

RELINQUISHMENT REPORT
EXPLORATION LICENCES 7266, 7300 & 7301

24th May, 1991
to
23rd May, 1995

Licensee: Ashton Mining Limited

Operator: Ashton Mining Limited
BHP Minerals Pty Ltd

Sheet Reference: 1:250,000 Bauhinia Downs (SE 53-03)
1:250,000 Mount Young (SD 53-15)

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SUMMARY

During the period 24th May, 1991 to 23rd May, 1995 Ashton Mining Limited, on behalf of the Australian Diamond Exploration Joint Venture (ADE JV), carried out an exploration programme over Exploration Licences 7266, 7300 and 7301, which form part of the Bauhinia Downs project tenements. In May, 1995 these tenements were reduced. This report provides a summary of the exploration activities undertaken within the relinquished portion of these licences.

Diamond exploration work consisted of open file data review and regional stream and loam sampling. A total of fifty-three samples were collected within the relinquished portions of ELs 7266, 7300 and 7301. All samples were forwarded to Ashton's Perth laboratory for processing.

Sample results were considered poor, despite five samples reporting diamond occurrences. As no prospective patterns were discovered, further work within these areas was not warranted, and relinquishment was recommended.

Base metal exploration comprised;

EL 7266:

Small areas of the tenement were flown with airborne TEM and magnetic surveys, both as part of much larger regional surveys. Helicopter supported soil and rock sampling was conducted in three discrete areas to follow up stream sediment Cu anomalies identified from Open File data. No significant geophysical or geochemical anomalies were identified and the tenement was deleted from the Joint Venture on 20 June 1995.

EL 7300:

Exploration on the relinquished area consisted of an Open File search and assessment, an airborne TEM survey, ground TEM and geochemical sampling.

A single airborne TEM anomaly, B250 was selected for ground follow-up within the relinquished area of EL7300. TEM soundings identified a bedrock conductor at B250 which was followed up with soil sampling. The sampling did not identify anomalous base metals in soils overlying the conductor. No further base metal exploration is proposed for the relinquished tenement area.

EL 7301:

Exploration consisted of an ongoing Open File search and assessment, an aeromagnetic survey, an airborne TEM survey (QUESTEM), ground TEM, geochemical sampling, geological traversing and percussion drilling.

A soil sampling program was conducted on EL7301 to follow-up anomalous Open File stream sediment samples. A total of 147 samples was collected over Upper McArthur Group sediments including the Barney Creek Formation (Pmq). Peak values for the survey were 176 ppm Cu, 122 ppm Zn and 255 ppm Pb.

A small TEM soundings program was completed in the Tobacco Yard area in 1994 to follow-up a Pb-Zn soil anomaly over Pmq delineated in 1993. The soundings did not identify any bedrock conductors within Pmq.

A single line of soil samples was completed over QUESTEM anomaly MY 32 and returned only background base metal values.

Two RC percussion holes were drilled to gain lithological and geochemical data for Pmq west of the soil anomaly delineated in 1993. Both holes identified a thin horizon with anomalous Pb-Zn near the base of Pmq thought to be the cause of the soil anomaly.

No further base metal exploration is planned and the tenement was deleted from the McArthur River Joint Venture on 11 April 1995.

Exploration expenditure amounted to \$ 259,710.

1.0 INTRODUCTION

Exploration Licences 7266, 7300 and 7301 were granted to Ashton Mining Limited in 1991 for a period of six years. The licences are situated on the Bauhinia Downs (SE 53-03) and Mount Young (SD 53-15) 1:250,000 map sheets. The target of exploration within the three licences is diamond bearing kimberlitic intrusives and the principal exploration technique employed has been regional stream sampling.

Group reporting of these tenements was requested on the 20th January, 1993 and approved by the Department of Mines and Energy in February, 1993. These tenements are referred to as the Bauhinia Downs Project tenements.

In accordance with the Mining Act, statutory relinquishments were made in 1993, 1994 and again in 1995, the details of which are provided in Table 1. Figures 1, 2 and 3 show the retained/relinquished areas.

Tenement	Date Granted	Area (blocks)			
		1992	1993	1994	1995
EL 7266	24/05/91	205	103	52	25
EL 7300	06/06/91	406	244	122	61
EL 7301	24/05/91	484	242	121	61

These licences also form part of the McArthur River Joint Venture. On the 24th January, 1992, Ashton Mining Limited, on behalf of the Australian Diamond Exploration Joint Venture (ADEJV), entered into a joint venture with BHP Minerals Pty Ltd, which would allow BHP to earn up to 80% of the base metal rights to these tenements.

This report provides a summary of work undertaken by Ashton Mining and BHP Minerals, over the relinquished areas of ELs 7266, 7300 and 7301, during the period 24th May, 1991 to 23rd May, 1995. A statement of expenditure is also included in this report.

2.0 DIAMOND EXPLORATION PROGRAMME

2.1 Data Review

Prior to commencing field work, a comprehensive data review of results and previous exploration in the tenement area was undertaken. In addition, a study of available photography was made to assist in delineating structural and geomorphic features which could represent kimberlitic intrusives. Areas of low relief and poor drainages were also highlighted as these could contain preserved intrusives which had not shed significantly into the present drainages. Areas that had not been adequately explored were targeted for sampling. Proposed gravel sample locations were plotted in the office on 1:100,000 map sheets.

2.2 Reconnaissance Sampling

Reconnaissance stream sampling programmes were implemented over all three licences, resulting in a total of forty-three samples being collected within the relinquished areas. Loam sampling was also completed over EL 7300, with ten samples collected.

All samples were forwarded to Ashton's Perth laboratory for analysis (*see Section 2.3*).

A complete listing is provided in Appendix 1.

2.2.1 EL 7266

A total of five stream samples were taken within the relinquished areas of EL 7266.

Laboratory processing of these samples returned negative results. Sample locations are shown on Plan 1.

2.2.2 EL 7300

A total of thirty-one stream and ten loam samples were taken within the relinquished areas of EL 7300. Laboratory processing of the stream samples returned only one positive sample, containing two microdiamonds. Three loam samples reported positive, each containing one microdiamond. Sample locations are shown on Plan 2.

2.2.3 EL 7301

A total of seven stream samples were taken within the relinquished areas of EL 7301.

Laboratory processing of these samples returned six negative results and one positive, containing one microdiamond. Sample locations are shown on Plan 3.

2.3 Laboratory Procedure

All samples were processed by the Ashton Mining Limited Laboratory in Perth, where they were concentrated by Wilfley Table and heavy liquid separation techniques.

The heavy liquid used was tetrabromethane with a specific gravity of 2.96. The concentrates were then screened into various size fractions, further concentrated by magnetic and electrostatic separation techniques and a comprehensive grain by grain examination carried out on the minus 1.0mm plus 0.425mm fractions.

3.0 BASE METAL EXPLORATION

3.1 EL 7266

3.1.1 Geophysics

Airborne TEM

A combined TEM/magnetics survey (QUESTEM) was flown under contract by Aerodata during June-July 1992. A total of 57 line kilometres of data were collected over EL7266 along east-west lines spaced 1 km apart. Survey specifications are presented in Table 2. A flight line diagram and total magnetic intensity contours are shown on Figures 4 and 5 for the relinquished tenement areas. TEM profiles are presented in Appendix 2.

No TEM anomalies worthy of ground follow-up were identified on EL7266.

Aeromagnetic Survey

A small area of EL7266 was covered by the Cape Crawford aeromagnetic survey. The survey was flown under contract by Geoterrex Pty Ltd in June 1993. A total of 535 line kilometres was flown over EL7266. Lines were orientated north-south and spaced 300

metres apart. Survey specifications are listed in Table 3. A flight line diagram and magnetic contour plan are displayed in Figures 6 and 7.

3.1.2 Geochemistry

1993 Field Season

Two stream and three rock samples were collected from the northern end of EL7266 in 1993 (Fig. 8). Samples were submitted to Assaycorp Pty Ltd, Pine Creek, NT for analysis. Analytical procedures and results are given in Appendix 3.

The samples were collected during a brief helicopter supported investigation of the upper section of the Aquarium Formation (Ptq) where it outcrops just east of the Lorella Fault (Fig. 8). Open file stream sediment data show weak but moderately extensive Cu anomalism in this area. Both stream sediment samples were collected from small streams draining Ptq, returning 160 ppm Cu and 51 ppm Cu.

Outcrop of the upper section of Ptq is dominated by dolomite which is ferroan in several places. Several horizons of recessive laminated mudstone also occur. No malachite staining was observed, although a dolomite with fine disseminated pyrite was sampled. The rock samples returned low base metal values.

1994 Field Season

A total of 114 soil and 9 rock samples were collected from three areas on EL7266 in 1994 following up Open File stream sediment anomalies (Figs 8, 9 and 10). Table 4 gives

details of the sampling. Samples were submitted to Analabs Pty Ltd, Townsville, QLD for analysis. Analytical procedures and results for soil samples are given in Appendix 3. Approximately 100 grams of the -80 mesh fraction was sieved at each sample site. Analytical procedures and results for rock chip samples are given in Appendix 3.

Area 1

Analysis of Open File stream sediment data indicated weak but moderately extensive Cu anomaly just east of the Lorella Fault possibly related to the upper section of the Aquarium Formation (Ptq) that outcrops in this area.

Analytical results were disappointing with only three samples returning weakly elevated Cu soil geochemistry. Two consecutive samples over the contact between Ptq and the overlying Sly Creek Sandstone returned 167 and 164 ppm Cu.

Four rock chip samples were collected in conjunction with the soil sampling. All of these samples returned background base metal levels.

Area 2

Analysis of Open File stream sediment data indicated a small area with anomalous Cu stream sediment geochemistry. The anomalous streams drain a small graben of Mallapunyah Formation sediments occurring at a high angle to a flexure on the major Rosie Fault. In addition, a small stratabound-iron prospect occurs nearby.

The majority of samples returned background base metal levels. Two samples returned weakly elevated Cu soil geochemistry, each on a different soil line and are not considered significant.

Five rock chip samples were collected in conjunction with the soil sampling. Two samples returned weakly elevated Cu. One, a hematitic sandstone from the iron occurrence returned 159 ppm Cu, the other, a quartz vein (float) returned 160 ppm Cu. The three remaining samples returned background base metal levels.

Area 3

Analysis of Open File stream sediment data indicated anomalous Cu values from streams drain Ptq west of the Tawallah Fault. Three soil lines were completed that were orientated perpendicular to strike.

One sample from the middle of line 2 returned 220 ppm Cu that was collected over Ptq. Samples collected over Ptq generally show slightly elevated Cu in comparison to the sandstones stratigraphically above and below this unit which may explain the stream sediment geochemistry. The results from this soil grid are not considered significant.

3.2 EL 7300

3.2.1 Geophysics

Airborne TEM

In July 1992, a QUESTEM airborne electromagnetic (EM) survey was flown over the central Batten Trough. The flight-line direction was E-W and the flight-line spacing

was 1,000 m. Tie-lines were flown N-S every 20,000 m. Survey specifications are presented in Table 2. A flight line diagram and total magnetic intensity contours for the relinquished tenement areas are shown in Plates 1 and 2. TEM profiles are presented in Appendix 4.

Anomalies from the survey were chosen based on electrical characteristics, structure and host lithologies. A single anomaly, B250 was chosen for ground follow-up within the relinquished area on EL7300.

Ground TEM

A single anomaly, B250 from a QUESTEM survey flown in the Cape Crawford area by BHP in June 1992 was followed up with three TEM soundings in 1994. The anomaly location is shown in Figure 11 and survey logistics in Table 5. Sounding site coordinates are given in Table 6. Data are presented as apparent resistivity vs time curves and an apparent resistivity-depth section in Appendix 5.

B250 manifests itself as a westerly dipping, moderately conductive layer (15-16 Siemens), ranging in thickness from 250 to 330 m.

3.2.2. Geochemistry

QUESTEM anomaly B250 was initially followed up with ground TEM and is interpreted to be Mainoru Formation of the Roper Group (see Section 3.2.1). Because the Mainoru Formation outcrops immediately east of B250 it was decided to follow-up this conductor with soil sampling.

A total of 89 soil samples were collected every 100 m along four 500 m spaced lines (Fig. 11). Approximately 100 grams of the -80 mesh fraction was sieved at each sample site. Samples were submitted to Analabs Pty Ltd, Townsville, QLD for analysis. Results for soil samples are given in Appendix 6.

Analytical results for the soil sampling at B250 are not considered anomalous with peak values of 81 ppm Cu, 17 ppm Pb and 50 ppm Zn. The bedrock conductor at B250 is not considered to be related to significant base metal mineralisation.

3.3 EL 7301

3.3.1 Geophysics

Airborne TEM Survey

A combined airborne TEM/magnetics survey (QUESTEM) was flown under contract by Aerodata during June-July 1992. A total of 72 line kilometres of data were collected over EL7301 along east-west lines spaced 1 km apart. Survey specifications are presented in Table 2. A flight line diagram and total magnetic intensity contours are shown on Figures 12 and 13. TEM profiles are presented in Appendix 7.

Anomalies from the survey were chosen based on electrical characteristics, structure and host lithologies. A single anomaly, MY32 was chosen for ground follow-up on EL7301.

Airborne Magnetic/Radiometric Survey

A small area of EL7301 was covered by the Cape Crawford aeromagnetic/radiometric survey. The survey was flown under contract by Geoterrex Pty Ltd in June 1993. A total of 65 line kilometres was flown over EL7301. Lines were orientated north-south and spaced 300 metres apart. Survey specifications are listed in Table 3. A flight line diagram and magnetic contour plan are displayed in Figures 14 and 15.

Tobacco Yard TEM Soundings

A 15 site ground TEM sounding program was completed on EL7301 in July 1994. The sites were located on seven east-west lines, with a grid with a spacing of 1.6 km. Difficult access meant that a further seven planned soundings could not be completed. Site locations are presented in Figure 16, coordinates are given in Table 7, survey logistics in Table 8, and the data are displayed graphically as apparent resistivity vs time plots in Appendix 8.

A soil sampling program conducted by BHP on EL7301 in 1993 delineated an area of coincident elevated Pb and Zn over Barney Creek Formation (Pmq). Soundings were employed as a means of detecting bedrock conductors possibly related to significant base metal mineralisation in the Barney Creek Formation where this unit is covered by younger sediments in the Tobacco yard area, west of the anomalous soil geochemistry. Analysis of the soundings data indicate a moderately conductive layer immediately under the Limmen Sandstone (Pri) along the western edge of the grid. Typical conductances are 4 to 5 Siemens with apparent resistivities of 35 to 46 ohm.m at depths of 80 to 100m.

This conductive layer is interpreted to be Mantungula Formation (Pm), the basal unit of the Roper Group. Soundings over Pmq and Reward Dolomite (Pmx) indicate both units are extremely resistive.

3.3.2. Geochemistry

Analytical procedures and results are given in Appendix 9.

1992 Field Season

A total of 45 stream sediment samples was collected on EL7301 in 1992 as part of a helicopter supported regional survey. Samples were submitted to Assaycorp Pty Ltd, Pine Creek, NT for analysis. Sample locations are shown on Figure 17.

Two size fractions were sieved in the field (-80 mesh and +20 mesh -2 mm) and approximately 150 grams of each fraction was collected. The -80 mesh fraction was further sieved to -150 mesh in the laboratory and then analysed. Sample spacing was approximately one sample every 1 to 2 square km and varied due to drainage density.

Thresholds of 40 ppm Cu, 45 ppm Pb and 30 ppm Zn were calculated for the regional survey. Peak values for the samples collected on EL7301 are 24 ppm Cu, 84 ppm Pb, and 34 ppm Zn, all of which are non-coincident.

1993 Field Season

Totals of 147 soil and 5 rock samples were collected from EL7301 in 1993. Samples were submitted to Assaycorp Pty Ltd, Pine Creek, NT for analysis.

A soil sampling program was conducted over part of EL7301 after analysis of Open File stream sediment data indicated an area with elevated Pb and Cu. A soil grid of eight 1 km spaced east-west orientated soil lines was completed to cover the anomalous catchments that drain a gently westward dipping sedimentary sequence (some minor faulting) of Pmq and Pmx. A 100-150 gram sample of the -80 mesh size fraction was collected every 100 m along each line where the soil was clearly residual. A total of 16 line km was completed. Sample locations are presented in Figure 18.

The survey results were assessed in conjunction with a soil grid on a neighbouring BHP tenement (EL7947) covering rocks along strike from the same stratigraphic units. The analytical results have been divided into three groups based on the underlying geology; dolomites, siltstones and sandstones. Threshold values for Cu, Pb, Zn for dolomites and siltstones (Table 9) have been determined by visual inspection of histograms and Q-Q plots. Base metal tenor of the sandstones was low in all cases.

Peak base metal values for the survey are 176 ppm Cu, 122 ppm Zn and 255 ppm Pb. Soils over Pmq have coincident anomalous Pb and Zn (typical values 130-186ppm Pb, 70-138 ppm Zn) including a 300 m wide anomalous zone on Line 3. Soils over Pmx are anomalous in Pb and weakly anomalous in Zn across four lines. Typical values are 75-255 ppm Pb and 65-122 ppm Zn. Line 7 has consecutive samples with 112, 95, 223, 172 and 304 ppm Pb. Cu anomalism is essentially restricted to Pmx in the northwest corner of the grid.

Three rock samples were collected during a geological traverse which was completed across a small outcrop of Balbirini Dolomite (Pnz) with associated elevated Pb stream sediment geochemistry. The dolomite lies in the core of a small anticline some 3 km northwest of the Eastern Creek Pb, Ba Prospect which is also hosted by Pnz.(Fig. 19)

No mineralisation was noted along the traverse. The dolomites are generally highly siliceous, and in places iron-rich and manganiferous. All three rock samples returned elevated Cu and Zn (max 610 ppm Cu, 1360 ppm Zn), and high Fe and Mn. Pb was low and Ag below detection (0.5 ppm) in all cases.

Two rock samples of siliceous dololutite were collected in conjunction with the soil sampling program on EL7301 in an area of barite veining (Fig. 18). No significant base metal values were returned.

1994 Field Season

A total of 27 soil samples was collected along a single traverse across QUESTEM anomaly MY32. Sample locations are plotted on Figure 19. The samples were submitted to Analabs Pty Ltd, Townsville, QLD for analysis. Approximately 100 grams of the -80 mesh fraction was sieved at each sample site.

QUESTEM anomaly MY32 is a shallow anomaly hosted by moderately dipping Roper Group stratigraphy where the conductive horizon could reasonably be expected to outcrop or subcrop.

Analytical results are not considered anomalous with peak values of only 29 ppm Cu, 10 ppm Pb and 25 ppm Zn. While the exact cause of this anomaly remains unknown, it is not considered to be related to significant base metal mineralisation and no ground TEM is required.

3.3 *Percussion Drilling*

A soil sampling program conducted by BHP on EL 7301 in 1993 indicated soils with coincident elevated Pb and Zn over Pmq. TEM soundings immediately west of this anomaly did not identify bedrock conductors possibly caused by base metal mineralisation (see Section 3.3.1).

Two RC percussion holes (BDP001, BDP002) were drilled west of the soil anomaly on EL7301 to obtain stratigraphic and geochemical information for Pmq. Drilling meterage totalled 192 m. Drilling was contracted to Gaden Drilling, Batchelor, NT. A Warman UDR650 drill rig was used for both holes. Drill logs are presented in Appendix 10, and graphic summary logs in Figure 20. Six metre, composite drill chip samples were submitted to Analabs, Townsville, QLD for routine analysis. Selected two metre composite drill chip samples were submitted for whole rock analysis. Analytical procedures and assays are presented in Appendix 9.

BDP001

BDP001 was collared at 545806mE, 8227790mN and drilled to a final depth of 84 m.

The hole intersected black, laminated carbonaceous dolomitic siltstone from 1 to 46 m, interpreted as Pmq. A pink, silicified dololutite with hematitic mottling, interpreted as Teena Dolomite (Pmp) was intersected from 46 to 84 m.

One sample of black, laminated carbonaceous dolomitic siltstone from 36 to 42 m returned weakly elevated Pb and Zn, 605 ppm and 530 ppm respectively. This 6 m interval was resampled every 2 m and the interval 38 to 40 m returned 1490 ppm Pb, 1070 ppm Zn and 1.4 ppm Ag. There were no other anomalous samples.

BDP002

BDP002 was collared at 542800mE, 8227960mN and drilled to a final depth of 108 m.

The hole intersected Pmx, a weathered laminated dololutite from 0 to 6 m. Black and grey, laminated, variably carbonaceous dolomitic siltstones were intersected from 6 to 102 m, interpreted to be Pmq. Pink, silicified dololutites were intersected from 102 to 108 m which are interpreted as Pmp.

Several samples from BDP002 returned patchy weakly elevated Pb or Zn. One sample of black, laminated carbonaceous dolomitic siltstone from 90 to 96 m returned 199 ppm Pb and 211 ppm Zn. This interval was resampled every 2 m and the interval 94 to 96 m returned 840 ppm Pb, 610 ppm Zn and 0.6 ppm Ag. There were no other anomalous samples.

Both drill holes intersected anomalous Pb and Zn in Pmq six metres above the contact with Pmp. This weakly mineralised interval sufficiently explains the anomalous soil geochemistry over basal Pmq further to the east but is not considered worthy of further follow-up.

4.0 EXPLORATION EXPENDITURE

Exploration expenditure for work undertaken in ELs 7266, 7300 and 7301 amounted to \$ 259,710. A detailed breakdown of expenditure is given in Appendix 11.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 Diamond Exploration

Despite the recovery of diamonds from five samples, results were considered to be generally poor. No diamonds or indicator minerals were found in any of the other forty-eight samples, taken in the relinquished areas of ELs 7266, 7300 and 7301. As further work was not warranted in these areas, partial relinquishment was recommended.

5.2 Base Metal Exploration

EL 7266

Analysis of the Open File data highlighted three small areas with elevated Cu in the stream sediments on EL7266. Follow-up with soil sampling grids returned several isolated samples with elevated Cu. These results are not considered significant and no further work is recommended.

EL 7300

No geophysical or geochemical anomalies worthy of further work have been identified within the relinquished tenement portions of EL7300.

EL 7301

Soil sampling over QUESTEM anomaly MY32 did not return any anomalous values. MY32 is not considered to be related to significant base metal mineralisation.

A TEM soundings program at Tobacco Yard to follow-up a Pb-Zn soil anomaly over Pmq delineated in 1993 failed to identify bedrock conductors possibly related to base metal mineralisation in Pmq. The soundings identified a regionally conductive horizon below Pri that is interpreted to be Prn.

Two RC percussion holes drilled on EL7301 to follow-up a Pb-Zn soil anomaly over Pmq delineated in 1993 intersected anomalous Pb and Zn in Pmq 6 m above the contact with Pmp. This weakly mineralised interval sufficiently explains the anomalous soil geochemistry but is not considered worthy of further follow-up.

TABLE 2.
QUESTEM SURVEY SPECIFICATIONS

Aircraft	-	Britten Norman Trislander							
Data acquisition	-	11 Channel RMS GR33A Chart Recorder							
	-	PICODAS Digital Acquisition System							
Traverse line spacing	-	1,000 metres							
direction	-	090-270 degrees							
Tie line spacing	-	20,000 metres							
direction	-	000-180 degrees							
Mean terrain clearance	-	123 metres							
Navigation	-	GPS satellite positioning							
Magnetometer	-	Split Beam Cesium Scintrex V201							
Resolution	-	0.1 nT							
Cycle rate	-	0.5 second							
Sample interval	-	25 metres							
Electromagnetic System	-	QUESTEM Time Domain EM							
Transmitter Base Frequency/ Pulse Width	-	75Hz/2 msec							
Receiver	-	Horizontal axis coil in towed bird							
Cycle rate	-	0.25 second							
Sample interval	-	12.5 metres							
Window mean delay times (msec) -									
em1	0.2467	em2	0.3509	em3	0.4550	em4	0.5592	em5	0.7154
em6	0.9238	em7	1.1312	em8	1.3925	em9	1.6009	em10	1.8613
em11	2.1738	em12	2.6425	em13	3.1634	em14	3.6842	em15	4.2050

TABLE 3.

AIRBORNE MAGNETIC/RADIOMETRIC SPECIFICATIONS

Aircraft	-	Rockwell Shrike Aerocommander 500 S
Magnetometer	-	Scintrex Cesium vapour optical adsorption
Resolution	-	0.01 nT
Cycle Rate	-	0.1 seconds
Sample Interval	-	7 metres
Spectrometer	-	Nuclear Data ADC 560 system
Volume	-	33.5 litres
Cycle Rate	-	1.0 seconds
Sample Interval	-	70 metres
Data Acquisition	-	11 channel RMS GR33A Chart Recorder
	-	MACDAS Digital Acquisition System
Traverse	line spacing	- 300 metres
	direction	- 000 - 180 degrees
Tie	line spacing	- 5,000 metres
	direction	- 090 - 270 degrees
Mean Terrain Clearance	-	80 metres
Navigation	-	GPS satellite positioning

TABLE 4.
SOIL SAMPLING DETAILS

SAMPLE AREA	NO. SAMPLES	NO. LINES	LINE SPACING (m)	SAMPLE SPACING	MAX. Cu ppm	MAX. Pb ppm	MAX. Zn ppm
Area 1	39	3	1000	100	181	23	14
Area 2	41	3	500	100	309	8	25
Area 3	34	3	500	100	222	14	41

TABLE 5.

TEM SOUNDINGS SURVEY LOGISTICS

EL	-	7300, B250
Contractor	-	GEOTERREX PTY LTD
Instrument	-	PROTEM receiver. TEM-37 transmitter
Loop Size/Configuration	-	200 x 200 m / square
Base Frequency	-	25, 2.5 Hz
Receiver Spacing/Components	-	200 m/Z only
Date	-	July 1994
Duration	-	1 days production
Coverage	-	3 loops
		Both in- and out-of-loop readings

TABLE 6.
TEM SOUNDINGS LOCATIONS

SOUNDING SITE	EASTING	NORTHING
B250 - 100012	544730	8159800
B250 - 106012	545330	8159800
B250 - 112012	545930	8159800

TABLE 7.
TEM SOUNDINGS LOCATIONS

SOUNDING SITE	EASTING	NORTHING
T104/373	537350	8235600
T106/370	537050	8234000
T108/367	536700	8232450
T108/377	537750	8232100
T108/431	543150	8231000
T108/445	544500	8230800
T110/390	539050	8230200
T110/427	542750	8229500
T112/423	542350	8228250
T112/438	543800	8227700
T114/401	540150	8226800
T114/417	541750	8226550
T114/433	543350	8226200
T116/415	541550	8224950
T116/436	543650	8224900

TABLE 8.

TEM SOUNDINGS SURVEY LOGISTICS

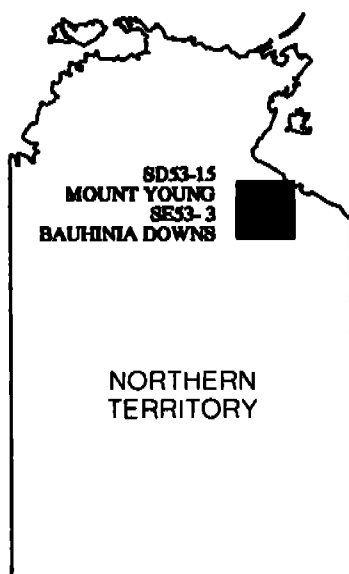
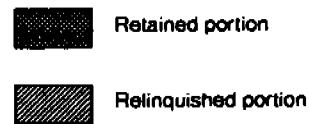
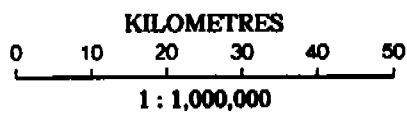
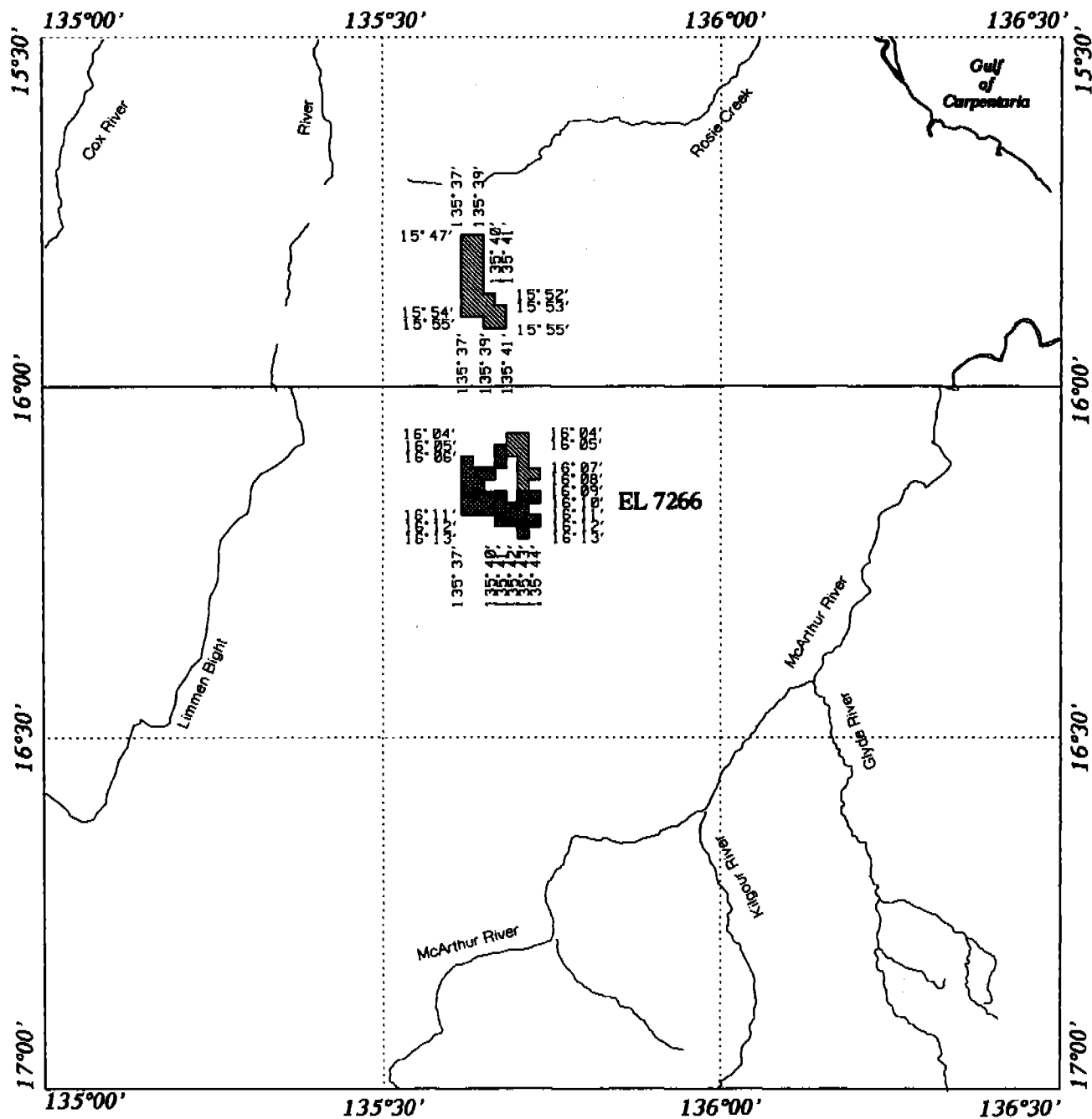
EL	-	7301
Contractor	-	GEOTERREX PTY LTD
Instrument	-	PROTEM receiver. TEM-37 transmitter
Loop Size/Configuration	-	300 x 300 m / diamond
Base Frequency	-	25, 6.25 Hz
Receiver Spacing/Components	-	300 m/Z only
Date	-	July 1994
Duration	-	5 days production, 1 day standby
Coverage	-	15 loops
		Both in- and out-of-loop readings

TABLE 9.

LIMMEN BIGHT RIVER SOIL SAMPLE THRESHOLDS

LITHOLOGY	Cu Threshold	Peak Value	Pb Threshold	Peak Value	Zn Threshold	Peak Value
Dolomites	55	176	70	353	65	119
Siltstones	25	36	100	255	50	61
Sandstones	-	-	-	-	-	-

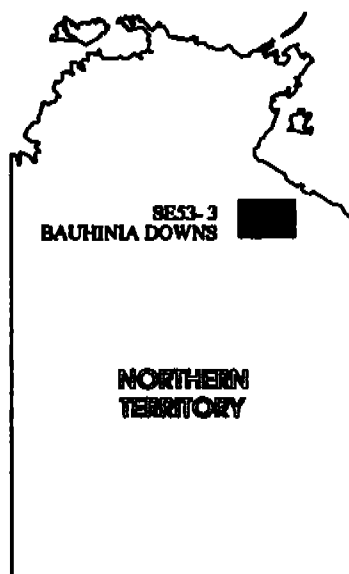
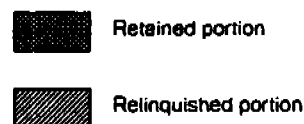
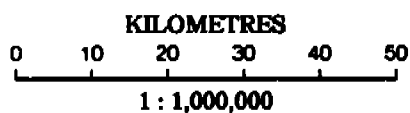
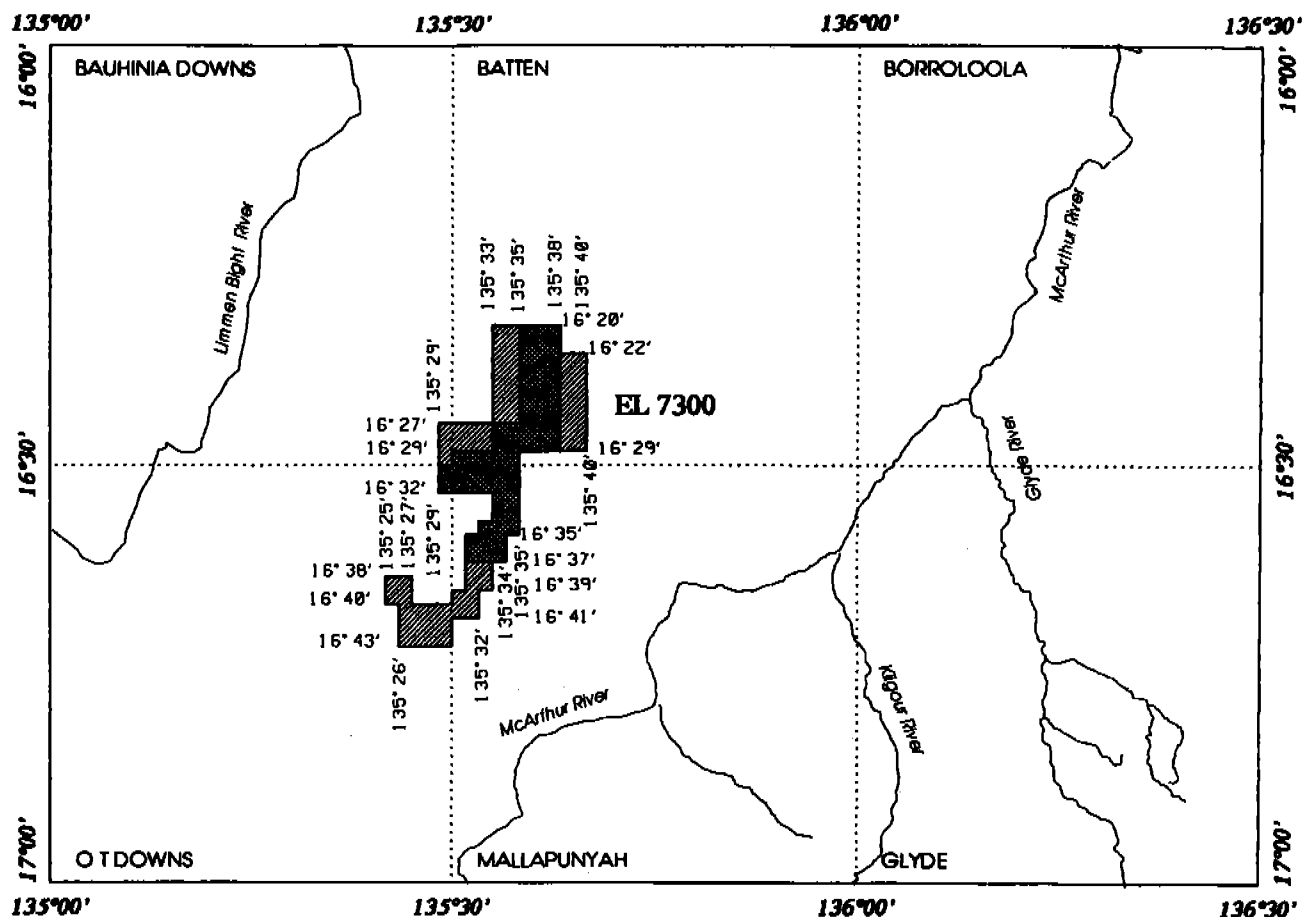
* All values are in ppm.



