80 | 1.42 | 5.22 |
| | 990N | 3.90 | 1.39 | 5.29 |
| | 960N | 4.07 | 1.37 | 5.44 |
| | 930N | 4.15 | 1.35 | 5.50 |
| | 900N | 4.39 | 1.34 | 5.73 |
| | 870N | 4.45 | 1.34 | 5.79 |
| | 840N | 4.74 | 1.38 | 6.12 |
| | 810N | 4.89 | 1.43 | 6.32 |
| | 780N | 4.64 | 1.48 | 6.12 |
| | 750N | 4.48 | 1.49 | 5.97 |
| | 720N | 4.37 | 1.49 | 5.86 |
| L240E | 1350N | 5973.63 | 2.53 | 5976.16 |
| | 1320N | 3.70 | 2.10 | 5.80 |
| | 1290N | 3.87 | 1.82 | 5.69 |
| | 1260N | 3.99 | 1.69 | 5.68 |
| | 1230N | 4.07 | 1.66 | 5.73 |
| | 1200N | 4.07 | 1.64 | 5.71 |
| | 1170N | 4.23 | 1.62 | 5.85 |
| | 1140N | 4.19 | 1.57 | 5.76 |
| | 1110N | 4.22 | 1.53 | 5.75 |
| | 1080N | 4.11 | 1.49 | 5.60 |
| | 1050N | 4.19 | 1.47 | 5.66 |
| | 1020N | 4.26 | 1.45 | 5.71 |
| | 990N | 4.35 | 1.44 | 5.79 |
| | 960N | 4.37 | 1.43 | 5.79 |
| | 930N | 4.30 | 1.41 | 5.71 |
| | 900N | 4.44 | 1.41 | 5.85 |
| | 870N | 4.41 | 1.42 | 5.83 |
| | 840N | 4.51 | 1.46 | 5.97 |
| | 810N | 4.53 | 1.49 | 6.02 |
| | 780N | 4.48 | 1.52 | 6.00 |
| | 750N | 4.43 | 1.56 | 5.99 |
| | 720N | 4.44 | 1.92 | 6.36 |
| | 690N | 4.45 | 2.57 | 7.02 |
| | 660N | 4.53 | 3.49 | 8.02 |
| | 630N | 4.56 | 4.12 | 8.68 |
| | 600N | 4.73 | 4.41 | 9.14 |
| | 570N | 4.75 | 4.37 | 9.12 |
| | 540N | 4.64 | 4.31 | 8.95 |
| | 510N | 4.49 | 4.27 | 8.76 |
| | 480N | 4.38 | 4.34 | 8.72 |
| | 450N | 4.23 | 4.42 | 8.65 |
| | 420N | 4.02 | 4.51 | 8.53 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L240E | 390N | 5973.81 | 4.56 | 5978.37 |
| | 360N | 3.63 | 4.64 | 8.27 |
| | 330N | 3.54 | 4.85 | 8.39 |
| | 300N | 3.31 | 4.74 | 8.05 |
| | 270N | 3.02 | 4.19 | 7.21 |
| | 240N | 2.83 | 3.06 | 5.89 |
| | 210N | 2.87 | 2.18 | 5.05 |
| | 180N | 3.07 | 1.65 | 4.72 |
| | 150N | 3.07 | 1.53 | 4.60 |
| | 120N | 3.36 | 1.45 | 4.81 |
| | 90N | 3.44 | 1.34 | 4.78 |
| | 60N | 3.64 | 1.25 | 4.89 |
| | 30N | 3.92 | 1.16 | 5.08 |
| | 0 | 4.15 | 1.08 | 5.23 |
| L0 | 1350N | 5974.56 | 1.02 | 5975.58 |
| | 1320N | 4.55 | 1.00 | 5.55 |
| | 1290N | 4.64 | 0.99 | 5.63 |
| | 1260N | 4.65 | 0.98 | 5.63 |
| | 1230N | 4.78 | 0.96 | 5.74 |
| | 1200N | 4.65 | 0.94 | 5.59 |
| | 1170N | 4.78 | 0.92 | 5.70 |
| | 1140N | 4.82 | 0.90 | 5.72 |
| | 1110N | 4.81 | 0.89 | 5.70 |
| | 1080N | 4.91 | 0.89 | 5.80 |
| | 1050N | 4.93 | 0.89 | 5.82 |
| | 1020N | 4.93 | 0.90 | 5.83 |
| | 990N | 4.95 | 0.91 | 5.86 |
| | 960N | 4.92 | 0.92 | 5.84 |
| | 930N | 4.87 | 0.93 | 5.80 |
| | 900N | 5.02 | 0.94 | 5.96 |
| | 870N | 5.02 | 0.98 | 6.00 |
| | 840N | 5.10 | 1.02 | 6.12 |
| | 810N | 5.07 | 1.04 | 6.11 |
| | 780N | 4.93 | 1.07 | 6.00 |
| | 750N | 5.17 | 1.08 | 6.25 |
| | 720N | 5.14 | 1.10 | 6.24 |
| L240W | 1350N | 5974.35 | 0.96 | 5975.31 |
| | 1320N | 4.47 | 0.90 | 5.37 |
| | 1290N | 4.47 | 0.85 | 5.32 |
| | 1260N | 4.38 | 0.80 | 5.18 |
| | 1230N | 4.52 | 0.76 | 5.28 |
| | 1200N | 4.52 | 0.73 | 5.25 |
| | 1170N | 4.51 | 0.72 | 5.23 |
| | 1140N | 4.55 | 0.72 | 5.27 |

| LINE | STATION | BOUGUER GRAVITY | BOUGUER CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L240W | 1110N | 5974.60 | 0.72 | 5975.32 |
| | 1080N | 4.68 | 0.71 | 5.39 |
| | 1050N | 4.72 | 0.71 | 5.43 |
| | 1020N | 4.89 | 0.71 | 5.60 |
| | 990N | 4.78 | 0.73 | 5.51 |
| | 960N | ---- | 0.74 | ---- |
| | 930N | 4.81 | 0.74 | 5.55 |
| | 900N | 4.92 | 0.75 | 5.67 |
| | 870N | 5.01 | 0.76 | 5.77 |
| | 840N | 5.10 | 0.79 | 5.89 |
| | 810N | 5.06 | 0.83 | 5.89 |
| | 780N | 5.12 | 0.86 | 5.98 |
| | 750N | 5.06 | 0.87 | 5.93 |
| | 720N | 4.12 | 0.86 | 4.98 |
| L480W | 1350N | 5973.64 | 1.40 | 5975.04 |
| | 1320N | 3.66 | 1.17 | 4.83 |
| | 1290N | 3.78 | 1.03 | 4.81 |
| | 1260N | 3.69 | 0.97 | 4.66 |
| | 1230N | 3.87 | 0.96 | 4.83 |
| | 1200N | 3.89 | 0.94 | 4.83 |
| | 1170N | 4.00 | 0.92 | 4.92 |
| | 1140N | 4.07 | 0.89 | 4.96 |
| | 1110N | 3.97 | 0.87 | 4.84 |
| | 1080N | 3.99 | 0.84 | 4.83 |
| | 1050N | 4.17 | 0.82 | 4.99 |
| | 1020N | 4.16 | 0.81 | 4.97 |
| | 990N | 4.25 | 0.80 | 5.05 |
| | 960N | 4.34 | 0.80 | 5.14 |
| | 930N | 4.35 | 0.77 | 5.12 |
| | 900N | 4.40 | 0.75 | 5.15 |
| | 870N | ---- | 0.72 | ---- |
| | 840N | 4.60 | 0.71 | 5.31 |
| | 810N | 4.66 | 0.70 | 5.36 |
| | 780N | 4.77 | 0.70 | 5.47 |
| | 750N | 4.81 | 0.70 | 5.51 |
| | 720N | 4.84 | 0.68 | 5.52 |
| L720W | 1350N | 5972.42 | 1.64 | 5974.06 |
| | 1320N | 2.80 | 1.35 | 4.15 |
| | 1290N | 3.07 | 1.16 | 4.23 |
| | 1260N | 3.18 | 1.09 | 4.27 |
| | 1230N | 3.08 | 1.05 | 4.13 |
| | 1200N | 3.14 | 1.04 | 4.18 |
| | 1170N | 3.11 | 1.02 | 4.13 |
| | 1140N | 3.29 | 1.02 | 4.31 |

| LINE | STATION | BOUGUER GRAVITY | TERRAIN CORRECTION | COMPLETE BOUGUER |
|---|---|---|---|---|
| L720W | 1110N | 5973.49 | 1.03 | 5974.52 |
| | 1080N | ---- | 1.04 | ---- |
| | 1050N | 3.80 | 1.03 | 4.83 |
| | 1020N | 3.94 | 1.02 | 4.96 |
| | 990N | 3.75 | 1.03 | 4.78 |
| | 960N | 4.09 | 1.02 | 5.11 |
| | 930N | 4.13 | 1.02 | 5.15 |
| | 900N | 4.34 | 1.03 | 5.37 |
| | 870N | 4.35 | 1.07 | 5.42 |
| | 840N | 4.41 | 1.11 | 5.52 |
| | 810N | 4.42 | 1.14 | 5.56 |
| | 780N | 4.61 | 1.15 | 5.76 |
| | 750N | 4.62 | 1.17 | 5.80 |
| | 720N | 4.61 | 1.20 | 5.81 |
| BLO | 1440E | 5974.60 | 1.50 | 5976.10 |
| | 1410E | 4.58 | 1.45 | 6.03 |
| | 1380E | 4.93 | 1.40 | 6.33 |
| | 1350E | 4.79 | 1.37 | 6.16 |
| | 1320E | 4.90 | 1.35 | 6.25 |
| | 1290E | 4.84 | 1.35 | 6.19 |
| | 1260E | 4.91 | 1.33 | 6.24 |
| | 1230E | 4.95 | 1.30 | 6.25 |
| | 1200E | 4.94 | 1.27 | 6.21 |
| | 1170E | 4.79 | 1.26 | 6.05 |
| | 1140E | 4.84 | 1.26 | 6.10 |
| | 1110E | 5.10 | 1.28 | 6.38 |
| | 1080E | 5.15 | 1.31 | 6.46 |
| | 1050E | 4.95 | 1.34 | 6.29 |
| | 1020E | 4.88 | 1.36 | 6.24 |
| | 990E | 4.93 | 1.43 | 6.36 |
| | 960E | 4.86 | 1.54 | 6.40 |
| | 930E | 4.66 | 1.68 | 6.34 |
| | 900E | 4.60 | 1.77 | 6.37 |
| | 870E | 4.26 | 1.78 | 6.04 |
| | 840E | 4.48 | 1.76 | 6.24 |
| | 810E | 4.09 | 1.81 | 5.90 |
| | 780E | 4.18 | 1.99 | 6.17 |
| | 750E | 4.06 | 2.23 | 6.29 |
| | 720E | 4.00 | 2.48 | 6.48 |