**ASHTON MINING LIMITED
A.D.E. JOINT VENTURE**

**FIGURE 1
EXPLORATION LICENCE 7266
LOCATION MAP
PARTIAL RELINQUISHMENT**

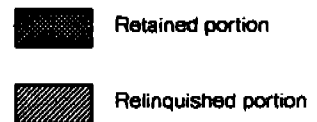
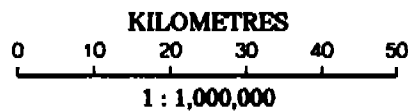
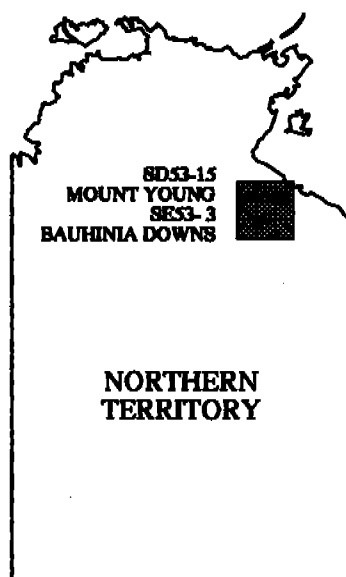
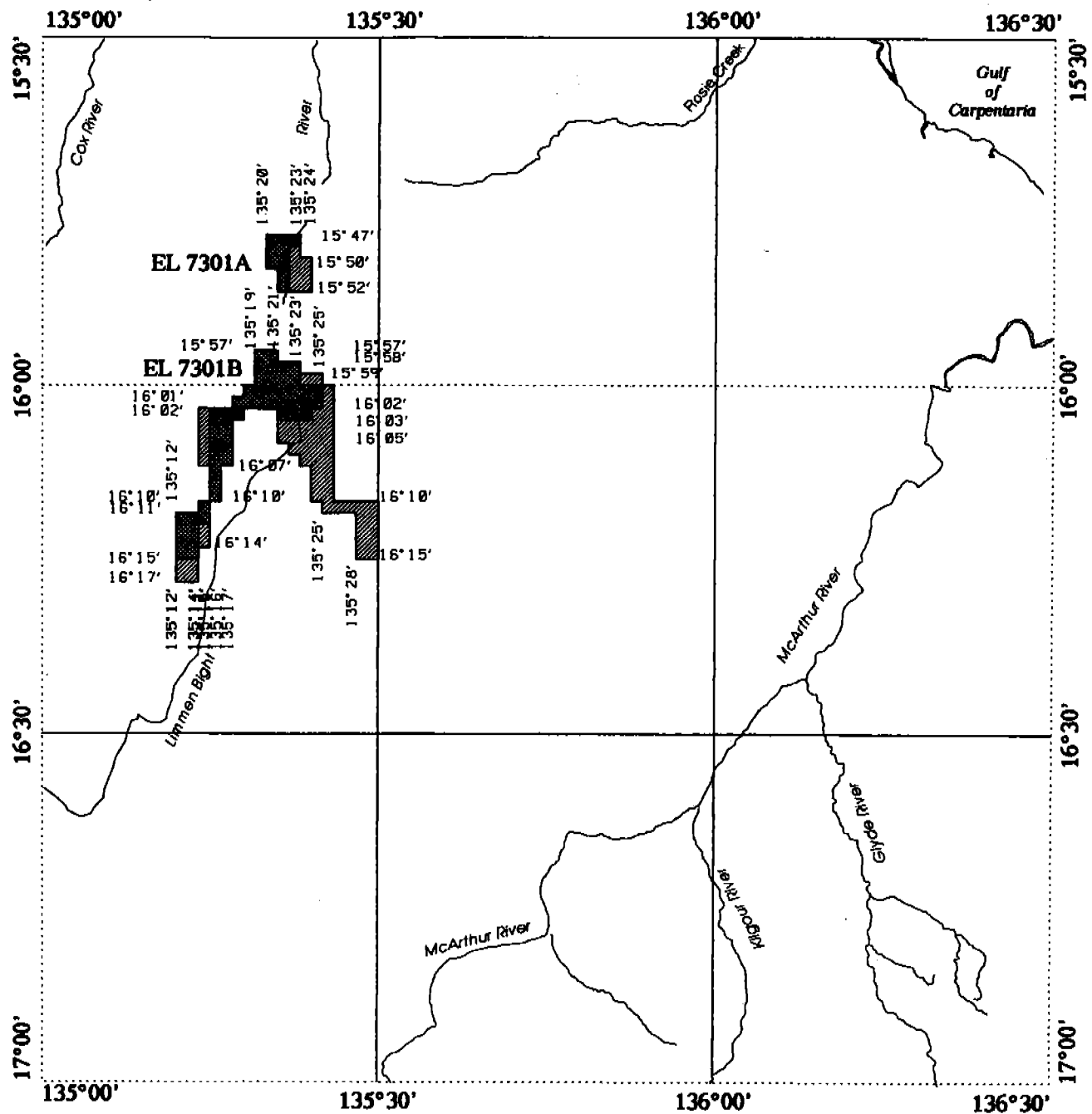
AUGUST, 1995



**ASHTON MINING LIMITED
A.D.E. JOINT VENTURE**

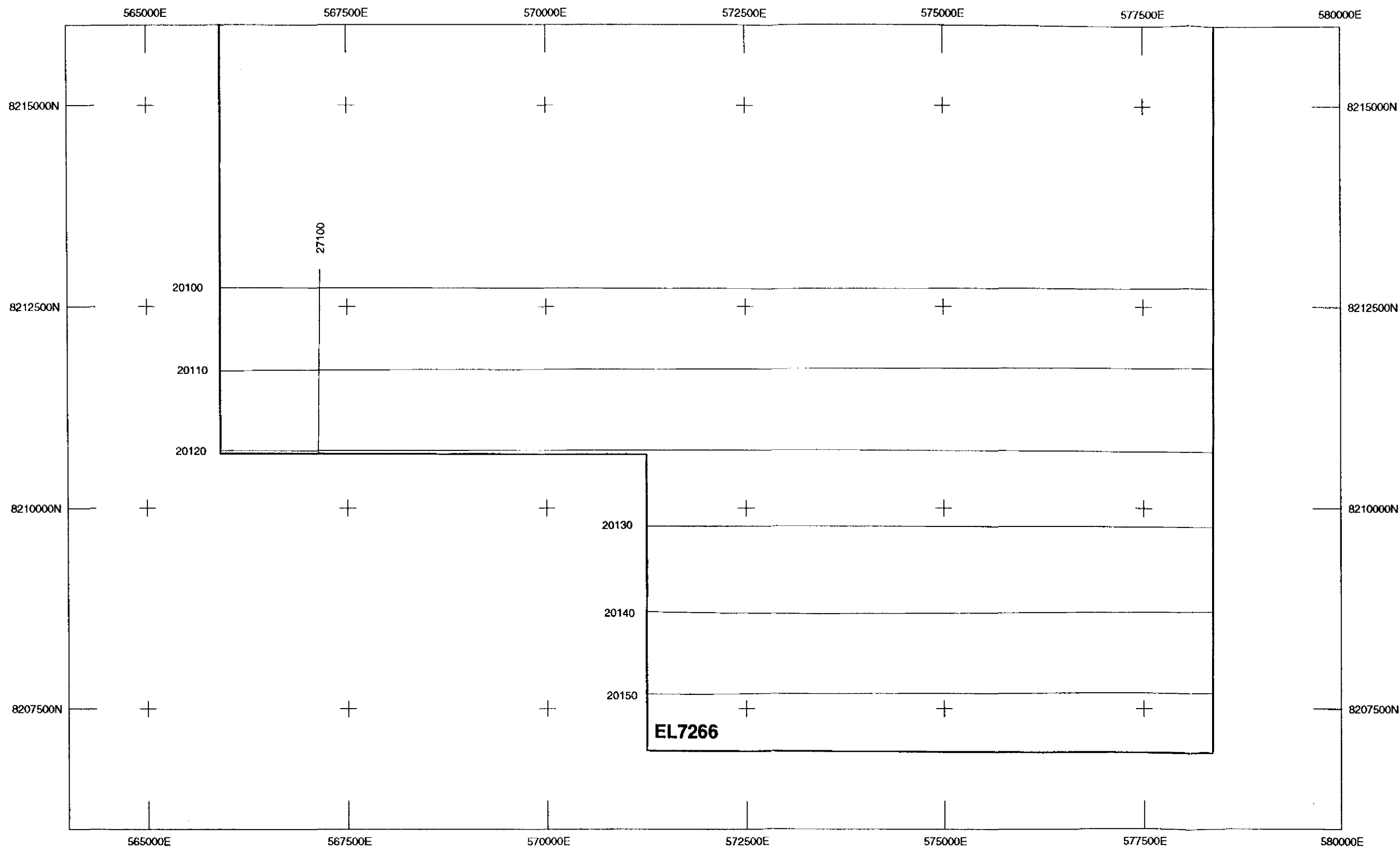
**EXPLORATION LICENCE 7300
FIGURE 2.
PARTIAL RELINQUISHMENT
LOCATION MAP**

AUGUST, 1995



ASHTON MINING LIMITED
A.D.E. JOINT VENTURE
FIGURE 3.
EXPLORATION LICENCE 7301
LOCATION MAP
PARTIAL RELINQUISHMENT

AUGUST, 1995



AIRBORNE SURVEY SPECIFICATIONS

Contractor	Aerodata
Magnetometer	Split Beam Cesium Scintrex V201
Magnetometer Sample Interval	0.5 seconds (approx 25 metres)
Flight Path Recovery	GPS
Flight Line Direction	90 degrees
Flight Line Spacing	1000 metres
Flying Height	123 metres
Total line kms of survey	5755 km
Survey flown	July 1992



Exploration - BHP Minerals
BHP Minerals Pty. Ltd., A.C.N. 008 694 782

McARTHUR RIVER JV
EL7266 LITTLE ROSIE CREEK, N.T.
QUESTEM SURVEY
FLIGHT LINES

Prepared : M.Rennison

Date : 15-8-95

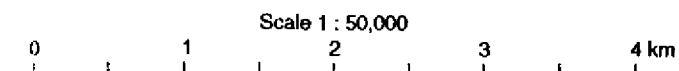
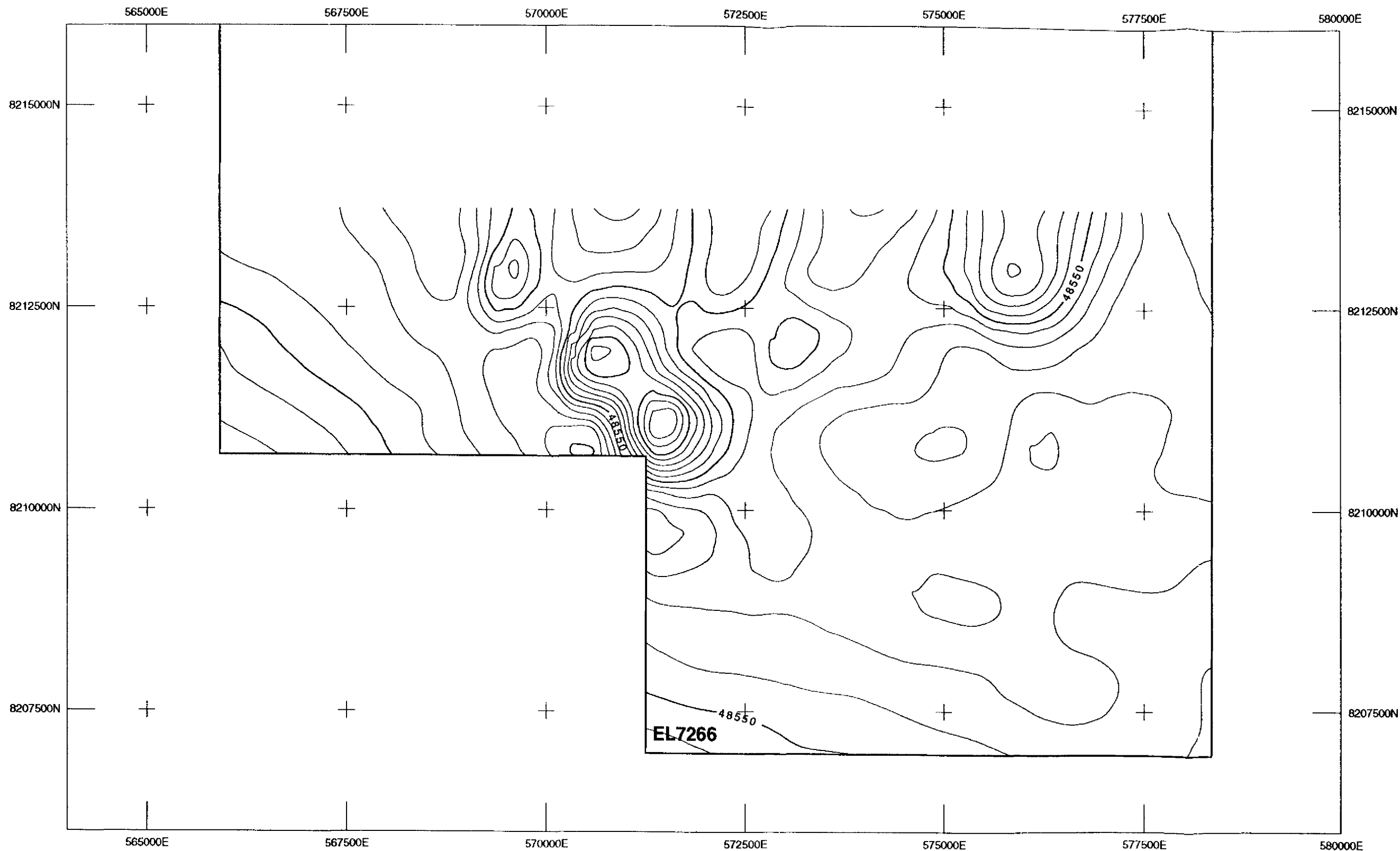
Drawn : A.R.Veale

Revised:

Centre : Perth

Org. No.: A3-3975

Figure 4



AIRBORNE SURVEY SPECIFICATIONS

Contractor	Aerodata
Magnetometer	Split Beam Cesium Scintrex V201
Magnetometer Sample Interval	0.5 seconds (approx 25 metres)
Flight Path Recovery	GPS
Flight Line Direction	90 degrees
Flight Line Spacing	1000 metres
Flying Height	123 metres
Total line kms of survey	5755 km
Survey flown	July 1992



Exploration - BHP Minerals
BHP Minerals Pty. Ltd., A.C.N. 008 684 782

McARTHUR RIVER JV EL7266 LITTLE ROSIE CREEK, N.T. QUESTEM SURVEY AEROMAGNETIC CONTOURS

Prepared : M. RENNISON

Date : 15-8-95

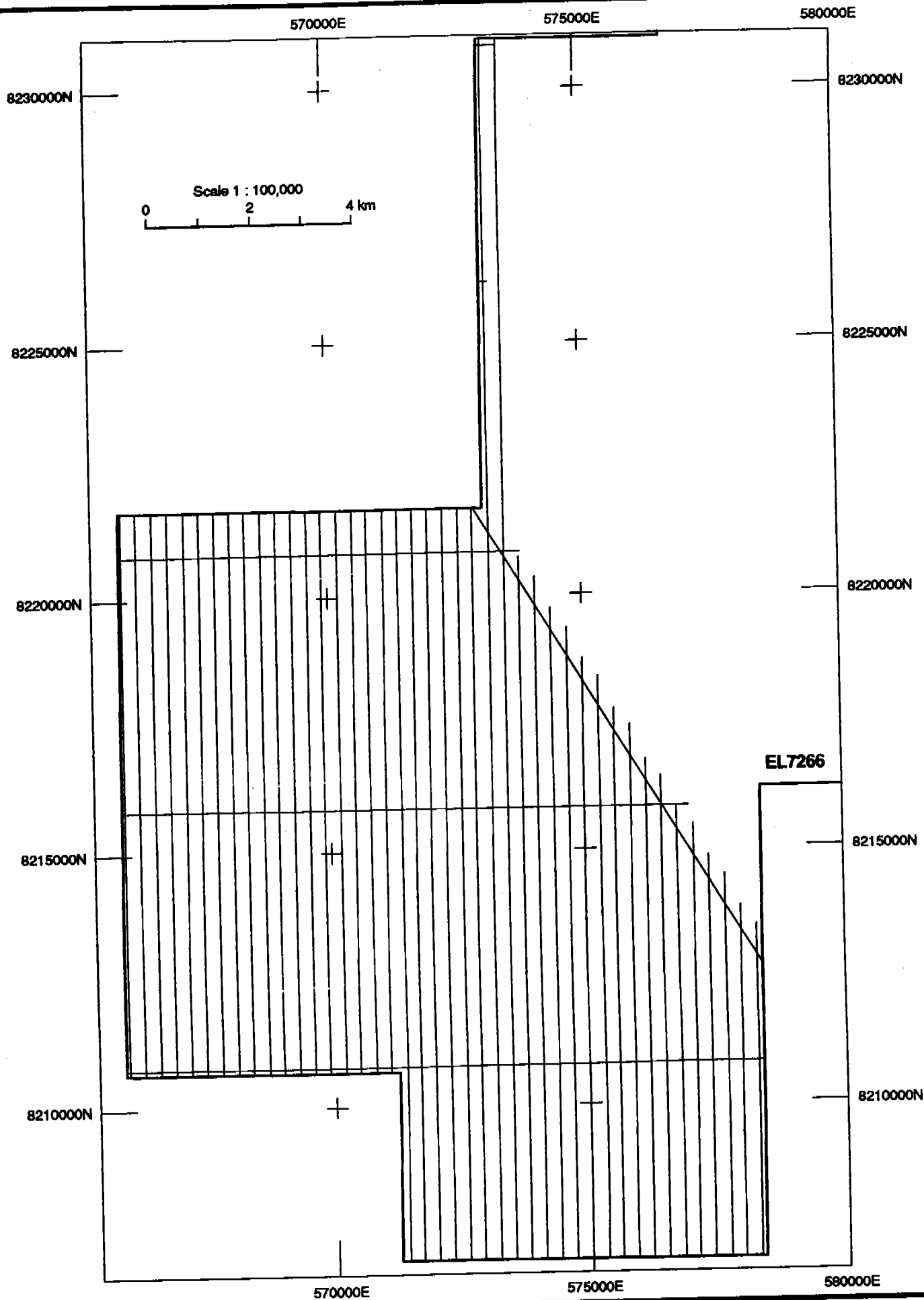
Drawn : A.R. VEALE

Revised:

Centre : Perth

Org. No.: A3-3976

Figure 5



Prepared : M.Rennison

Drawn : A.R.Veale

Date : 15-8-95

Revised :



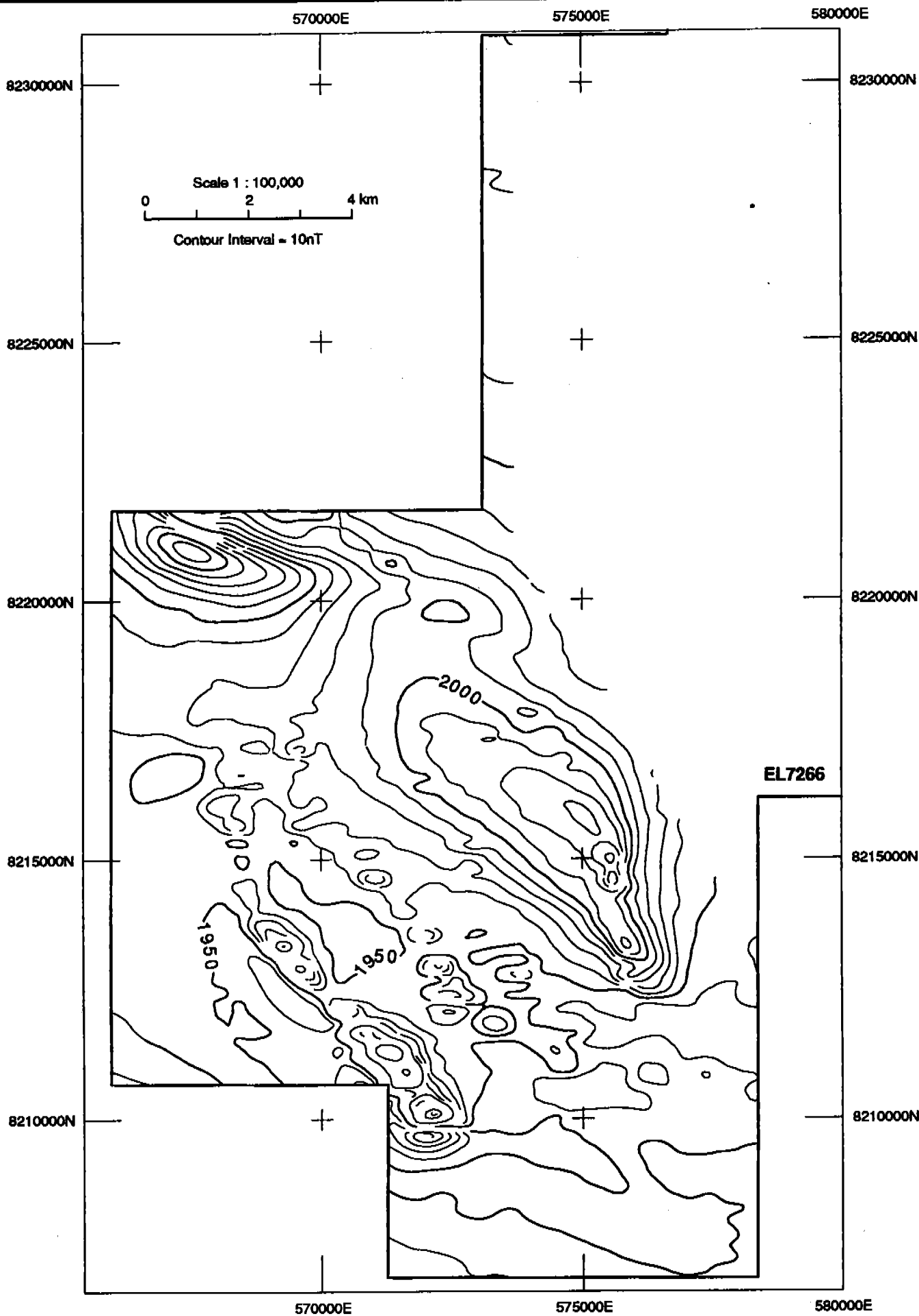
**McARTHUR RIVER JV
EL7266 LITTLE ROSIE CREEK, N.T.
AEROMAGNETIC SURVEY
FLIGHT LINES**

Exploration - BHP Minerals
BHP Minerals Pty. Ltd., A.C.N. 009 664 702

Centre : Perth

Drg. No. : A4-5740

Figure 6



Prepared : M.Rennison

Drawn : A.R.Veale

Date : 15-8-95

Revised :



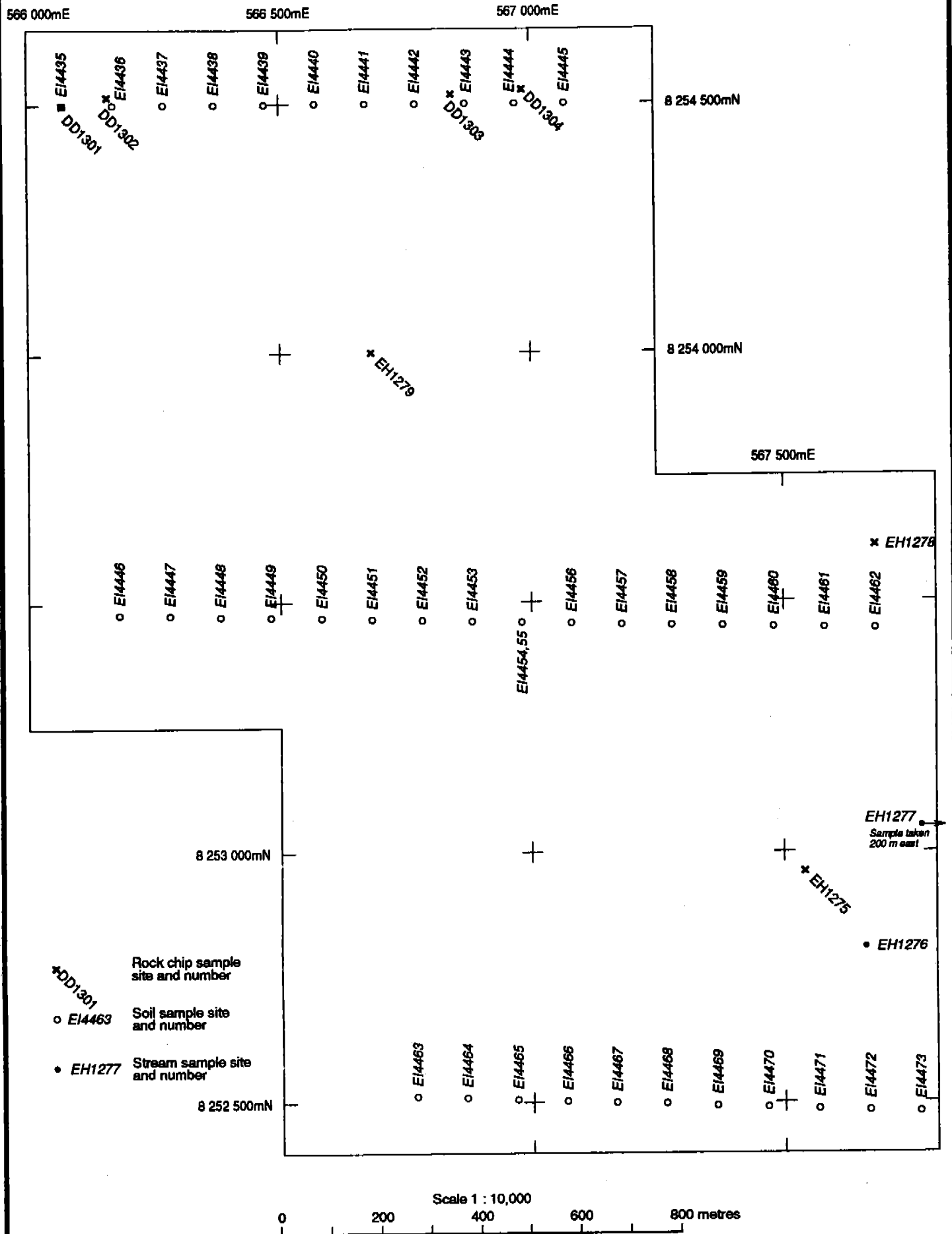
**McARTHUR RIVER JV
EL7266 LITTLE ROSIE CREEK, N.T.
AEROMAGNETIC SURVEY
CONTOURS**

Exploration - BHP Minerals
BHP Minerals Pty. Ltd., A.C.N. 008 664 782

Centre : Perth

Drg. No. : A4-5741

Figure 7



Prepared : M.Rennison

Drawn : A.R.Veale

Date : 16-6-95

Revised : 15-8-95



McARTHUR RIVER JV
EL7266 LITTLE ROSIE CREEK, N.T.

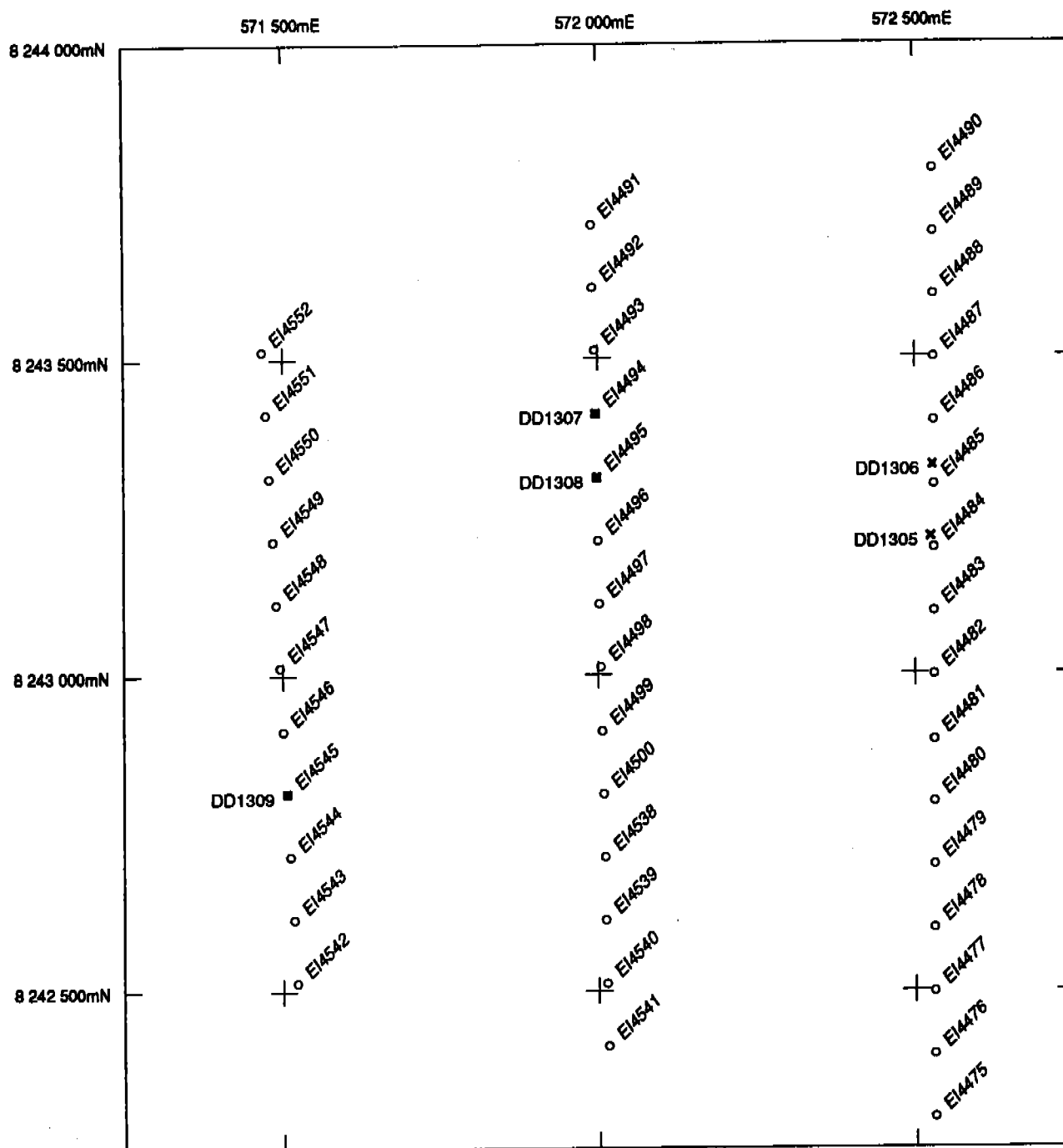
LOCATION OF STREAM, SOIL AND ROCK CHIP SAMPLE SITES

Exploration - BHP Minerals
BHP Minerals Pty. Ltd., A.C.N. 008 884 782

Centre : Perth

Drg. No. : A4-5719

Figure 8



○ EI4545 Soil sample site and number
 DD1309 × Rock chip sample site and number

Scale 1 : 10,000
 0 200 400 600 800 metres

Prepared : M.Rennison

Drawn : A.R.Veale

Date : 16-6-95

Revised :



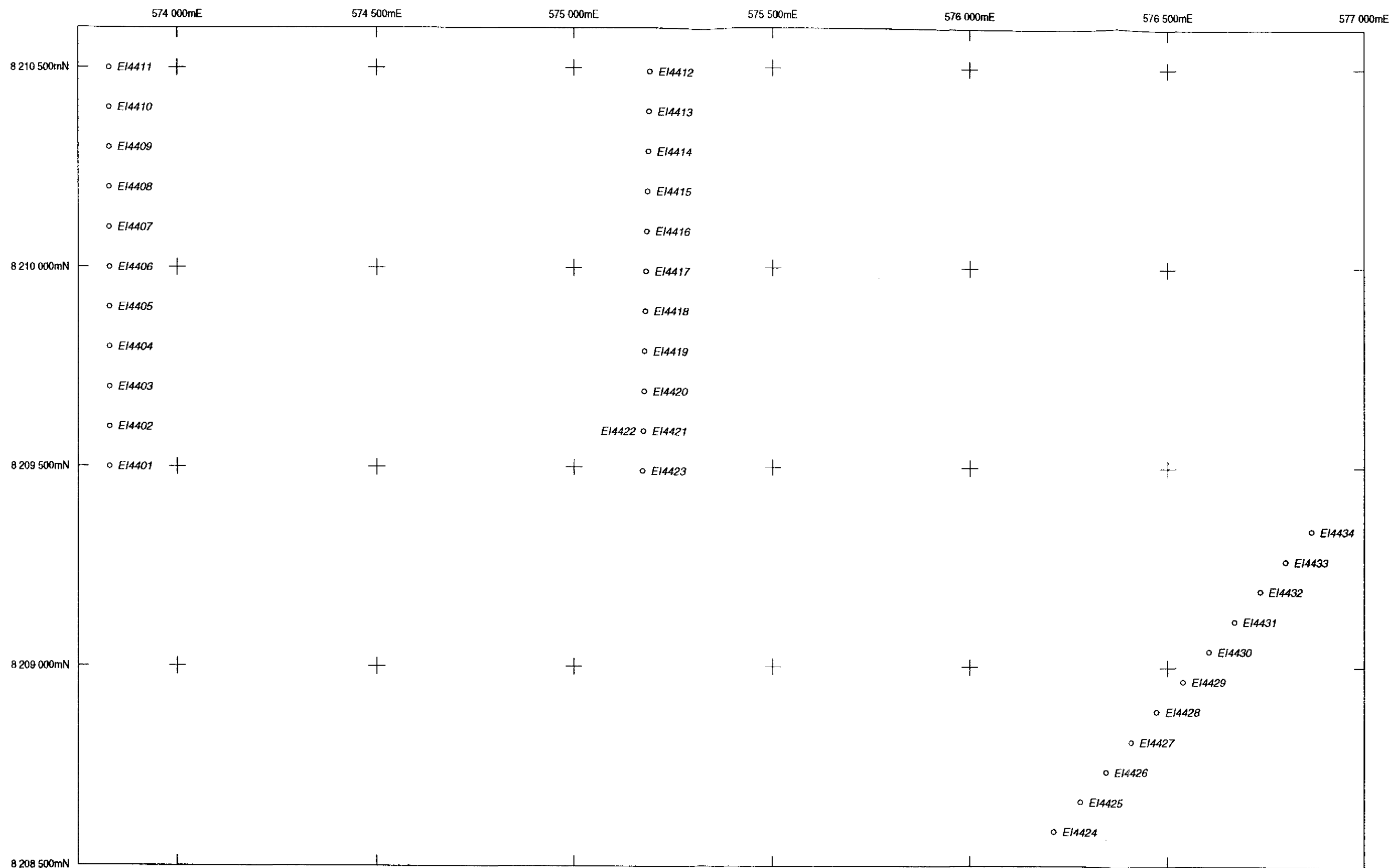
McARTHUR RIVER JV
EL7266 LITTLE ROSIE CREEK, N.T.
LOCATION OF SOIL AND ROCK CHIP
SAMPLE SITES - AREA 2

Exploration - BHP Minerals
 BHP Minerals Pty. Ltd., A.C.N. 009 884 782

Centre : Perth

Drg. No. : A4-5720

Figure 9



○ EI4552

Soil sample location and number

Scale 1 : 10,000
0 200 400 600 800 metres



Exploration - BHP Minerals
BHP Minerals Pty. Ltd., A.C.N. 008 664 782

**McARTHUR RIVER JV
EL7266 LITTLE ROSIE CREEK, N.T.
LOCATION OF SOIL SAMPLE SITES
AREA 3**

Prepared : M.Rennison

Date : 16-6-95

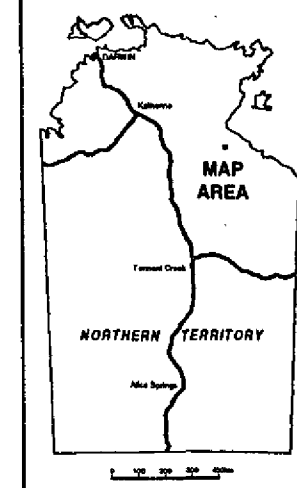
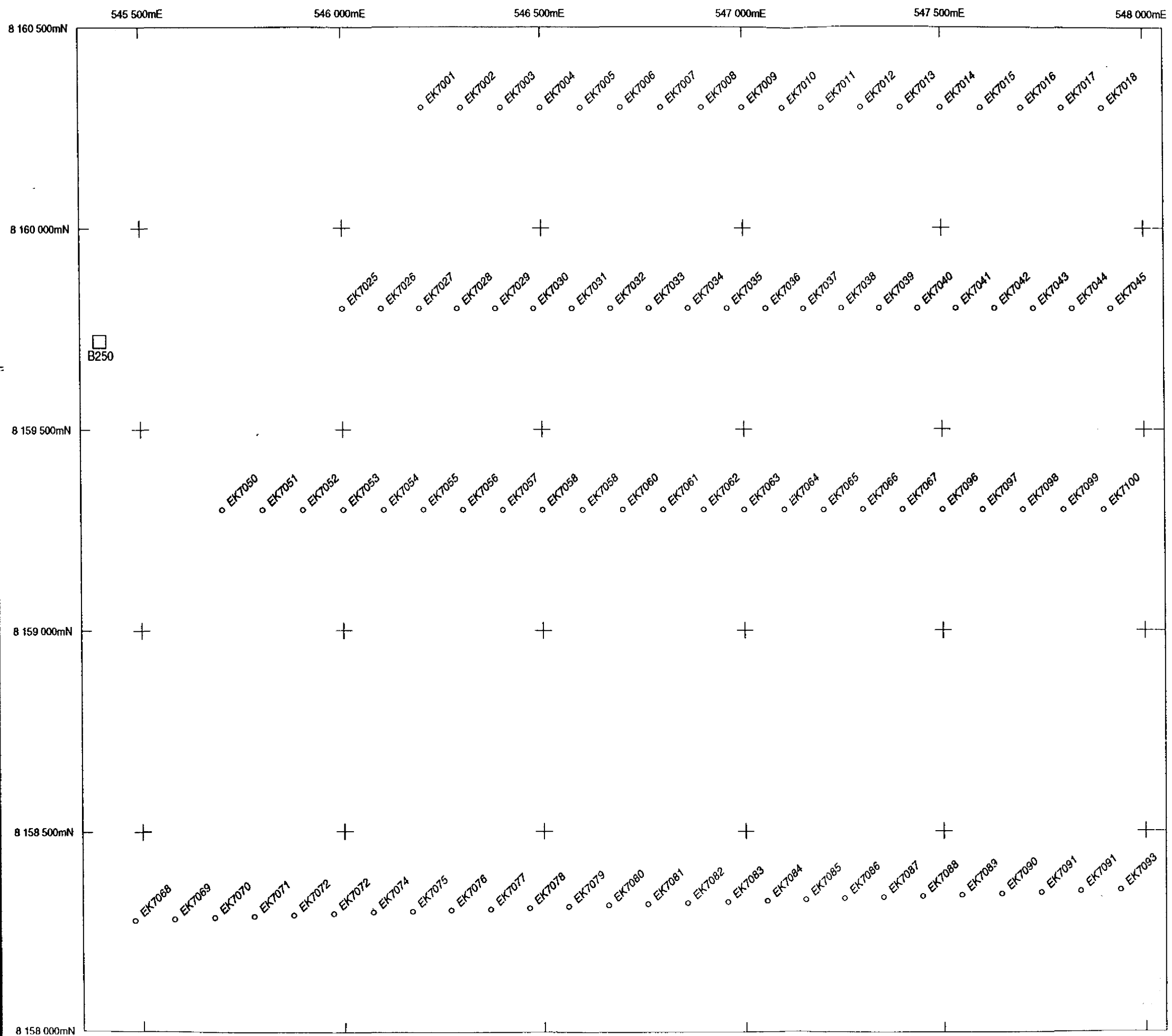
Drawn : A.R.Veale

Revised:

Centre : Perth

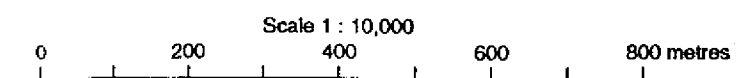
Drg. No.: A3-3965

Figure 10

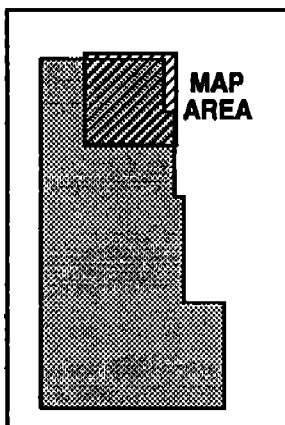
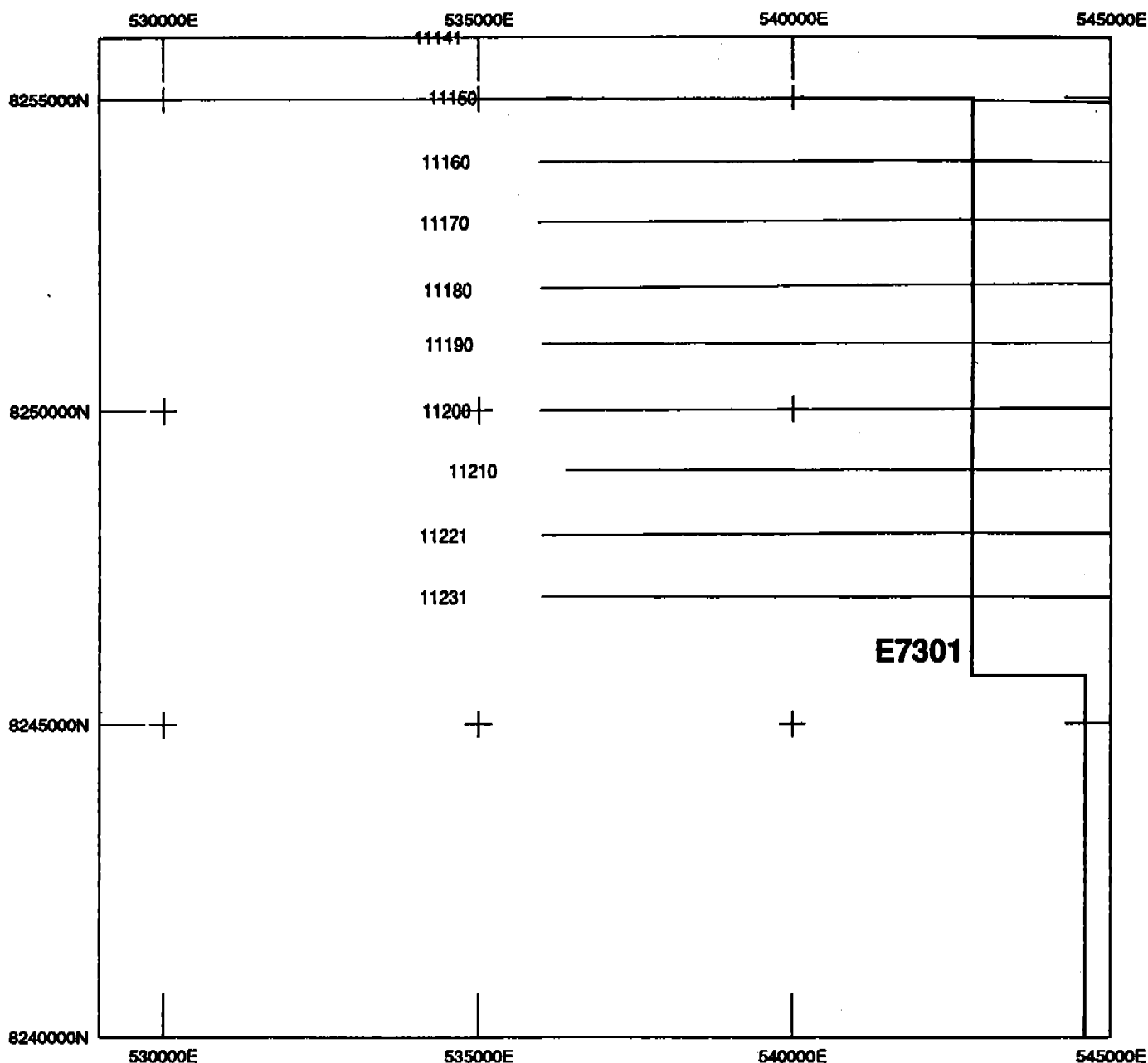


○ EL4552
Soil sample location and number

□ B250
QUESTEM anomaly



 BHP		Exploration - BHP Minerals BHP Minerals Pty. Ltd., A.C.N. 008 894 782	
McARTHUR RIVER JV EL 7300 THREE KNOBS, N.T. LOCATION OF SOIL SAMPLE SITES AND QUESTEM ANOMALY B250			
Prepared : M.Rennison	Date : 16-6-95	Figure 11	
Drawn : A.R.Veale	Revised:		
Centre : Perth	Drq. No.: A3-3967		



AIRBORNE SURVEY SPECIFICATIONS

Contractor	Aerodata
Magnetometer	Split Beam Cesium Scintrex V201
Magnetometer Sample Interval	0.5 seconds (approx 25 metres)
Flight Path Recovery	GPS
Flight Line Direction	90 degrees
Flight Line Spacing	1000 metres
Flying Height	123 metres
Total line kms of survey	5065 km
Survey flown	July 1992

Scale 1 : 100,000



Prepared : M.Rennison

Drawn : A.R.Veale

Date : 16-8-95

Revised :