450 N

0 L

450 S

N

SURVEYED & COMPILED BY

geoterrex ltd

FOR

UNION OIL

ELEVATION CONTOUR MAP

Scales:

1 : 5,000

CONTOUR INTERVAL - 20 m

Instruments:

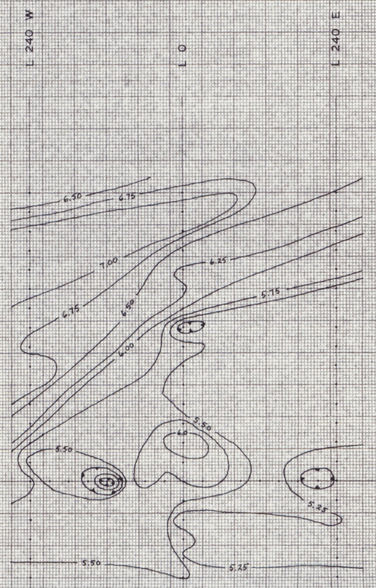
G.D.D. ELECTRONIC LEVEL

FISHOOK #1 GRID

YUKON TERRITORY

SURVEY BY: J.H. & D.K. | PLOTTED BY: J.H.

DATE: JUNE '79 | GEOTERREX PROJECT No: 85-846




450 N

300 N

150 N

BL 0

150 S

N

SURVEYED & COMPILED BY
geoterrex

FOR
UNION OIL

COMPLETE BOUGUER GRAVITY MAP - DENSITY 2.8 g/cc

Scale: 1:5,000

CONTOUR INTERVAL - 0.25 mgals

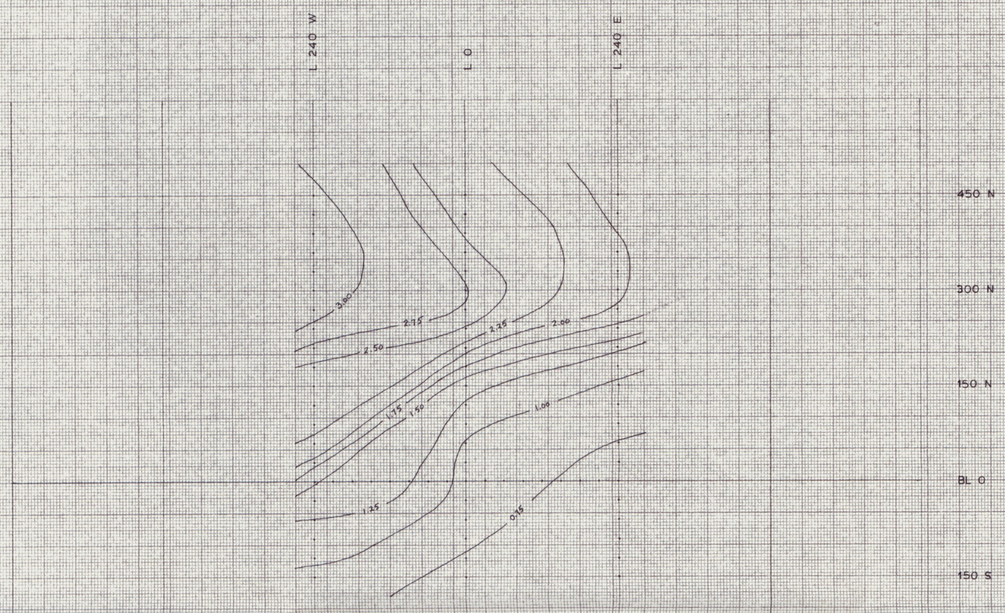
Instruments:
LACOSTE & ROMBERG MODEL "G"

FISHOOK 1 GRID

YUKON TERRITORY

SURVEY BY: A. W.
DATE: JUNE '11

PLOTTED BY: J. M.
GEOTERREX PROJECT No. 85-44




SURVEYED & COMPILED BY

**geoterrex** ltd

FOR

UNION OIL

TERRAIN CORRECTION CONTOUR MAP - DENSITY 2.0 g/cc

**Scales:** 1:5,000

CONTOUR INTERVAL - 0.25 mgals

**Instruments:**

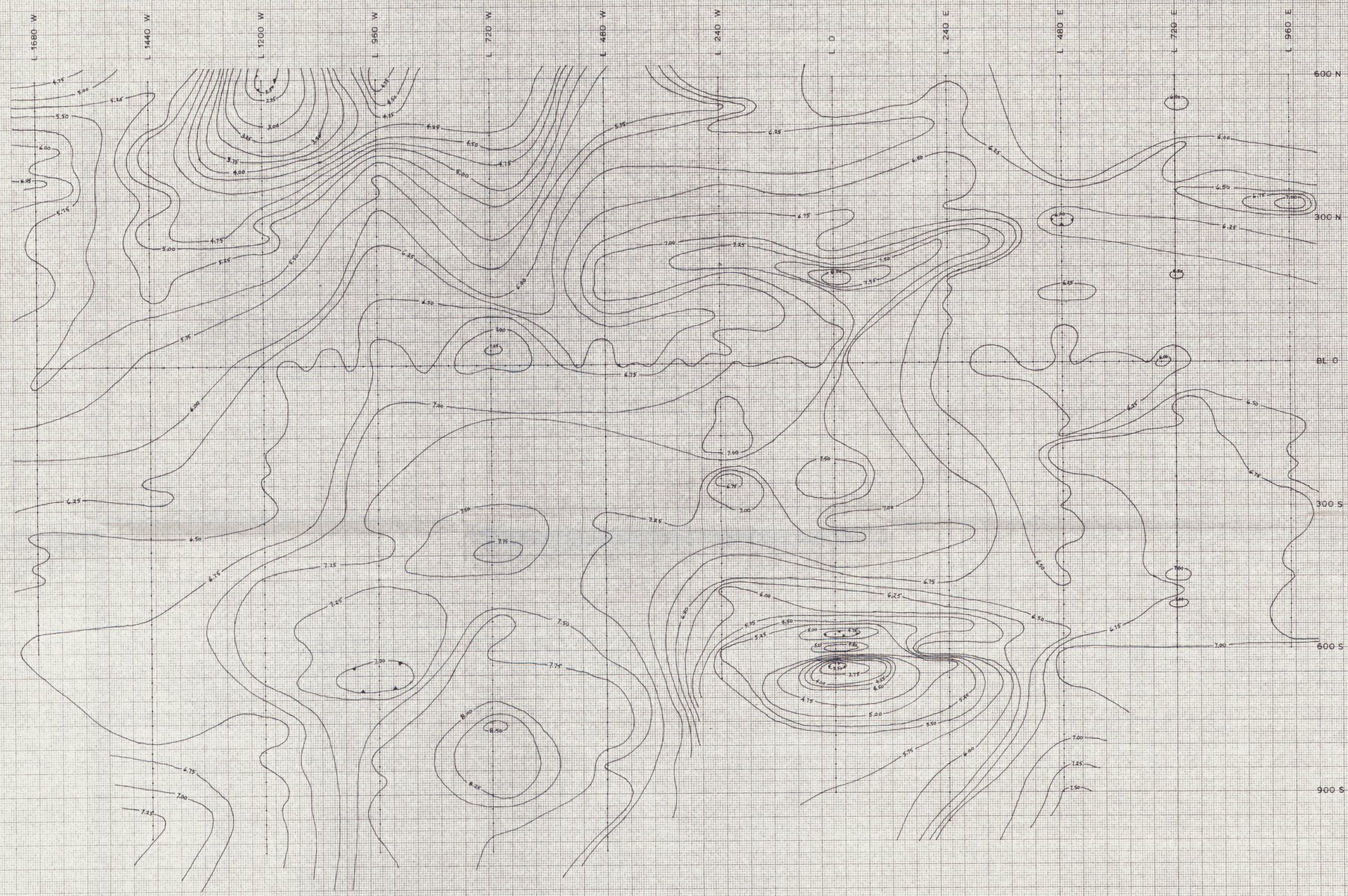
LACOSTE & ROMBERG MODEL "G"

FISHOOK 1 GRID

YUKON TERRITORY

SURVEY BY: A.W. | PLOTTED BY: J.R.