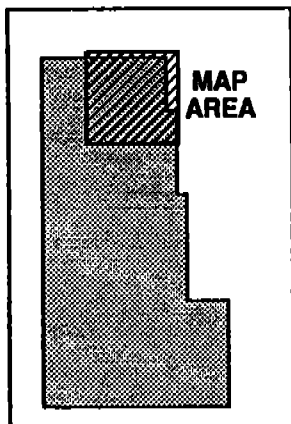
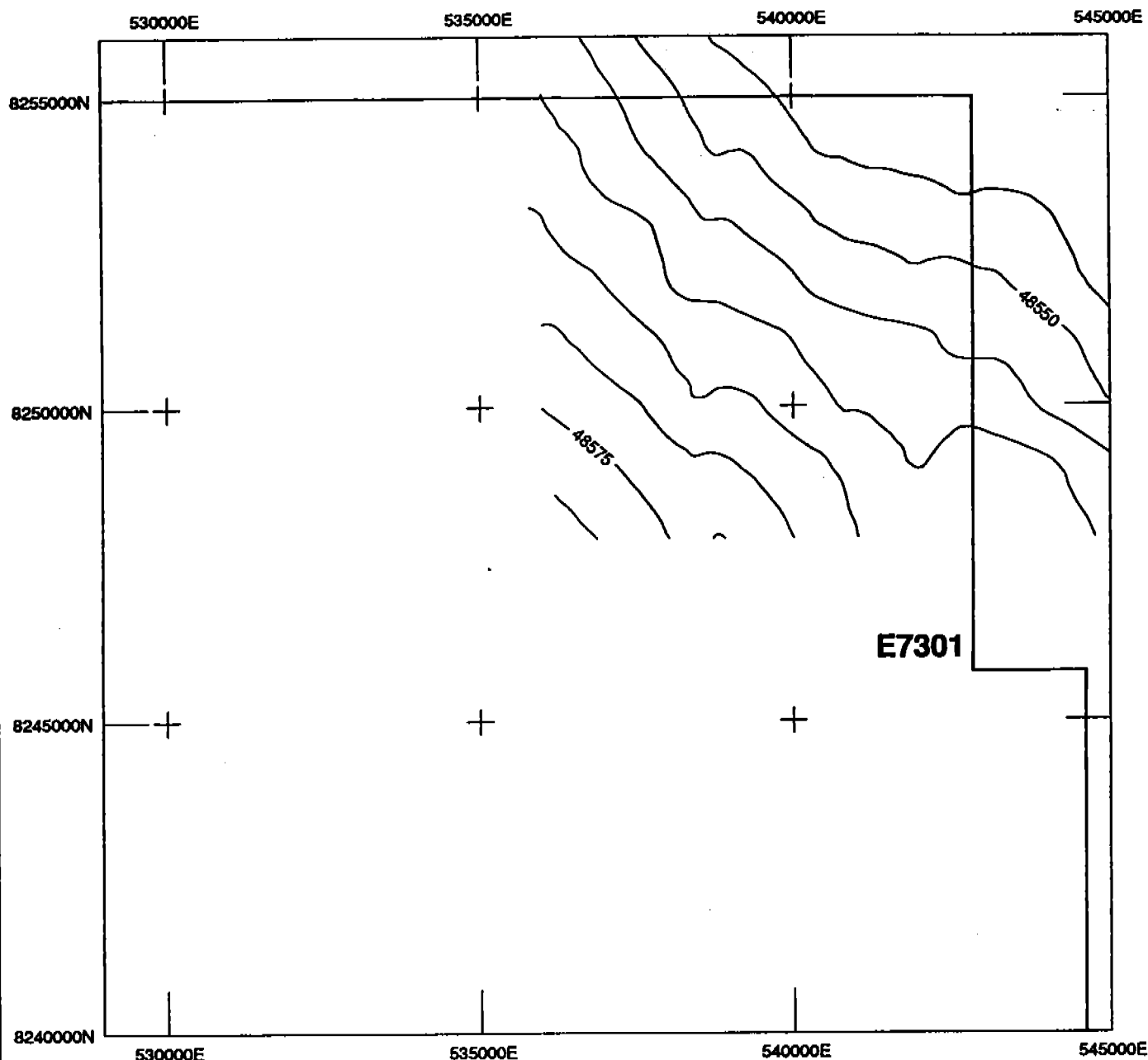
Exploration - BHP Minerals
BHP Minerals Pty. Ltd., A.C.N. 008 684 782

McARTHUR RIVER JOINT VENTURE
BAUHINIA DOWNS PROJECT
E7301 LIMMEN BIGHT RIVER
QUESTEM SURVEY - FLIGHT LINES

Centre : Perth

Drg. No. : A4-5743

Figure 12



AIRBORNE SURVEY SPECIFICATIONS

Contractor	Aerodata
Magnetometer	Split Beam Cesium Scintrex V201
Magnetometer Sample Interval	0.5 seconds (approx 25 metres)
Flight Path Recovery	GPS
Flight Line Direction	90 degrees
Flight Line Spacing	1000 metres
Flying Height	123 metres
Total line kms of survey	5065 km
Survey flown	July 1992

Scale 1 : 100,000



Prepared : M.Rennison

Drawn : A.R.Veale

Date : 16-8-95

Revised :



Exploration - BHP Minerals
BHP Minerals Pty. Ltd., A.C.N. 000 694 782

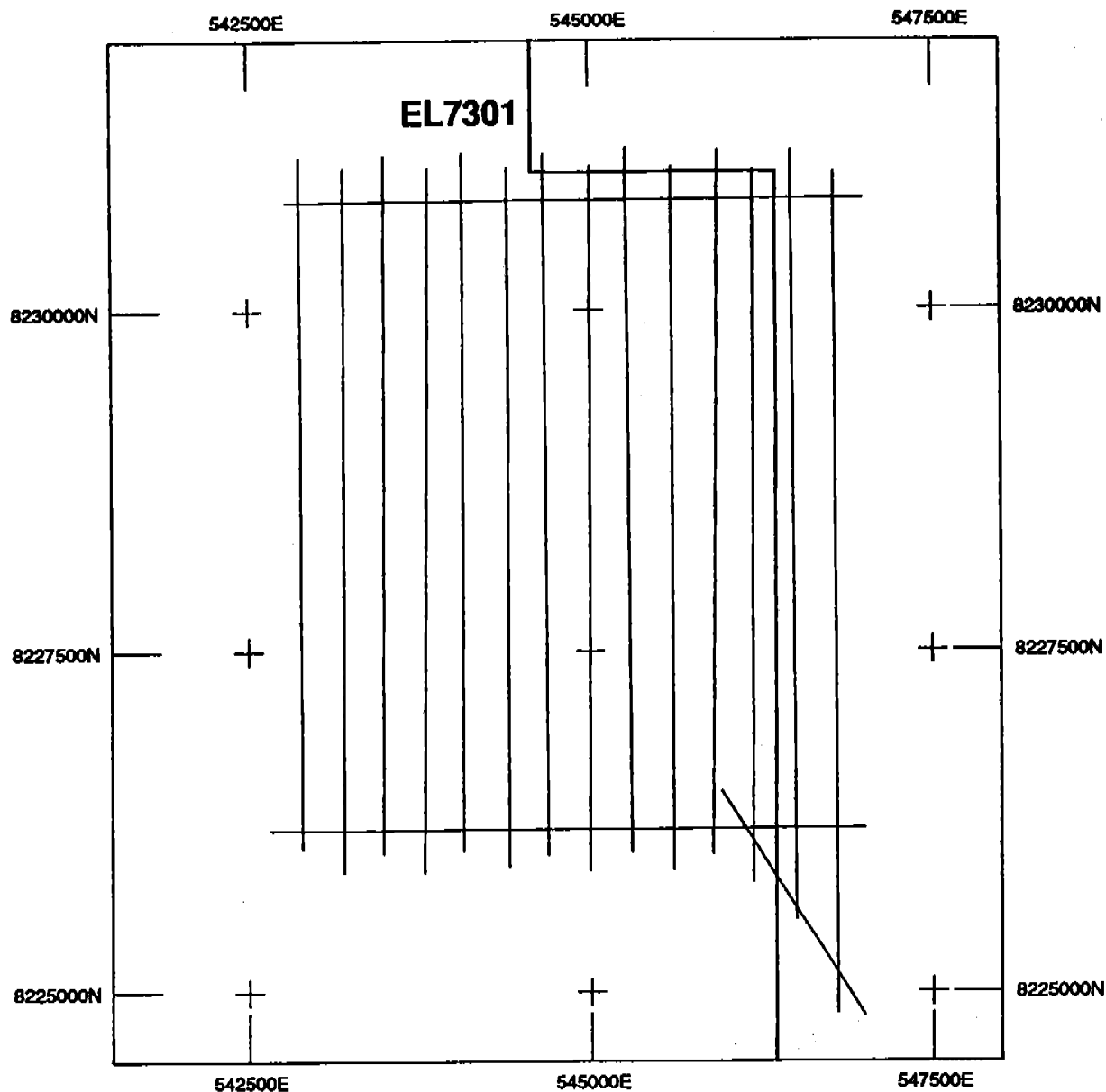
McARTHUR RIVER JOINT VENTURE
BAUHINIA DOWNS PROJECT
E7301 LIMMEN BIGHT RIVER

QUESTEM SURVEY - AEROMAGNETIC CONTOURS

Centre : Perth

Drg. No. : A4-5745

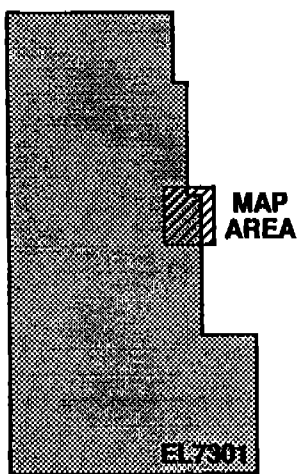
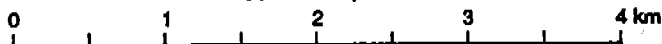
Figure 13



AIRBORNE SURVEY SPECIFICATIONS

Contractor	Geoterrax
Magnetometer	Cesium Vapour
Magnetometer Sample Interval	0.1 seconds (approx 7 metres)
Spectrometer	Nuclear Data 256 Channel ADC
Spectrometer Sample Interval	1.0 seconds (approx 70 metres)
Flight Path Recovery	GPS and Doppler
Flight Line Direction	0 degrees
Flight Line Spacing	400 metres
Flying Height	70 metres
Total line kms of survey	18740 km
Survey flown	June 1993

Scale 1 : 50,000



Prepared : M.Rennison

Drawn : A.R.Veale

Date : 17-8-95

Revised :



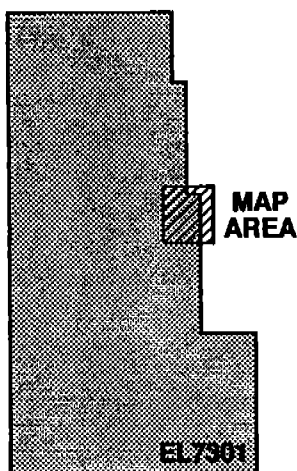
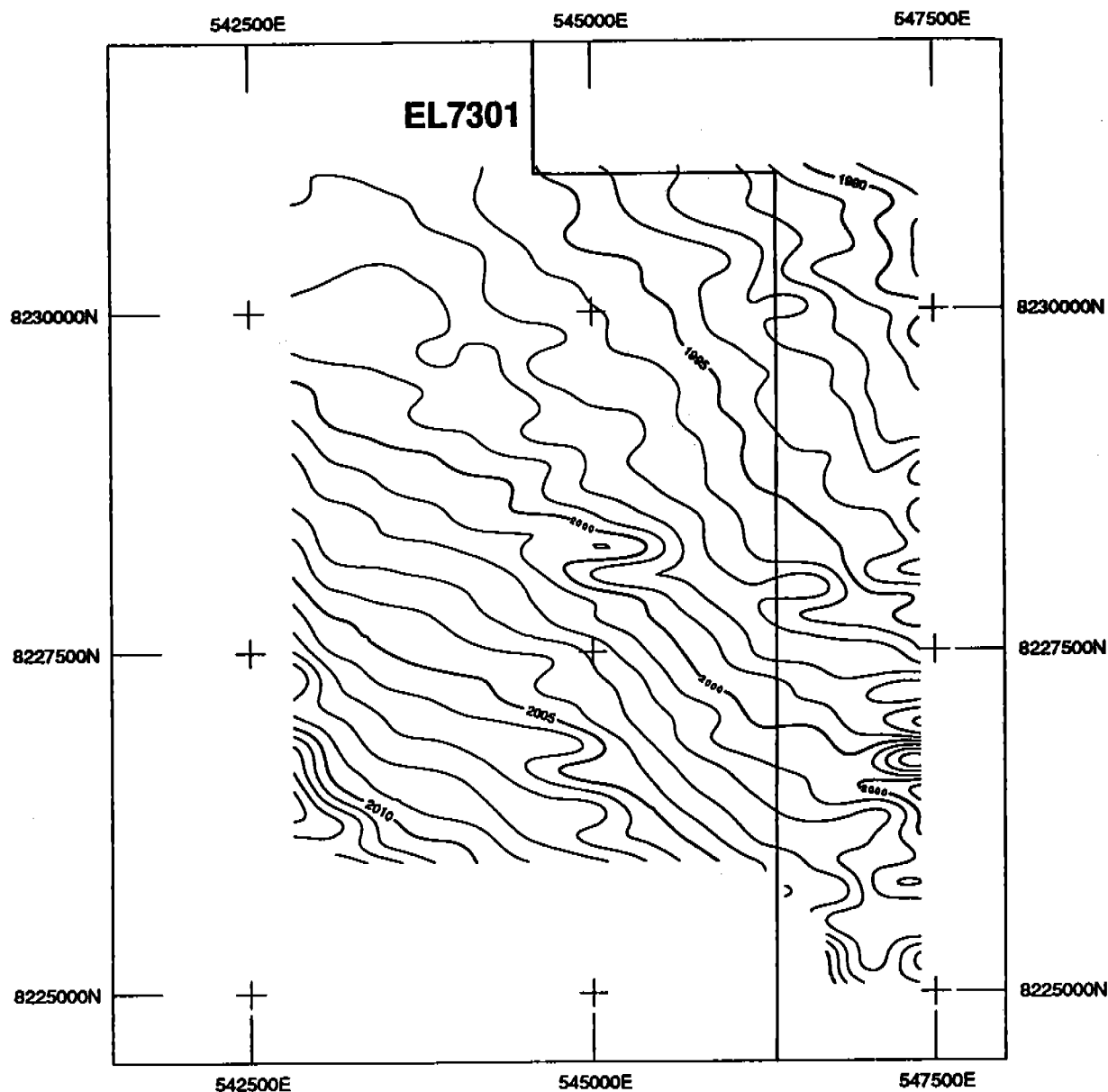
Exploration - BHP Minerals
BHP Minerals Pty. Ltd., A.C.N. 006 004 782

Centre : Perth

Drg. No. : A4-5746

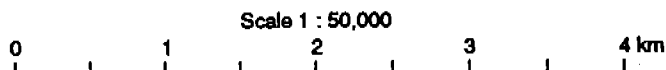
McARTHUR RIVER JOINT VENTURE
BAUHINIA DOWNS PROJECT
EL7301 LIMMEN BIGHT RIVER
AEROMAGNETIC SURVEY FLIGHT LINES

Figure 14



AIRBORNE SURVEY SPECIFICATIONS

Contractor	Geotrex
Magnetometer	Cesium Vapour
Magnetometer Sample Interval	0.1 seconds (approx 7 metres)
Spectrometer	Nuclear Data 256 Channel ADC
Spectrometer Sample Interval	1.0 seconds (approx 70 metres)
Flight Path Recovery	GPS and Doppler
Flight Line Direction	0 degrees
Flight Line Spacing	400 metres
Flying Height	70 metres
Total line kms of survey	18740 km
Survey flown	June 1993



Prepared : M.Rennison

Drawn : A.R.Veale

Date : 17-8-95

Revised :



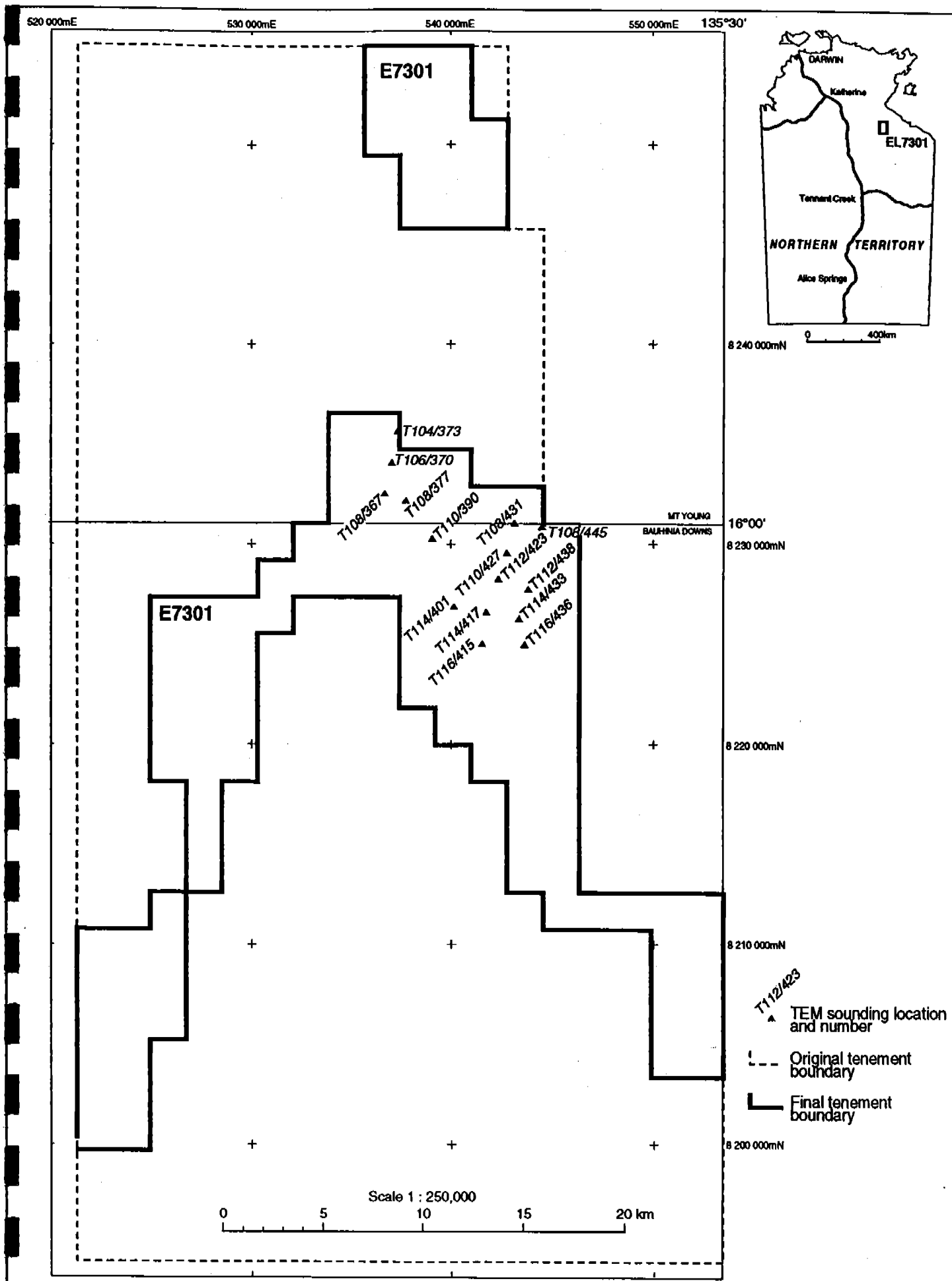
Exploration - BHP Minerals
BHP Minerals Pty. Ltd., A.C.N. 806 664 782

Centre : Perth

Drp. No. : A4-5747

McARTHUR RIVER JOINT VENTURE
BAUHINIA DOWNS PROJECT
EL7301 LIMMEN BIGHT RIVER
AEROMAGNETIC SURVEY CONTOURS

Figure 15



Prepared : M.Rennison

Drawn : R.J.Clark

Date : 18.9.95

Revised :



McARTHUR RIVER J.V.
EL7301 LIMMEN BIGHT RIVER, N.T.

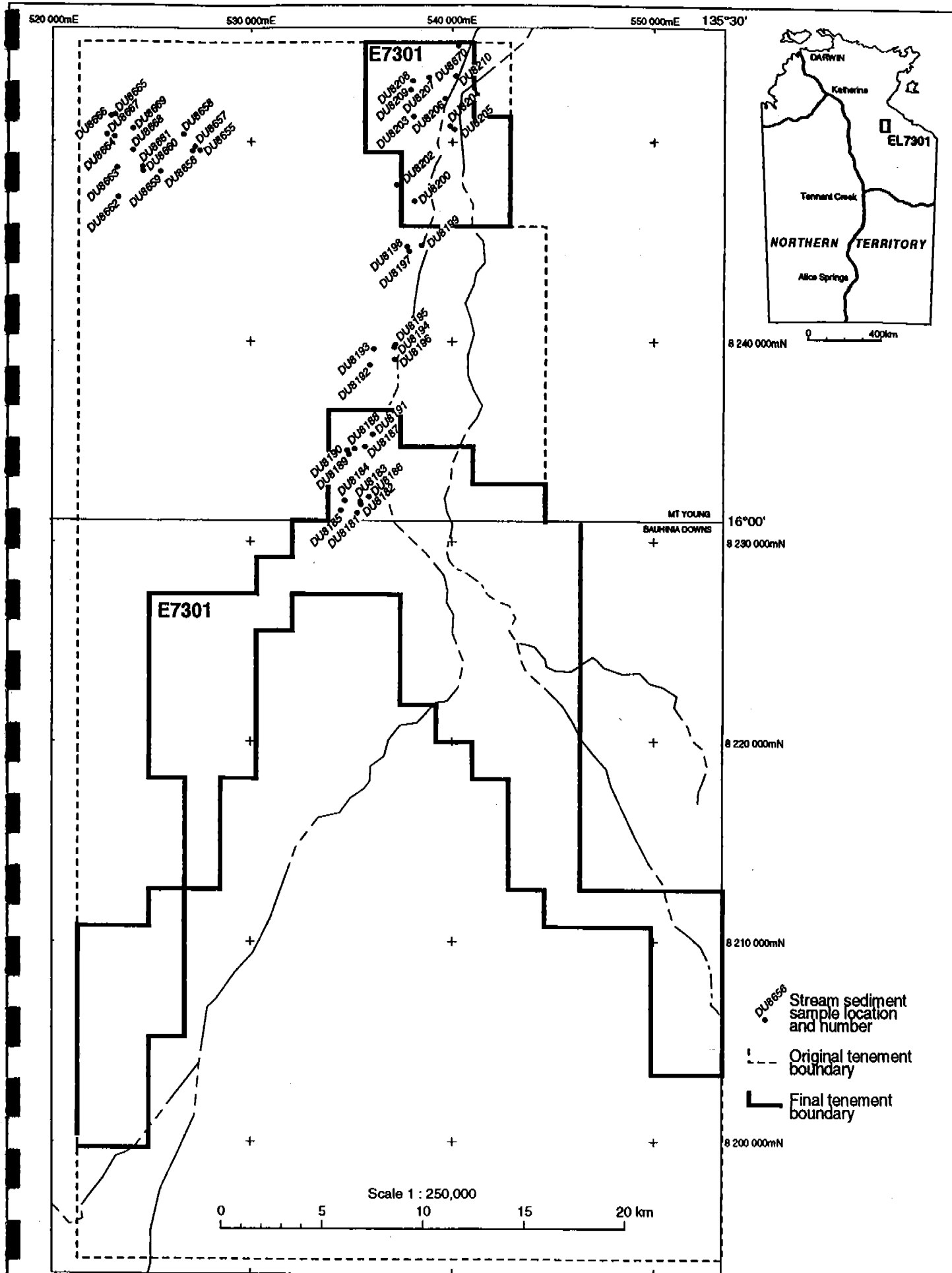
TEM SOUNDING LOCATIONS

Exploration - BHP Minerals
BHP Minerals Pty. Ltd., A.C.N. 008 694 782

Centre : Perth

Drg. No. : A4-5751

Figure 16



Prepared : M.Rennison
 Drawn : R.J.Clark
 Date : 17.8.95
 Revised :



McARTHUR RIVER J.V.
EL7301 LIMMEN BIGHT RIVER, N.T.

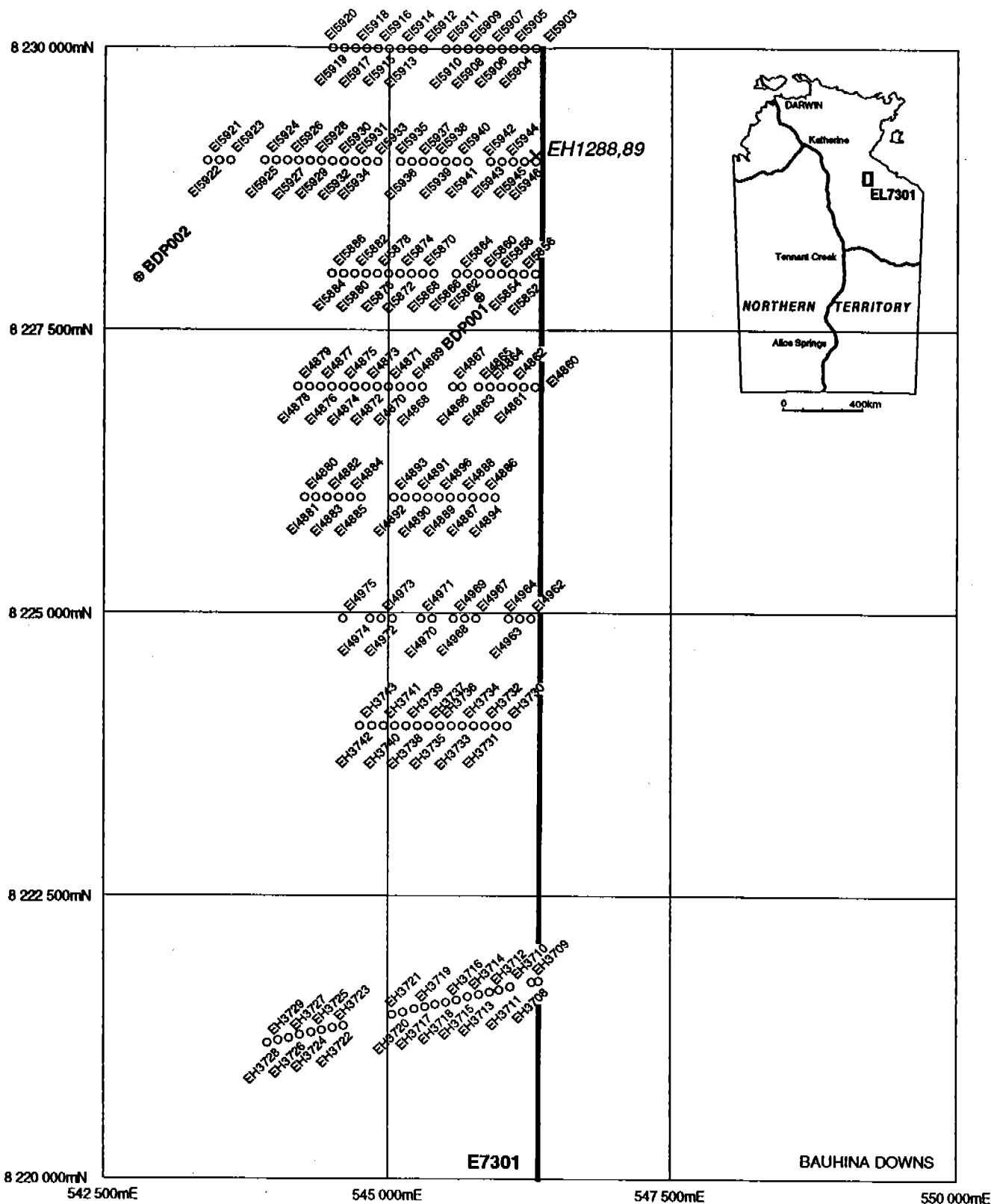
STREAM SEDIMENT SAMPLE LOCATIONS

Exploration - BHP Minerals
 BHP Minerals Pty. Ltd., A.C.N. 008 664 782

Centre : Perth

Drg. No. : A4-5749

Figure 17



Soil sample location and number

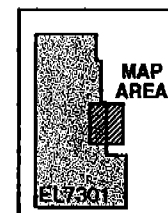
EH1288

Rock chip sample location and number

X

BDP002

Drillhole location and number



Prepared : M.Rennison

Drawn : R.J.Clark

Date : 18.8.95

Revised :



McARTHUR RIVER J.V.
EL7301 LIMMEN BIGHT RIVER, N.T.

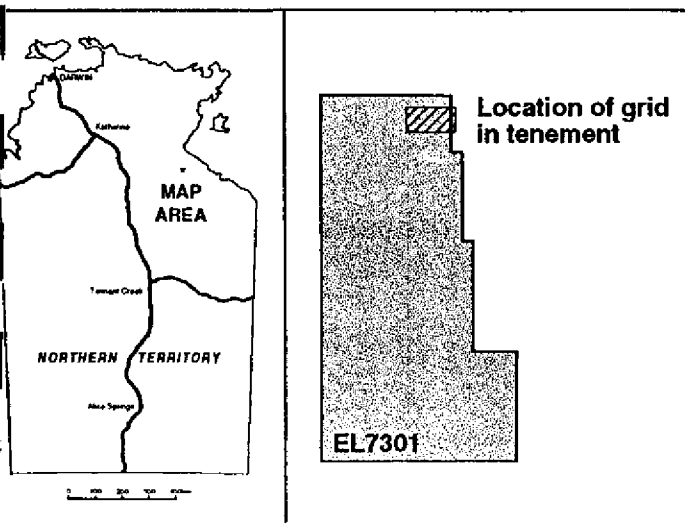
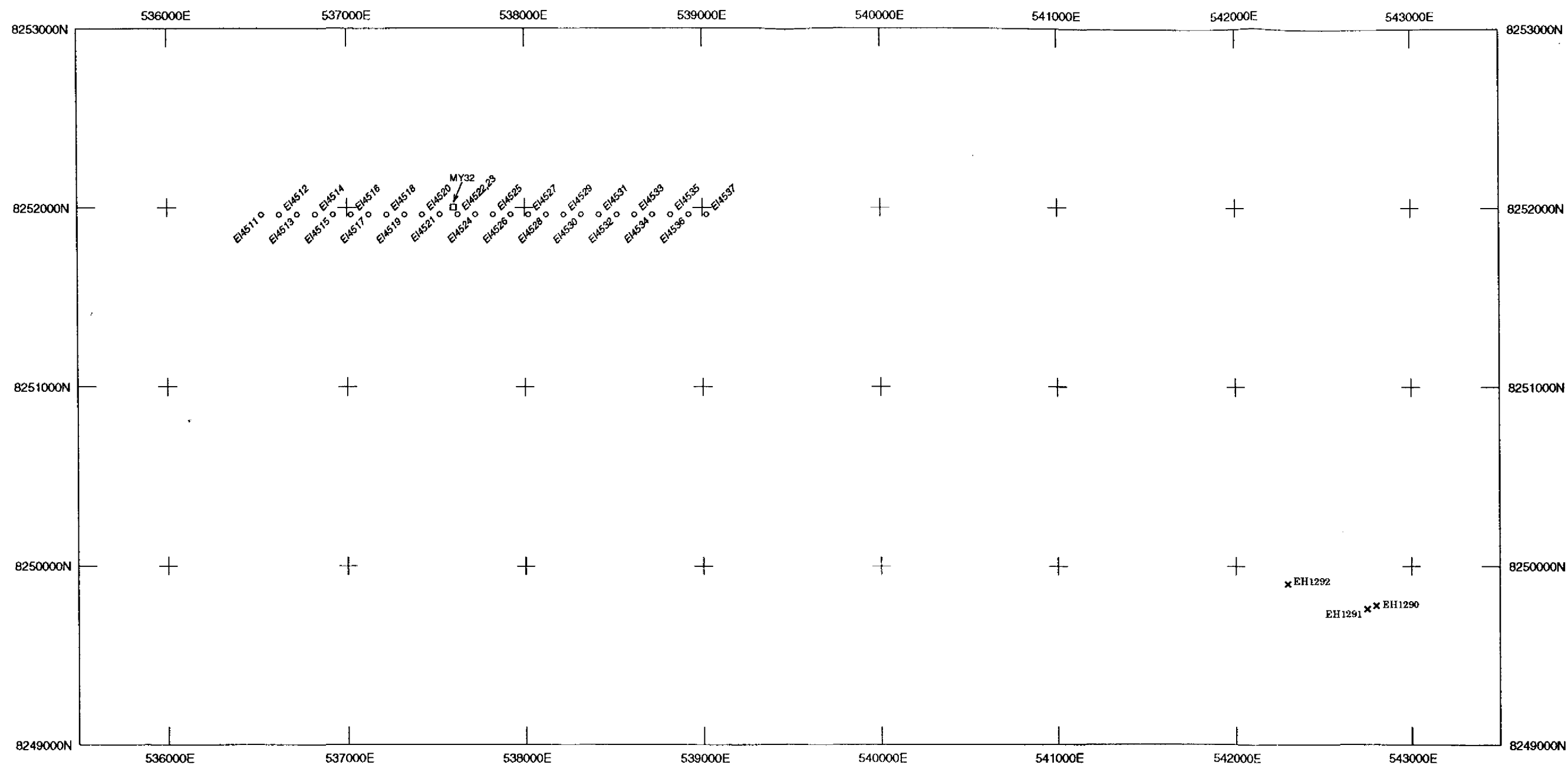
SOIL, ROCK CHIP AND DRILL HOLE LOCATIONS

Exploration - BHP Minerals
BHP Minerals Pty. Ltd., A.C.N. 000 004 782

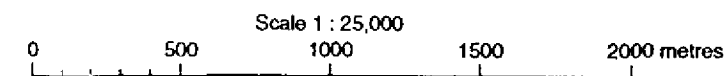
Centre : Perth

Drg. No. : A4-5750

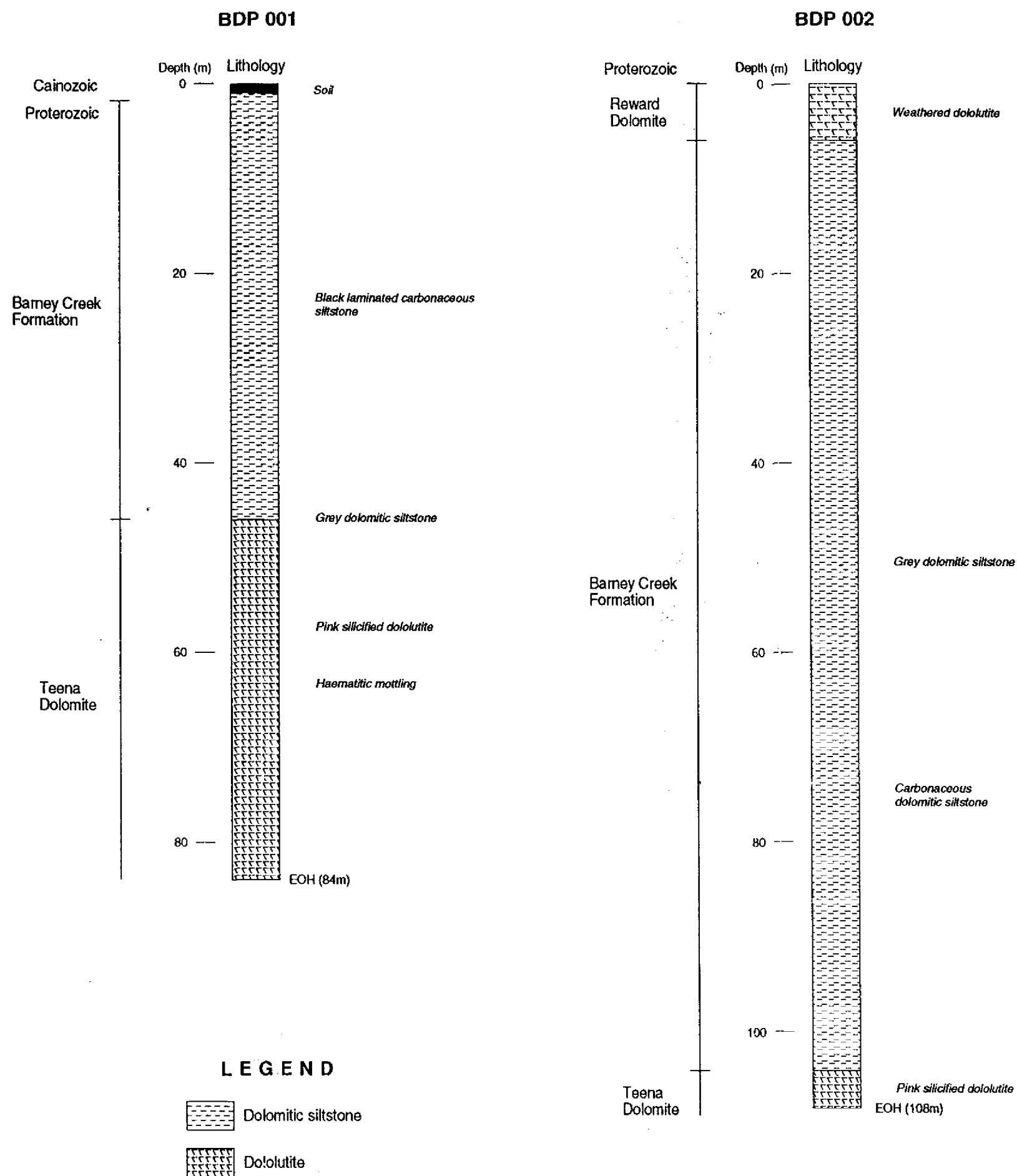
Figure 18



- EA552 Soil sample location and number
- ✕ EH1291 Rock chip sample location and number
- MY32 QUESTEM anomaly



		Exploration - BHP Minerals BHP Minerals Pty. Ltd., A.C.N. 008 884 782
McARTHUR RIVER JV EL7301 LIMMEN BIGHT RIVER, N.T. LOCATION OF SOIL & ROCK CHIP SAMPLE SITES AND QUESTEM ANOMALY MY32		
Prepared : M.Rennison	Date : 16-6-95	Figure 19
Drawn : A.R.Veale	Revised: 17-8-95	
Centre : Perth	Drq. No.: A3-3966	



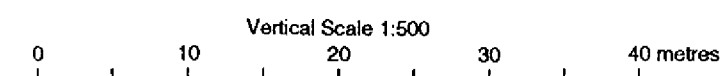
DRILLING DETAILS

BDP 001

CONTRACTOR : Gaden Drilling Pty Ltd
 RIG TYPE : Universal 650
 DATE COMMENCED : 09.10.94
 DATE COMPLETED : 09.10.94
 DECLINATION : Vertical
 FINAL DEPTH : 84.0m
 METHOD : 5.25 " RC Hammer
 COLLAR CO-ORDINATES : 545806 mE, 8227790 mN
 LOGGED : B. Jones

BDP 002

CONTRACTOR : Gaden Drilling Pty Ltd
 RIG TYPE : Universal 650
 DATE COMMENCED : 03.10.94
 DATE COMPLETED : 04.10.94
 DECLINATION : Vertical
 FINAL DEPTH : 108.0m
 METHOD : 5.25 " RC Hammer
 COLLAR CO-ORDINATES : 542800 mE, 8227960 mN
 LOGGED : B. Jones



BHP		Exploration - BHP Minerals BHP Minerals Pty. Ltd., A.C.N. 008 694 782
CARPENTARIA PROGRAM Mc ARTHUR RIVER JOINT VENTURE. E7341, E7262, E7263 GRAPHIC SUMMARY DRILL LOGS BDP 001, 002		
Prepared : M. Rennison	Date : 16.6.95	Figure 20
Drawn : R.J.Clark	Revised:	
Centre : Perth	Drq. No.: A3-3968	

560,000mE

570,000mE

580,000mE

590,000mE

8,250,000mN

8,250,000mN

8,240,000mN

8,240,000mN

8,230,000mN

8,230,000mN

E.L. 7266
RELINQUISHED

MYO653

MYO648

MYO652

15°47'

135°37'

135°39'

15°52'

135°40'

15°53'

15°54'

135°39'

15°55'

135°41'

8,220,000mN

8,220,000mN

8,210,000mN

8,210,000mN

E.L. 7266
RELINQUISHEDE.L. 7266
RETAINED

16°04'

135°41'

16°05'

135°40'

16°07'

135°38'

16°06'

135°37'

16°08'

135°41'

16°09'

135°40'

16°10'

135°39'

16°11'

135°38'

16°12'

135°42'

16°13'

135°41'

16°10'

135°43'

16°11'

135°42'

16°12'

135°43'

KILOMETRES

1 : 100,000

590,000mE

560,000mE

570,000mE

580,000mE

- Sample - not yet processed
- Sample - negative
- ◆ Sample - chromite positive
- ◇ Sample - diamond positive
- Sample - other indicators

ASHTON MINING LIMITED

A.D.E. JOINT VENTURE

PARTIAL RELINQUISHMENT
EXPLORATION LICENCE 7266
SAMPLE LOCATIONS

PLAN 1

Geologist :	Date :	Report No :
Drafted : M.F. Ariotti	Revised :	Drawing No :

CR 95 / 623 A

550,000mE

560,000mE

570,000mE

8,190,000mN

8,180,000mN

8,170,000mN

8,160,000mN

8,150,000mN

8,190,000mN

8,180,000mN

8,170,000mN

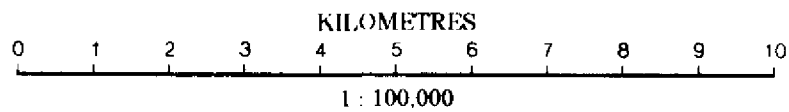
8,160,000mN

8,150,000mN

550,000mE

560,000mE

570,000mE

E.L. 7300
RELINE.L. 7300
RETAINEDE.L. 7300
RELINE.L. 7300
RELINE.L. 7300
RELIN

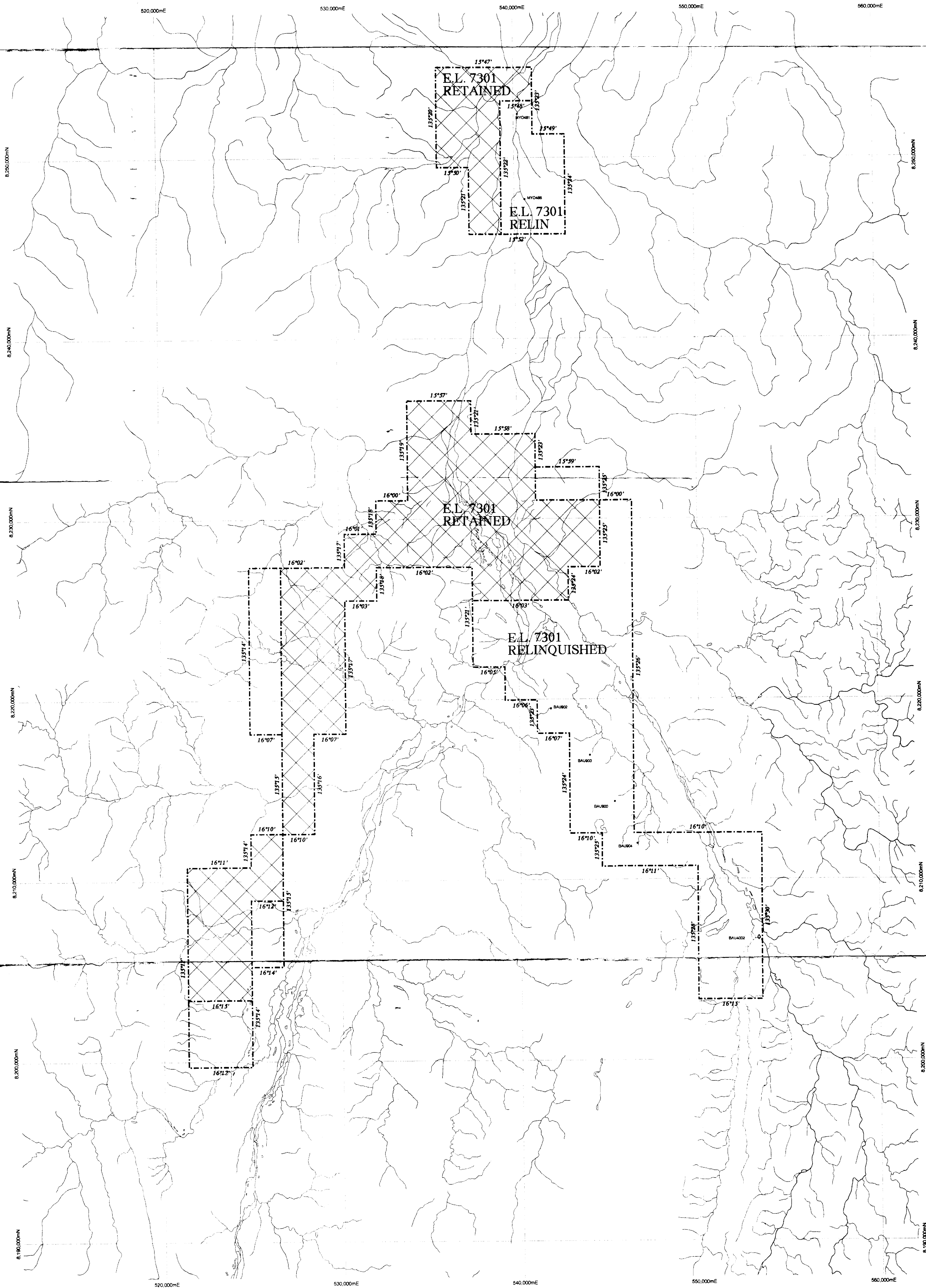
- Sample - not yet processed
- Sample - negative
- ◆ Sample - chromite positive
- ◇ Sample - diamond positive
- Sample - other indicators