DATE: JUNE '79 | GEOTERREX PROJECT No 78-844




SURVEYED & COMPILED BY

geoterrex ltd

FOR

UNION OIL

COMPLETE BOUGUER GRAVITY MAP – DENSITY 2.8 g/cc

**Scales:** 1:5,000

CONTOUR INTERVAL - 0.25 mgals

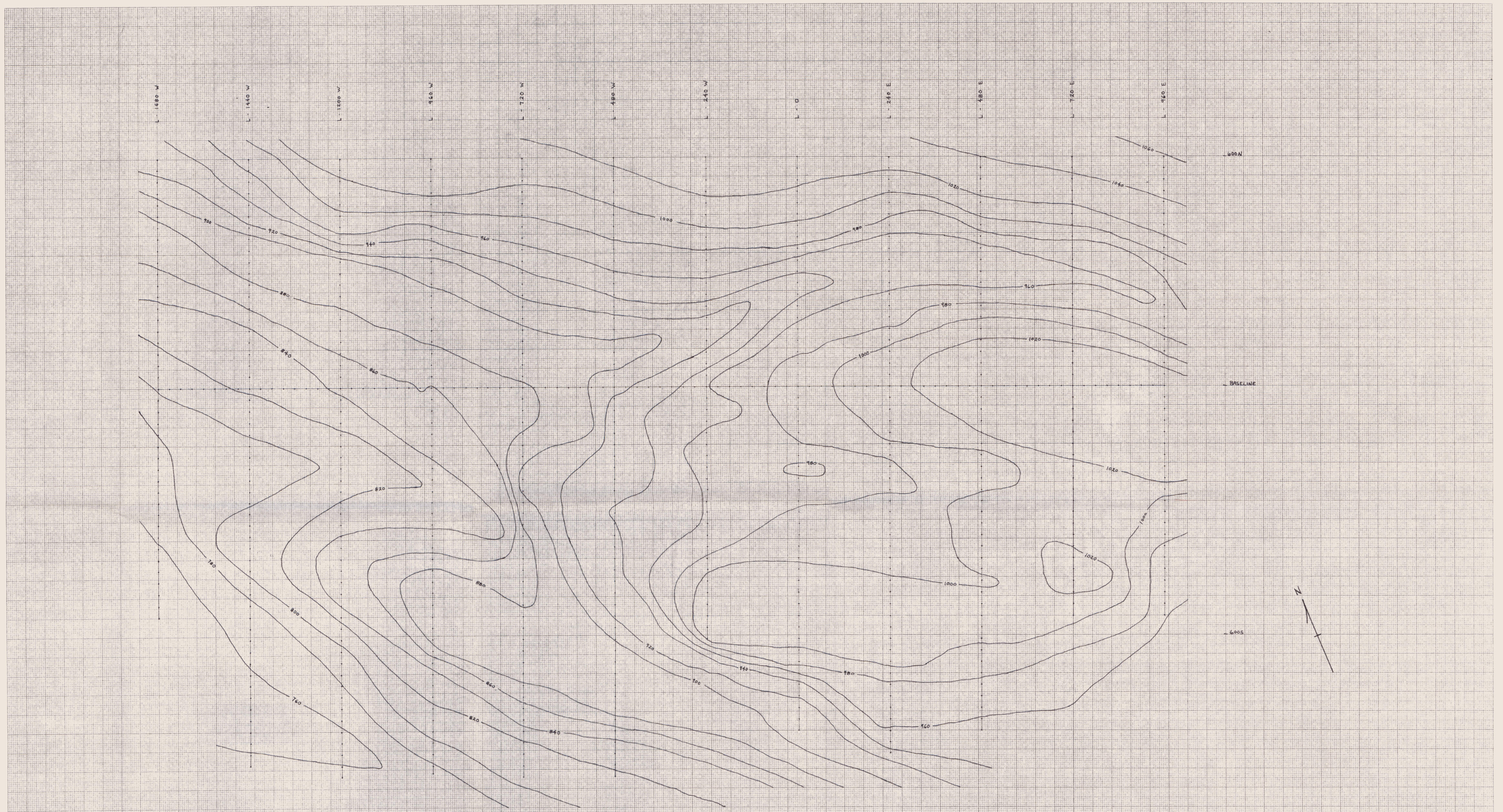
**Instruments:**

LACOSTE & ROMBERG MODEL "G"

# FISHOOK 2 GRID

YUKON TERRITORY

| | |
|---|---|
| SURVEY BY K.M. + A.W. | PLOTTED BY J.W. |
| DATE JUNE '79 | GEOTERREX PROJECT No 85-846 |




SURVEYED & COMPILED BY
geoterrex ltd

FOR
UNION OIL

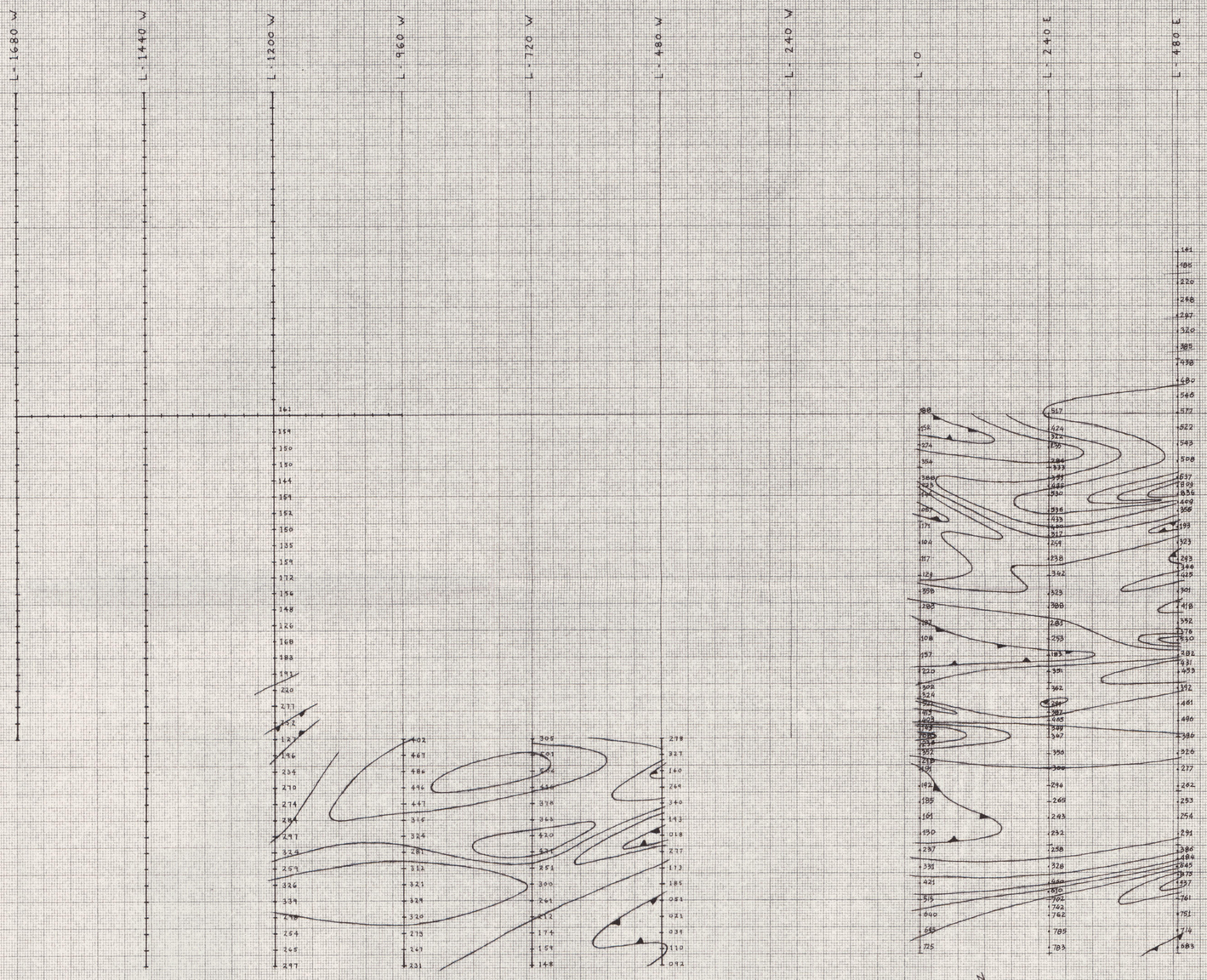
ELEVATION CONTOUR MAP

Scales:
1:5,000
CONTOUR INTERVAL - 20 m

FISHOOK #2 GRID
YUKON TERRITORY

Instruments:
G.D.D. ELECTRONIC LEVEL

SURVEY BY: A.W. J.H. K.M. | PLOTTED BY: J.N.
DATE JUNE '79 | GEOTERREX PROJECT No. 80-146




SURVEYED & COMPILED BY
**geoterrex** ltd

FOR
UNION OIL

MAGNETIC PROFILES

**Scales:** CONTOUR INTERVAL = 100 g
1 : 5,000
BASE 58000 GAMMAS

**Instruments:**
GEONICS G-816 MAGNETOMETER

FISHOOK #2 GRID
Y.T.

SURVEY BY D.K. | PLOTTED BY J.H.
DATE 6/19 | GEOTERREX PROJECT No 85-846

L 1680 W
L 1440 W
L 1200 W
L 960 W
L 720 W
L 480 W
L 240 W
L 0
L 240 E
L 480 E
L 720 E
L 960 E

600 N
300 N
BL 0
300 S
500 S
900 S

N

SURVEYED & COMPILED BY
geoterrex ltd

FOR
UNION OIL

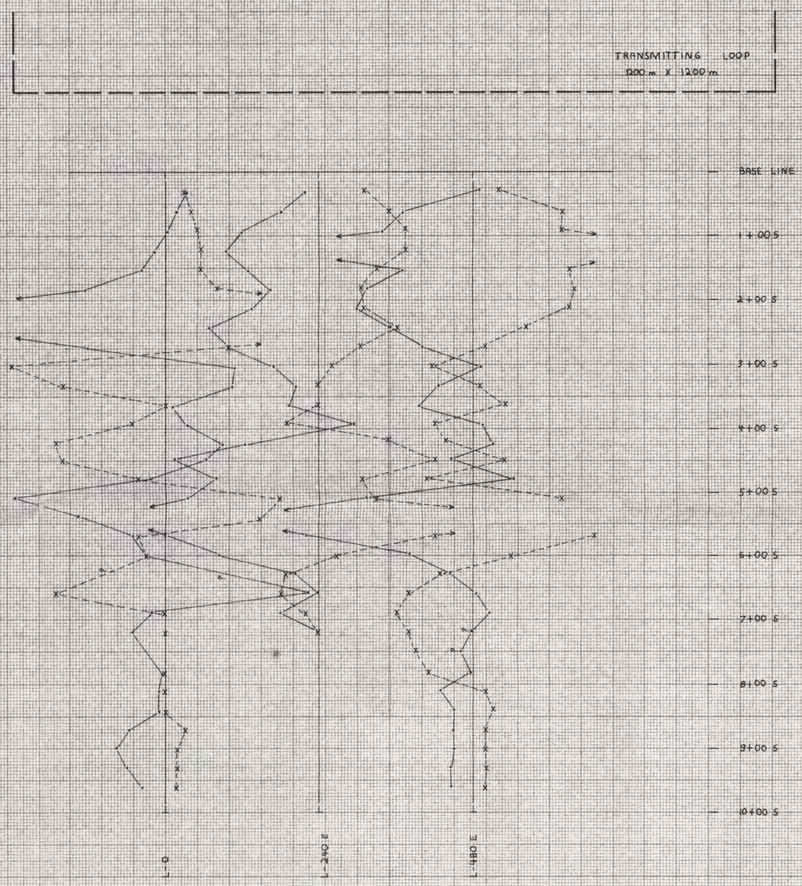
TERRAIN CORRECTION CONTOUR MAP - DENSITY 2.8 g/cc