ASHTON MINING LIMITED
A.D.E. JOINT VENTUREPARTIAL RELINQUISHMENT
EXPLORATION LICENCE 7300
SAMPLE LOCATIONS

PLAN 2

Geologist :	Date :	Report No :
Drafted : M.F. Ariotti	Revised :	Drawing No :

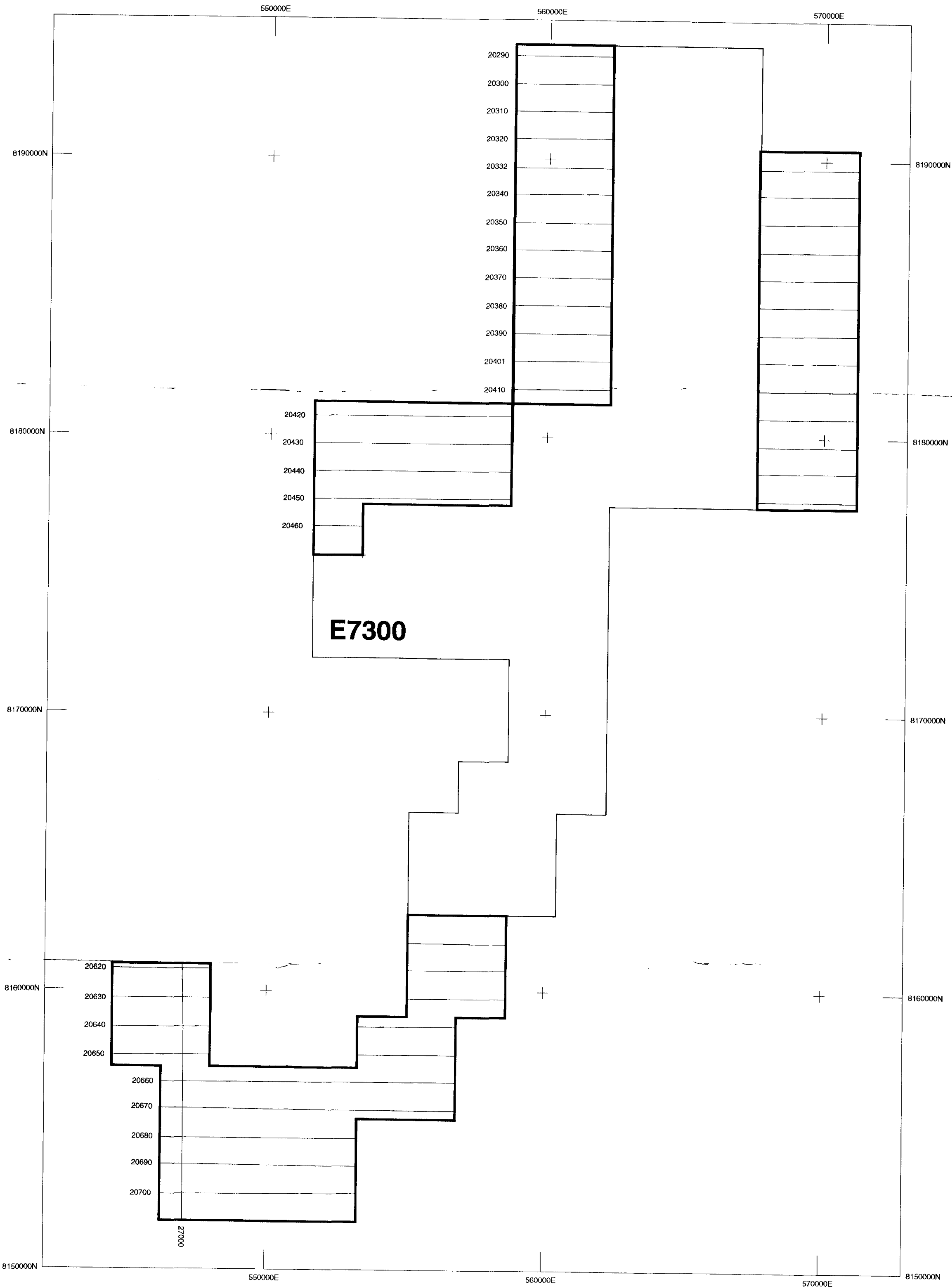
CR 05/1627A



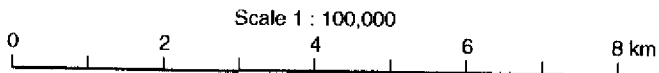
- Sample - not yet processed
- Sample - negative
- ◆ Sample - chromite positive
- ◇ Sample - diamond positive
- Sample - other indicators

ASHTON MINING LIMITED		
A.D.E. JOINT VENTURE		
PARTIAL RELINQUISHMENT		
EXPLORATION LICENCE 7301		
SAMPLE LOCATIONS		
PLAN 3		
Geologist :	Date : AUGUST, 1995	Report No. :
Drawn : M.P. Ariotti	Revised :	Drawing No. :

CR95/623A

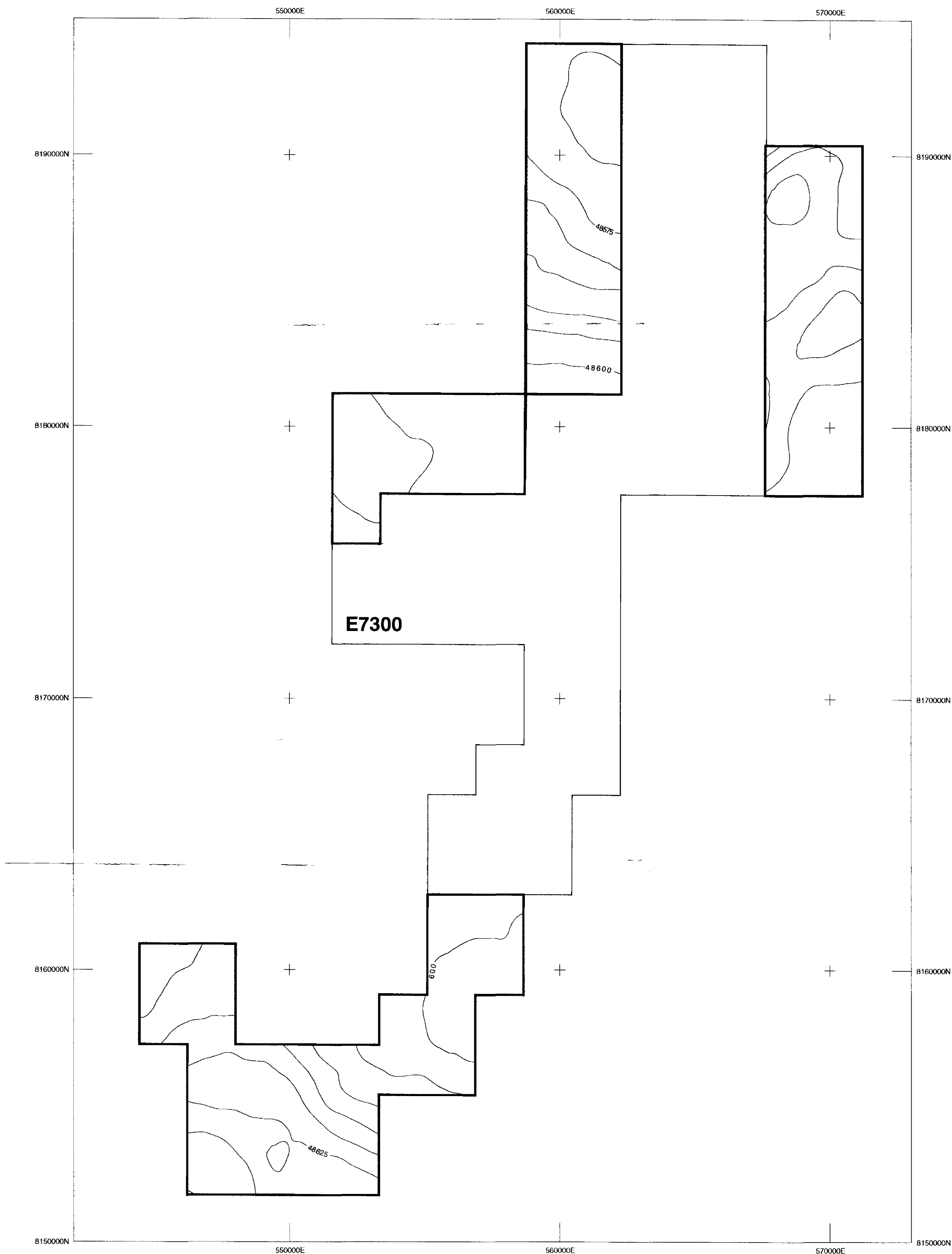


AIRBORNE SURVEY SPECIFICATIONS
Contractor Aerodata
Magnetometer Split Beam Cesium Scintrex V201
Magnetometer Sample Interval 0.5 seconds (approx 25 metres)
Flight Path Recovery GPS
Flight Line Direction 90 degrees
Flight Line Spacing 1000 metres
Flying Height 123 metres
Total line kms of survey 5755 km
Survey flown July 1992



		Exploration - BHP Minerals BHP Minerals Pty. Ltd., A.C.N. 006 694 782	
McARTHUR RIVER J.V. BAUHINIA DOWNS PROJECT EL7300 RELINQUISHED PORTIONS AEROMAGNETIC FLIGHT LINES			
Prepared : M.Rennison	Date : 16.8.95	PLATE 1	
Drawn : R.J.Clark	Revised :		
Centre : Perth	Drawing No : A2-2482		

CR95/623A



CR95/623A

AIRBORNE SURVEY SPECIFICATIONS

Contractor	Aerodata
Magnetometer	Split Beam Cesium Scintrex V201
Magnetometer Sample Interval	0.5 seconds (approx 25 metres)
Flight Path Recovery	GPS
Flight Line Direction	90 degrees
Flight Line Spacing	1000 metres
Flying Height	123 metres
Total line kms of survey	5755 km
Survey flown	July 1992

Scale 1 : 100,000
0 2 4 6 8 km



Exploration - BHP Minerals
BHP Minerals Pty. Ltd. A.C.N. 008 694 782

McARTHUR RIVER J.V.
BAUHINIA DOWNS PROJECT
EL7300 RELINQUISHED PORTIONS
AEROMAGNETIC CONTOURS

Prepared : M.Rennison	Date : 16.8.95
Drawn : R.J.Clark	Revised :
Centre : Perth	Drawing No : A2-2483

PLATE 2

CR95/623A

RELINQUISHMENT REPORT
EXPLORATION LICENCES 7266, 7300 & 7301

APPENDICES 1- 11
Volume 1 of 2

Licensee: Ashton Mining Limited

Operator: Ashton Mining Limited
BHP Minerals Pty Ltd

Sheet Reference: 1:250,000 Bauhinia Downs (SE 53-03)
1:250,000 Mount Young (SD 53-15)

Submitted to: Department of Mines and Energy, Darwin

Copies to: Ashton Mining Limited - Perth Office
Ashton Mining Library

Authors:

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3 Plain Street
EAST PERTH WA 6004

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27 DEC 1995

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August, 1995

Report Number: 51154

CR 95/623B
VOL 1 OF 2

APPENDIX 1

Sample Results

EXPLORATION LICENCE 7266

SAMPLING RESULTS IN RELINQUISHED AREA

Sample	Result	Type	Diamond		Chromite	Other
			Micro	Macro		
BAU 4595	Neg	G	-	-	-	-
BAU 4609	Neg	G	-	-	-	-
MYO 0548	Neg	G	-	-	-	-
MYO 0552	Neg	G	-	-	-	-
MYO 0553	Neg	G	-	-	-	-

SAMPLE METHODS/TYPES

G = Gravel
L = Loam
R = Rock
P = Pit

BG = Bulk gravel
BL = Bulk loam
BT = Bulk trench
TR = Trench/costean

LG = Loam on grid
L PF = Loam on photofeature
DS = Drill spoil

**EXPLORATION LICENCE 7300
SAMPLING RESULTS IN RELINQUISHED AREA**

Sample	Result	Type	Diamond		Chromite	Other
			Micro	Macro		
BAU 0561	Neg	G	-	-	-	-
BAU 0562	Neg	G	-	-	-	-
BAU 0564	Neg	G	-	-	-	-
BAU 0565	Neg	G	-	-	-	-
BAU 0572	Neg	G	-	-	-	-
BAU 2715	Neg	G	-	-	-	-
BAU 2717	Neg	G	-	-	-	-
BAU 2762	Neg	G	-	-	-	-
BAU 2765	Neg	G	-	-	-	-
BAU 4001	Neg	G	-	-	-	-
BAU 4032	POS	G	2	-	-	-
BAU 4509	Neg	G	-	-	-	-
BAU 4513	Neg	G	-	-	-	-
BAU 4514	Neg	G	-	-	-	-
BAU 4515	Neg	G	-	-	-	-
BAU 4521	Neg	G	-	-	-	-
BAU 4523	Neg	G	-	-	-	-
BAU 4526	Neg	G	-	-	-	-
BAU 4527	Neg	G	-	-	-	-
BAU 4533	Neg	G	-	-	-	-
BAU 4536	Neg	G	-	-	-	-
BAU 4537	Neg	G	-	-	-	-
BAU 4540	Neg	G	-	-	-	-
BAU 4541	Neg	G	-	-	-	-
BAU 4542	Neg	G	-	-	-	-
BAU 4543	Neg	G	-	-	-	-
BAU 4552	Neg	G	-	-	-	-
BAU 4553	Neg	G	-	-	-	-
BAU 5255	Neg	L	-	-	-	-
BAU 5256	POS	L	1	-	-	-
BAU 5257	Neg	L	-	-	-	-
BAU 5258	POS	L	1	-	-	-
BAU 5259	POS	L	1	-	-	-
BAU 5260	Neg	L	-	-	-	-
BAU 5261	Neg	L	-	-	-	-
BAU 5262	Neg	L	-	-	-	-
BAU 5263	Neg	L	-	-	-	-
BAU 5264	Neg	L	-	-	-	-
BAU 14077	Neg	G	-	-	-	-
BAU 14080	Neg	G	-	-	-	-
BAU 14081	Neg	G	-	-	-	-

SAMPLE METHODS/TYPES

G = Gravel
L = Loam
R = Rock
P = Pit

BG = Bulk gravel
BL = Bulk loam
BT = Bulk trench
TR = Trench/costean

LG = Loam on grid
L PF = Loam on photofeature
DS = Drill spoil

EXPLORATION LICENCE 7301

SAMPLING RESULTS IN RELINQUISHED AREA

Sample	Result	Type	Diamond		Chromite	Other
			Micro	Macro		
BAU 0900	Neg	G	-	-	-	-
BAU 0902	Neg	G	-	-	-	-
BAU 0903	Neg	G	-	-	-	-
BAU 0904	Neg	G	-	-	-	-
BAU 4002	POS	G	1	-	-	-
MYO 0481	Neg	G	-	-	-	-
MYO 0486	Neg	G	-	-	-	-

SAMPLE METHODS/TYPES

G = Gravel

L = Loam

R = Rock

P = Pit

BG = Bulk gravel

BL = Bulk loam

BT = Bulk trench

TR = Trench/costean

LG = Loam on grid

L PF = Loam on photofeature

DS = Drill spoil

APPENDIX 2

Airborne TEM Profiles - EL 7266

AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 20100
 flight no. 49
 direction 90
 date flown 28jun92
 time flown 16:04:03.00 16:16:57.00
 fiducial no. 536 1310
 line location 8212745 8212769
 client BHP
 job 1297
 area Borroloola
 scale 1:50000

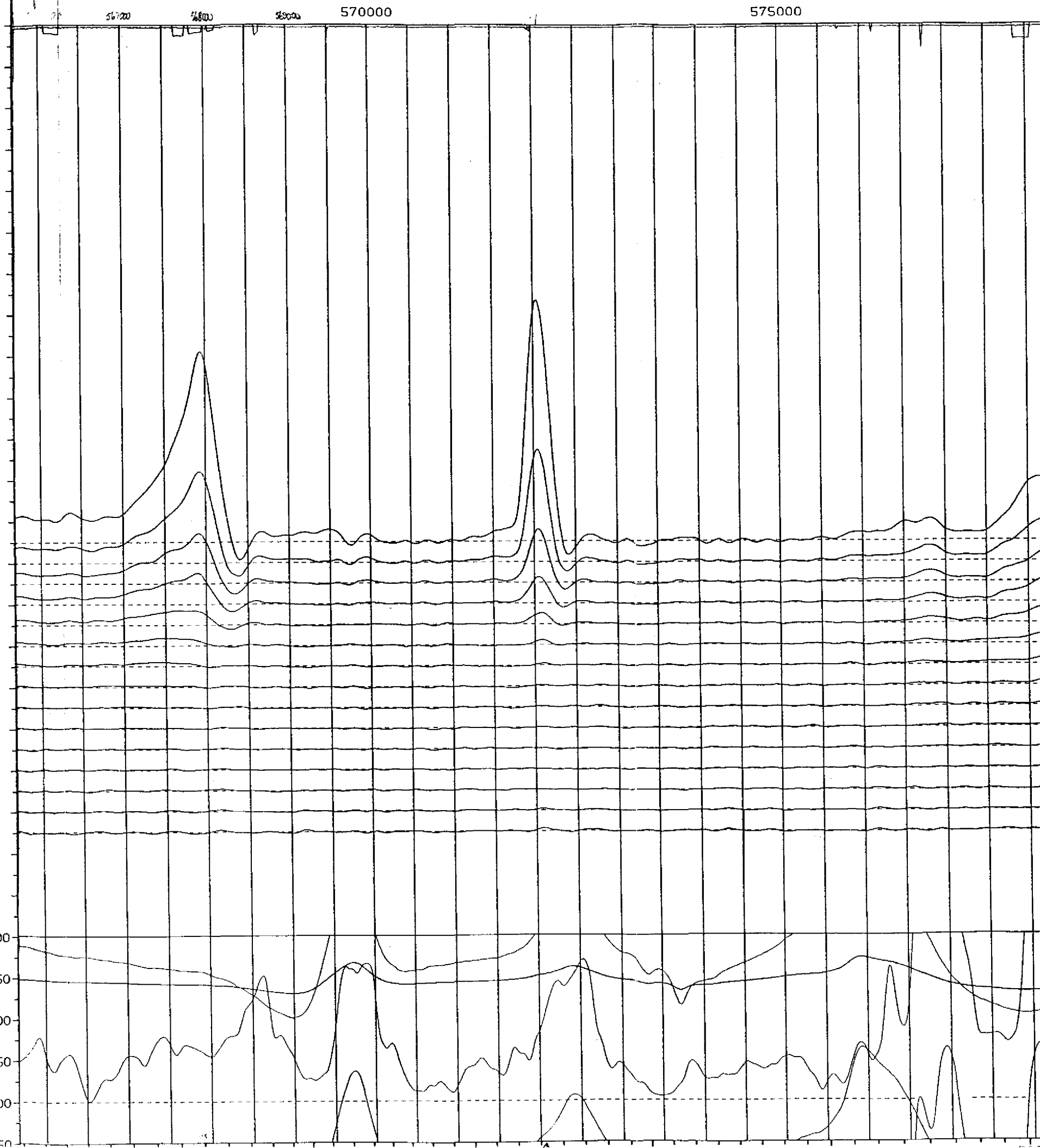
cmg metres
 spherics/powerline
 time constant (1msec/cm)

ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

altitude
 200
 180
 160
 140
 120
 100

magnetics fine
 48600
 48590
 48580
 48570
 48560
 48550

magnetics coarse
 48600
 48550
 48500
 48450
 48400
 48350



AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 20110
 flight no. 49
 direction 270
 date flown 28jun92
 time flown 16:20:36.00 16:32:42.00
 fiducial no. 1348 2074
 line location 8211668 8211689
 client BHP
 job 1297
 area Borraloala
 scale 1:50000

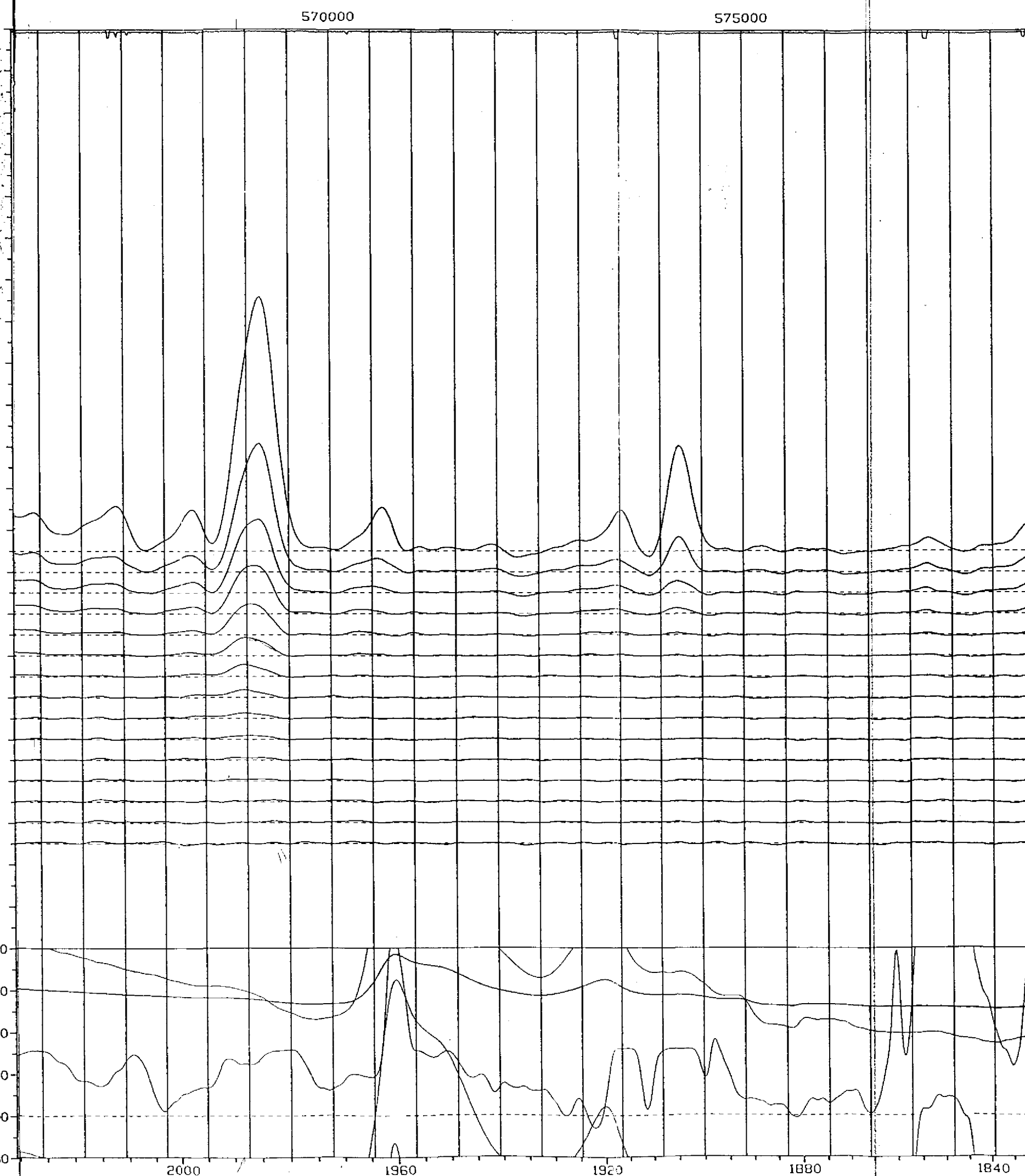
cmg metres
 spherics/powerline
 time constant (1msec/cm)

ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

altitude
 200
 180
 160
 140
 120
 100

magnetics fine
 48600
 48590
 48580
 48570
 48560
 48550

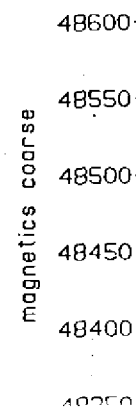
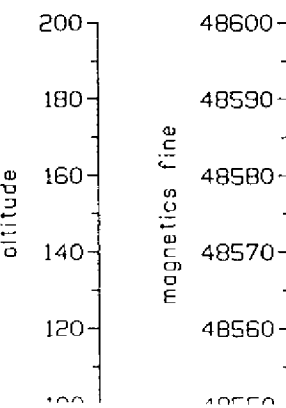
magnetics coarse
 48600
 48550
 48500
 48450
 48400
 48350



AERODATA QUESTEM SYSTEM

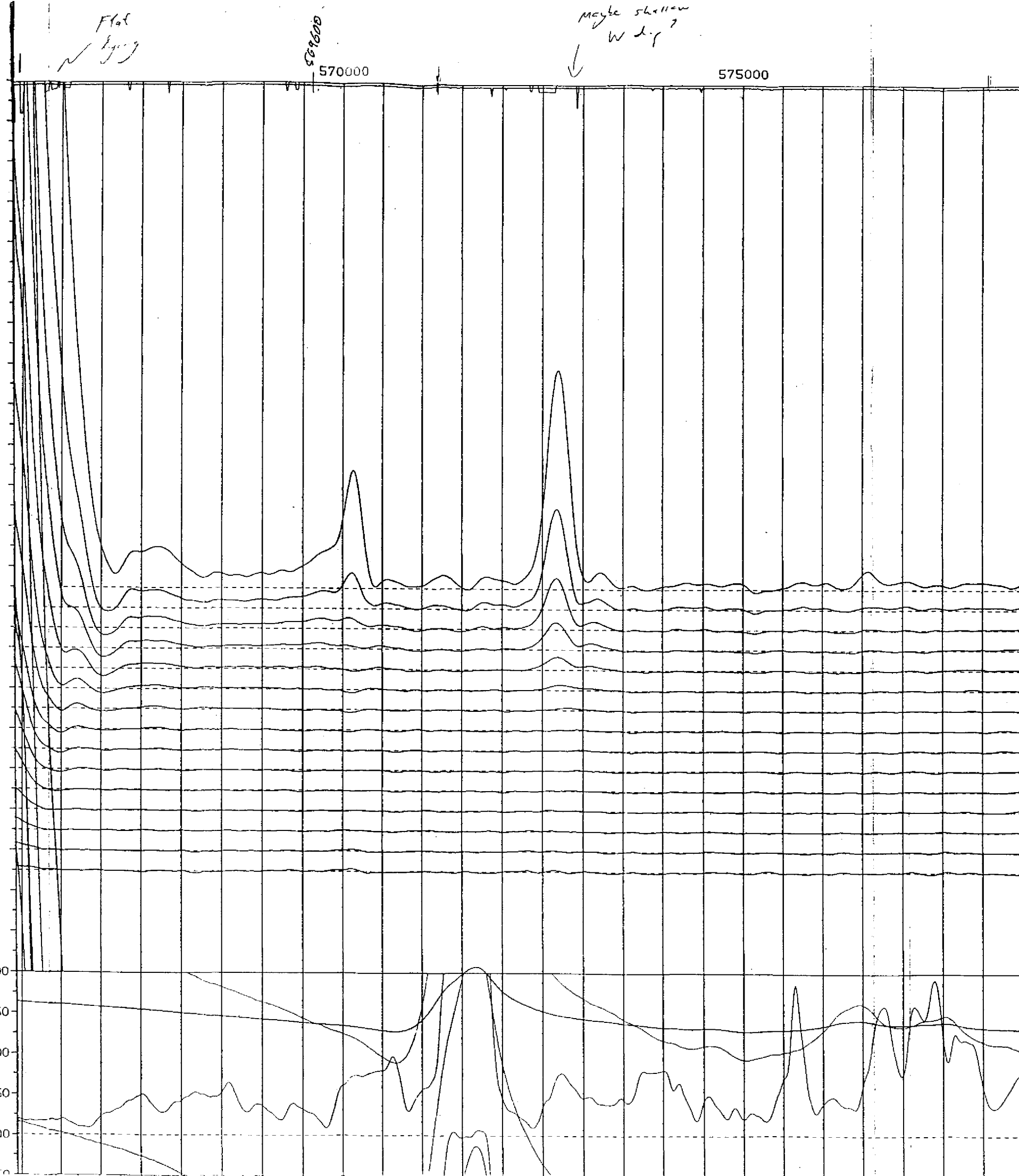
Base frequency 75.0 Hz.

line no. 20120
 flight no. 49
 direction 90
 date flown 28 Jun 92
 time flown 16:35:39.00 16:48:30.00
 fiducial no. 2165 2936
 line location 8210713 8210703
 client BHP
 job 1297
 area Borroloola
 scale 1:50000



ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

cmg metres
 spherics/powerline
 time constant (1msec/cm)



AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 20130
 flight no. 49
 direction 270
 date flown 28jun92
 time flown 16:49:34.00 17:01:29.00
 fiducial no. 2953 3668
 line location 8209736 8209706
 client BHP
 job 1297
 area Borraloola
 scale 1:50000

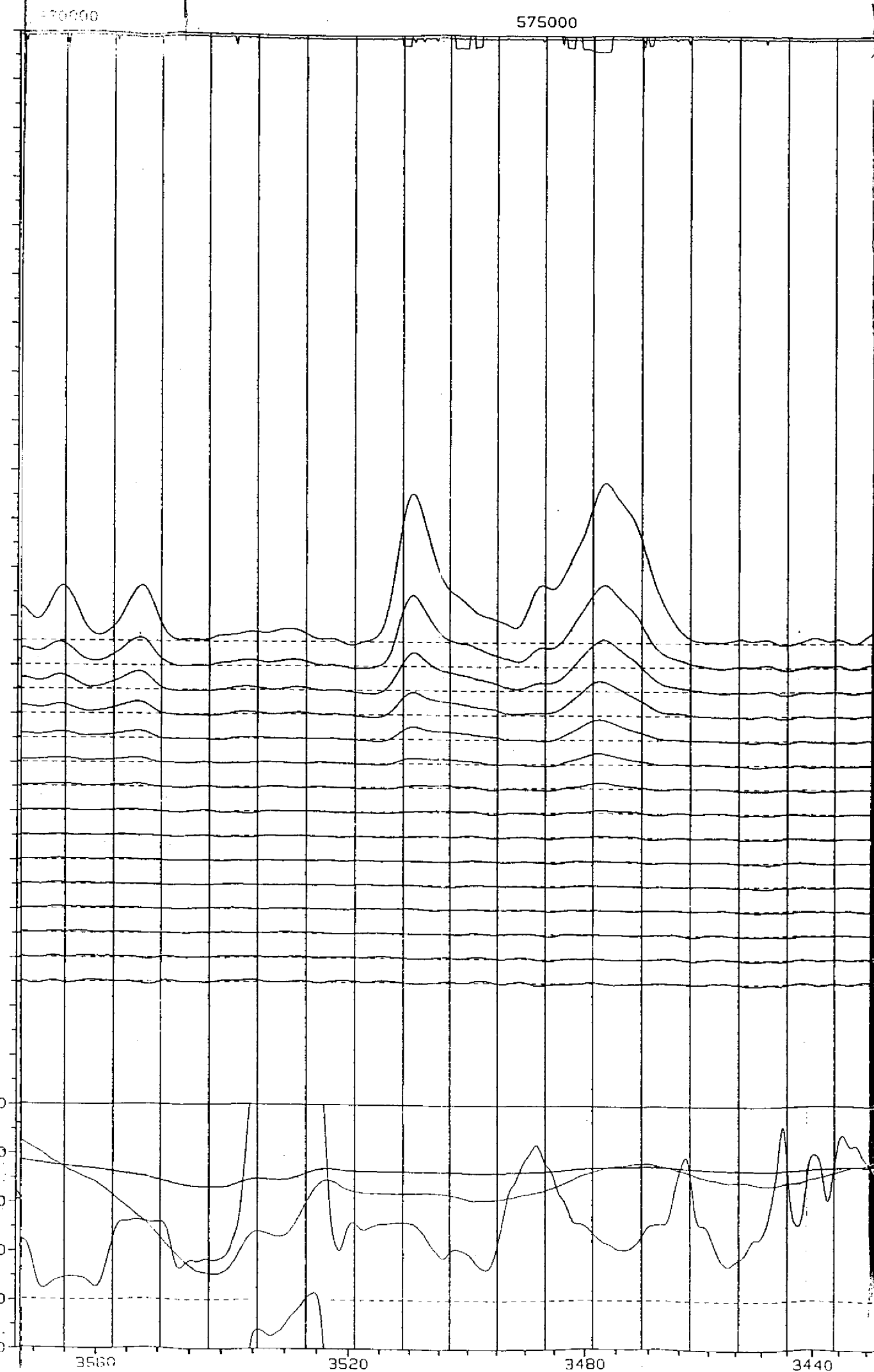
omg metra-
 spherics/powerline
 time constant (1msec/cm)

ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

altitude
 200
 180
 160
 140
 120
 100

magnetics fine
 48600
 48590
 48580
 48570
 48560
 48550

magnetics coarse
 48600
 48550
 48500
 48450
 48400
 48350



AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 20140
 flight no. 49
 direction 90
 date flown 28jun92
 time flown 17:32:01.00 17:44:55.00
 fiducial no. 3685 4459
 line location 8208795 8208701
 client BHP
 job 1297
 area Borroloola
 scale 1:50000

ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

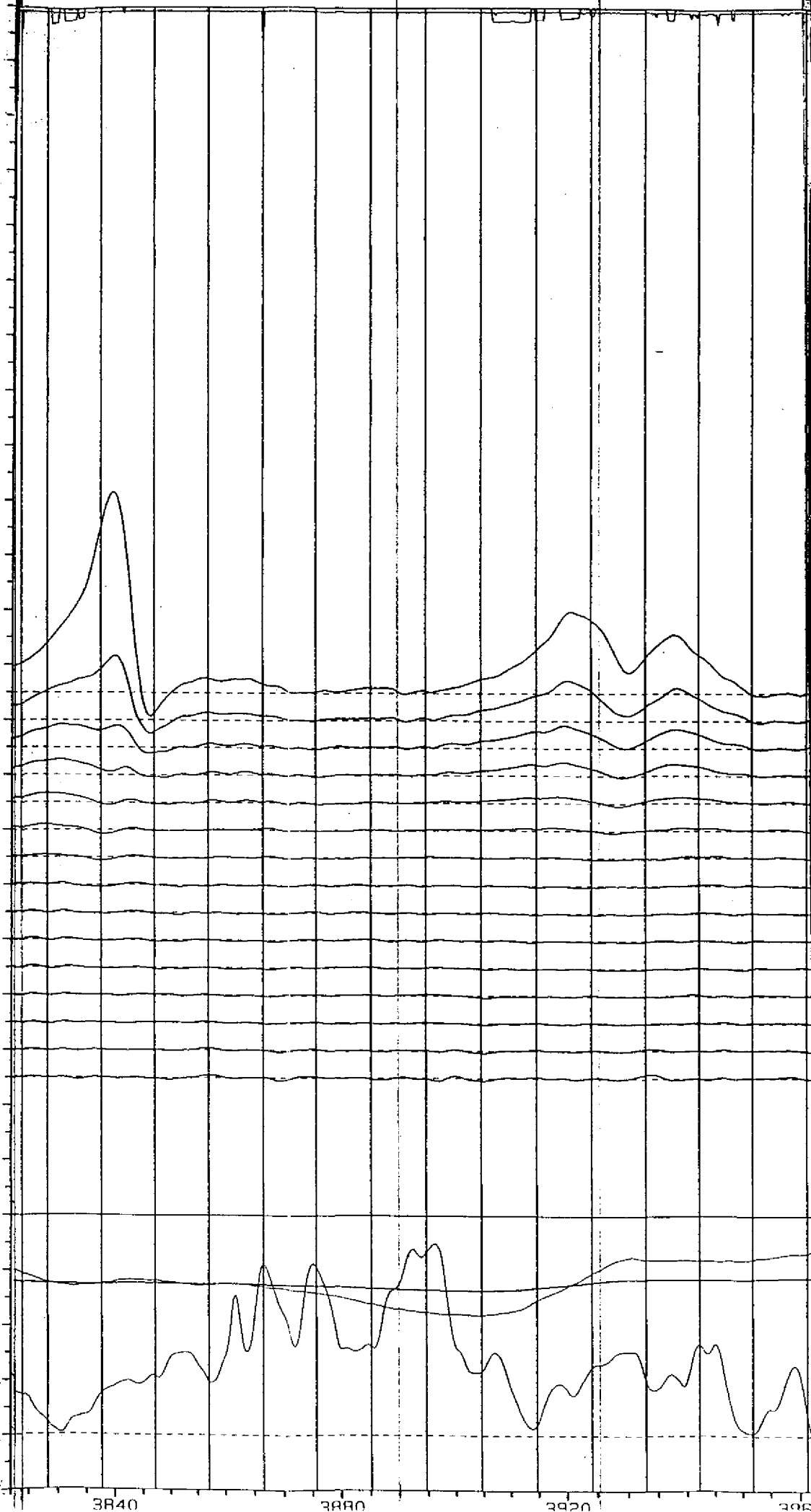
altitude

magnetics fine

magnetics coarse

omg metres
 spherics/powerline
 time constant (1msec/cm)

575000



AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 20150
 flight no. 50
 direction 270
 date flown 29jun92
 time flown 07:34:45.00 07:46:18.00
 fiducial no. 744 1437
 line location 8207755 8207671
 client BHP
 job 1297
 area Borroloola
 scale 1:50000

cmg metres
 spherics/powerline

time constant (1msec/cm)

575000

ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

altitude

magnetics fine

magnetics coarse

48650
48640
48630
48620
48610
48600
48550
48500
48450
48400
48350

APPENDIX 3

Geochemical Sampling Results - EL 7266

Analytical Techniques

All geochemical analyses were carried out at Assaycorp Pty Ltd, Pine Creek, Northern Territory. Analytical methods, elements determined and detection limits used were as follows:

Detection Limits

AAS/MA-3	-	Cu	2	ppm	Prec. $\pm$ 10%
AAS/MA-3	-	Pb	2	ppm	Prec. $\pm$ 10%
AAS/MA-3	-	Zn	1	ppm	Prec. $\pm$ 10%
AAS/MA-3	-	Ag	0.5	ppm	Prec. $\pm$ 10%
AAS/MA-3	-	Mn	2	ppm	Prec. $\pm$ 10%
AAS/MA-3	-	Fe	20	ppm	Prec. $\pm$ 10%
AAS/MA-3	-	As	2	ppm	Prec. $\pm$ 10%
AAS/MA-4	-	Tl	1	ppm	Prec. $\pm$ 10%
FA50	-	Au	1	ppb	Prec. $\pm$ 10%

Analytical Methods

Base Metal Assays - Cu, Pb, Zn, Ag, Mn, Fe

A 0.3 g sample is digested in a triple mixture of hydrochloric, nitric and perchloric acids at 180°C. The cooled and dried residue is leached with concentrated HCl acid at 90°C and diluted with distilled water. After cooling the sample is mixed and left to stand for sediment settling. Elements are read on an atomic absorption spectrophotometer (AAS) against aqueous standards of pure metals for each element. Cu, Pb, Zn and Ag are read using an air acetylene flame and Fe and Mn using a nitrous oxide - acetylene flame.

Hydride Forming Element Assays - As

A 1:10 dilution is taken from the base metal digestion to give a concentration of 10% HCl and 0.2% KI solution. The solution is pumped into a GBC model HG 3000 hydride generator and mixed with concentrated HCl acid and Na BH₄. The gas which is given off passes through a gas-liquid separator and the gas passes to a quartz cell on the AAS for reading.

Thallium Assay

A 0.5 g sample is digested, leached, concentrated and diluted in the same manner as for base metal assays. A 1% aqueous solution of APDC is added at pH3 and an aliquot of water-saturated MI is added. The solution is shaken to extract Tl into the organic phase and the content is determined using an AAS and extracted standards.

Au Assays

A 50 g sample aliquot is mixed with a fire assay flux and fused in a crucible furnace at 1000°C for 50 minutes. The sample is poured and cooled and the lead button and slag are separated. The button is cupelled in a Mg cupel at 1050°C. The resulting dore prill is

treated with nitric acid to dissolve Au. The Au solution is diluted and DIBK with 1% Aliquot 336 is added. Au is extracted into organic phase with mixing and determined using extracted standards with an AAS.

EL7266 1993 GEOCHEMICAL SAMPLE DETAILS

LAB BATCH	LAB	TENEMENT	SIZE	SAMPLE	SAMPLE	AMG	AMG	AMG	AREA	Cu	Zn	Pb	Fe	Mn	Ars	Ag
CODE	NAME	NUMBER	FRACTION	NUMBER	TYPE	EASTING	NORTHING	ZONE		ppm	ppm	ppm	ppm	ppm	ppm	ppm
AC 10468	Assaycorp	EL7266	+20#-2mm	EH1276	SSD	567660	8252810	53	AREA 1	160	12	62	161000	6500	90	<0.5
AC 10468	Assaycorp	EL7266	+20#-2mm	EH1277	SSD	567970	8253050	53	AREA 2	51	15	18	44400	1380	44	<0.5
AC 10468	Assaycorp	EL7266		EH1278	ROCK	567680	8253610	53	AREA 3	51	13	7	60500	3560	6	<0.5
AC 10468	Assaycorp	EL7266		EH1279	ROCK	566680	8254000	53	AREA 4	13	9	6	15500	412	3	<0.5
AC 10398	Assaycorp	EL7266		EH1275	ROCK	567540	8252960	53	AREA 5	8	10	8	42300	3050	48	<0.5

SOIL SAMPLE ANALYSIS DESCRIPTION

Scheme Code: GP031

Sample preparation of soil samples; dry, fine pulverise

Scheme Code: D140

Aqua regia/perchloric acid digest (0.3g sample)

Scheme Code: GA140

AAS determination

Cu: Copper

Pb: Lead

Zn: Zinc

Fe: Iron

Mn: Manganese

ROCK, DRILL CORE, DRILL CHIP ANALYSIS DESCRIPTION

Scheme Code: GP033

Sample preparation of drill core/rock samples; dry, jaw crush, fine pulverise

Scheme Code: D140

Aqua regia/perchloric acid digest (0.3g sample)

Scheme Code: GI140

ICPOES determination

Cu: Copper
Pb: Lead
Zn: Zinc
Fe: Iron
Mn: Manganese
As: Arsenic
Ni: Nickel
Co: Cobalt
Mo: Molybdenum
Cr: Chromium
P : Phosphorus
V : Vanadium
Cd: Cadmium
Ag: Silver

EL7266 SOIL SAMPLE DETAILS

LAB BATCH	LAB	TENEMENT	SAMPLE	SIZE	AMG	AMG	AMG	AREA	Cu	Pb	Zn	Mn	Fe
CODE	NAME	NUMBER	NUMBER	FRACTION	EASTING	NORTHING	ZONE		ppm	ppm	ppm	ppm	ppm
29756	Analabs	E7266	EI4401	-80 Mesh	566571	8254500	53	AREA 1	13	10	6	30000	1530
29756	Analabs	E7266	EI4402	-80 Mesh	566471	8254499	53	AREA 1	23	5	8	20200	358
29756	Analabs	E7266	EI4404	-80 Mesh	566371	8254499	53	AREA 1	11	7	8	13200	1040
29756	Analabs	E7266	EI4403	-80 Mesh	566271	8254499	53	AREA 1	9	-2	6	8600	485
29756	Analabs	E7266	EI4407	-80 Mesh	566171	8254499	53	AREA 1	11	-2	5	10300	463
29756	Analabs	E7266	EI4409	-80 Mesh	566071	8254499	53	AREA 1	2	-2	6	4000	27
29756	Analabs	E7266	EI4411	-80 Mesh	567666	8252483	53	AREA 1	42	14	17	27400	940
29756	Analabs	E7266	EI4413	-80 Mesh	567566	8252486	53	AREA 1	27	11	13	23400	443
29756	Analabs	E7266	EI4415	-80 Mesh	567466	8252490	53	AREA 1	28	8	6	19900	326
29756	Analabs	E7266	EI4414	-80 Mesh	567366	8252493	53	AREA 1	31	7	4	23800	750
29756	Analabs	E7266	EI4424	-80 Mesh	567266	8252498	53	AREA 1	50	6	4	23400	970
29756	Analabs	E7266	EI4423	-80 Mesh	567166	8242500	53	AREA 1	7	8	-3	19700	495
29756	Analabs	E7266	EI4422	-80 Mesh	567068	8252503	53	AREA 1	2	-2	-3	8800	294
29756	Analabs	E7266	EI4421	-80 Mesh	566968	8252506	53	AREA 1	3	-2	-3	6600	88
29756	Analabs	E7266	EI4420	-80 Mesh	567765	8252480	53	AREA 1	128	12	9	21500	870
29756	Analabs	E7266	EI4419	-80 Mesh	566866	8252510	53	AREA 1	4	5	-3	6000	190
29756	Analabs	E7266	EI4418	-80 Mesh	566766	8252513	53	AREA 1	3	-2	3	6400	170
29756	Analabs	E7266	EI4417	-80 Mesh	567680	8253443	53	AREA 1	51	10	8	35100	1370
29756	Analabs	E7266	EI4432	-80 Mesh	567580	8253445	53	AREA 1	40	13	14	33600	1130
29756	Analabs	E7266	EI4431	-80 Mesh	567480	8253447	53	AREA 1	30	11	5	30300	600
29756	Analabs	E7266	EI4430	-80 Mesh	567380	8253450	53	AREA 1	72	11	10	33600	1050
29756	Analabs	E7266	EI4429	-80 Mesh	567280	8253452	53	AREA 1	167	12	8	42800	2600
29756	Analabs	E7266	EI4428	-80 Mesh	567180	8253454	53	AREA 1	164	10	6	34900	1040
29756	Analabs	E7266	EI4427	-80 Mesh	567080	8253457	53	AREA 1	36	10	4	29000	1450
29756	Analabs	E7266	EI4426	-80 Mesh	566980	8253459	53	AREA 1	49	10	4	25300	1240
29756	Analabs	E7266	EI4425	-80 Mesh	566980	8253459	53	AREA 1	50	10	7	25900	1280
29756	Analabs	E7266	EI4440	-80 Mesh	566880	8253461	53	AREA 1	5	7	-3	16900	540
29756	Analabs	E7266	EI4439	-80 Mesh	566780	8253464	53	AREA 1	7	5	3	14900	372
29756	Analabs	E7266	EI4438	-80 Mesh	566680	8253466	53	AREA 1	3	-2	3	11100	124
29756	Analabs	E7266	EI4437	-80 Mesh	566580	8253469	53	AREA 1	4	12	5	15300	129
29756	Analabs	E7266	EI4436	-80 Mesh	566480	8253471	53	AREA 1	7	7	5	21100	680
29756	Analabs	E7266	EI4435	-80 Mesh	566380	8243473	53	AREA 1	10	7	5	16400	1880
29756	Analabs	E7266	EI4434	-80 Mesh	566280	8253476	53	AREA 1	3	5	7	10300	233
29756	Analabs	E7266	EI4433	-80 Mesh	566180	8254378	53	AREA 1	4	-2	3	9600	371

EL7266 SOIL SAMPLE DETAILS

LAB BATCH	LAB	TENEMENT	SAMPLE	SIZE	AMG	AMG	AMG	AREA	Cu	Pb	Zn	Mn	Fe
CODE	NAME	NUMBER	NUMBER	FRACTION	EASTING	NORTHING	ZONE		ppm	ppm	ppm	ppm	ppm
29756	Analabs	E7266	EI4472	-80 Mesh	567071	8254500	53	AREA 1	26	10	10	25600	530
29756	Analabs	E7266	EI4471	-80 Mesh	566971	8254500	53	AREA 1	42	12	8	24800	317
29756	Analabs	E7266	EI4470	-80 Mesh	566871	8254500	53	AREA 1	30	12	23	28900	880
29756	Analabs	E7266	EI4469	-80 Mesh	566771	8254500	53	AREA 1	35	10	19	29100	1000
29756	Analabs	E7266	EI4468	-80 Mesh	566671	8254500	53	AREA 1	74	14	8	44200	2250
29756	Analabs	E7266	EI4467	-80 Mesh	572530	8243698	53	AREA 2	10	-2	3	5000	135
29756	Analabs	E7266	EI4466	-80 Mesh	572530	8243498	53	AREA 2	7	7	6	9400	312
29756	Analabs	E7266	EI4465	-80 Mesh	572530	8243498	53	AREA 2	58	8	5	10300	690
29756	Analabs	E7266	EI4489	-80 Mesh	572530	8243398	53	AREA 2	24	6	5	8700	370
29756	Analabs	E7266	EI4488	-80 Mesh	572530	8243298	53	AREA 2	82	8	5	10300	229
29756	Analabs	E7266	EI4487	-80 Mesh	572530	8243198	53	AREA 2	58	12	3	14900	85
29756	Analabs	E7266	EI4486	-80 Mesh	572530	8243098	53	AREA 2	69	11	3	12600	530
29756	Analabs	E7266	EI4485	-80 Mesh	572530	8242998	53	AREA 2	13	-2	3	6500	93
29756	Analabs	E7266	EI4484	-80 Mesh	572008	8242812	53	AREA 2	13	9	-3	4700	151
29756	Analabs	E7266	EI4483	-80 Mesh	572006	8242912	53	AREA 2	18	5	4	6400	246
29756	Analabs	E7266	EI4482	-80 Mesh	572004	8243012	53	AREA 2	61	22	-3	34200	1020
29756	Analabs	E7266	EI4500	-80 Mesh	572002	8243112	53	AREA 2	13	12	3	26400	1650
29756	Analabs	E7266	EI4499	-80 Mesh	572000	8243212	53	AREA 2	52	20	3	23600	630
29756	Analabs	E7266	EI4498	-80 Mesh	571998	8243312	53	AREA 2	13	11	3	23200	202
29756	Analabs	E7266	EI4497	-80 Mesh	571997	8243412	53	AREA 2	42	14	7	24500	540
29756	Analabs	E7266	EI4496	-80 Mesh	571995	8243512	53	AREA 2	14	11	4	14100	198
29756	Analabs	E7266	EI4495	-80 Mesh	571992	8243612	53	AREA 2	23	11	5	15400	510
29756	Analabs	E7266	EI4494	-80 Mesh	571991	8243712	53	AREA 2	23	16	5	18800	1340
29756	Analabs	E7266	EI4493	-80 Mesh	572530	8243798	53	AREA 2	13	-2	-3	5400	37
29756	Analabs	E7266	EI4492	-80 Mesh	572530	8242896	53	AREA 2	12	-2	4	4700	155
29756	Analabs	E7266	EI4491	-80 Mesh	572530	8242798	53	AREA 2	6	-2	-3	4200	108
29756	Analabs	E7266	EI4490	-80 Mesh	572530	8242698	53	AREA 2	7	5	3	8500	61
29756	Analabs	E7266	EI4481	-80 Mesh	572530	8242498	53	AREA 2	31	9	5	9200	469
29756	Analabs	E7266	EI4480	-80 Mesh	572530	8242498	53	AREA 2	7	11	7	31900	1240
29756	Analabs	E7266	EI4479	-80 Mesh	572430	8242398	53	AREA 2	9	8	6	14400	178
29756	Analabs	E7266	EI4478	-80 Mesh	572530	8242298	53	AREA 2	6	10	6	17200	193
29756	Analabs	E7266	EI4477	-80 Mesh	572010	8242712	53	AREA 2	11	7	-3	5500	185
29756	Analabs	E7266	EI4476	-80 Mesh	572011	8242612	53	AREA 2	9	11	-3	24100	1310
29756	Analabs	E7266	EI4475	-80 Mesh	572013	8242512	53	AREA 2	69	25	6	28300	1150

EL7266 SOIL SAMPLE DETAILS

LAB BATCH	LAB	TENEMENT	SAMPLE	SIZE	AMG	AMG	AMG	AREA	Cu	Pb	Zn	Mn	Fe
CODE	NAME	NUMBER	NUMBER	FRACTION	EASTING	NORTHING	ZONE		ppm	ppm	ppm	ppm	ppm
29756	Analabs	E7266	EI4473	-80 Mesh	572015	8242412	53	AREA 2	150	20	8	31700	4100
29756	Analabs	E7266	EI4464	-80 Mesh	571522	8242514	53	AREA 2	41	10	4	19900	1810
29756	Analabs	E7266	EI4463	-80 Mesh	571517	8242614	53	AREA 2	19	16	3	22000	620
29756	Analabs	E7266	EI4462	-80 Mesh	571511	8242714	53	AREA 2	10	7	-3	14400	309
29756	Analabs	E7266	EI4461	-80 Mesh	571506	8242814	53	AREA 2	7	8	-3	57600	277
29756	Analabs	E7266	EI4460	-80 Mesh	571500	8242913	53	AREA 2	10	8	-3	22130	500
29756	Analabs	E7266	EI4459	-80 Mesh	571495	8243013	53	AREA 2	309	20	4	34100	750
29756	Analabs	E7266	EI4458	-80 Mesh	571489	8243113	53	AREA 2	61	10	5	14900	500
29756	Analabs	E7266	EI4457	-80 Mesh	571484	8243213	53	AREA 2	44	6	5	9400	477
29756	Analabs	E7266	EI4456	-80 Mesh	571478	8243313	53	AREA 2	13	11	3	11300	131
29756	Analabs	E7266	EI4455	-80 Mesh	571473	8243413	53	AREA 2	9	-2	3	5500	24
29756	Analabs	E7266	EI4454	-80 Mesh	571467	8243513	53	AREA 2	5	-2	-3	3500	125
29756	Analabs	E7266	EI4453	-80 Mesh	573830	8209500	53	AREA 3	3	9	11	10500	172
29756	Analabs	E7266	EI4452	-80 Mesh	573830	8209600	53	AREA 3	2	-2	9	6800	129
29756	Analabs	E7266	EI4451	-80 Mesh	573830	8209800	53	AREA 3	8	-2	6	8400	64
29756	Analabs	E7266	EI4450	-80 Mesh	573830	8209700	53	AREA 3	2	-2	6	8000	137
29756	Analabs	E7266	EI4449	-80 Mesh	573829	8210100	53	AREA 3	25	-2	3	13000	610
29756	Analabs	E7266	EI4448	-80 Mesh	573829	8210300	53	AREA 3	4	-2	6	11700	158
29756	Analabs	E7266	EI4447	-80 Mesh	573829	8210500	53	AREA 3	6	6	6	24300	240
29756	Analabs	E7266	EI4446	-80 Mesh	575188	8210391	53	AREA 3	4	-2	3	20300	117
29756	Analabs	E7266	EI4445	-80 Mesh	575184	8210191	53	AREA 3	5	-2	5	11200	215
29756	Analabs	E7266	EI4444	-80 Mesh	575186	8210291	53	AREA 3	3	6	6	14500	1090
29756	Analabs	E7266	EI4443	-80 Mesh	576210	8208587	53	AREA 3	3	-2	4	8900	238
29756	Analabs	E7266	EI4442	-80 Mesh	575171	8209491	53	AREA 3	2	-2	5	9200	196
29756	Analabs	E7266	EI4441	-80 Mesh	575173	8209591	53	AREA 3	5	-2	4	10700	409
29756	Analabs	E7266	EI4416	-80 Mesh	575173	8209591	53	AREA 3	4	-2	3	10900	419
29756	Analabs	E7266	EI4412	-80 Mesh	575175	8209691	53	AREA 3	50	9	5	17100	1090
29756	Analabs	E7266	EI4410	-80 Mesh	575176	8209791	53	AREA 3	12	-2	4	7300	223
29756	Analabs	E7266	EI4408	-80 Mesh	575178	8209891	53	AREA 3	89	22	6	23600	1420
29756	Analabs	E7266	EI4406	-80 Mesh	575180	8210491	53	AREA 3	222	41	11	46100	4500
29756	Analabs	E7266	EI4405	-80 Mesh	576735	8209191	53	AREA 3	58	8	5	19800	1100
29756	Analabs	E7266	EI4511	-80 Mesh	576669	8209115	53	AREA 3	10	11	7	26600	1550
29756	Analabs	E7266	EI4512	-80 Mesh	576604	8209040	53	AREA 3	39	16	6	16100	1190
29756	Analabs	E7266	EI4513	-80 Mesh	576538	8208964	53	AREA 3	37	9	6	23100	1130

EL7266 SOIL SAMPLE DETAILS

LAB BATCH	LAB	TENEMENT	SAMPLE	SIZE	AMG	AMG	AMG	AREA	Cu	Pb	Zn	Mn	Fe
CODE	NAME	NUMBER	NUMBER	FRACTION	EASTING	NORTHING	ZONE		ppm	ppm	ppm	ppm	ppm
29756	Analabs	E7266	EI4514	-80 Mesh	576472	8208889	53	AREA 3	55	8	11	25900	1980
29756	Analabs	E7266	EI4515	-80 Mesh	576407	8208813	53	AREA 3	3	6	7	21200	434
29756	Analabs	E7266	EI4516	-80 Mesh	576341	8208738	53	AREA 3	3	-2	14	8500	152
29756	Analabs	E7266	EI4517	-80 Mesh	576276	8208662	53	AREA 3	4	-2	5	17700	210
29756	Analabs	E7266	EI4518	-80 Mesh	576866	8209342	53	AREA 3	4	-2	6	13200	440
29756	Analabs	E7266	EI4519	-80 Mesh	576800	8209266	53	AREA 3	10	-2	5	13800	720
29756	Analabs	E7266	EI4520	-80 Mesh	575182	8210091	53	AREA 3	41	-2	5	9200	334
29756	Analabs	E7266	EI4521	-80 Mesh	575190	8210491	53	AREA 3	4	5	5	13100	95
29756	Analabs	E7266	EI4522	-80 Mesh	573829	8210400	53	AREA 3	5	-2	3	16500	71
29756	Analabs	E7266	EI4523	-80 Mesh	573829	8210200	53	AREA 3	13	7	5	15900	1030
29756	Analabs	E7266	EI4524	-80 Mesh	573830	8210000	53	AREA 3	75	5	6	10600	510
29756	Analabs	E7266	EI4525	-80 Mesh	573830	8209900	53	AREA 3	69	6	3	17300	1130

EL7266 ROCK SAMPLE DETAILS

LAB BATCH	LAB	TENEMENT	SAMPLE	AMG	AMG	AMG	ROCK	AREA	Cu	Zn	Pb	Ni	Fe	Mn	As	Ag	Mo	Co	Cr	P	Cd	V
CODE	NAME	NUMBER	NUMBER	EASTING	NORTHING	ZONE	TYPE		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
29756	Analabs	E7266	DD1301	566071	8254499	53	SNST	AREA 1	5	8	7	11	15700	127	5	<0.2	<2	3	182	85	<0.5	40
29756	Analabs	E7266	DD1302	566160	8254515	53	SNST	AREA 1	4	3	6	6	11600	125	3	<0.2	2	2	182	320	<0.5	24
29756	Analabs	E7266	DD1304	566986	8254528	53	DOAS	AREA 1	6	6	5	8	19800	700	4	<0.2	<2	7	157	157	<0.5	29
29756	Analabs	E7266	DD1303	566843	8254519	53	SIST	AREA 1	8	5	7	19	17500	421	7	<0.2	2	6	217	112	<0.5	32
29756	Analabs	E7266	DD1307	571997	8243412	53	SIST	AREA 2	34	8	<0.5	12	29100	1580	8	<0.2	<2	11	98	116	<0.5	47
29756	Analabs	E7266	DD1309	571506	8242814	53	SNST	AREA 2	159	7	9	14	38700	2619	25	<0.2	<2	15	59	93	<0.5	54
29756	Analabs	E7266	DD1308	571998	8243312	53	ROCK	AREA 2	160	8	9	11	32800	1076	22	<0.2	<2	9	80	119	<0.5	48
29756	Analabs	E7266	DD1306	572528	8243328	53	SIST	AREA 2	47	7	5	10	24500	1331	6	<0.2	<2	10	96	129	<0.5	37
29756	Analabs	E7266	DD1305	572525	8253215	53	SIST	AREA 2	49	7	7	11	26200	1380	12	<0.2	<2	10	111	134	<0.5	41

APPENDIX 4

QUESTEM Profiles - EL 7300

AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 20150
 flight no. 50
 direction 270
 date flown 29jun92
 time flown 07:34:45.00 07:46:18.00
 fiducial no. 744 1437
 line location 8207755 8207671
 client BHP
 job 1297
 area Borroloola
 scale 1:50000

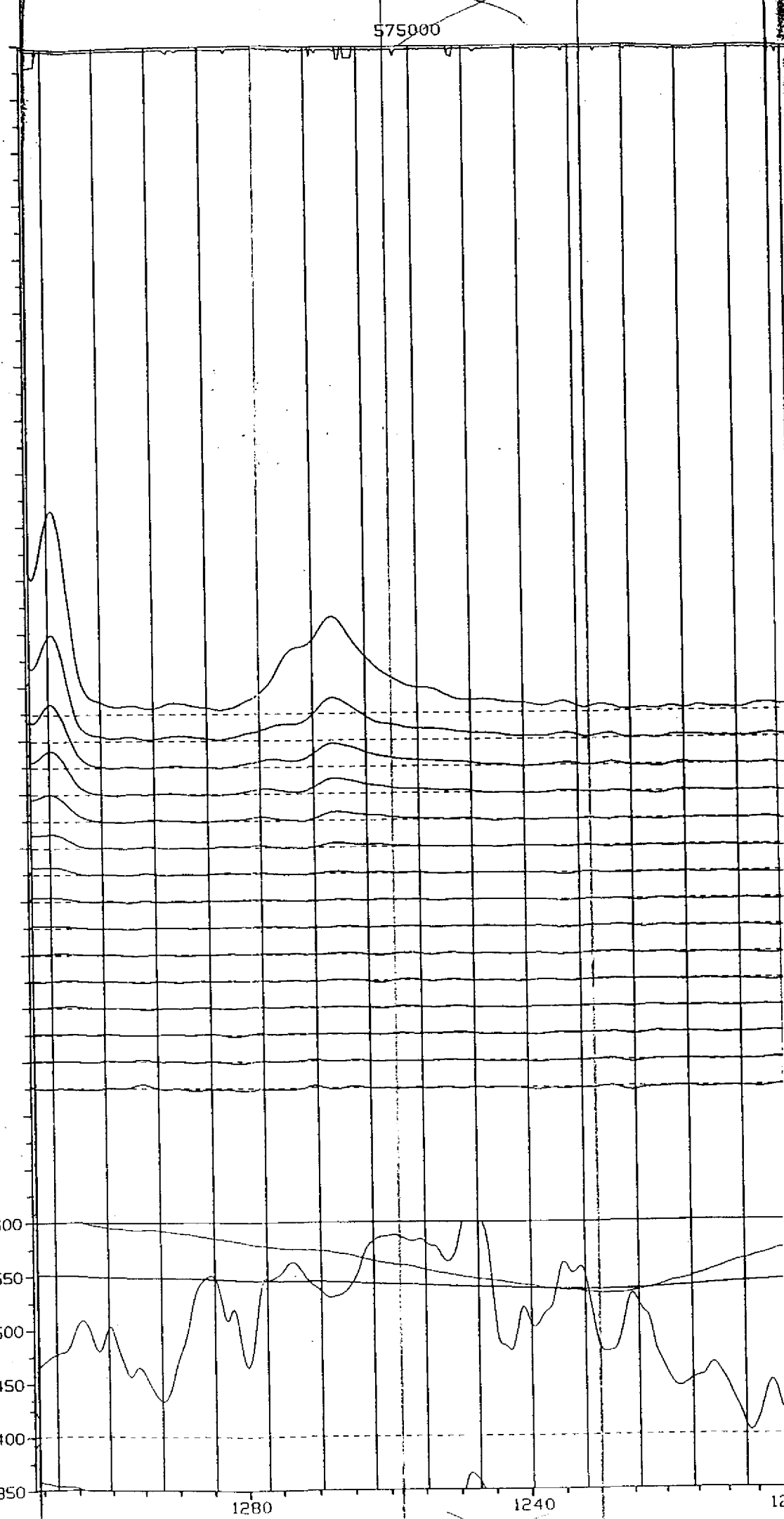
time constant (1msec/cm)

ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

altitude
 200
 180
 160
 140
 120
 100

magnetics fine
 48650
 48640
 48630
 48620
 48610
 48600

magnetics coarse
 48600
 48550
 48500
 48450
 48400
 48350



AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 11150

flight no. 8

direction 270

date flown 03jun92

time flown 09:22:30.00 09:26:34.00

fiducial no. 2635

line location 8253935 8253981

client BHP

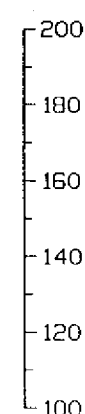
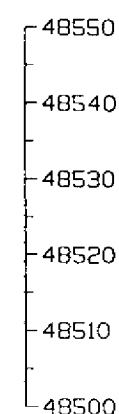
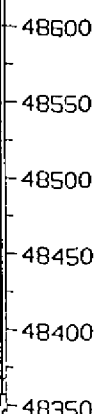
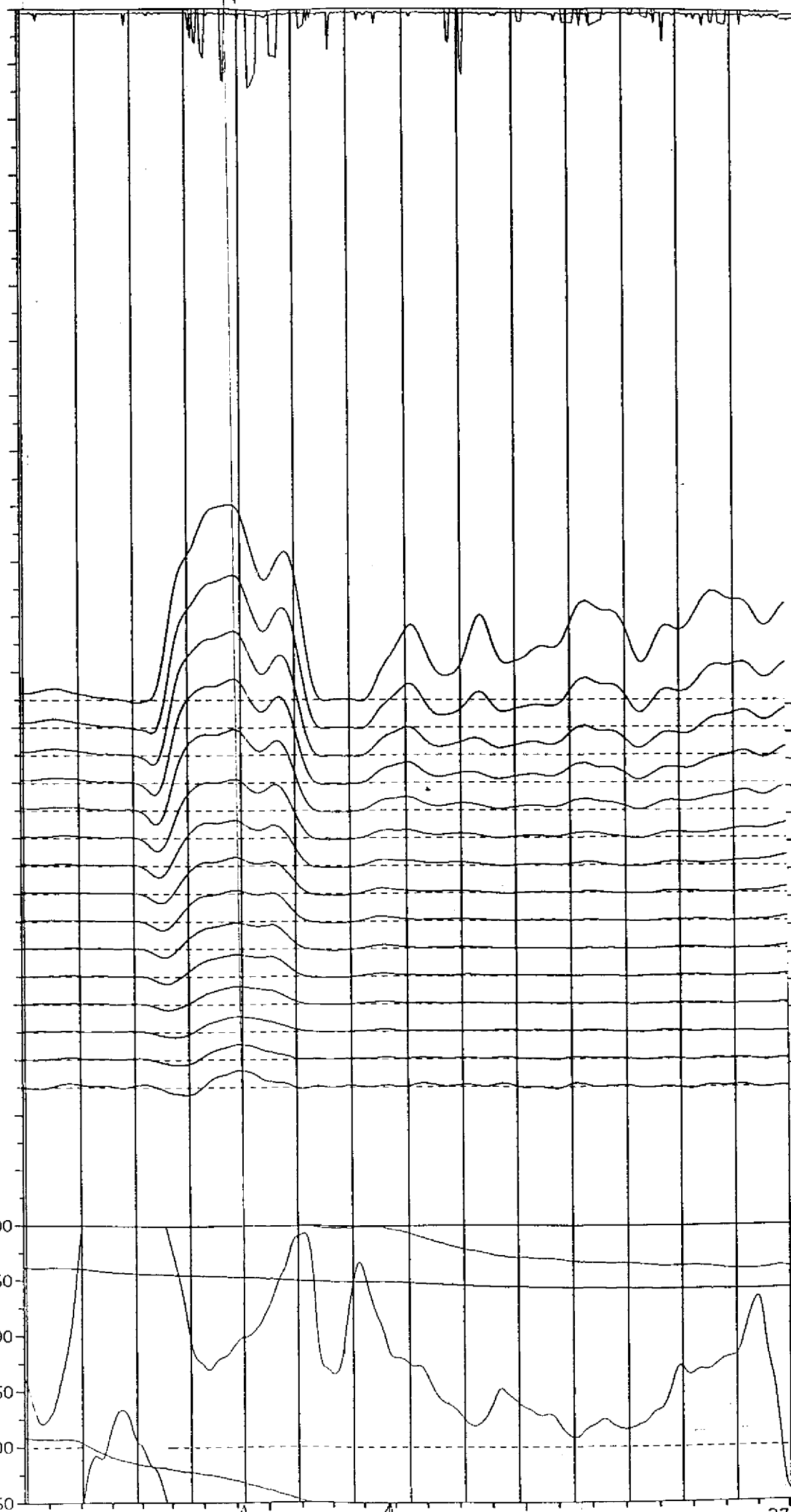
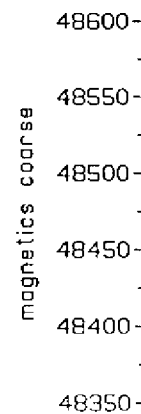
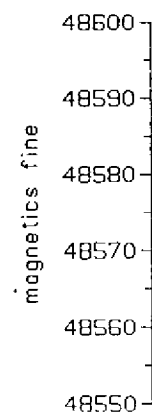
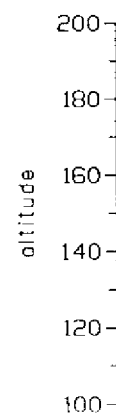
job 1297

area Borroloola

scale 1:50000

amg metres
spherics/powerline
time constant (1msec/cm)

ch 1	0.247ms	3200ppm/cm
ch 2	0.351ms	3000ppm/cm
ch 3	0.455ms	2800ppm/cm
ch 4	0.559ms	2600ppm/cm
ch 5	0.715ms	2400ppm/cm
ch 6	0.924ms	2200ppm/cm
ch 7	1.131ms	2000ppm/cm
ch 8	1.393ms	1800ppm/cm
ch 9	1.601ms	1600ppm/cm
ch 10	1.861ms	1400ppm/cm
ch 11	2.174ms	1200ppm/cm
ch 12	2.643ms	1000ppm/cm
ch 13	3.163ms	800ppm/cm
ch 14	3.684ms	600ppm/cm
ch 15	4.101ms	400ppm/cm



AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no.	11170
flight no.	8
direction	90
date flown	03jun92
time flown	09:17:03.00
fiducial no.	2383
line location	8253004
client	BHP
job	1297
area	Borroloola
scale	1:50000

altitude

magnetics fine

magnetics coarse

48550
48540
48530
48520
48510
48500

200
180
160
140
120
100

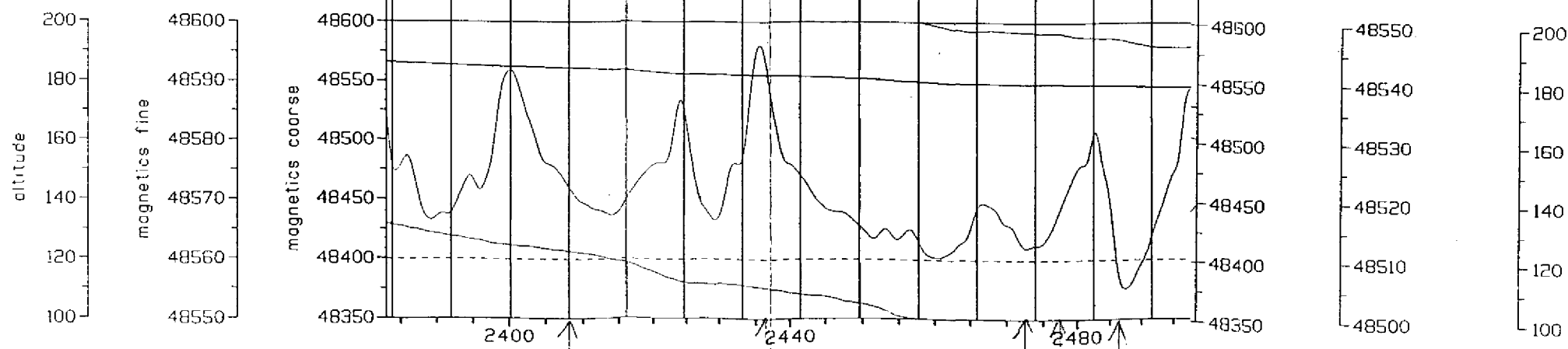
ch 1	0.247ms	3200ppm/cm
ch 2	0.351ms	3000ppm/cm
ch 3	0.455ms	2800ppm/cm
ch 4	0.559ms	2600ppm/cm
ch 5	0.715ms	2400ppm/cm
ch 6	0.924ms	2200ppm/cm
ch 7	1.131ms	2000ppm/cm
ch 8	1.393ms	1800ppm/cm
ch 9	1.601ms	1600ppm/cm
ch 10	1.861ms	1400ppm/cm
ch 11	2.174ms	1200ppm/cm
ch 12	2.643ms	1000ppm/cm
ch 13	3.163ms	800ppm/cm
ch 14	3.684ms	600ppm/cm
ch 15	4.101ms	400ppm/cm

time constant (1msec/cm)

amg metres
spherics/powerline

540000

0



AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 11180
 flight no. 8
 direction 270
 date flown 03 Jun 92
 time flown 09:11:30.00
 fiducial no. 2135
 line location 8252003
 client BHP
 job 1297
 area Borroloola
 scale 1:50000

09:15:31.00
 2376
 8251933

altitude
 200
 180
 160
 140
 120
 100

magnetics fine
 48600
 48590
 48580
 48570
 48560
 48550

magnetics coarse
 48600
 48550
 48500
 48450
 48400
 48350

2360

2320

2280

48600
 48550
 48500
 48450
 48400
 48350

48550
 48540
 48530
 48520
 48510
 48500

200
 180
 160
 140
 120
 100

ch 1 0.247ms 3200ppm/cm
 ch 2 0.351ms 3000ppm/cm
 ch 3 0.455ms 2800ppm/cm
 ch 4 0.559ms 2600ppm/cm
 ch 5 0.715ms 2400ppm/cm
 ch 6 0.924ms 2200ppm/cm
 ch 7 1.131ms 2000ppm/cm
 ch 8 1.393ms 1800ppm/cm
 ch 9 1.601ms 1600ppm/cm
 ch 10 1.861ms 1400ppm/cm
 ch 11 2.174ms 1200ppm/cm
 ch 12 2.643ms 1000ppm/cm
 ch 13 3.163ms 800ppm/cm
 ch 14 3.684ms 600ppm/cm
 ch 15 4.101ms 400ppm/cm

time constant (1msec/cm)

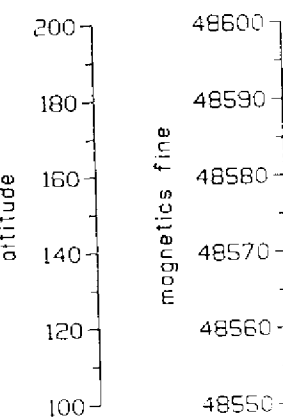
amg metres
 spherics/powerline

540000

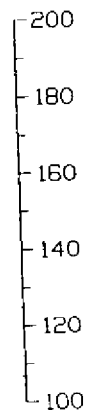
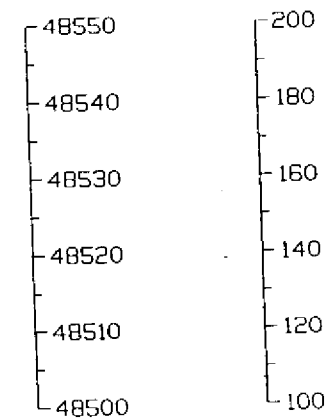
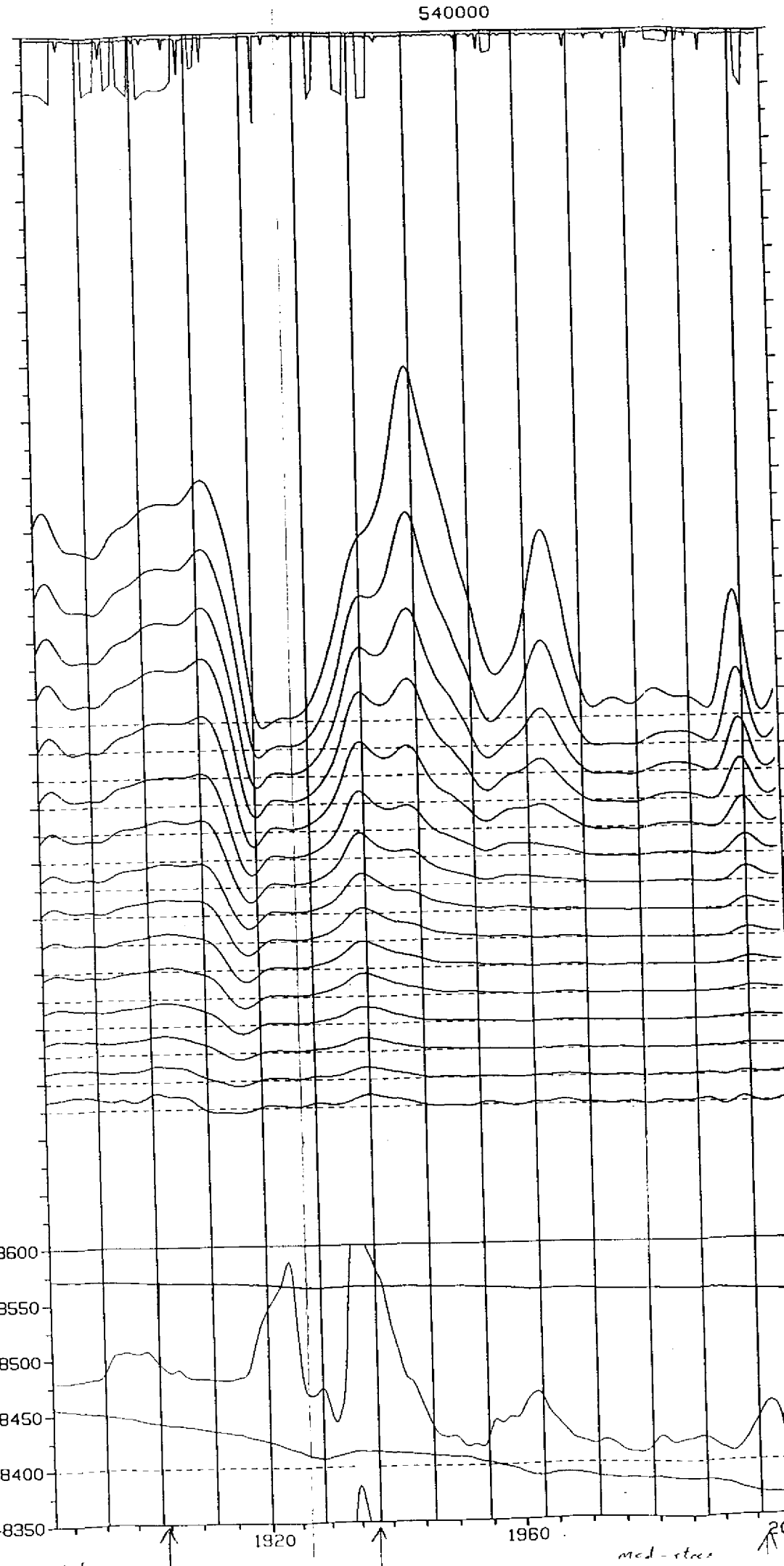
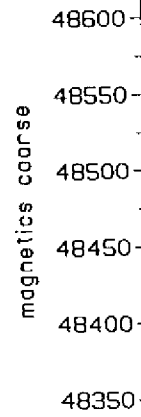
AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 11190
 flight no. 8
 direction 90
 date flown 03 Jun 92
 time flown 09:05:20.00 09:09:26.00
 fiducial no. 1887 2133
 line location 8251048 8251006
 client BHP
 job 1297
 area Borraobola
 scale 1:50000



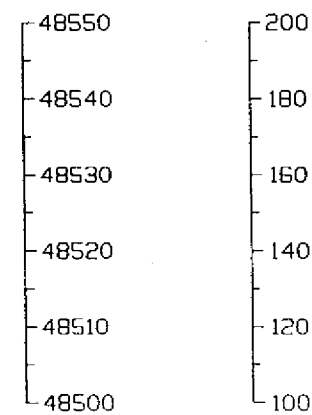
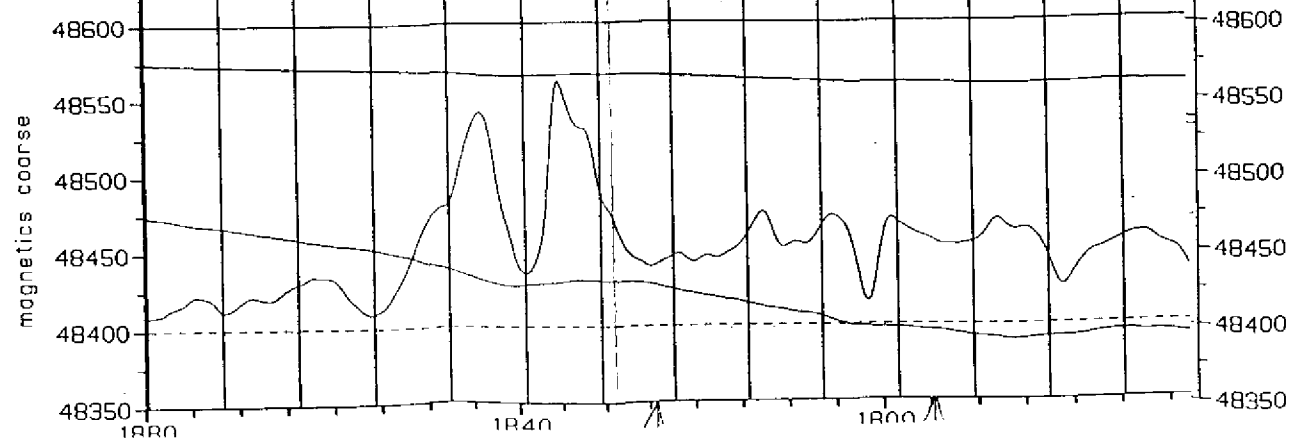
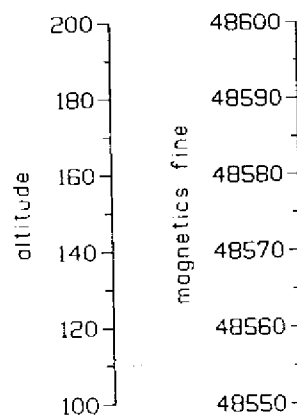
ch 1	0.247ms	3200ppm/cm
ch 2	0.351ms	3000ppm/cm
ch 3	0.455ms	2800ppm/cm
ch 4	0.559ms	2600ppm/cm
ch 5	0.715ms	2400ppm/cm
ch 6	0.924ms	2200ppm/cm
ch 7	1.131ms	2000ppm/cm
ch 8	1.393ms	1800ppm/cm
ch 9	1.601ms	1600ppm/cm
ch 10	1.861ms	1400ppm/cm
ch 11	2.174ms	1200ppm/cm
ch 12	2.643ms	1000ppm/cm
ch 13	3.163ms	800ppm/cm
ch 14	3.684ms	600ppm/cm
ch 15	4.101ms	400ppm/cm



AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 11200
 flight no. 8
 direction 270
 date flown 03jun92
 time flown 08:59:58.00 09:03:56.00
 fiducial no. 1642
 line location 8249998 8249991
 client BHP
 job 1297
 area Borroloola
 scale 1:50000

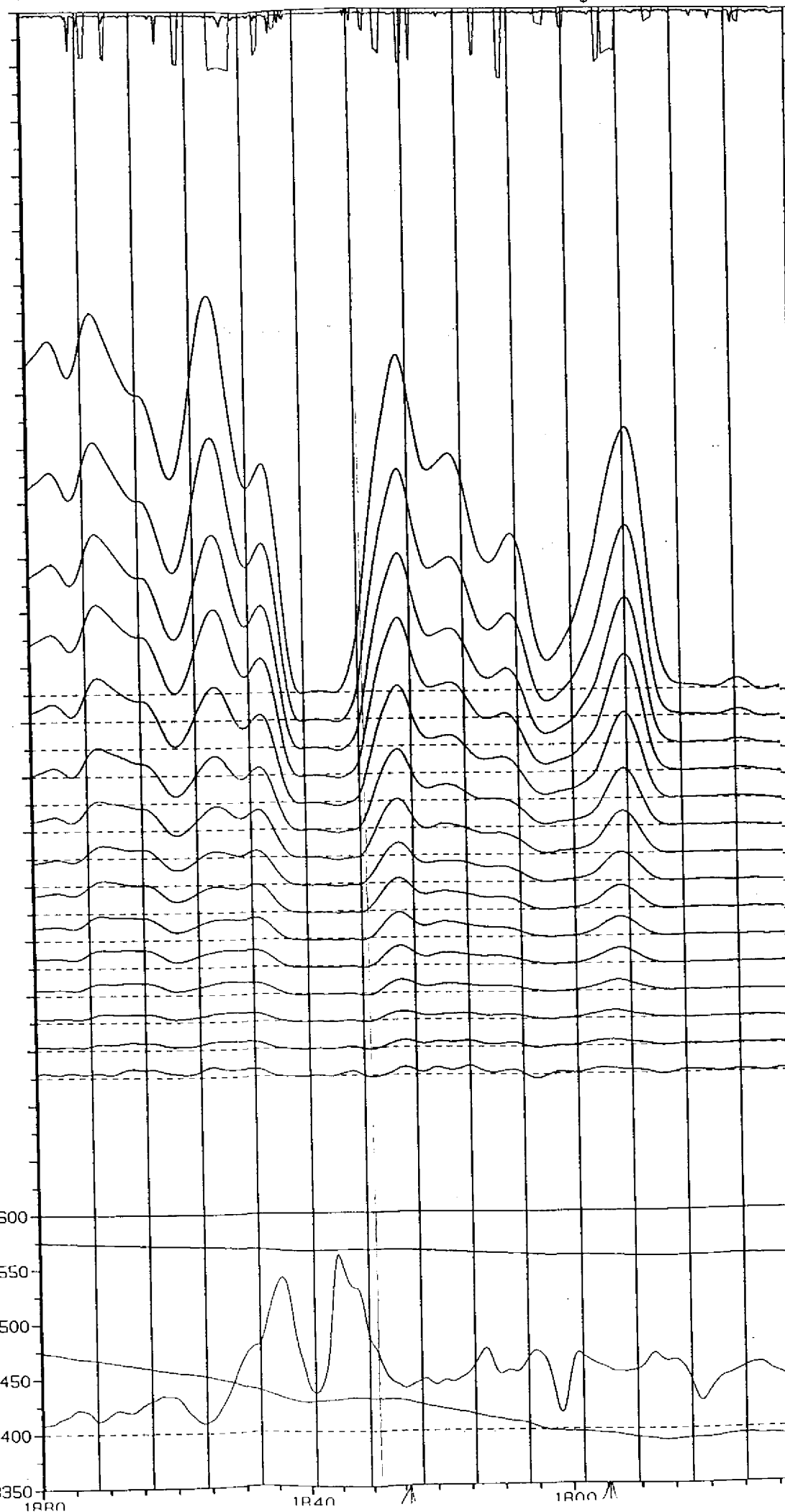


ch 1	0.247ms	3200ppm/cm
ch 2	0.351ms	3000ppm/cm
ch 3	0.455ms	2800ppm/cm
ch 4	0.559ms	2600ppm/cm
ch 5	0.715ms	2400ppm/cm
ch 6	0.924ms	2200ppm/cm
ch 7	1.131ms	2000ppm/cm
ch 8	1.393ms	1800ppm/cm
ch 9	1.601ms	1600ppm/cm
ch 10	1.861ms	1400ppm/cm
ch 11	2.174ms	1200ppm/cm
ch 12	2.643ms	1000ppm/cm
ch 13	3.163ms	800ppm/cm
ch 14	3.684ms	600ppm/cm
ch 15	4.101ms	400ppm/cm

time constant (1msec/cm)

cmg metres
 spherics/powerline

540000



AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 11210
 flight no. 8
 direction 90
 date flown 03jun92
 time flown 08:54:27.00 08:58:19.00
 fiducial no. 1408
 line location 8249037 8249039
 client BHP
 job 1297
 area Borraloala
 scale 1:50000

altitude
 200
 180
 160
 140
 120
 100

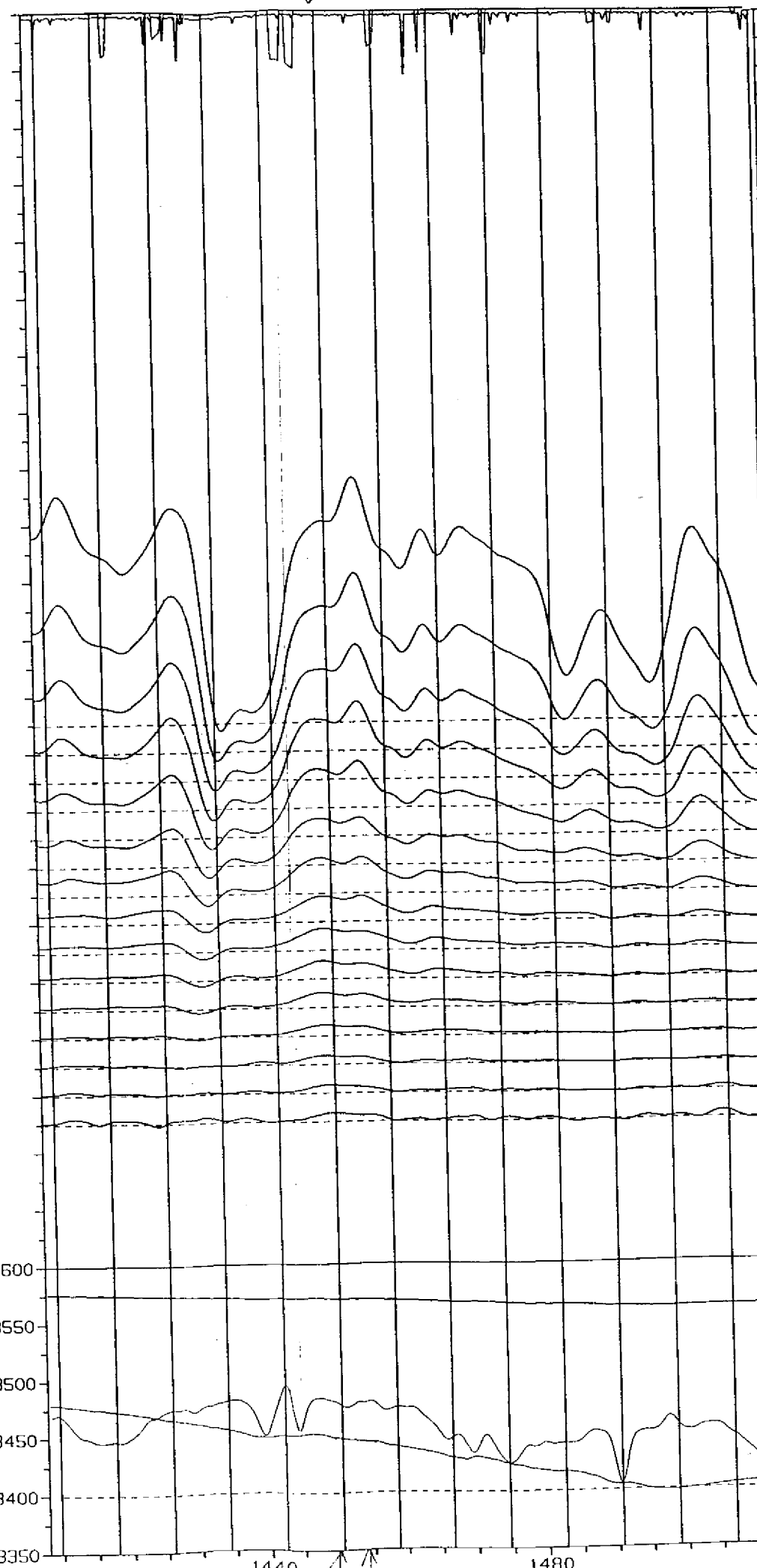
magnetics fine
 48600
 48590
 48580
 48570
 48560
 48550

magnetics coarse
 48600
 48550
 48500
 48450
 48400
 48350

ch 1 0.247ms 3200ppm/cm
 ch 2 0.351ms 3000ppm/cm
 ch 3 0.455ms 2800ppm/cm
 ch 4 0.559ms 2600ppm/cm
 ch 5 0.715ms 2400ppm/cm
 ch 6 0.924ms 2200ppm/cm
 ch 7 1.131ms 2000ppm/cm
 ch 8 1.393ms 1800ppm/cm
 ch 9 1.601ms 1600ppm/cm
 ch 10 1.861ms 1400ppm/cm
 ch 11 2.174ms 1200ppm/cm
 ch 12 2.643ms 1000ppm/cm
 ch 13 3.163ms 800ppm/cm
 ch 14 3.684ms 600ppm/cm
 ch 15 4.101ms 400ppm/cm

time constant (1msec/cm)

omg metres
 spherics/powerline



48550
 48540
 48530
 48520
 48510
 48500

200
 180
 160
 140
 120
 100

AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

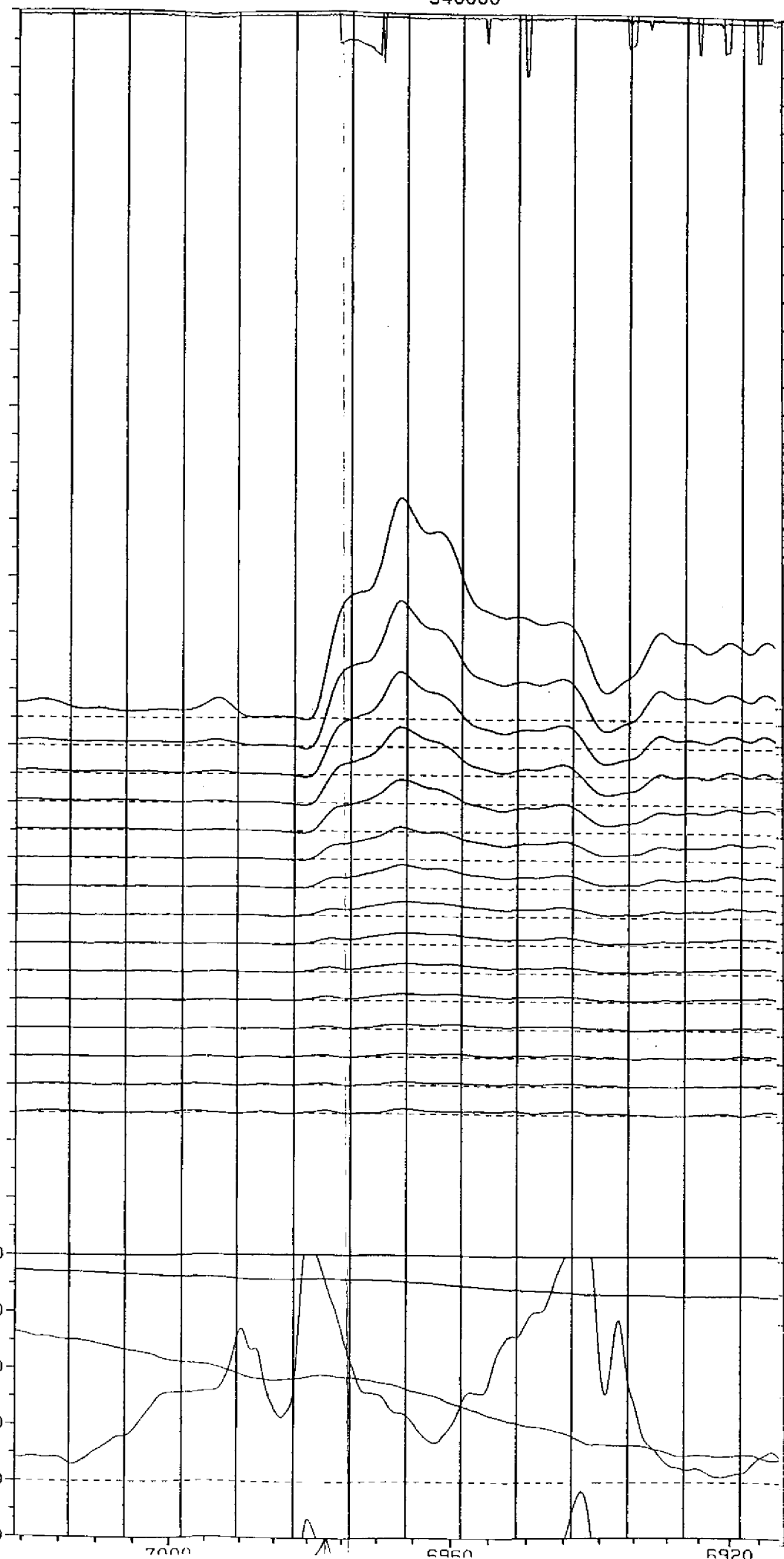
line no.	11221
flight no.	48
direction	270
date flown	28jun92
time flown	13:24:43.00 13:28:51.00
fiducial no.	6773 7021
line location	8248019 8248013
client	BHP
job	1297
area	Borroloola
scale	1:50000

ch 1	0.247ms	3200ppm/cm
ch 2	0.351ms	3000ppm/cm
ch 3	0.455ms	2800ppm/cm
ch 4	0.559ms	2600ppm/cm
ch 5	0.715ms	2400ppm/cm
ch 6	0.924ms	2200ppm/cm
ch 7	1.131ms	2000ppm/cm
ch 8	1.393ms	1800ppm/cm
ch 9	1.601ms	1600ppm/cm
ch 10	1.861ms	1400ppm/cm
ch 11	2.174ms	1200ppm/cm
ch 12	2.643ms	1000ppm/cm
ch 13	3.163ms	800ppm/cm
ch 14	3.684ms	600ppm/cm
ch 15	4.101ms	400ppm/cm

altitude

magnetics fine

magnetics coarse



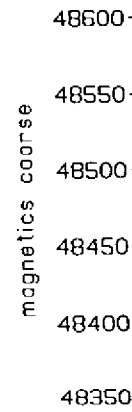
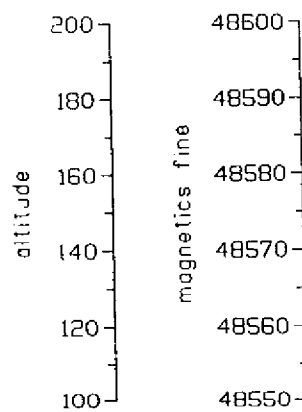
48550
48540
48530
48520
48510
48500

200
180
160
140
120
100

AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

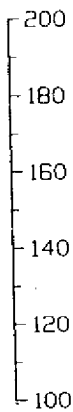
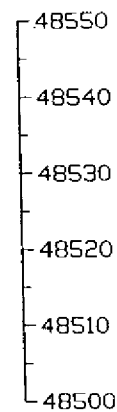
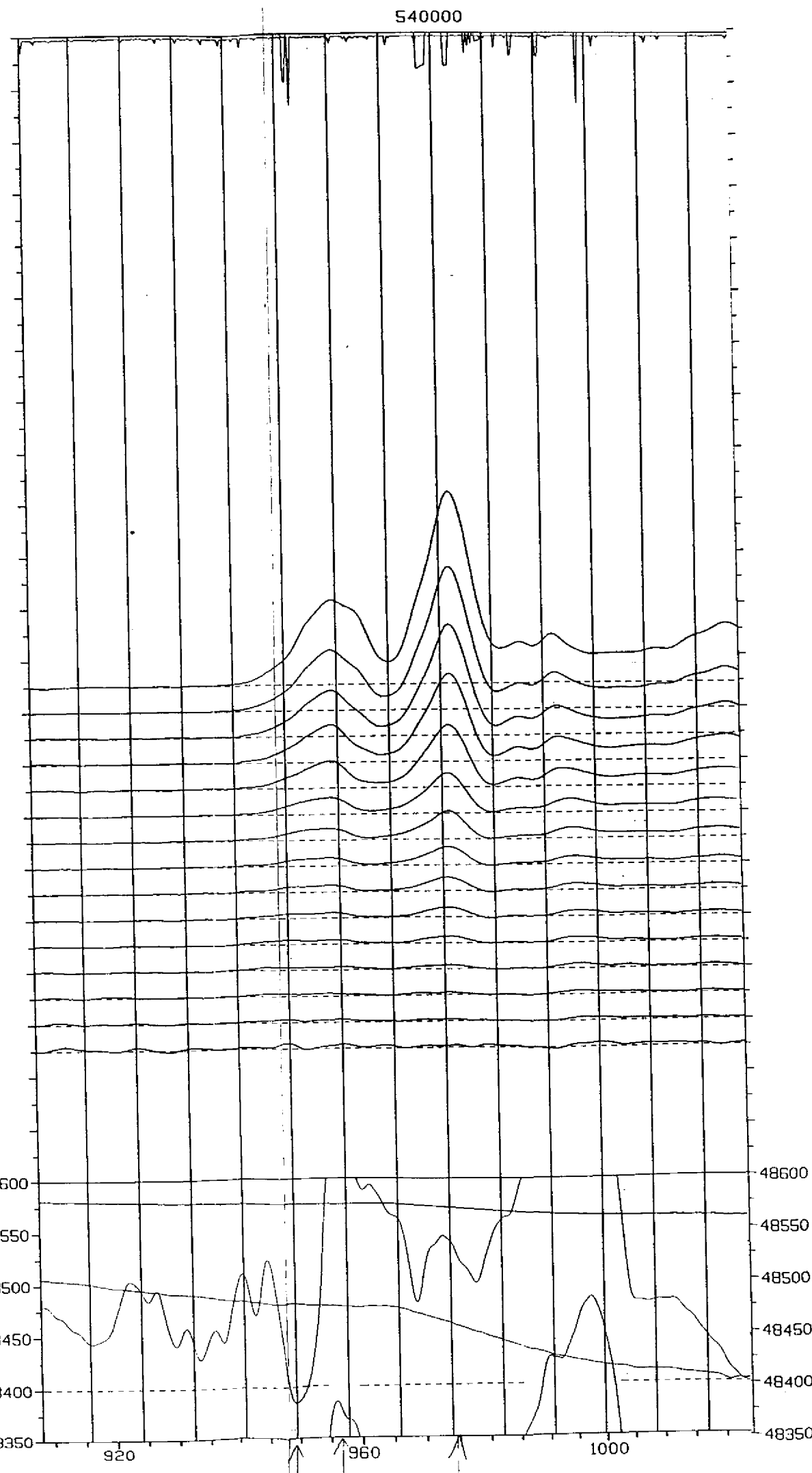
line no. 11231
 flight no. 8
 direction 90
 date flown 03jun92
 time flown 08:43:31.00 08:47:20.00
 fiducial no. 908 1137
 line location 8247025 8247000
 client BHP
 job 1297
 area Borrolaba
 scale 1:50000



ch 1	0.247ms	3200ppm/cm
ch 2	0.351ms	3000ppm/cm
ch 3	0.455ms	2800ppm/cm
ch 4	0.559ms	2600ppm/cm
ch 5	0.715ms	2400ppm/cm
ch 6	0.924ms	2200ppm/cm
ch 7	1.131ms	2000ppm/cm
ch 8	1.393ms	1800ppm/cm
ch 9	1.601ms	1600ppm/cm
ch 10	1.861ms	1400ppm/cm
ch 11	2.174ms	1200ppm/cm
ch 12	2.643ms	1000ppm/cm
ch 13	3.163ms	800ppm/cm
ch 14	3.684ms	600ppm/cm
ch 15	4.101ms	400ppm/cm

time constant (1msec/cm)

omg metres
 spherics/powerline



AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 20290
 flight no. 53
 direction 270
 date flown 01jul92
 time flown 08:57:07.00 09:14:49.00
 fiducial no. 4446 5508
 line location 8193755 8193721
 client BHP
 job 1297
 area Borroloola
 scale 1:50000

omg metres
 spherics/powerline
 time constant (1msec/cm)

560000

ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

altitude
 200
 180
 160
 140
 120
 100

magnetics fine
 48600
 48590
 48580
 48570
 48560
 48550

magnetics coarse
 48600
 48550
 48500
 48450
 48400
 48350

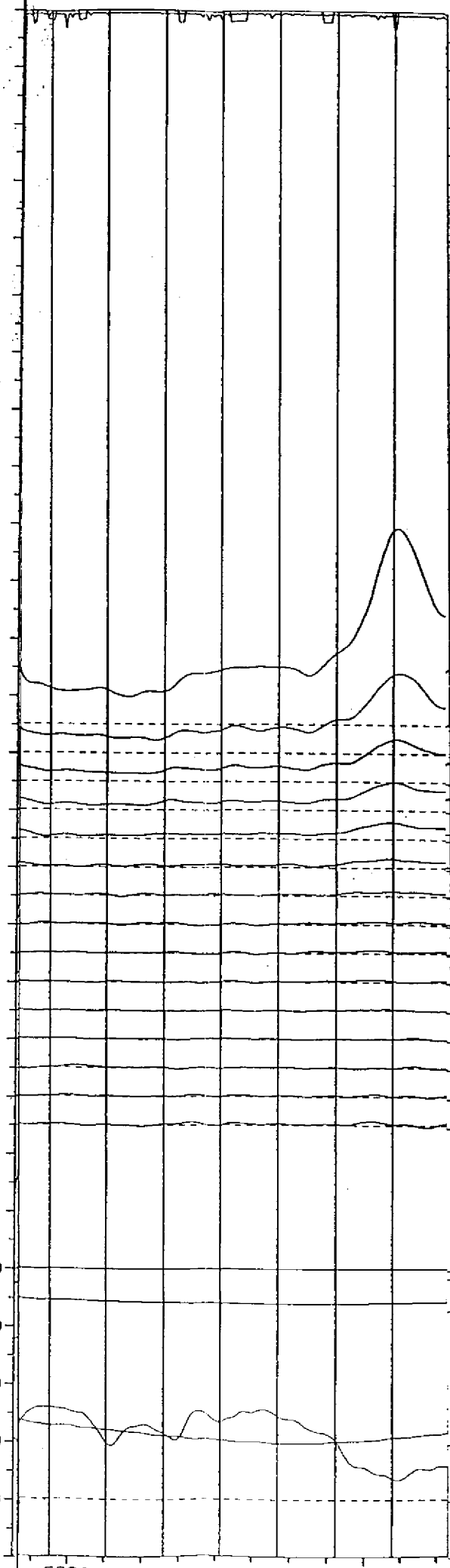
5280

5240

48600
 48550
 48500
 48450
 48400
 48350

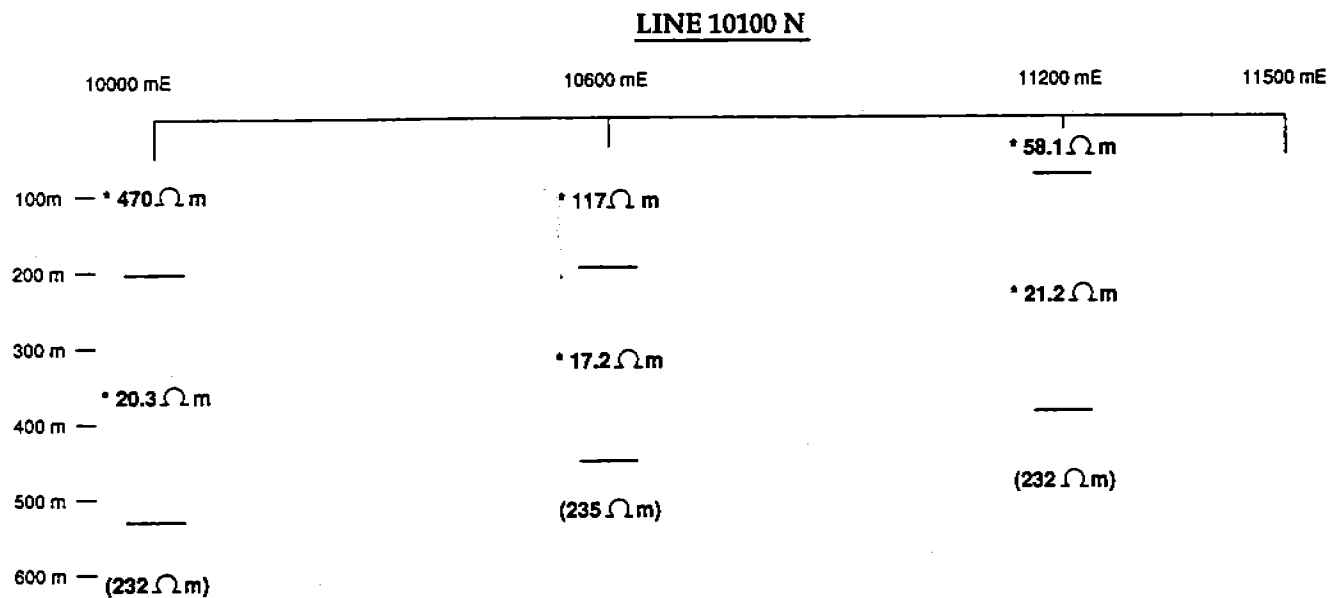
48600
 48590
 48580
 48570
 48560
 48550

200
 180
 160
 140
 120
 100



APPENDIX 5

Ground TEM Data - EL 7300



LEGEND	
39 Ω.m	Layer apparent resistivity
LOOP 2	TEM Inversion location
?	poorly resolved apparent resistivity
*	well resolved apparent resistivity

C:\BHP\EX\B250.DGN		Centre : Perth	
 BHP Minerals Pty. Ltd. A.C.N. 008 604 782		A4-	
		FIGURE	
APPARENT RESISTIVITY - DEPTH SECTION B - 250		Prepared : R.Brescianini	
		Drawn : Digital Mapping	
		Date : April 1995	
		Revised :	

SOUNDING: 100012 : Vers 1
Batten B250 25 Hz - 10100N 10000E

100012A

* 470 ohm.m * 204 m.

* 470

* 204 m.

* 20.3 ohm.m * 329 m.

* 20.3

* 592 m.

(232 ohm.m)

(232)

STD ERR= 3.4% : S= 17 S

E= 3%

S= 17S

Sounding 100012 : Ver 1

1e3

□model

+field

t
r
u
e
a
p
p
r
e
s

100

10

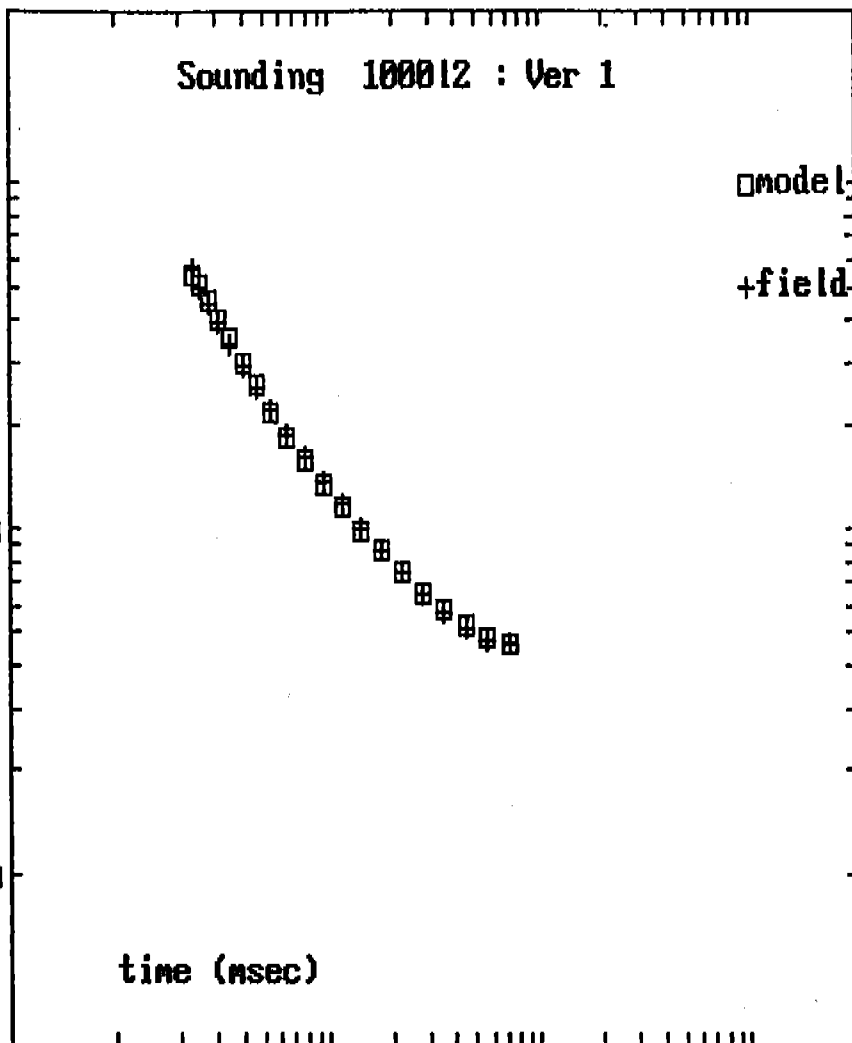
time (msec)

.1

1

10

100



100012A

SOUNDING: 100012 : Vers 2
Batten B250 2.5 Hz - 10100N 10000E

* 113 ohm.m * 315 m.

* 113

* 7.2 ohm.m * 75.7 m. * 315 m.
* 391 m.

* 7.2

(954 ohm.m)

(954)

STD ERR= 3.6% : S= 13 S

E= 4%

S= 13S

Sounding 100012 : Ver 2

1e3

□model

+field

t
r
u
e
a
p
p
r
e
s

100

10

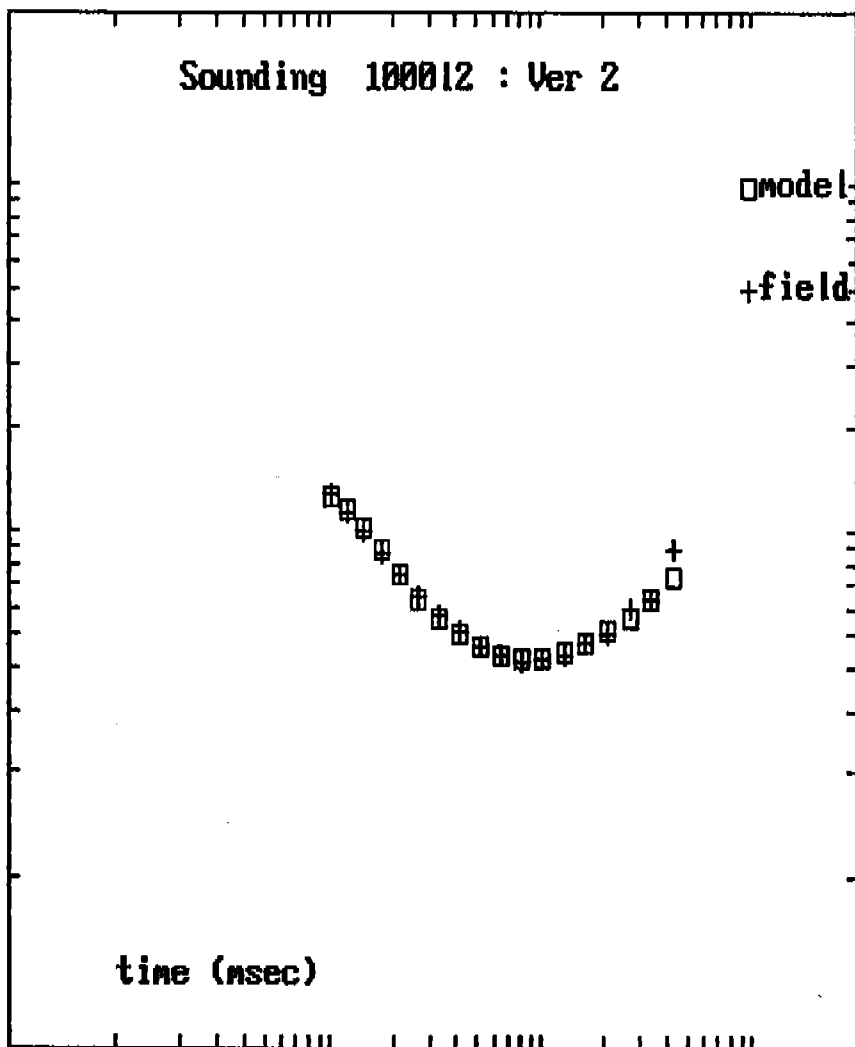
time (nsec)

.1

1

10

100



SOUNDING: 106012 : Vers 1
Batten B250 25 Hz - 10100N 10600E

106012A

* 296 ohm.m * 156 m.

* 296

* 156 m.

* 20.1 ohm.m * 341 m.

* 20.1

* 497 m.

(232 ohm.m)

(232)

STD ERR- 3.0% : S- 18 S

E= 3%

S= 18S

Sounding 106012 : Ver 1

1e3

□model

+field

t
r
u
e

a
p
p

r
e
s

100

10

time (msec)

.1

1

10

100



SOUNDING: 106012 : Vers 2
Batten B250 2.5 Hz - 10100N 10600E

106012A

* 117 ohm.m * 198 m.

* 117

* 198 m.

* 17.2 ohm.m * 257 m.

* 17.2

* 453 m.

(235 ohm.m)

(235)

STD ERR= .8% : S= 17 S

E= 1%
S= 17S

Sounding 106012 : Ver 2

1e3

□model

+field

t
r
u
e

100

a
p
p

r
e
s

10

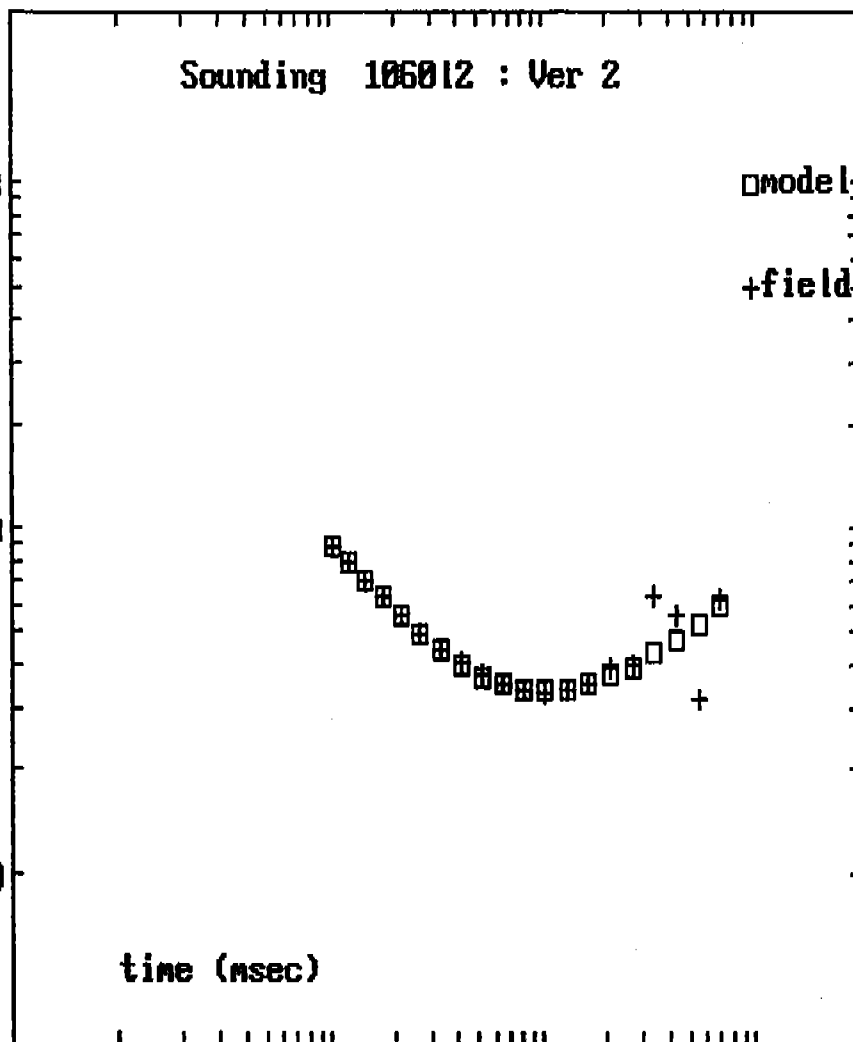
time (msec)

.1

1

10

100



SOUNDING: 112012 : Vers 1
Batten B250 25 Hz - 10100N 11200E

112012A

* 58.1 ohm.m * 73.1 m.
* 73.1 m.

* 58.1

* 21.2 ohm.m * 313 m.

* 21.2

* 387 m.
(232 ohm.m)

(232)

STD ERR= .8% : S= 16 S

E= 1%
S= 16S

Sounding 112012 : Ver 1

1e3

□model

+field

t
r
u
e
a
p
p
r
e
s

100

10

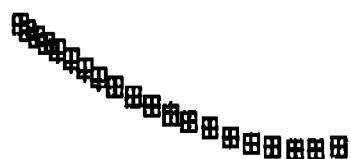
time (nsec)

.1

1

10

100



SOUNDING: 112012 : Vers 2
Batten B250 2.5 Hz - 10100N 11200E

112012A

51.2 ohm.m 90.8 m.

90.8 m.

51.2

* 20.0 ohm.m * 260 m.

* 20.0

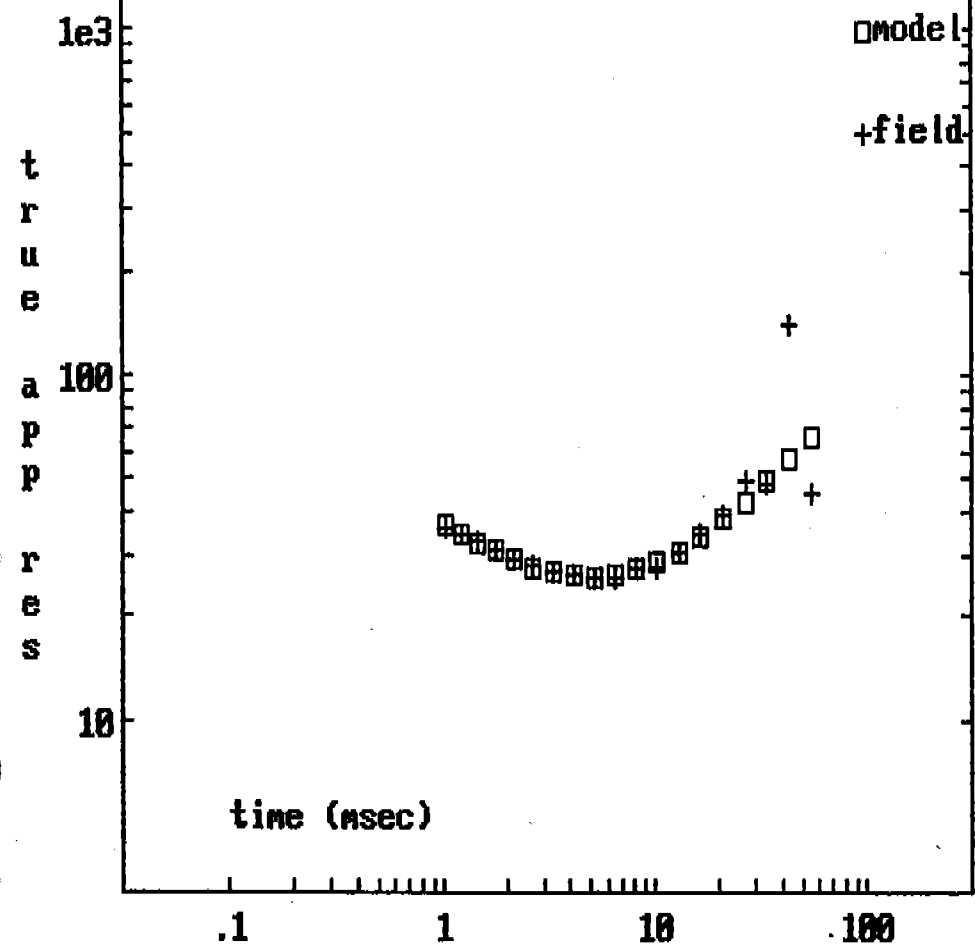
735 ohm.m * 350 m.