Scales: 1: 5,000
CONTOUR INTERVAL - 0.25 mgals

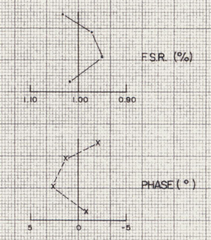
Instruments:
LACOSTE & ROMBERG MODEL "G"

FISHOOK 2 GRID
YUKON TERRITORY

| | |
|---|---|
| SURVEY BY: A.W. K.M. | PLOTTED BY: J.H. |
| DATE JUNE '79 | GEOTERREX PROJECT No. 80-844 |






60m coil separation, 800 Hz

Scale 1:5000

chainage in meters

SURVEYED & COMPILED BY
geoterrex ltd

FOR
UNION OIL CO. OF CANADA

TURAM (SE-71) SURVEY

Scales: 1:5000

ANVIL AREA, YUKON TERRITORY
FISHOOK-2 GRID

Instruments:
SCINTREX SE-71

SURVEY BY A.W.J.H.
DATE SEPT./79

PLOTTED BY
GEOTERREX PROJECT No. 85-846

L 1680 W
L 1440 W
L 1200 W
L 960 W
L 720 W
L 480 W
L 240 W
L 0
L 240 E
L 480 E
L 720 E
L 960 E

TRANSMITTING LOOP - 1200 m x 1200 m

500 N
300 N
BL 0
300 S
600 S
900 S

N

TRANSMITTING LOOP - 480 m x 480 m

F.S.R. (%)
10 1.00 9.0

PHASE (°)
+5 0 -5

SURVEYED & COMPILED BY geoterrex ltd

FOR UNION OIL

TURAM (ANDROTEX) SURVEY

Scales: 1:5,000
FREQ. - 225 Hz

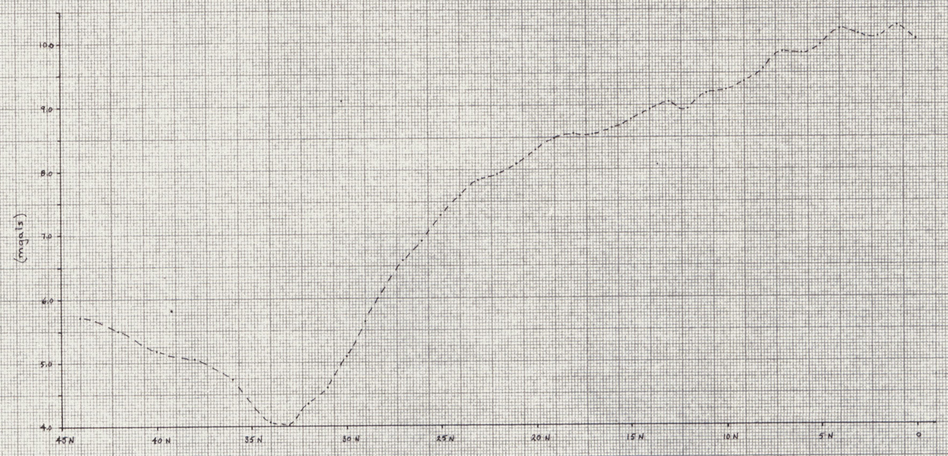
Instruments:
ANDROTEX ELFAST

# FISHOOK 2 GRID

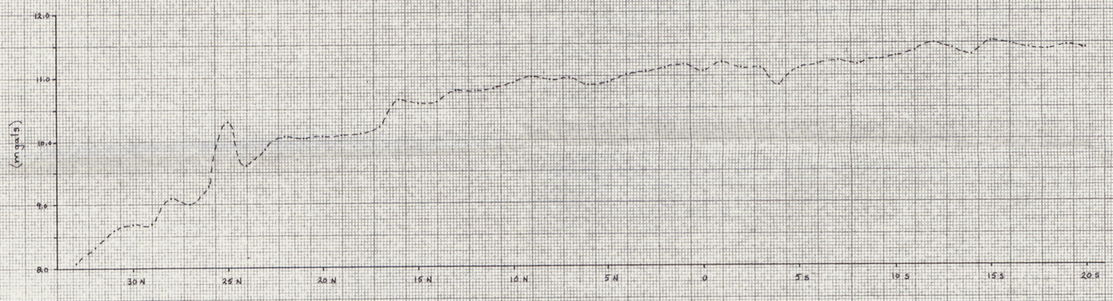
YUKON TERRITORY

SURVEY BY A.W. J.H. | PLOTTED BY J.H.
DATE JUNE/79 | GEOTERREX PROJECT No 85-846

L 112 E



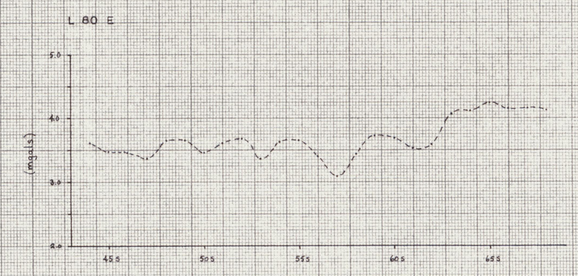

L 96 E




L 96 E




L 80 E




SURVEYED & COMPILED BY geoterrex ltd

FOR UNION OIL

COMPLETE BOUGUER GRAVITY PROFILES – DENSITY 2.8 g/cc

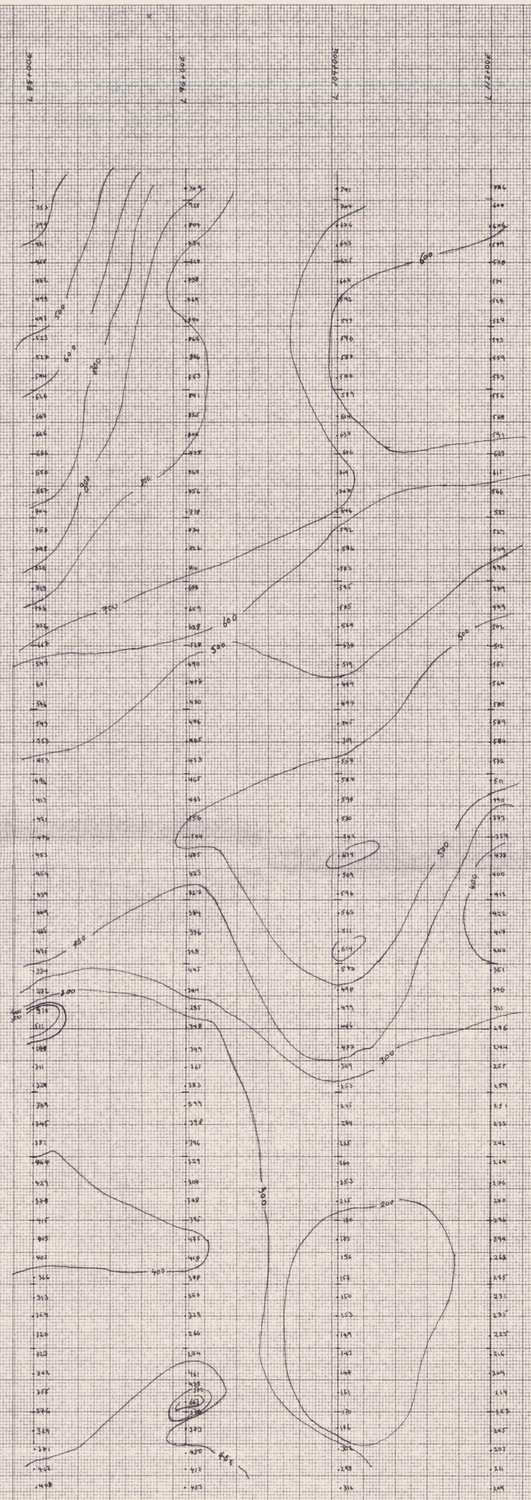
**Scales:**
HORIZONTAL 1:5,000
VERTICAL 1 cm = 0.5 mgals

**Instruments:**
LACOSTE & ROMBERG MODEL "G"

# OLD FISHOOK GRID

YUKON TERRITORY

SURVEY BY A.W. + J.H. | PLOTTED BY J.H.
DATE JULY '79 | GEOTERREX PROJECT No. 85-846




SURVEYED & COMPILED BY
geoterrex ltd

FOR
UNION OIL

MAGNETIC CONTOURS

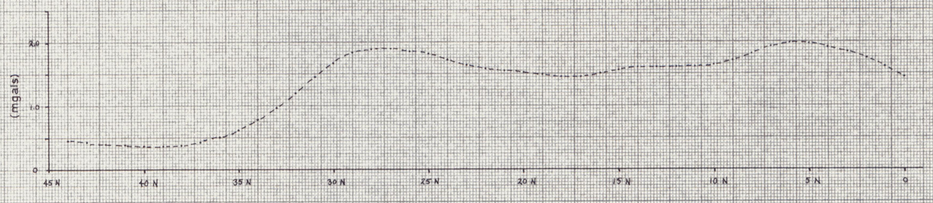
Scales :
1:5000
CONTOUR INTERVAL = 100 G
BASE = 58000 GAMMAS

Instruments :
GEOMETRICS G826
MAGNETOMETER

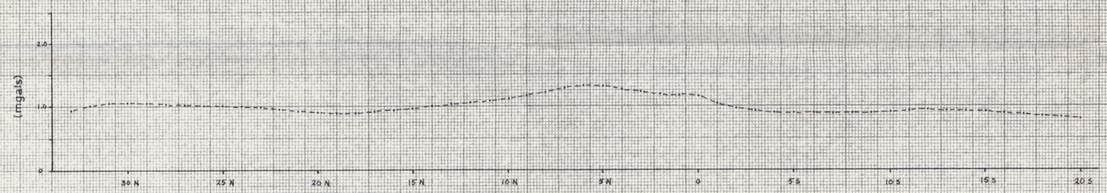
OLD FISHOOK
YUKON

SURVEY BY RJ+J | PLOTTED BY RJ+J
DATE 30 IV 79 | GEOTERREX PROJECT No 8584

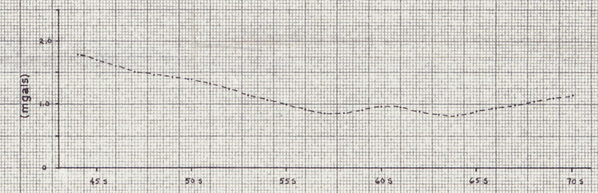
L 112 E



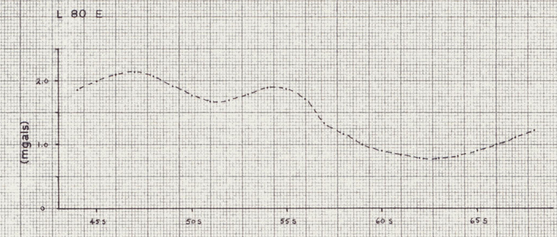

L 96 E




L 96 E




L 80 E




SURVEYED & COMPILED BY
geoterrex ltd

FOR
UNION OIL

TERRAIN CORRECTION PROFILES – DENSITY 2.8 g/cc

Scales : HORIZONTAL 1:5,000
VERTICAL 1 cm = 0.5 mgals

Instruments :
LACOSTE & ROMBERG MODEL "G"

# OLD FISHOOK GRID

YUKON TERRITORY

SURVEY BY A.W. J.K. | PLOTTED BY J.K.
DATE JULY '79 | GEOTERREX PROJECT No: 85-844

+44 N

+22 N

BL. 0

-22 S

-44 S

L 112 E

L 96 E

L 80 E

L 64 E

TRANSMITTING LOOP - 4800' x 4800'

TRANSMITTING LOOP - 4800' x 4800'

N

F.S.R. (%)

PHASE (°)

SURVEYED & COMPILED BY geoterrex ltd

FOR UNION OIL

TURAM (ANDROTEX) SURVEY

Scales: 1:5,000

FREQ. - 225 Hz.

Instruments:

ANDROTEX ELFAST

OLD FISHOOK GRID

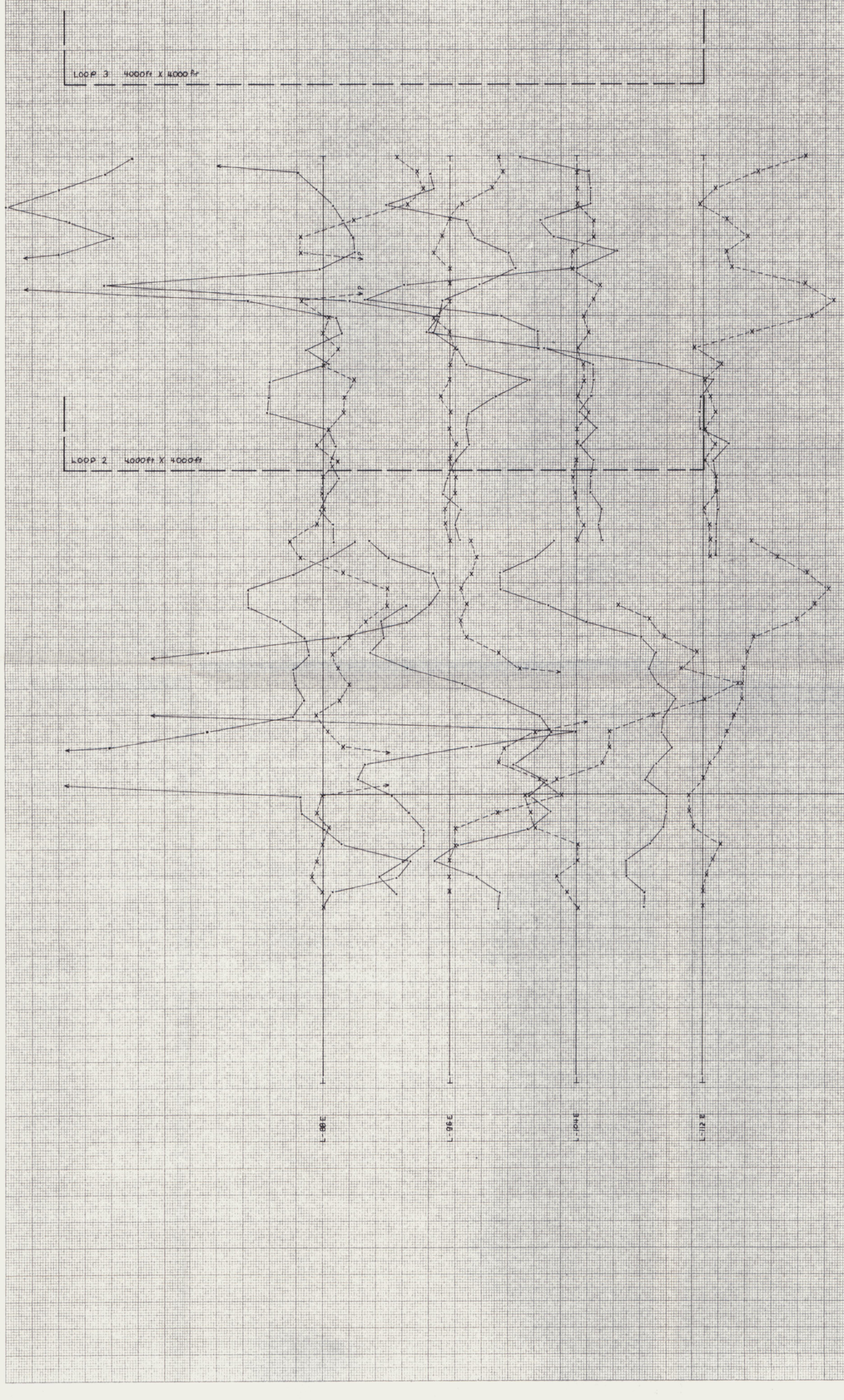
YUKON TERRITORY

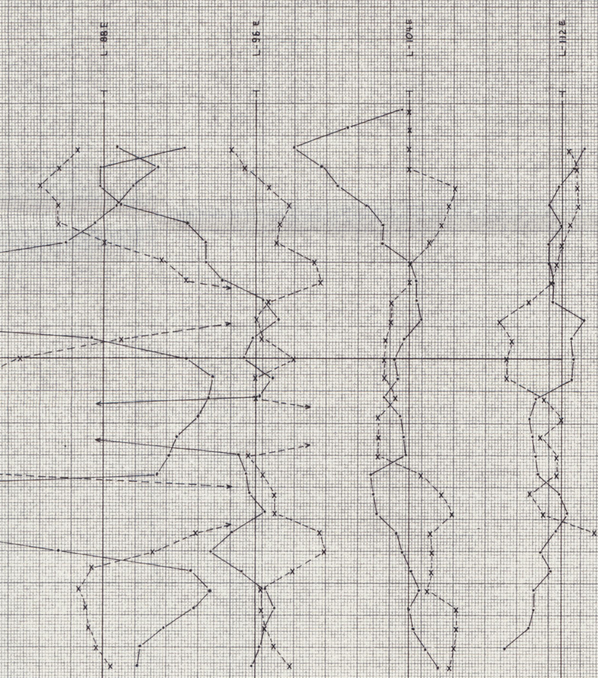
SURVEY BY A.W.

DATE JULY/79

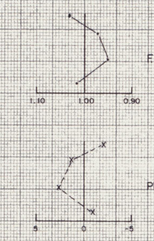
PLOTTED BY J.H.

GEOTERREX PROJECT No 85-846




| LOOP | LINES SURVEYED | CHAINAGE |
|---|---|---|
| LOOP 1 | 88E, 96E, 104E, 112E | 16+00S to 13+00N |
| LOOP 2 | 88E, 96E, 104E, 112E | 7+00S to 16+00N |
| LOOP 3 | 88E, 96E, 104E, 112E | 16+00N to 40+00N |




60m coil separation, 800 Hz

Scale 1:5000

chainage in hundreds of feet

SURVEYED & COMPILED BY

geoterrex ltd

FOR

UNION OIL CO. OF CANADA

TURAM (SE-71) SURVEY

Scales : 1:5000

ANVIL AREA, YUKON TERRITORY

OLD FISHOOK GRID

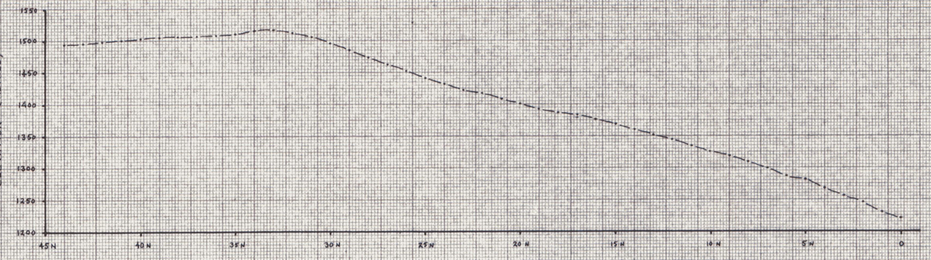
Instruments :