735

STD ERR= 2.7% : S= 15 S

E= 3%
S= 15S

Sounding 112012 : Ver 2



APPENDIX 6

Soil Sample Details - EL 7300

EL7300 SOIL SAMPLE DETAILS - RELINQUISHED AREA

LAB BATCH	LAB	TENEMENT	SAMPLE	SIZE	AMG	AMG	AMG	YEAR	Cu	Zn	Pb	Fe	Mn
CODE	NAME	NUMBER	NUMBER	FRACTION	EASTING	NORTHING	ZONE		ppm	ppm	ppm	ppm	ppm
30498	Analabs	E7300	EI5506	-80 Mesh	546200	8160800	53	1994	34	33	9	24800	778
30498	Analabs	E7300	EI5527	-80 Mesh	546300	8160800	53	1994	20	17	9	20500	994
30498	Analabs	E7300	EI5526	-80 Mesh	546500	8160800	53	1994	26	29	4	27300	1690
30498	Analabs	E7300	EI5525	-80 Mesh	546400	8160800	53	1994	28	20	16	22900	1130
30498	Analabs	E7300	EI5524	-80 Mesh	546700	8160800	53	1994	33	34	8	32600	606
30498	Analabs	E7300	EI5523	-80 Mesh	546900	8160800	53	1994	12	21	3	25400	878
30498	Analabs	E7300	EI5522	-80 Mesh	547100	8160800	53	1994	45	42	<3	36300	802
30498	Analabs	E7300	EI5521	-80 Mesh	547300	8160800	53	1994	20	29	6	25800	809
30498	Analabs	E7300	EI5520	-80 Mesh	547500	8160800	53	1994	17	20	6	21300	828
30498	Analabs	E7300	EI5543	-80 Mesh	547400	8160800	53	1994	9	34	4	34200	313
30498	Analabs	E7300	EI5542	-80 Mesh	547900	8160800	53	1994	30	17	8	13800	357
30498	Analabs	E7300	EI5541	-80 Mesh	547800	8160800	53	1994	30	19	8	21300	1080
30498	Analabs	E7300	EI5540	-80 Mesh	547700	8160800	53	1994	35	23	6	21900	333
30498	Analabs	E7300	EI5539	-80 Mesh	546768	8160800	53	1994	20	31	4	50000	854
30498	Analabs	E7300	EI5538	-80 Mesh	546672	8160800	53	1994	27	32	<3	39100	613
30498	Analabs	E7300	EI5537	-80 Mesh	546576	8160800	53	1994	9	12	<3	12900	380
30498	Analabs	E7300	EI5536	-80 Mesh	546480	8160800	53	1994	8	12	3	16600	677
30498	Analabs	E7300	EI5554	-80 Mesh	546384	8160800	53	1994	18	21	<3	17100	913
30498	Analabs	E7300	EI5553	-80 Mesh	546288	8160800	53	1994	22	17	16	19000	1480
30498	Analabs	E7300	EI5552	-80 Mesh	546192	8160800	53	1994	28	14	6	17100	233
30498	Analabs	E7300	EI5552	-80 Mesh	546096	8160800	53	1994	9	13	6	10700	469
30498	Analabs	E7300	EI5551	-80 Mesh	546400	8159300	53	1994	24	14	<3	21100	950
30498	Analabs	E7300	EI5551	-80 Mesh	546300	8159300	53	1994	39	20	<3	15880	415
30498	Analabs	E7300	EI5550	-80 Mesh	546200	8159300	53	1994	21	24	<3	22600	1190
30498	Analabs	E7300	EI5550	-80 Mesh	546100	8159300	53	1994	20	17	5	19200	1010
30498	Analabs	E7300	EI5600	-80 Mesh	546000	8159300	53	1994	16	11	<3	21300	320
30498	Analabs	E7300	EI5599	-80 Mesh	545900	8159300	53	1994	14	10	<3	13900	428
30498	Analabs	E7300	EI5598	-80 Mesh	545800	8159300	53	1994	9	8	<3	16100	646
30498	Analabs	E7300	EI5597	-80 Mesh	545700	8159300	53	1994	6	7	<3	9300	279
30498	Analabs	E7300	EI5596	-80 Mesh	547920	8159800	53	1994	12	22	<3	22500	485
30498	Analabs	E7300	EI5595	-80 Mesh	547824	8159800	53	1994	9	19	<3	20900	452
30498	Analabs	E7300	EI5594	-80 Mesh	547728	8159800	53	1994	45	26	<3	32500	377
30498	Analabs	E7300	EI5593	-80 Mesh	547632	8159800	53	1994	20	11	7	17600	388
30498	Analabs	E7300	EI5592	-80 Mesh	547938	8158353	53	1994	4	4	14	9900	150

EL7300 SOIL SAMPLE DETAILS - RELINQUISHED AREA

LAB BATCH	LAB	TENEMENT	SAMPLE	SIZE	AMG	AMG	AMG	YEAR	Cu	Zn	Pb	Fe	Mn
CODE	NAME	NUMBER	NUMBER	FRACTION	EASTING	NORTHING	ZONE		ppm	ppm	ppm	ppm	ppm
30498	Analabs	E7300	EI5591	-80 Mesh	547839	8158350	53	1994	14	23	4	21600	695
30498	Analabs	E7300	EI5590	-80 Mesh	547741	8158347	53	1994	14	23	4	21600	695
30498	Analabs	E7300	EI5589	-80 Mesh	547643	8158344	53	1994	9	27	6	25600	539
30498	Analabs	E7300	EI5588	-80 Mesh	547544	8158341	53	1994	47	25	7	28400	1290
30498	Analabs	E7300	EI5587	-80 Mesh	547446	8158338	53	1994	10	14	4	18000	613
30498	Analabs	E7300	EI5586	-80 Mesh	547348	8158335	53	1994	8	17	7	16400	722
30498	Analabs	E7300	EI5585	-80 Mesh	547249	8158333	53	1994	9	31	4	18800	711
30498	Analabs	E7300	EI5584	-80 Mesh	547900	8159300	53	1994	6	14	<3	11500	182
30498	Analabs	E7300	EI5583	-80 Mesh	547800	8159300	53	1994	5	15	5	12000	75
30498	Analabs	E7300	EI5582	-80 Mesh	547700	8159300	53	1994	6	23	4	15300	277
30498	Analabs	E7300	EI5581	-80 Mesh	547600	8159300	53	1994	19	22	4	20700	199
30498	Analabs	E7300	EI5580	-80 Mesh	547500	8159300	53	1994	17	31	4	28100	419
30498	Analabs	E7300	EI5579	-80 Mesh	547151	8158330	53	1994	8	29	4	19100	655
30498	Analabs	E7300	EI5578	-80 Mesh	547053	8158327	53	1994	16	34	10	36600	555
30498	Analabs	E7300	EI5577	-80 Mesh	546955	8158324	53	1994	15	31	7	31600	570
30498	Analabs	E7300	EI5576	-80 Mesh	546856	8158321	53	1994	9	26	6	24800	502
30498	Analabs	E7300	EI5575	-80 Mesh	546758	8158318	53	1994	21	50	17	48000	996
30498	Analabs	E7300	EI5574	-80 Mesh	546660	8158315	53	1994	19	35	<3	37500	411
30498	Analabs	E7300	EI5573	-80 Mesh	546561	8158312	53	1994	16	38	<3	46700	518
30498	Analabs	E7300	EI5572	-80 Mesh	546463	8158309	53	1994	9	25	<3	30200	765
30498	Analabs	E7300	EI5571	-80 Mesh	547536	8159800	53	1994	19	10	9	18100	561
30498	Analabs	E7300	EI5570	-80 Mesh	547440	8160800	53	1994	31	19	8	22500	306
30498	Analabs	E7300	EI5569	-80 Mesh	547344	8160800	53	1994	22	18	<3	20400	493
30498	Analabs	E7300	EI5568	-80 Mesh	547248	8160800	53	1994	32	25	<3	26900	768
30498	Analabs	E7300	EI5567	-80 Mesh	547152	8160800	53	1994	11	29	<3	29700	392
30498	Analabs	E7300	EI5566	-80 Mesh	547056	8160800	53	1994	31	28	<3	28900	683
30498	Analabs	E7300	EI5565	-80 Mesh	546960	8160800	53	1994	24	27	4	36700	690
30498	Analabs	E7300	EI5564	-80 Mesh	546864	8160800	53	1994	14	34	4	38500	563
30498	Analabs	E7300	EI5563	-80 Mesh	547200	8159300	53	1994	21	16	4	18400	804
30498	Analabs	E7300	EI5562	-80 Mesh	547100	8159300	53	1994	27	18	4	17800	725
30498	Analabs	E7300	EI5561	-80 Mesh	546700	8159300	53	1994	28	30	4	28000	751
30498	Analabs	E7300	EI5560	-80 Mesh	546900	8159300	53	1994	19	36	<3	33100	525
30498	Analabs	E7300	EI5559	-80 Mesh	546800	8159300	53	1994	40	31	<3	23400	848
30498	Analabs	E7300	EI5558	-80 Mesh	546700	8159300	53	1994	10	25	<3	22700	569

EL7300 SOIL SAMPLE DETAILS - RELINQUISHED AREA

LAB BATCH	LAB	TENEMENT	SAMPLE	SIZE	AMG	AMG	AMG	YEAR	Cu	Zn	Pb	Fe	Mn
CODE	NAME	NUMBER	NUMBER	FRACTION	EASTING	NORTHING	ZONE		ppm	ppm	ppm	ppm	ppm
30498	Analabs	E7300	EI5557	-80 Mesh	546600	8159300	53	1994	38	22	<3	25000	878
30498	Analabs	E7300	EI5556	-80 Mesh	546500	8159300	53	1994	38	22	<3	25000	878
30498	Analabs	E7300	EI5555	-80 Mesh	546365	8158306	53	1994	11	37	<3	28400	506
30498	Analabs	E7300	EI5549	-80 Mesh	546266	8158303	53	1994	9	46	3	54300	969
30498	Analabs	E7300	EI5549	-80 Mesh	546168	8158300	53	1994	24	33	4	25100	851
30498	Analabs	E7300	EI5548	-80 Mesh	546070	8158298	53	1994	81	35	4	32300	320
30498	Analabs	E7300	EI5548	-80 Mesh	545972	8158295	53	1994	29	19	<3	20500	1380
30498	Analabs	E7300	EI5547	-80 Mesh	545873	8158292	53	1994	29	19	<3	20500	1380
30498	Analabs	E7300	EI5546	-80 Mesh	545775	8158289	53	1994	24	13	<3	15700	748
30498	Analabs	E7300	EI5545	-80 Mesh	545677	8158286	53	1994	31	17	<3	23100	2550
30498	Analabs	E7300	EI5544	-80 Mesh	545578	8158283	53	1994	11	7	<3	9900	66
30498	Analabs	E7300	EI5535	-80 Mesh	545480	8158280	53	1994	8	7	<3	9200	506
30498	Analabs	E7300	EI5534	-80 Mesh	547400	8159300	53	1994	21	29	<3	30100	318
30498	Analabs	E7300	EI5533	-80 Mesh	547300	8159300	53	1994	20	20	5	17000	451
30498	Analabs	E7300	EI5532	-80 Mesh	546000	8160800	53	1994	9	11	<3	12200	293
30498	Analabs	E7300	EI5531	-80 Mesh	547600	8160800	53	1994	28	14	3	21400	358
30498	Analabs	E7300	EI5530	-80 Mesh	547200	8160800	53	1994	20	29	<3	21200	832
30498	Analabs	E7300	EI5529	-80 Mesh	547000	8160800	53	1994	11	19	<3	22800	995
30498	Analabs	E7300	EI5528	-80 Mesh	546800	8160800	53	1994	26	34	6	32800	722
30498	Analabs	E7300	EI5519	-80 Mesh	546600	8160800	53	1994	9	15	4	13700	519

APPENDIX 7

Airborne TEM Profiles - EL 7301

AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 20300
 flight no. 53
 direction 90
 date flown 01jul92
 time flown 09:16:17.00
 fiducial no. 5538
 line location 8192706
 client BHP
 job 1297
 area Borroloola
 scale 1:50000

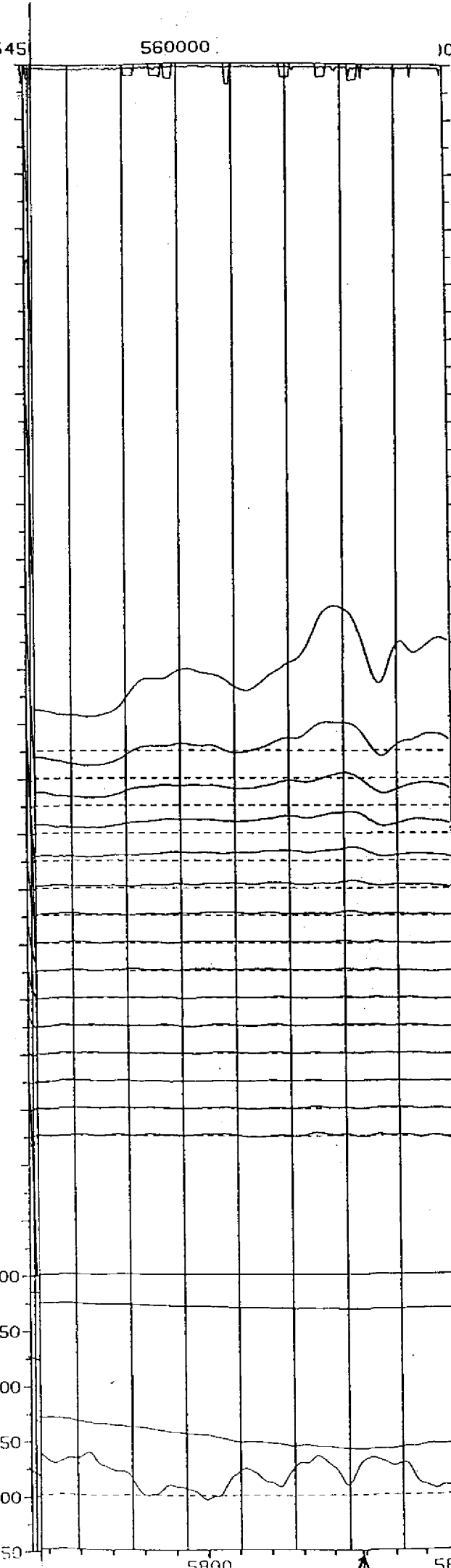
time constant (1msec/cm)

ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

altitude
 200
 180
 160
 140
 120
 100

magnetics fine
 48600
 48590
 48580
 48570
 48560
 48550

magnetics coarse
 48600
 48550
 48500
 48450
 48400
 48350



48600
 48550
 48500
 48450
 48400
 48350

48600
 48590
 48580
 48570
 48560
 48550

200
 180
 160
 140
 120
 100

PERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 20310
 flight no. 54
 direction 270
 date flown 01jul92
 time flown 11:07:21.00 11:24:33.00
 fiducial no. 1610 2642
 line location 8191788 8191715
 client BHP
 job 1297
 area Borrolaba
 scale 1:50000

omg met
 spherics/power

time constant (1msec/cm)

560000

ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

altitude
 200
 180
 160
 140
 120
 100

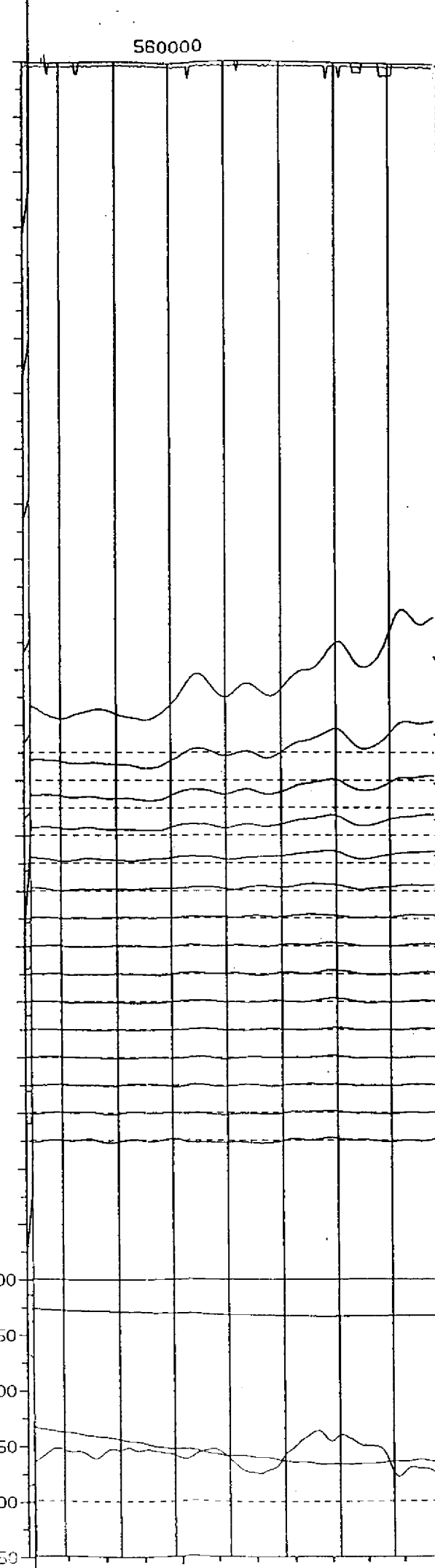
magnetics fine
 48600
 48590
 48580
 48570
 48560
 48550

magnetics coarse
 48600
 48550
 48500
 48450
 48400
 48350

48600
 48550
 48500
 48450
 48400
 48350

48600
 48590
 48580
 48570
 48560
 48550

200
 180
 160
 140
 120
 100



AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 20320
flight no. 54
direction 90
date flown 01jul92
time flown 11:25:42.00 11:33:19.00
fiducial no. 2561 3118
line location 8190715 8190762
client BHP
job 1297
area Borroloola
scale 1:50000

altitude
200
180
160
140
120
100

magnetics fine
48600
48590
48580
48570
48560
48550

magnetics coarse
48600
48550
48500
48450
48400
48350

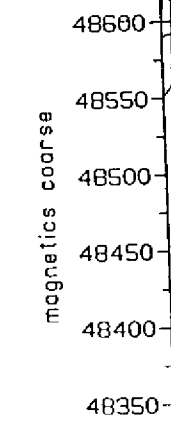
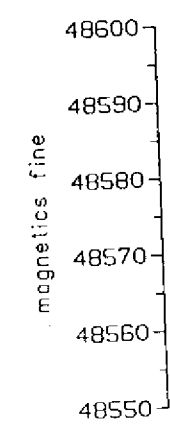
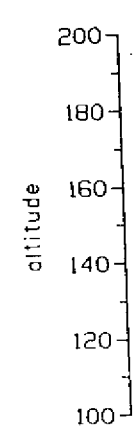
560000

time constant (1msec/cm)

ch 1 0.247ms 1100ppm/cm
ch 2 0.351ms 1050ppm/cm
ch 3 0.455ms 1000ppm/cm
ch 4 0.559ms 950ppm/cm
ch 5 0.715ms 900ppm/cm
ch 6 0.924ms 850ppm/cm
ch 7 1.131ms 800ppm/cm
ch 8 1.393ms 750ppm/cm
ch 9 1.601ms 700ppm/cm
ch 10 1.861ms 650ppm/cm
ch 11 2.174ms 600ppm/cm
ch 12 2.643ms 550ppm/cm
ch 13 3.163ms 500ppm/cm
ch 14 3.684ms 450ppm/cm
ch 15 4.205ms 400ppm/cm

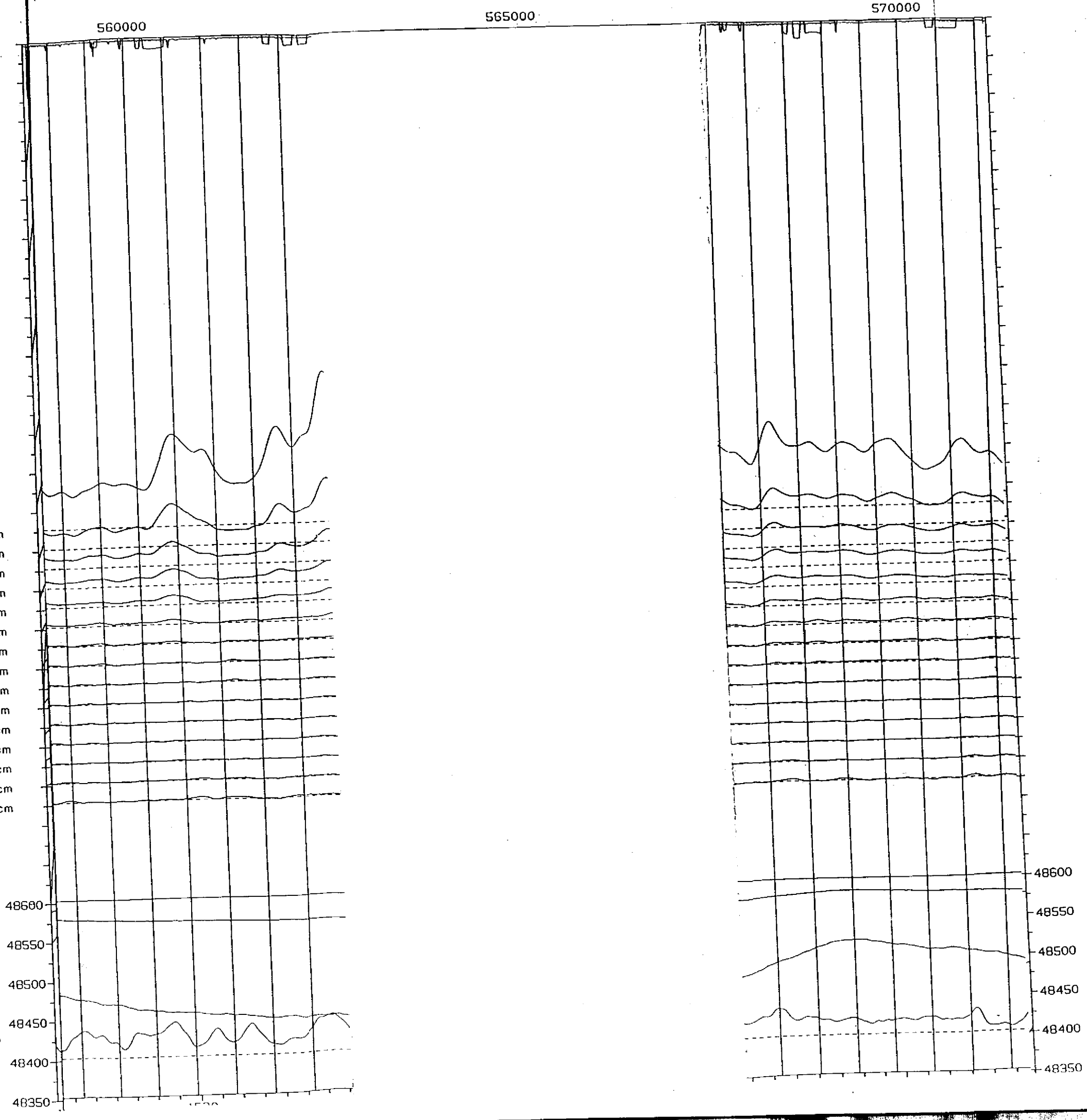
Base Equator 750000 Z.

line no. 20332
flight no. 56
direction 90
date flown 01jul92
time flown 15:41:32.00 16:01:59.00
fiducial no. 1237 2464
line location 8189721 8189626
client BHP
job 1297
area Borroloola
scale 1:50000



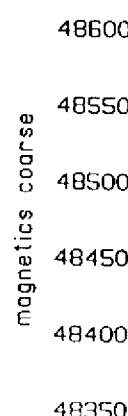
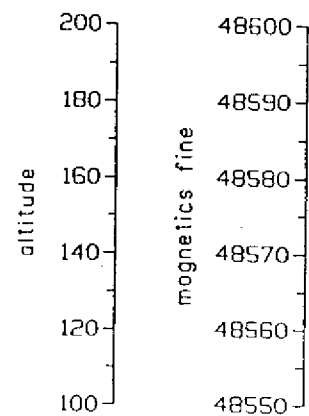
ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

cmg metres
spherics/powerline
time constant (1msec/cm)



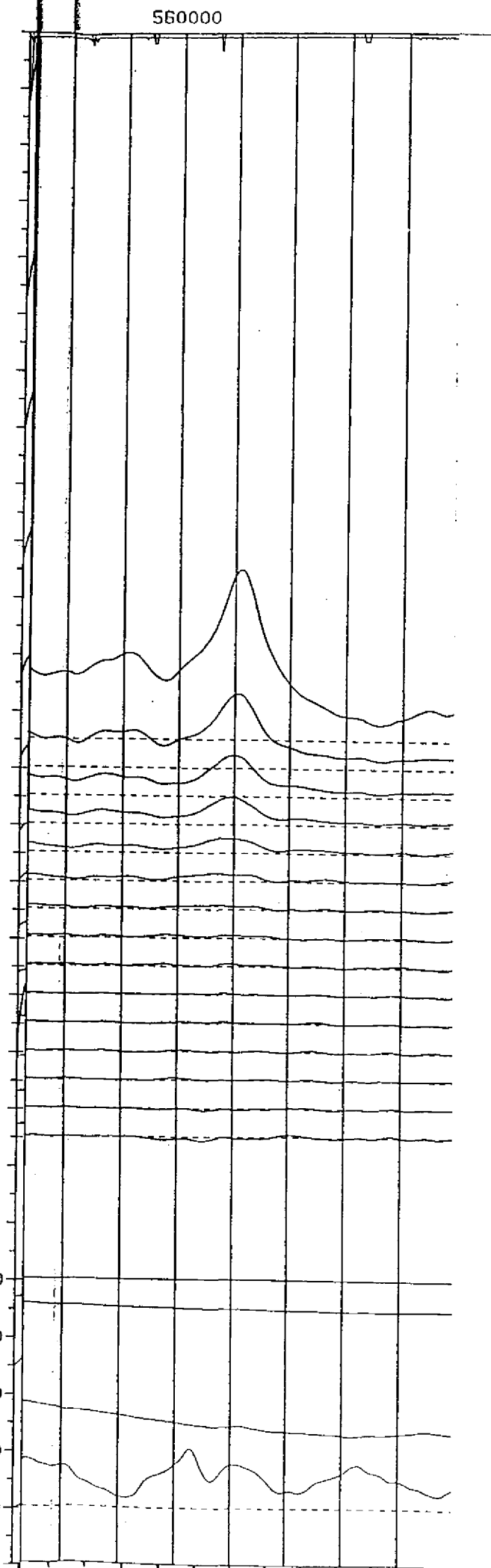
01jul92 16:16:50.00 16:34:45.00
2816 3891 8188785 8188735
BHP
1297
Borroloola
1:50000

altitude
magnetics fine
magnetics coarse

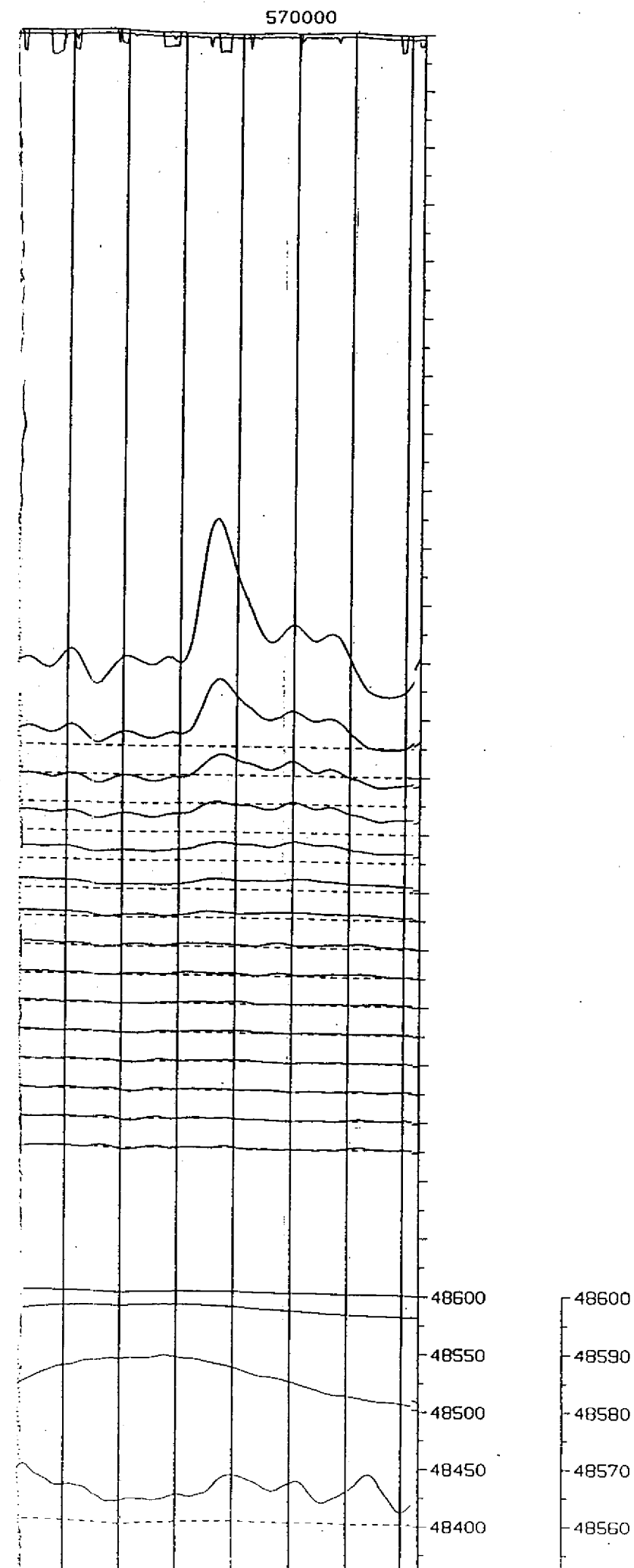


ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

omg metres
spherics/powerline
time constant (1msec/cm)



565000



omg metres
spherics/powerline

time constant (1msec/cm)

560000

PERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 20350
flight no. 56
direction 90
date flown 01jul92
time flown 16:35:49.00 16:40:41.00
fiducial no. 3907 4199
line location 8187720 8187690
client BHP
job 1297
area Borroloola
scale 1:50000

ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

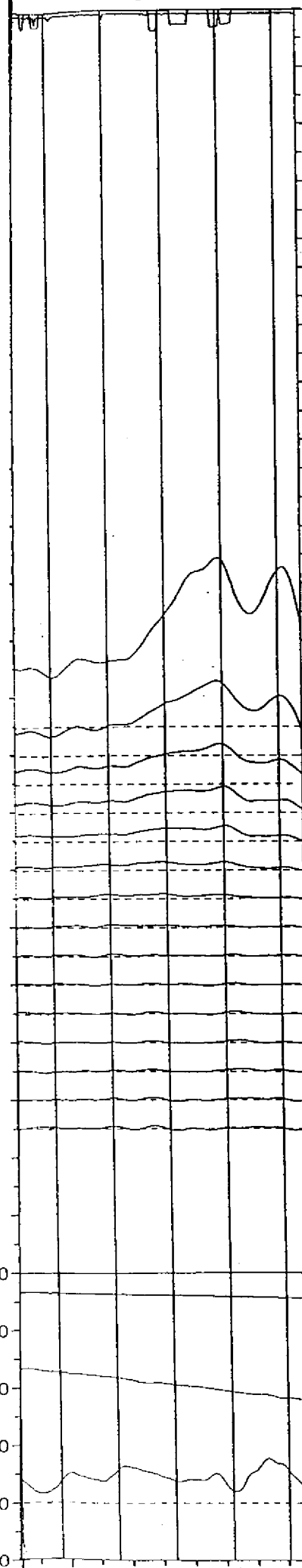
altitude
200
180
160
140
120
100

magnetics fine
48600
48590
48580
48570
48560
48550

magnetics coarse
48600
48550
48500
48450
48400
48350

48600
48590
48580
48570
48560
48550

200
180
160
140
120
100



AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 20351
flight no. 57
direction 90
date flown 02jul92
time flown 12:54:56.00 13:08:05.00
fiducial no. 5773 6562
line location 8187688 8187726
client BHP
job 1297
area Borroloola
scale 1:50000

omg metres
spherics/powerline

time constant (1msec/cm)

570000

ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

altitude
200
180
160
140
120
100

magnetics fine
48600
48590
48580
48570
48560
48550

magnetics coarse
48600
48550
48500
48450
48400
48350

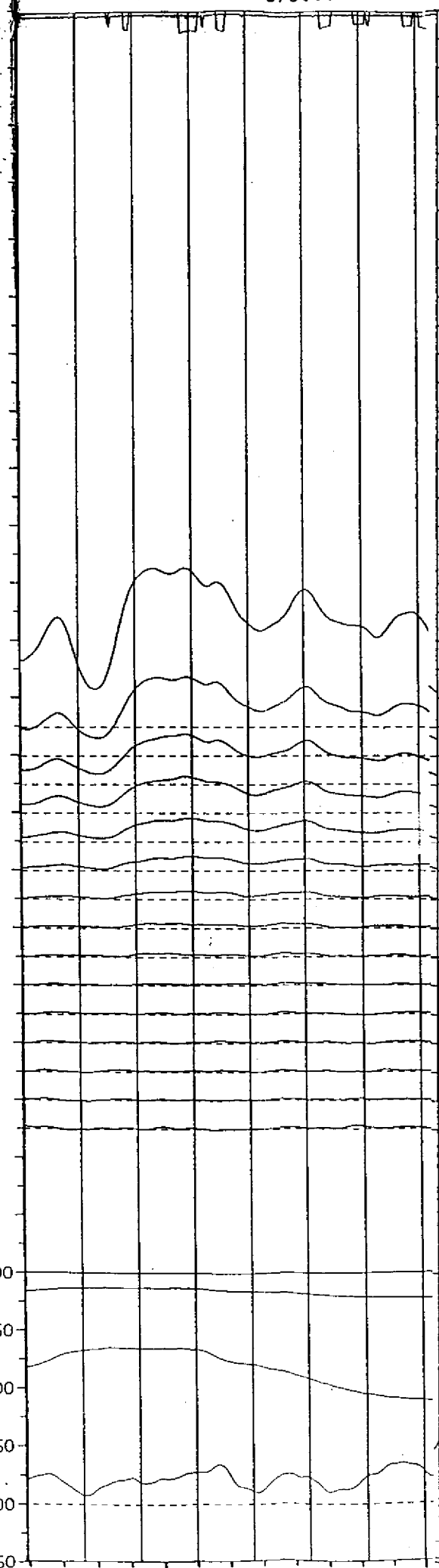
5920

596

48850
48800
48750
48700
48650
48600

48650
48640
48630
48620
48610
48600

200
180
160
140
120
100



line no. 20360
 flight no. 58
 direction 270
 date flown 03jul92
 time flown 07:08:26.00 07:24:24.00
 fiducial no. 798 1756
 line location 8186743 8186761
 client BHP
 job 1297
 area Barro Colorado
 scale 1:50000

amg metres
 spherics/powerline

time constant (1msec/cm)

560000

565000

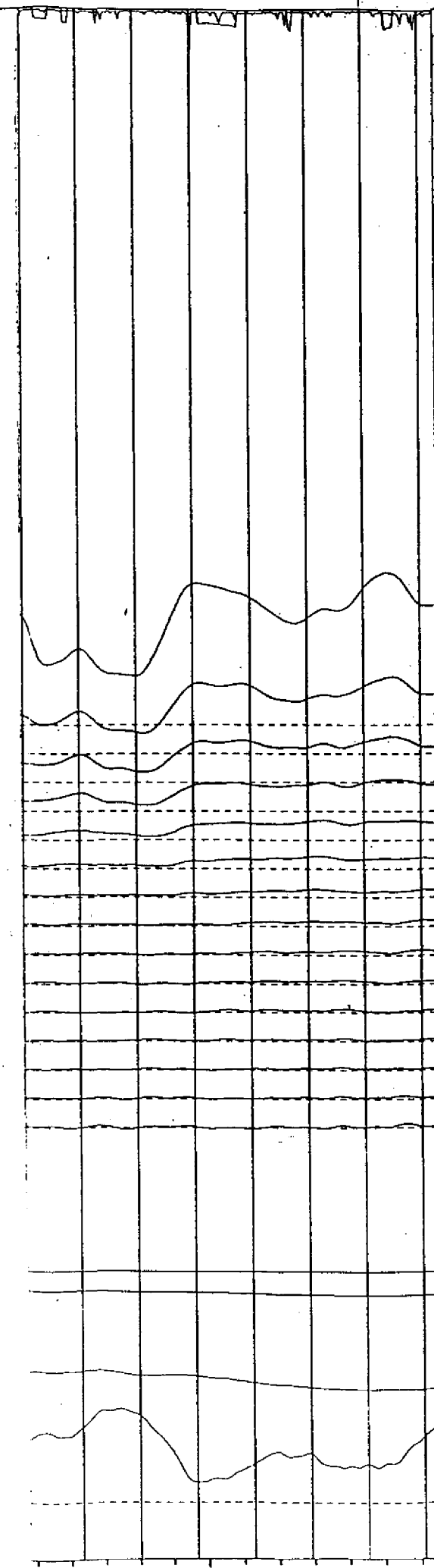
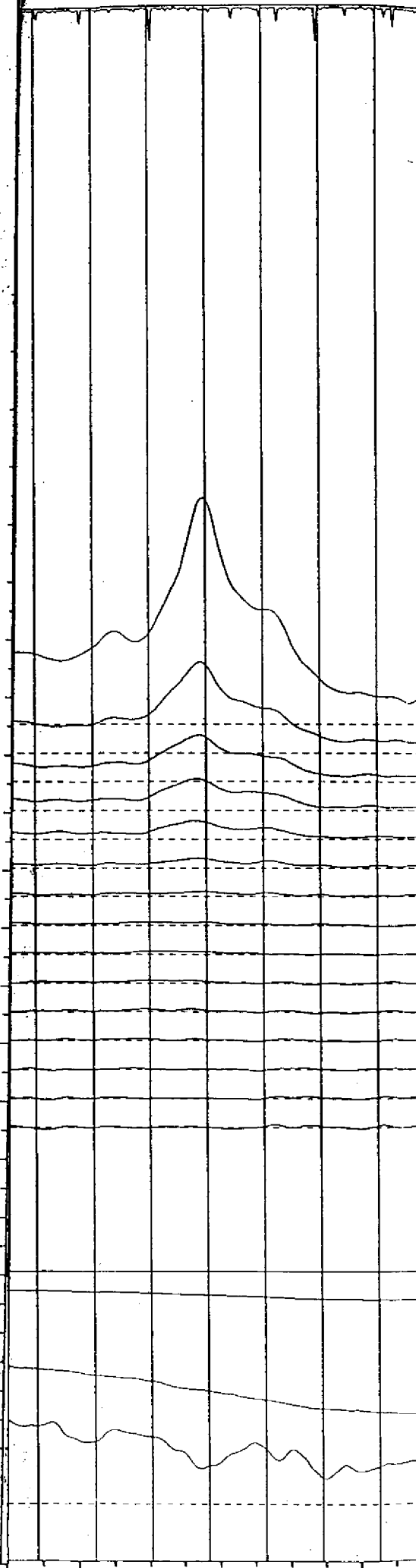
570000

ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

altitude
 200
 180
 160
 140
 120
 100

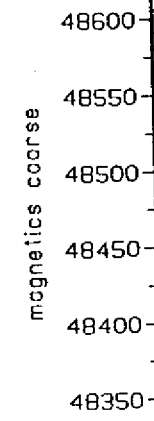
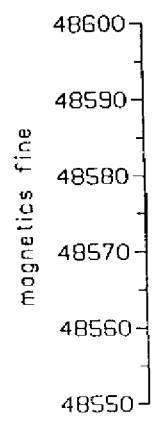
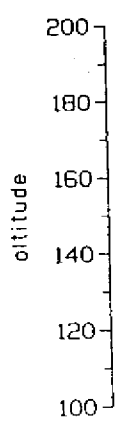
magnetics fine
 48600
 48590
 48580
 48570
 48560
 48550

magnetics coarse
 48600
 48550
 48500
 48450
 48400
 48350



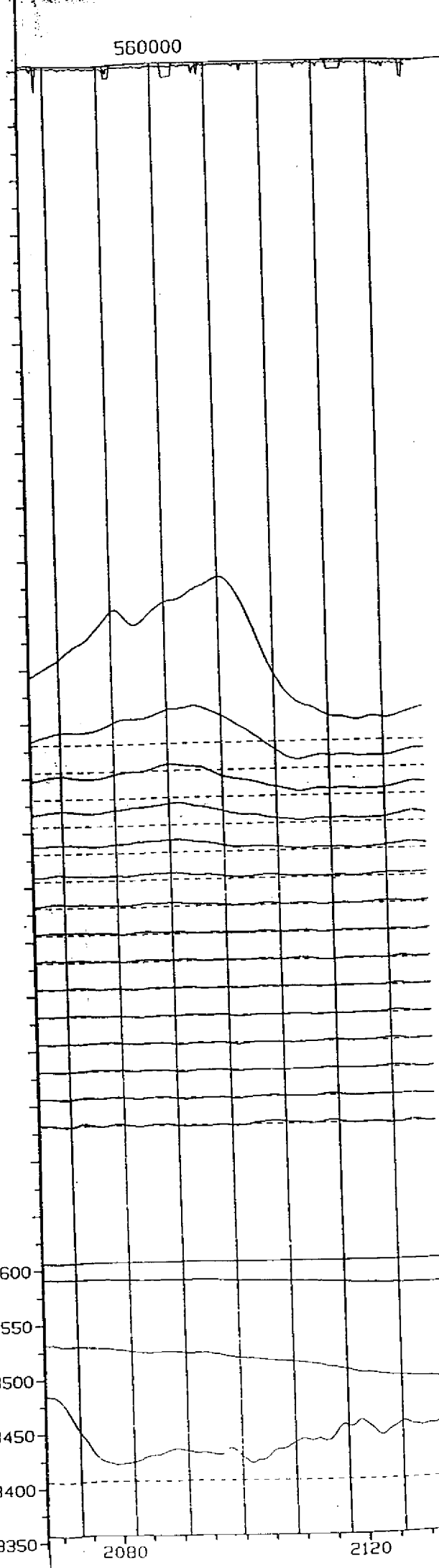
48600
 48550
 48500
 48450
 48400
 48350

line no. 20370
 flight no. 58
 direction 90
 date flown 03jul92
 time flown 07:26:33.00
 fiducial no. 1825
 line location 8185732
 client BHP
 job 1297
 area Borroloola
 scale 1:50000