SCINTREX SE-71

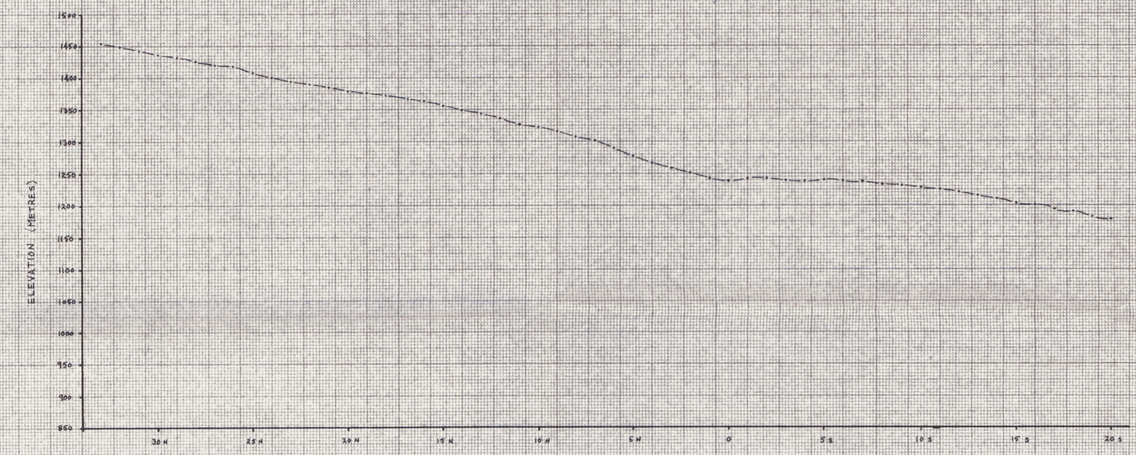
SURVEY BY A.W.J.H. | PLOTTED BY

DATE SEPT./79 | GEOTERREX PROJECT No. 85-846

L - 112 E



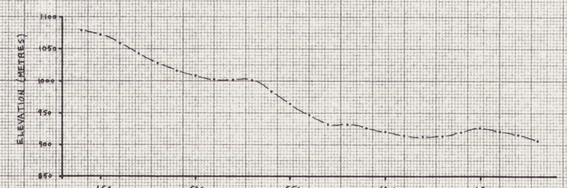

L - 96 E




L - 96 E




L - 80 E




SURVEYED & COMPILED BY geoterrex ltd

FOR UNION OIL

ELEVATION PROFILES

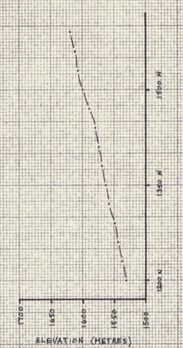
Scales: VERTICAL: 1cm = 50m
1:5,000

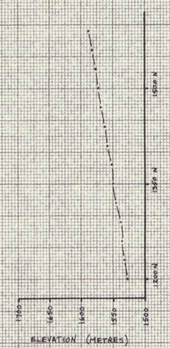
Instruments:
G.D.D. ELECTRONIC LEVEL

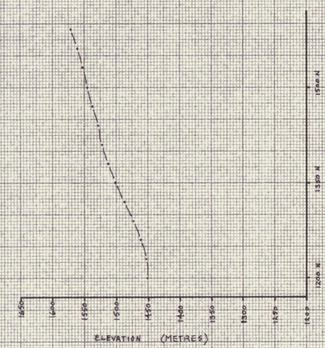
OLD FISHOOK GRID
YUKON TERRITORY

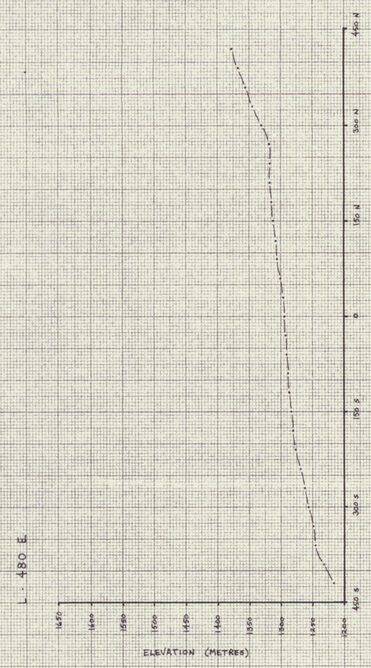
SURVEY BY J.G. & A.R. | PLOTTED BY J.H.
DATE JULY '84 | GEOTERREX PROJECT No 85-846

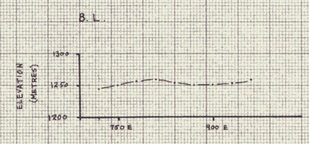


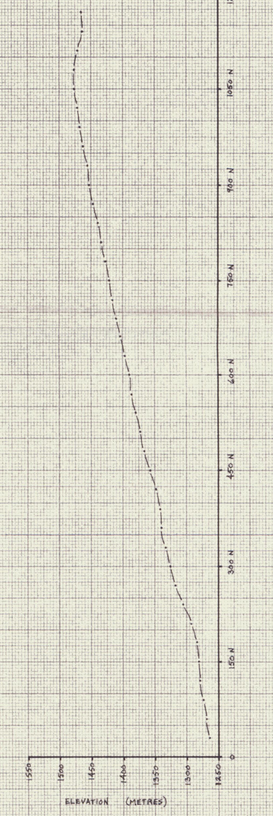




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**geoterrex** ltd

FOR
UNION OIL

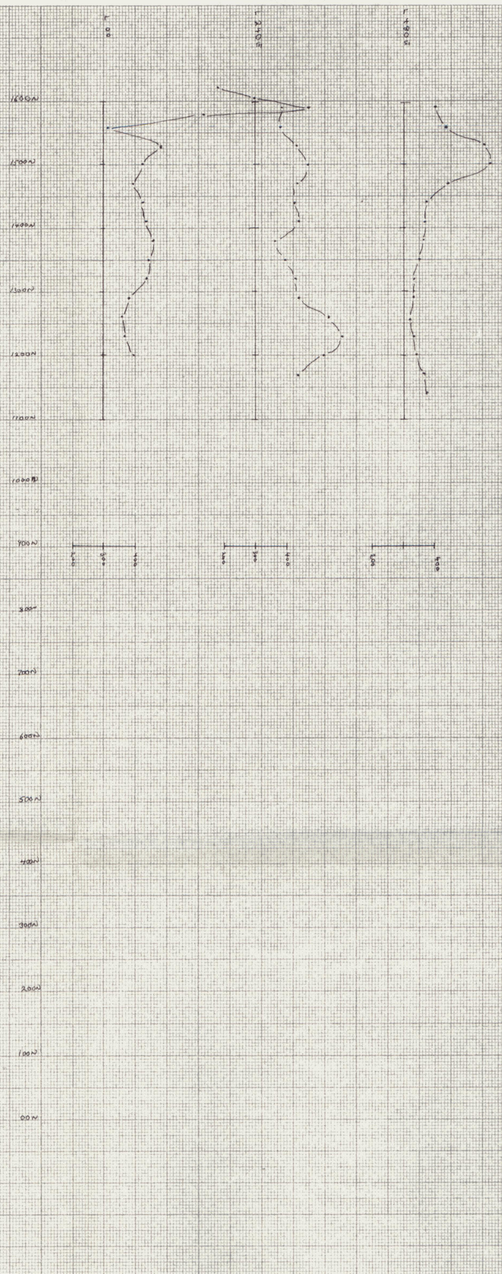
ELEVATION PROFILES

**Scales :** VERTICAL : 1cm = 50m
1 : 5,000

TAY #1 GRID
YUKON TERRITORY

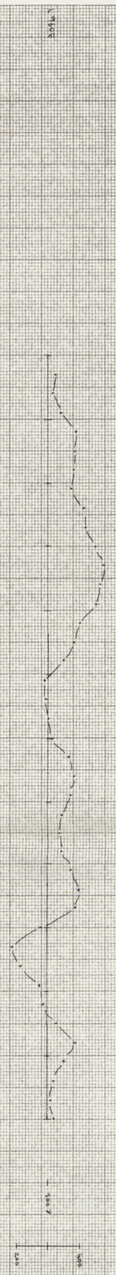
**Instruments :**
G.D.D. ELECTRONIC LEVEL.

SURVEY BY : J.H. + J.E. | PLOTTED BY : J.H.
DATE : JULY '79 | GEOTERREX PROJECT No 85-844











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MAGNETIC PROFILES

Scales : 1:5000

BASE 58000 GAMMAS

Instruments :

GEOMETRICS G 826

MAGNETOMETER

TAY 1

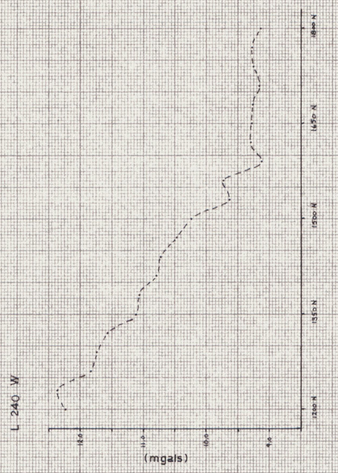
YUKON

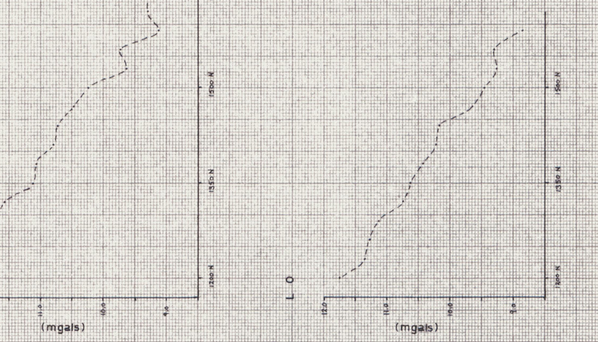
SURVEY BY ASM

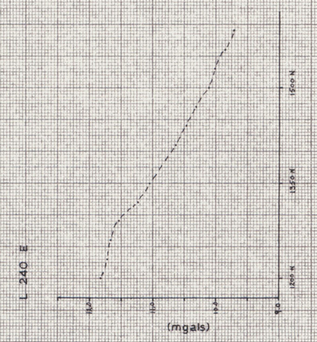
DATE SEP 87

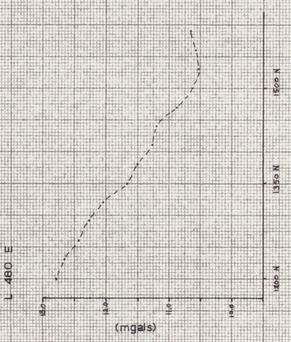
PLOTTED BY RJW

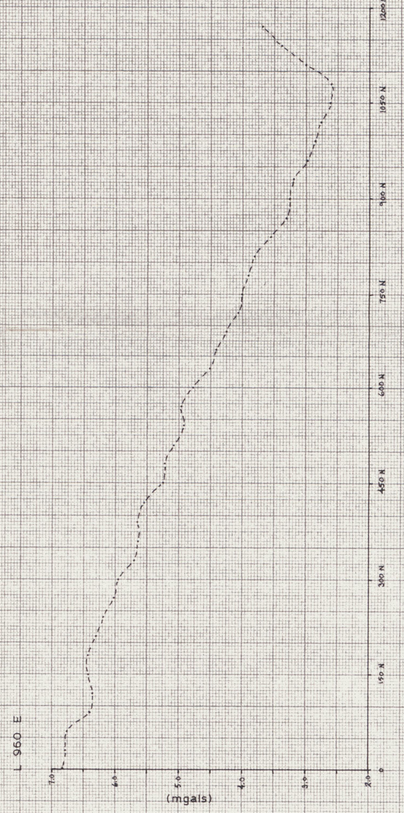
GEOTERREX PROJECT No. 85 876

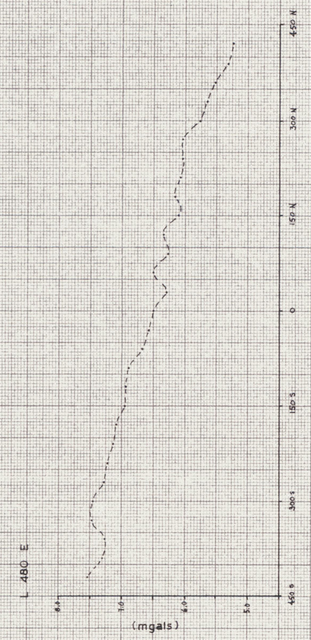


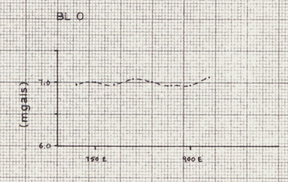




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FOR

UNION OIL

COMPLETE BOUGUER GRAVITY PROFILES- DENSITY 2.8 g/cc

**Scales:**
HORIZONTAL 1:5,000
VERTICAL 1 cm = 0.5 mgals

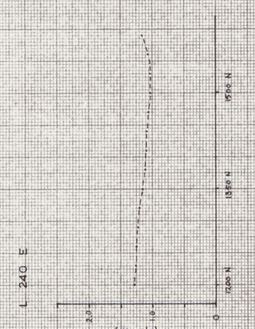
**Instruments:**
LACOSTE & ROMBERG MODEL "G"

# TAY 1 GRID

YUKON TERRITORY

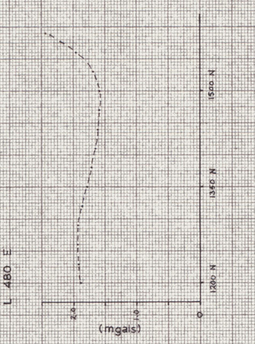
| | |
|---|---|
| SURVEY BY: J.K. | PLOTTED BY: J.H. |
| DATE: JULY '79 | GEOTERREX PROJECT No. 85-846 |

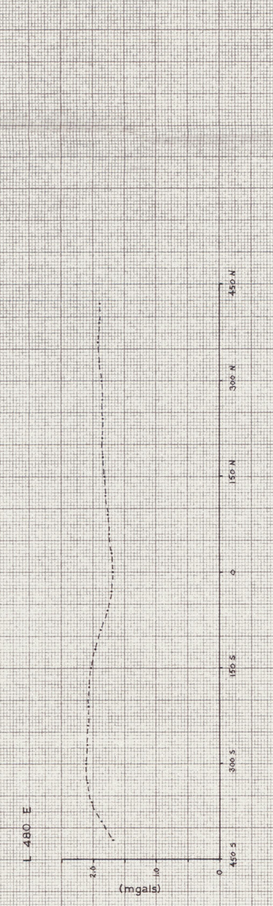


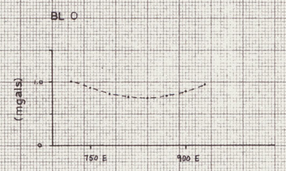



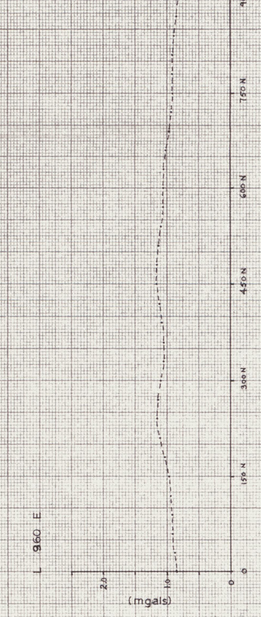







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FOR
UNION OIL

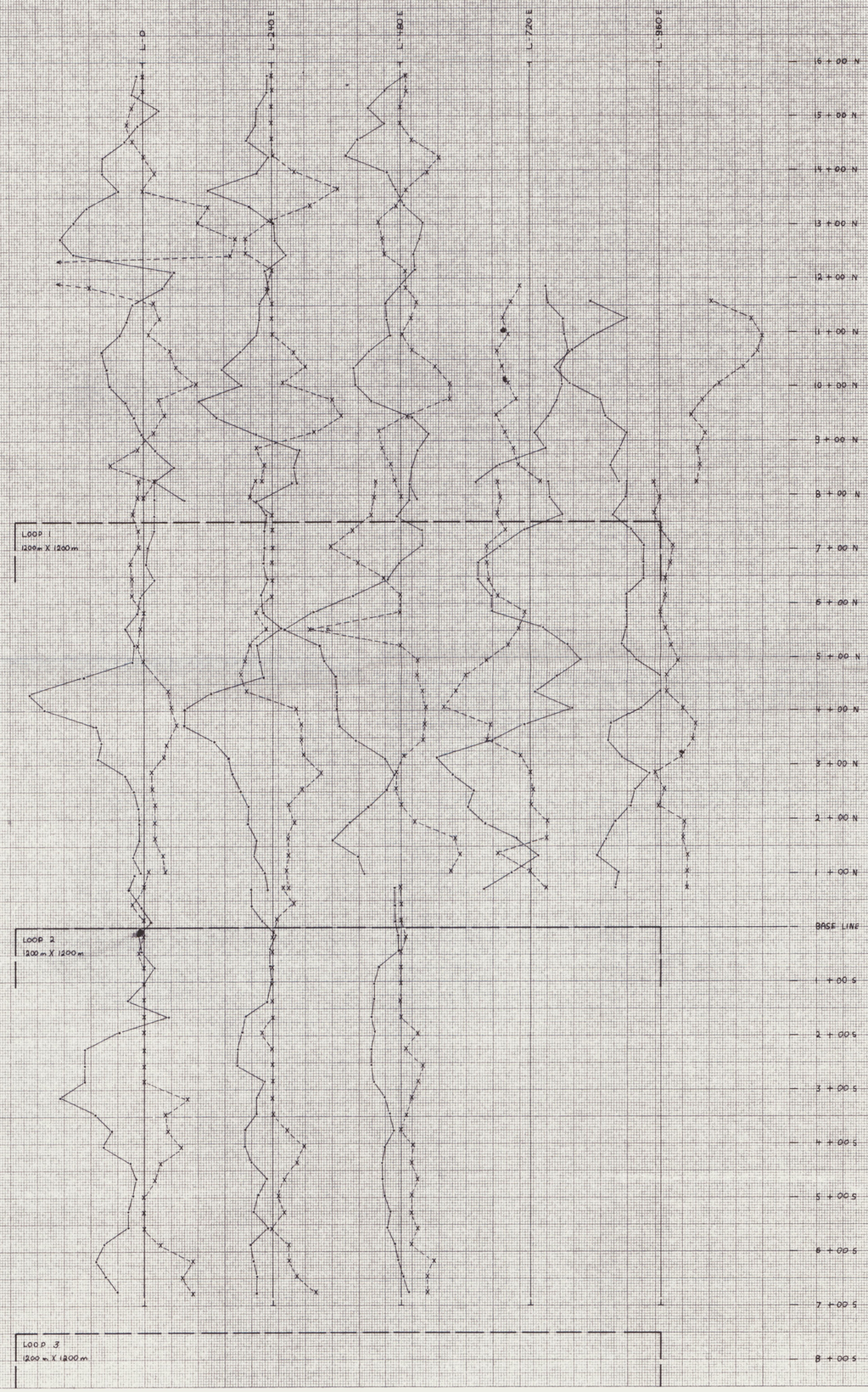
TERRAIN CORRECTION PROFILES – DENSITY 2.8 g/cc

**Scales:**
HORIZONTAL 1: 5,000
VERTICAL 1 cm = 0.5 mgals

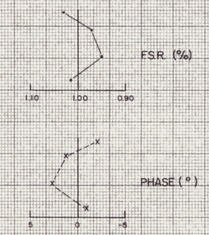
**Instruments:**
LACOSTE & ROMBERG MODEL 'G'

TAY 1 GRID
YUKON TERRITORY

| | |
|---|---|
| SURVEY BY J.H. | PLOTTED BY J.H. |
| DATE JULY '85 | GEOTERREX PROJECT No. 85-844 |




| LOOP | LINES SURVEYED | CHAINAGE |
|---|---|---|
| LOOP 1 | 0,240E,480E,720E,960E | 7+95N to 15+75N |
| LOOP 2 | 0,240E,480E,720E,960E | 0+75N to 8+25N |
| LOOP 3 | 0,240E,480E | 6+75S to 0+75N |




30m coil separation, 800 Hz

Scale 1:5000

chainage in meters

SURVEYED & COMPILED BY
geoterrex ltd

FOR
UNION OIL CO. OF CANADA

TURAM (SE-71) SURVEY

Scales : 1:5000

ANVIL AREA, YUKON TERRITORY
TAY-1 GRID

Instruments :
SCINTREX SE-71

SURVEY BY A.W.J.H. | PLOTTED BY
DATE SEPT./79 | GEOTERREX PROJECT No. 85-846

L - 720 W

L - 480 W

L - 240 W

L - 0

L - 240 E

L - 480 E

L - 720 E

L - 960 E

L - 1200 E

L - 1440 E

750 N

750 S

N

SURVEYED & COMPILED BY

geoterrex ltcd

FOR

UNION OIL

ELEVATION CONTOUR MAP.

Scales :

1 : 5,000

CONTOUR INTERVAL - 20 m

Instruments :

G.D.D. ELECTRONIC LEVEL

TAY # 2 GRID

YUKON TERRITORY

SURVEY BY J.H. & J.E. | PLOTTED BY J.H.

DATE JULY '79 | GEOTERREX PROJECT No: 85-842

L 720 W | L 480 W | L 240 W | L 0 | L 240 E | L 480 E | L 720 E | L 960 E | L 1200 E | L 1440 E

1200 N

900 N

600 N

300 N

BL 0

300 S

600 S

900 S

1200 S

N

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geoterrex ltd

FOR
UNION OIL

COMPLETE BOUGUER GRAVITY MAP — DENSITY 2.8 g/cc

Scales : 1:5,000

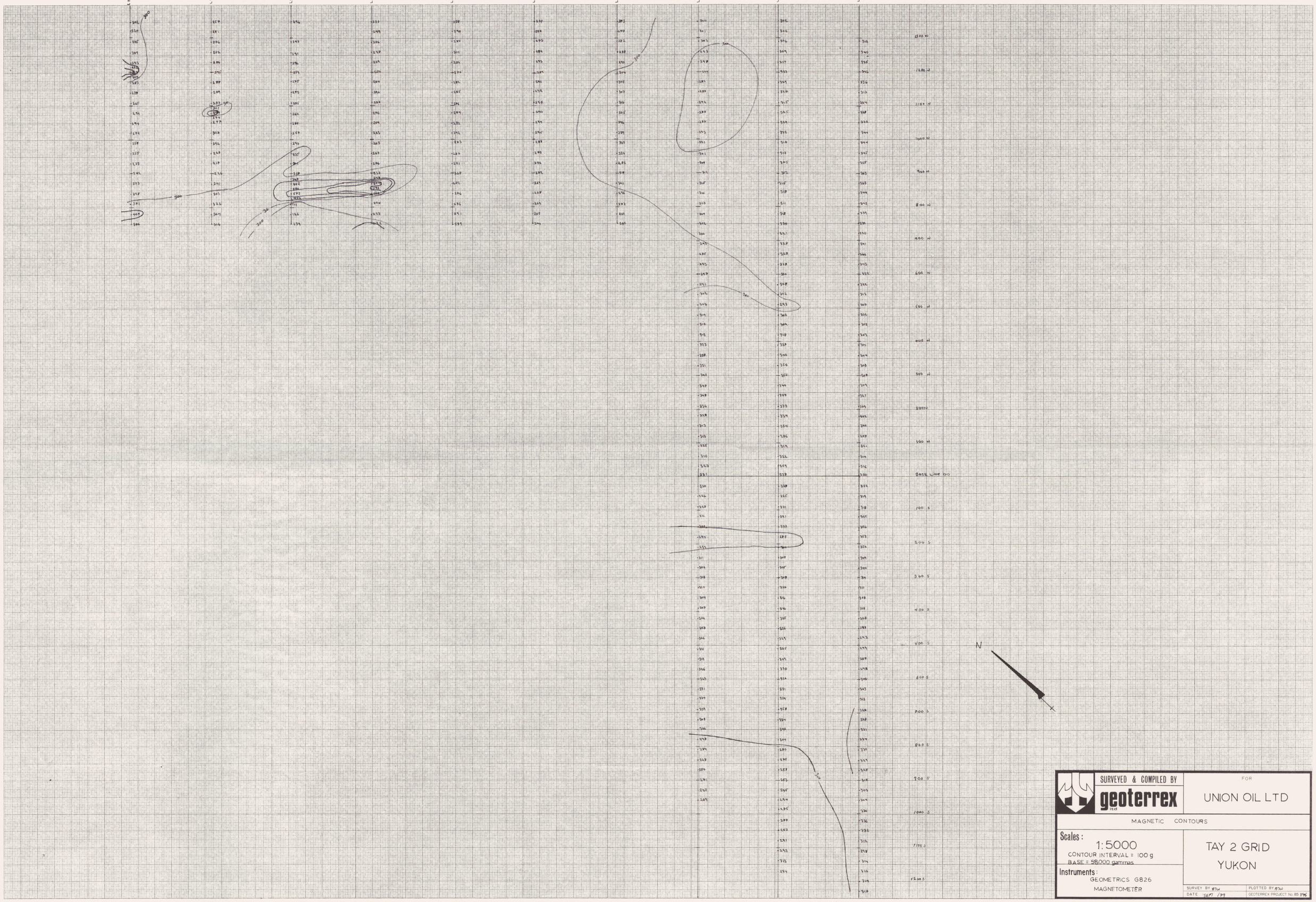
CONTOUR INTERVAL - 0.25 mgals

Instruments :
LACOSTE & ROMBERG MODEL "G"

TAY 2 GRID

YUKON TERRITORY

SURVEY BY: J.H. & A.W. | PLOTTED BY: J.H.
DATE: JULY '79 | GEOTERREX PROJECT No: 85-046




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FOR
UNION OIL LTD

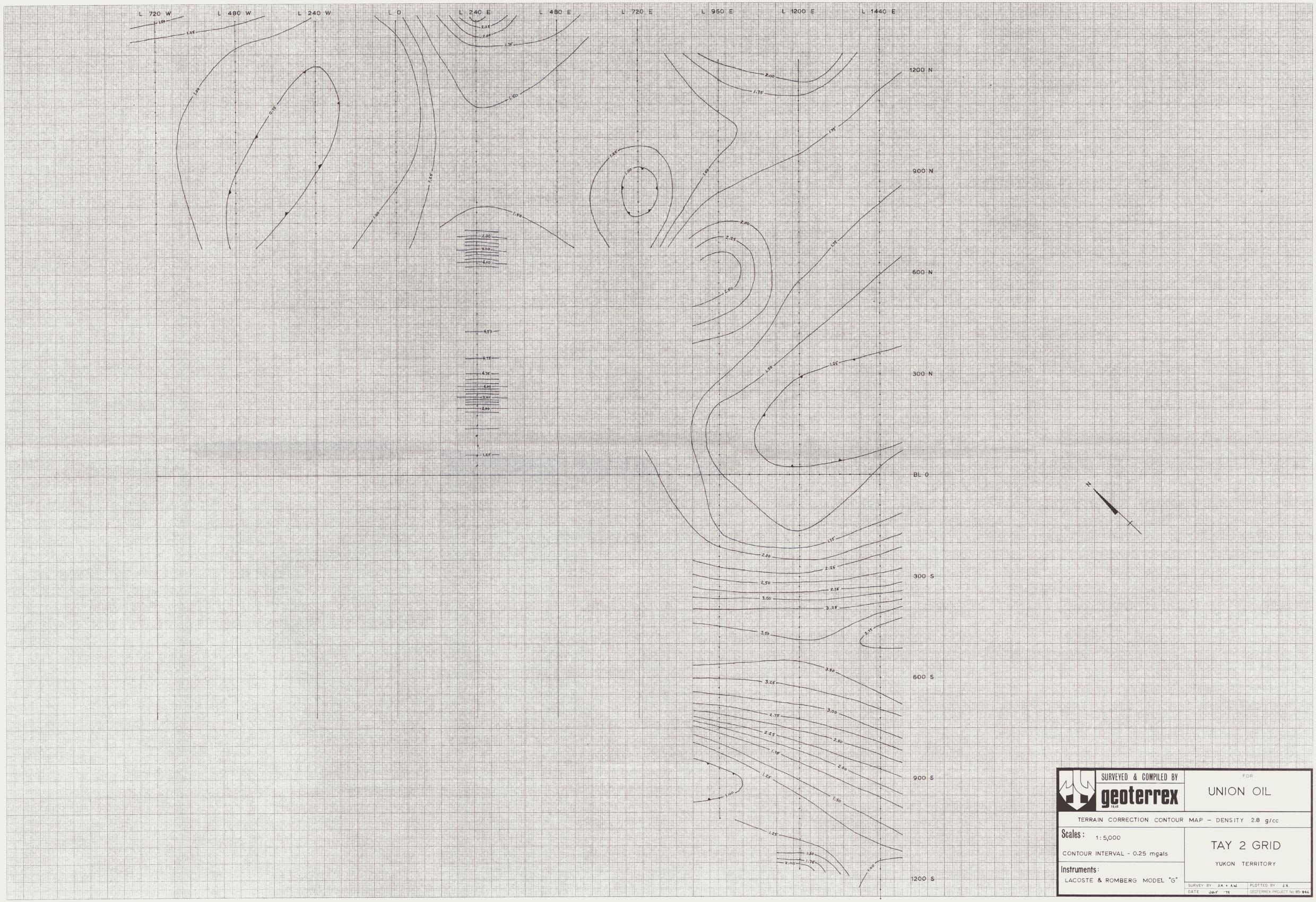
MAGNETIC CONTOURS

Scales :
1:5000
CONTOUR INTERVAL = 100 g
BASE = 58000 gammas

Instruments :
GEOMETRICS G826
MAGNETOMETER

TAY 2 GRID
YUKON

SURVEY BY RTW | PLOTTED BY RTW
DATE SEPT 1/89 | GEOTERREX PROJECT No. 85 896




SURVEYED & COMPILED BY **geoterrex** ltd

FOR UNION OIL

TERRAIN CORRECTION CONTOUR MAP – DENSITY 2.8 g/cc

**Scales:** 1:5,000

CONTOUR INTERVAL - 0.25 mgals

**Instruments:** LACOSTE & ROMBERG MODEL "G"

TAY 2 GRID

YUKON TERRITORY

SURVEY BY J.H. + A.W. | PLOTTED BY J.H.

DATE July '79 | GEOTERREX PROJECT No 85-846

LINE 720W
LINE 480W
LINE 240W
LINE 0
LINE 240E
LINE 480E
LINE 720E
LINE 960E
LINE 1200E
LINE 1440E

LOOP 1, 1200m x 1260m

LOOP 2, 1200m x 1260m

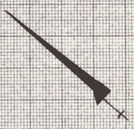
LOOP 3, 960m x 1260m

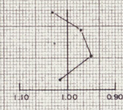
LOOP 4, 960 x 1260m

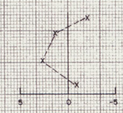
LOOP 5, 960m x 1200m

12+00N
11+00N
10+00N
9+00N
8+00N
7+00N
6+00N
5+00N
4+00N
3+00N
2+00N
1+00N
BASELINE
1+00S
2+00S
3+00S
4+00S
5+00S
6+00S
7+00S
8+00S
9+00S
10+00S
11+00S
12+00S

| LOOP | LINES SURVEYED | CHAINAGE |
|---|---|---|
| LOOP 1 | 720W, 480W, 240W, 0, 240E, 480E | 4+80N to 13+20N |
| LOOP 2 | 0, 480E | 4+00S to 4+80N |
| LOOP 3 | 720E, 960E, 1200E, 1440E | 3+90N to 12+60N |
| LOOP 4 | 960E, 1200E, 1440E | 5+20S to 3+90N |
| LOOP 5 | 960E, 1200E, 1440E | 12+30S to 5+20S |






60m coil separation, 800 Hz

Scale 1:5000

chainage in meters

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geoterrex ltd

FOR
UNION OIL CO. OF CANADA

TURAM (SE-71) SURVEY

Scales: 1:5000

ANVIL AREA, YUKON TERRITORY
TAY-2 GRID

Instruments:
SCINTREX SE-71

SURVEY BY A.W.J.H.
DATE SEPT./79

PLOTTED BY
GEOTERREX PROJECT No. 85-846