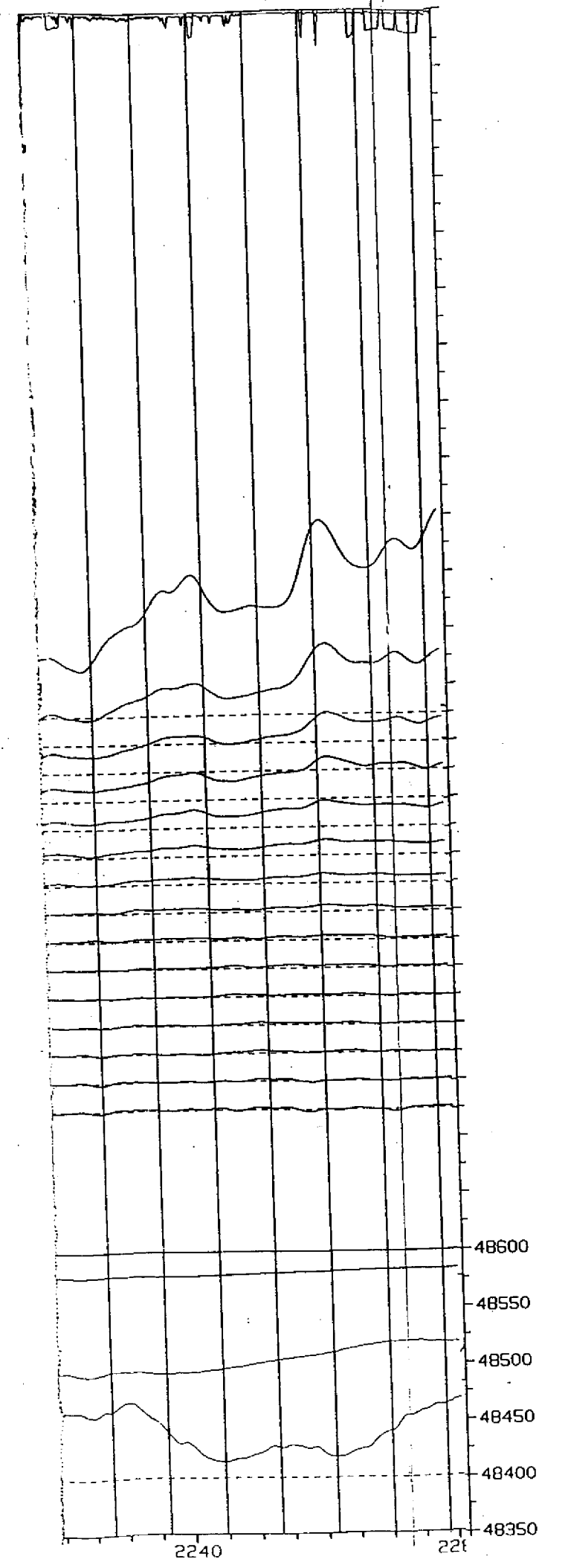
ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

avg metres
 spherics/powerline
 time constant (1msec/cm)



565000

570000



line no.
flight no.
direction
date flown
time flown
fiducial no.
line location
client
job
area
scale

20380
58
270
03jul92
07:44:59.00
2867
8184708
BHP
1297
Borroloola
1:50000

2

altitude
100
120
140
160
180
200

magnetics fine
48550
48560
48570
48580
48590
48600

magnetics coarse
48350
48400
48450
48500
48550
48600

3560

A

3520

ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

time constant (1msec/cm)

amg metres
spherics/powerline

560000

565000

570000

48600
48550
48500
48450
48400
48350

4
4
4
4
4
4

line no. 20390
 flight no. 58
 direction 90
 date flown 03jul92
 time flown 08:04:34.00 08:21:16.00
 fiducial no. 3869 4871
 line location 8183733 8183711
 client BHP
 job 1297
 area Borroladla
 scale 1:50000

altitude
 200
 180
 160
 140
 120
 100

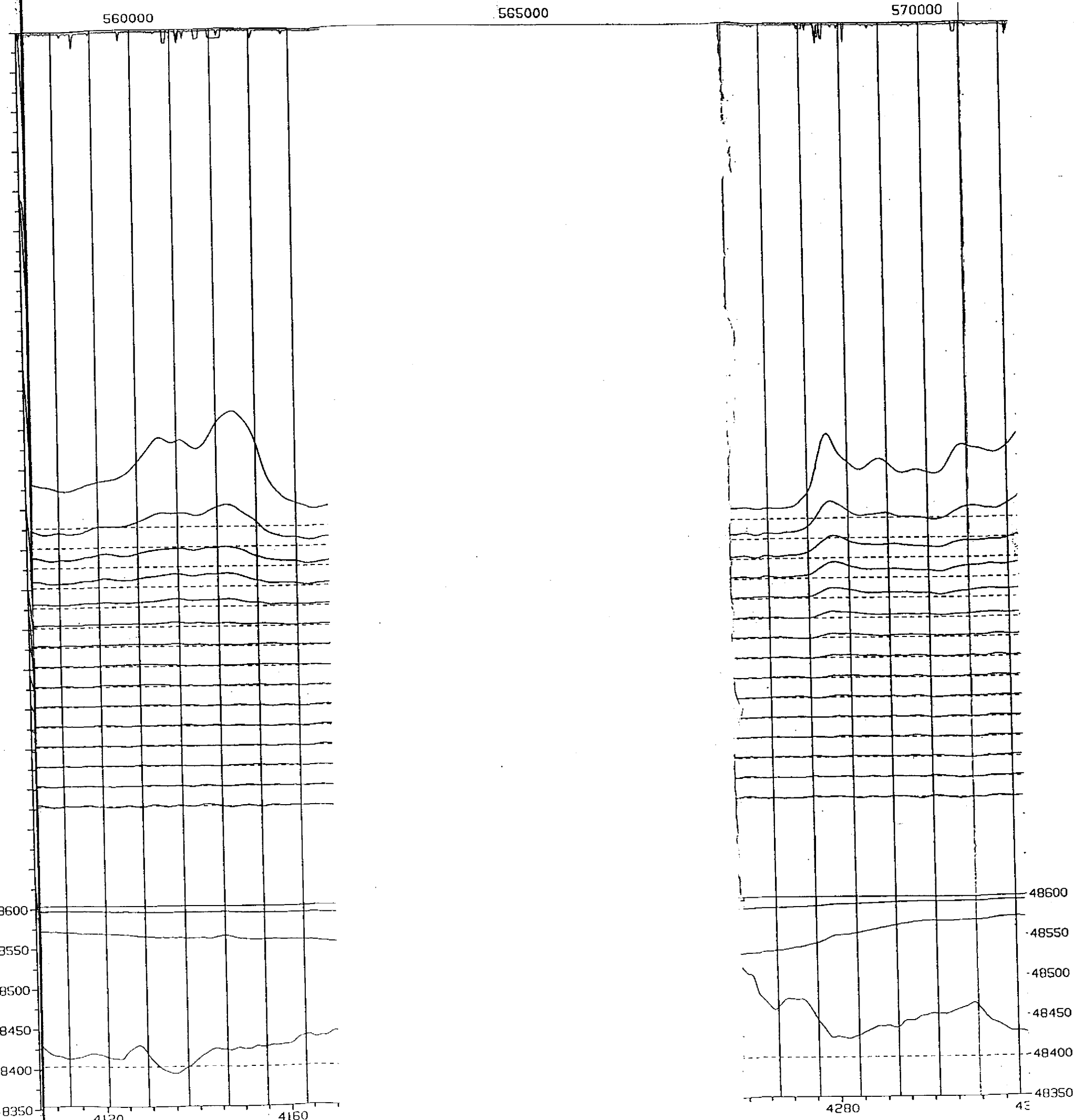
magnetics fine
 48600
 48590
 48580
 48570
 48560
 48550

magnetics coarse

48600
 48550
 48500
 48450
 48400
 48350
 4120 4160

ch 1 0.247ms 1100ppm/cm
 ch 2 0.351ms 1050ppm/cm
 ch 3 0.455ms 1000ppm/cm
 ch 4 0.559ms 950ppm/cm
 ch 5 0.715ms 900ppm/cm
 ch 6 0.924ms 850ppm/cm
 ch 7 1.131ms 800ppm/cm
 ch 8 1.393ms 750ppm/cm
 ch 9 1.601ms 700ppm/cm
 ch 10 1.861ms 650ppm/cm
 ch 11 2.174ms 600ppm/cm
 ch 12 2.643ms 550ppm/cm
 ch 13 3.163ms 500ppm/cm
 ch 14 3.684ms 450ppm/cm
 ch 15 4.205ms 400ppm/cm

amg metres
 spherics/powerline
 time constant (1msec/cm)



cf 1
line 20401
flight no. 58
direction 270
date flown 03jul92
time flown 08:34:41.00
fiducial no. 5411
line location 8182694
client BHP
job 1297
area Barro Colorado
scale 1:50000

08:42:55.00

5905

8182718

altitude
200
180
160
140
120
100

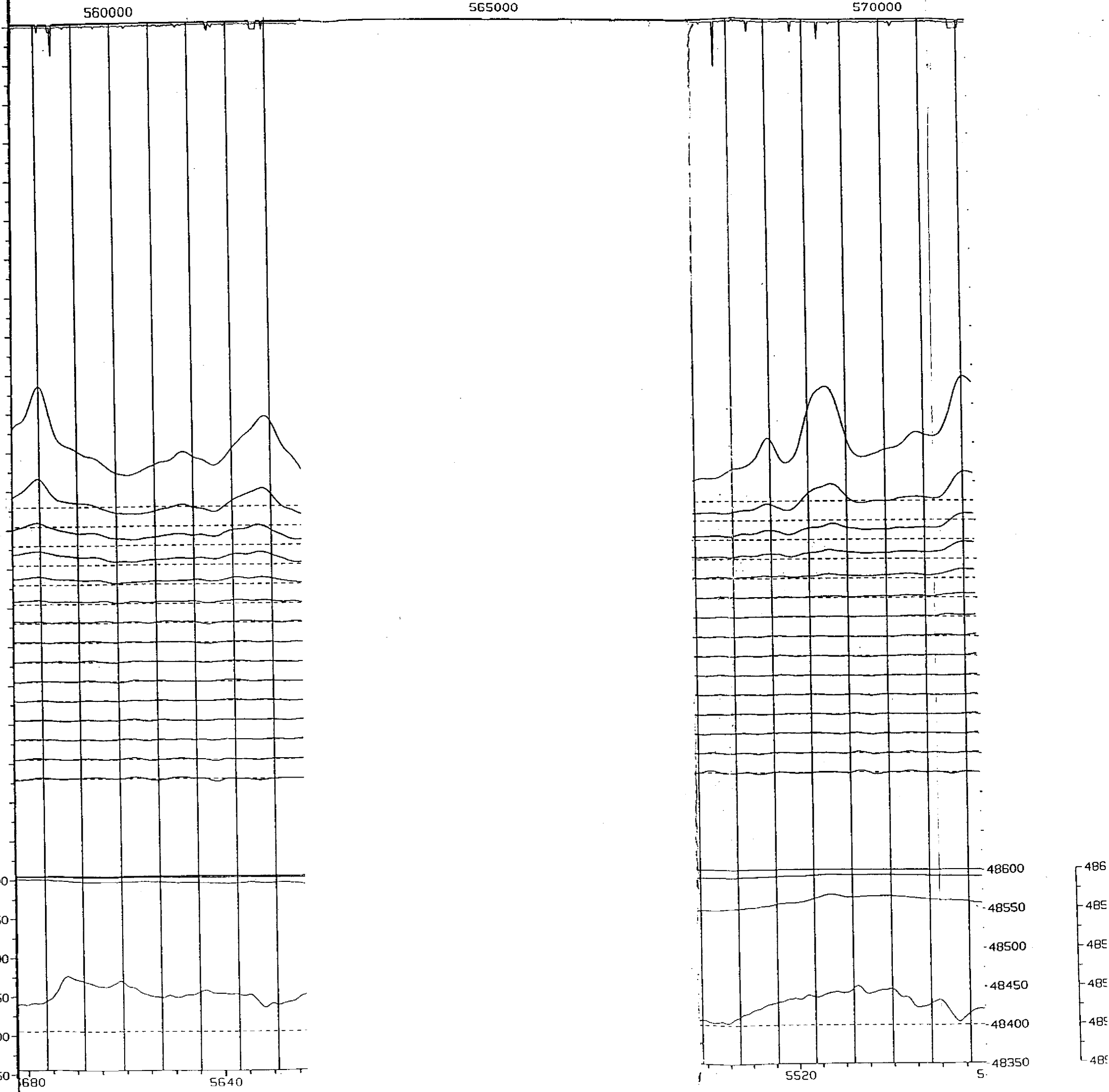
magnetics fine
48650
48640
48630
48620
48610
48600

magnetics coarse
48600
48550
48500
48450
48400
48350

ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

time constant (1msec/cm)

mg metres
spherics/powerline



570000

magnetics coarse

48600
48550
48500
48450
48400
48350

line no. 20420
 flight no. 59
 direction 270
 date flown 03jul92
 time flown 10:16:10.00
 fiducial no. 394
 line location 8180718
 client BHP
 job 1297
 area Borrolodla
 scale 1:50000

10:28:08.00

1112

8180708

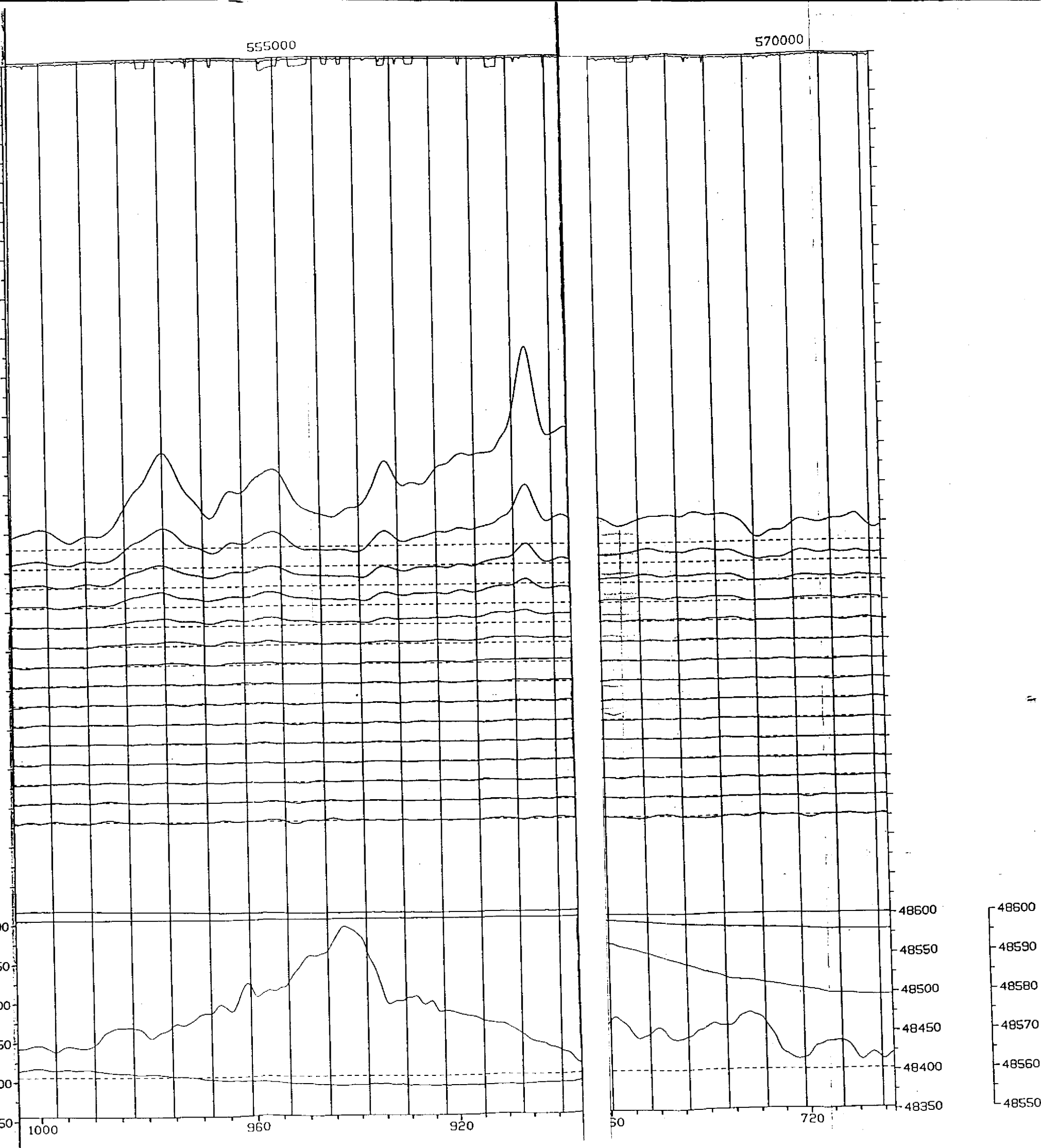
altitude

magnetics fine

magnetics coarse

ch 1 0.247ms 1100ppm/cm
 ch 2 0.351ms 1050ppm/cm
 ch 3 0.455ms 1000ppm/cm
 ch 4 0.559ms 950ppm/cm
 ch 5 0.715ms 900ppm/cm
 ch 6 0.924ms 850ppm/cm
 ch 7 1.131ms 800ppm/cm
 ch 8 1.393ms 750ppm/cm
 ch 9 1.601ms 700ppm/cm
 ch 10 1.861ms 650ppm/cm
 ch 11 2.174ms 600ppm/cm
 ch 12 2.643ms 550ppm/cm
 ch 13 3.163ms 500ppm/cm
 ch 14 3.684ms 450ppm/cm
 ch 15 4.205ms 400ppm/cm

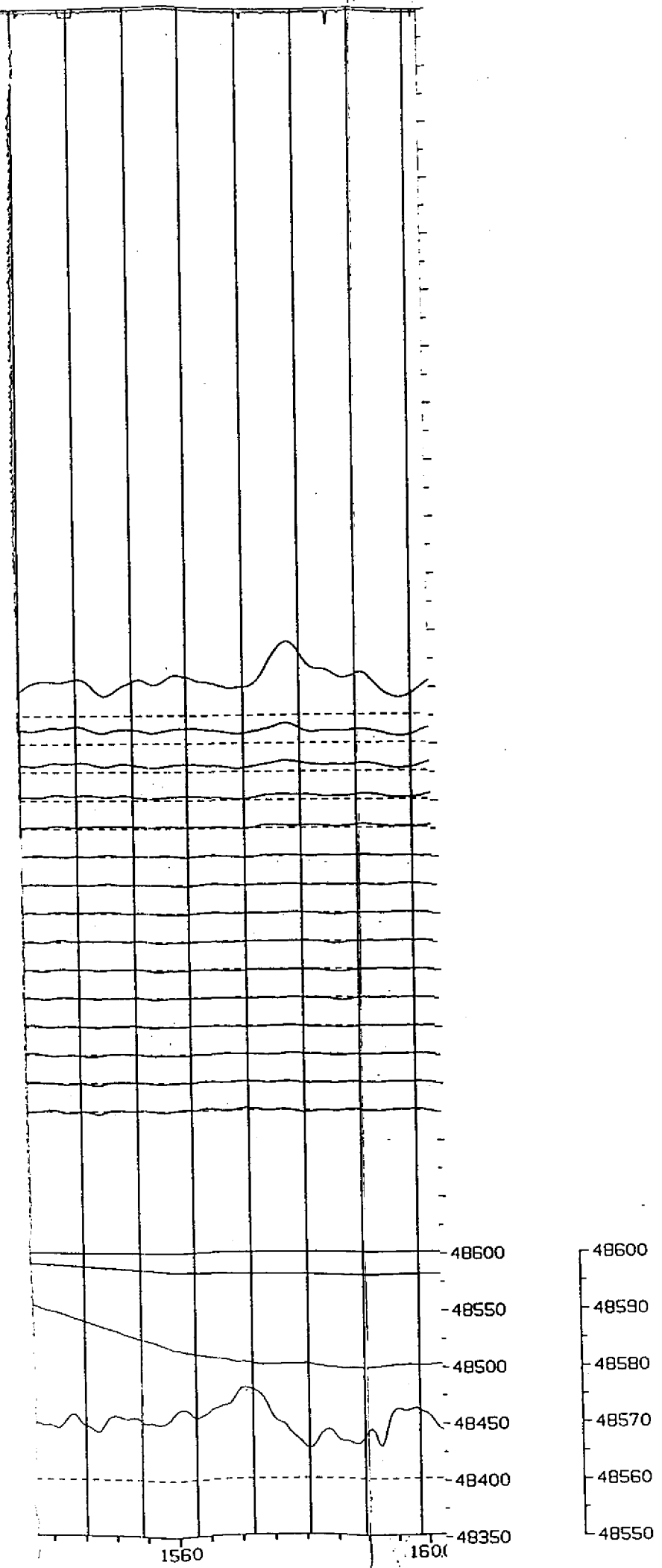
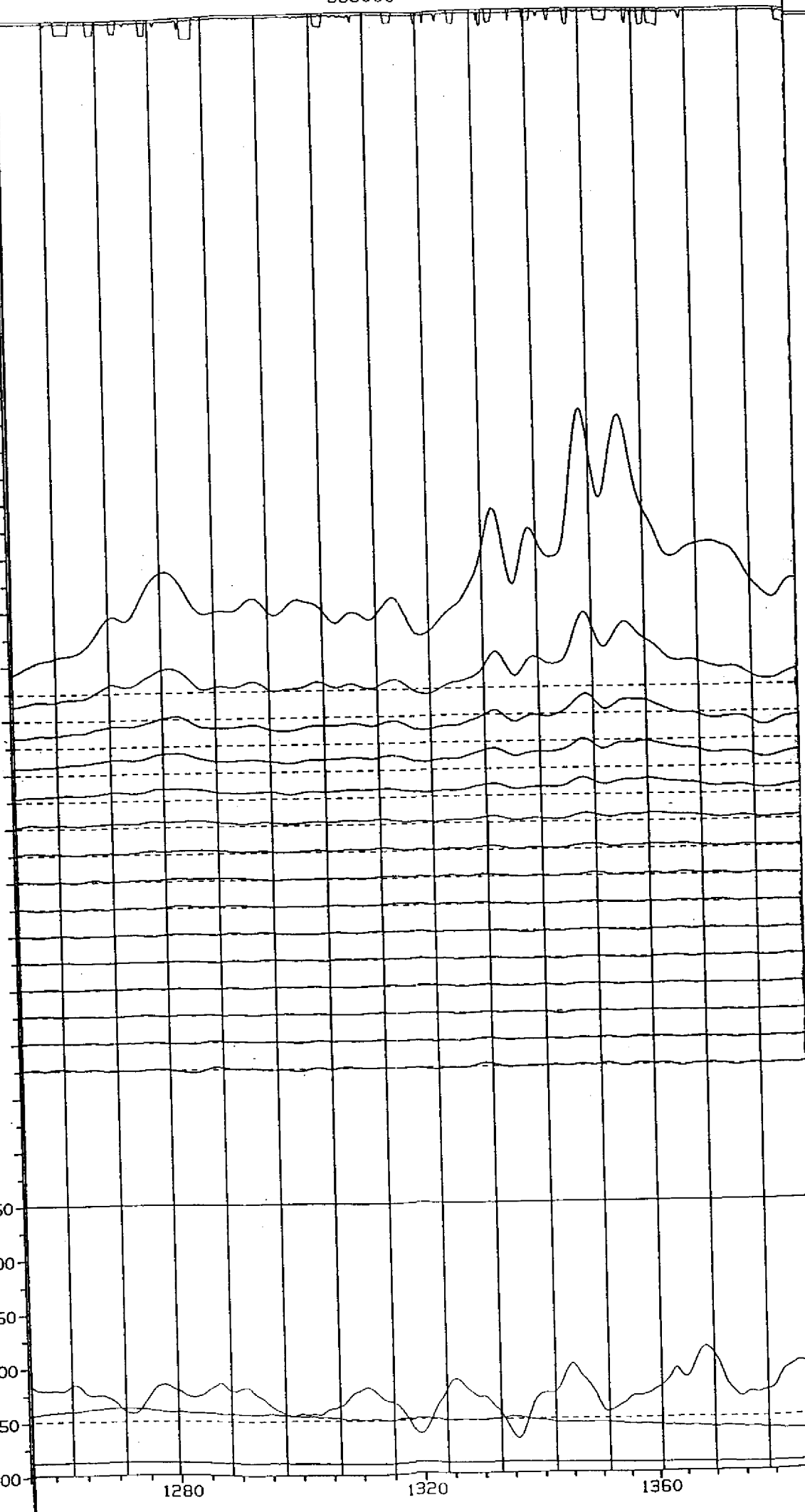
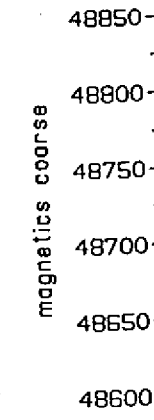
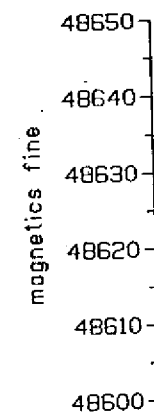
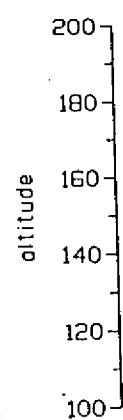
omg metres
 spherics/powerline
 time constant (1msec/cm)



line no. 20430
 flight no. 59
 direction 90
 date flown 03jul92
 time flown 10:29:19.00
 fiducial no. 1135
 line location 8179724
 client BHP
 job 1297
 area Borraloala
 scale 1:50000

time constant (1msec/cm)

ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm



omg metres
spherics/powerline

time constant (1msec/cm)

555000

570000

ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

line no. 20440

flight no. 59

direction 270

date flown 03jul92

time flown 10:44:59.00 10:56:50.00

fiducial no. 2024 2735

line location 8178743 8178703

client BHP

job 1297

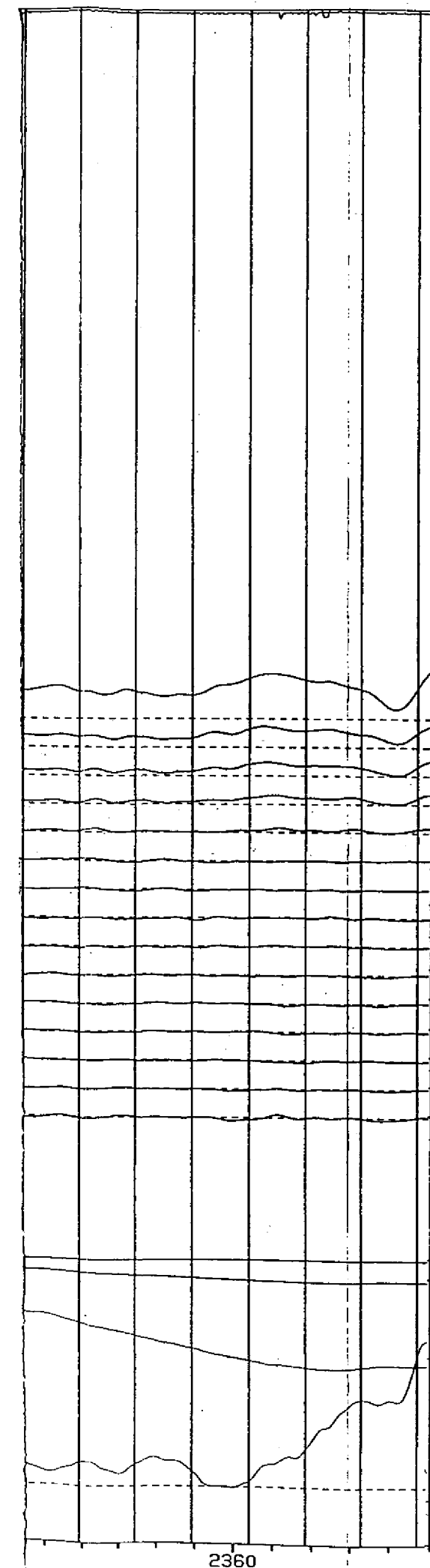
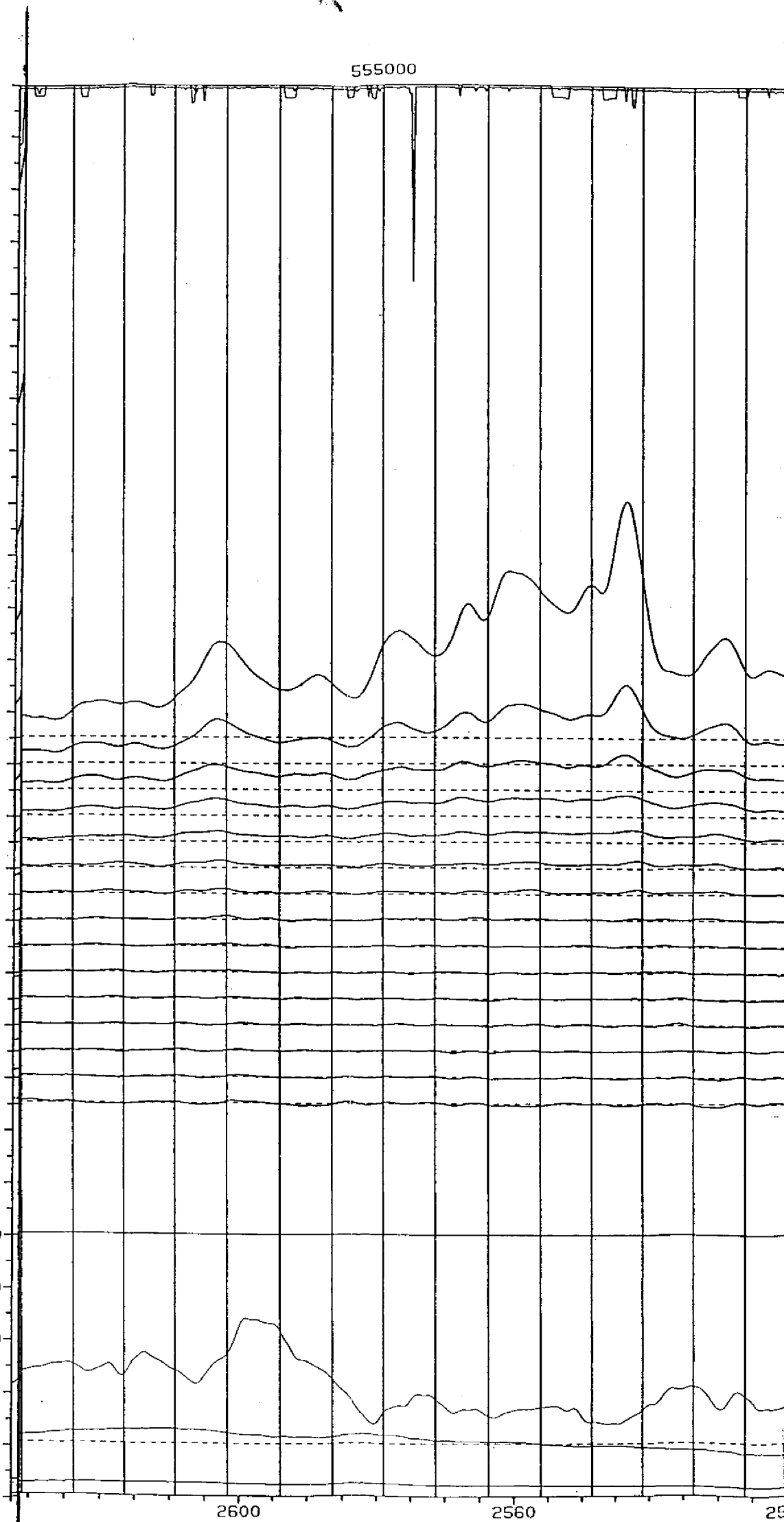
area Borroloola

scale 1:50000

altitude
100
120
140
160
180
200

magnetics fine
48600
48610
48620
48630
48640
48650

magnetics coarse
48600
48650
48700
48750
48800
48850



48600
48550
48500
48450
48400
48350

48600
48590
48580
48570
48560
48550

line no. 20450
 flight no. 59
 direction 90
 date flown 03jul92
 time flown 10:58:14.00 11:12:22.00
 fiducial no. 2765 3613
 line location 8177731 8177723
 client BHP
 job 1297
 area Borroloola
 scale 1:50000

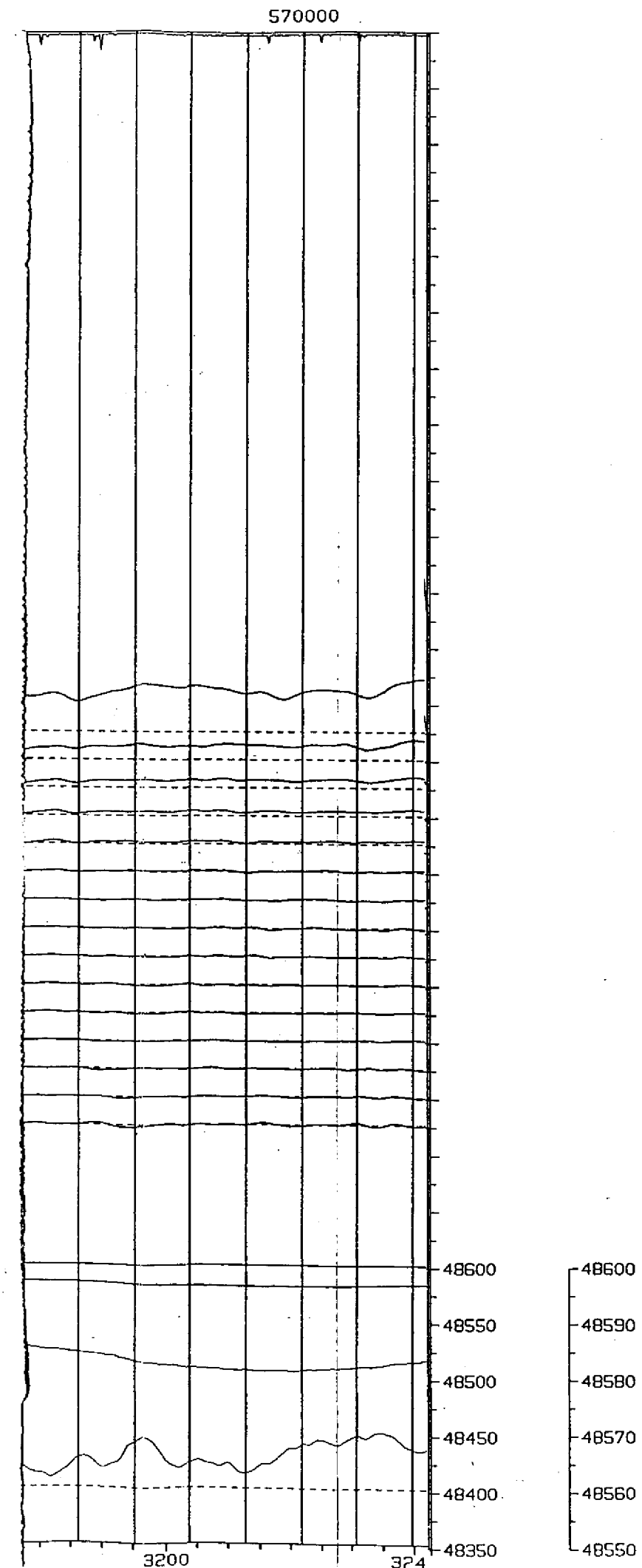
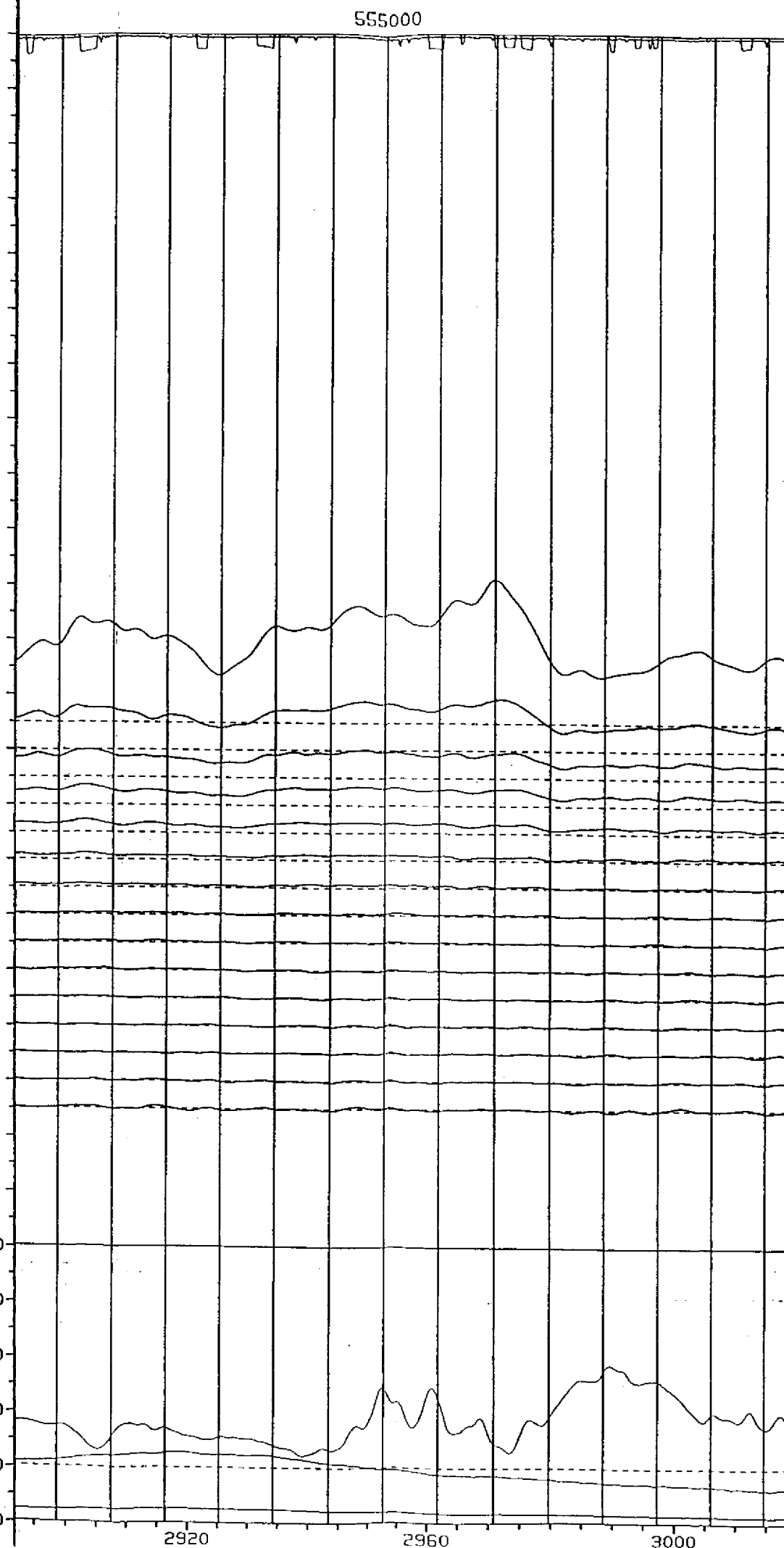
omg metres
 spherics/powerline
 time constant (1msec/cm)

- | | | |
|-------|---------|------------|
| ch 1 | 0.247ms | 1100ppm/cm |
| ch 2 | 0.351ms | 1050ppm/cm |
| ch 3 | 0.455ms | 1000ppm/cm |
| ch 4 | 0.559ms | 950ppm/cm |
| ch 5 | 0.715ms | 900ppm/cm |
| ch 6 | 0.924ms | 850ppm/cm |
| ch 7 | 1.131ms | 800ppm/cm |
| ch 8 | 1.393ms | 750ppm/cm |
| ch 9 | 1.601ms | 700ppm/cm |
| ch 10 | 1.861ms | 650ppm/cm |
| ch 11 | 2.174ms | 600ppm/cm |
| ch 12 | 2.643ms | 550ppm/cm |
| ch 13 | 3.163ms | 500ppm/cm |
| ch 14 | 3.684ms | 450ppm/cm |
| ch 15 | 4.205ms | 400ppm/cm |

altitude
 200
 180
 160
 140
 120
 100

magnetics fine
 48650
 48640
 48630
 48620
 48610
 48600

magnetics coarse
 48850
 48800
 48750
 48700
 48650
 48600



AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no.	20460
flight no.	59
direction	270
date flown	03jul92
time flown	11:25:27.00
fiducial no.	3629
line location	8176754
client	BHP
job	1297
area	Borroaloola
scale	1:50000

altitude

magnetics fine

magnetics coarse

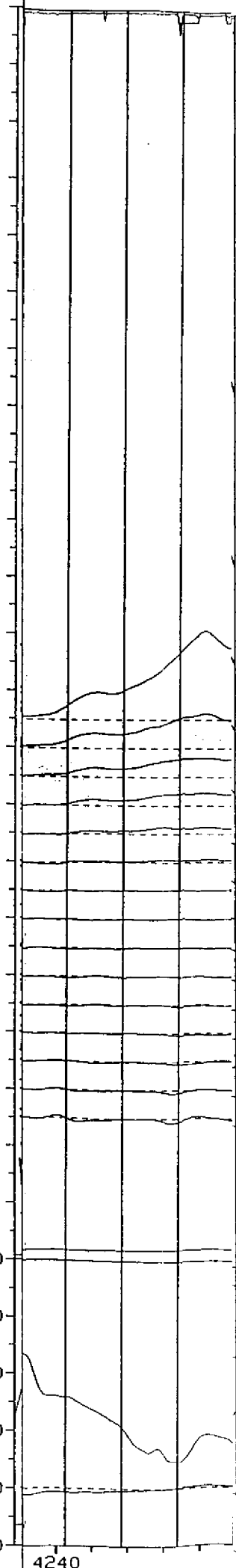
48600
48590
48580
48570
48560
48550

200
180
160
140
120
100

ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

time constant (1msec/cm)

cmg metres
spherics/powerline



AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 20610
 flight no. 61
 direction 90
 date flown 05jul92
 time flown 11:09:13.00 11:27:16.00
 fiducial no. 4281 5364
 line location 8161692 8161678
 client BHP
 job 1297
 area Borroloola
 scale 1:50000

time constant (1msec/cm)

ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

altitude
 200
 180
 160
 140
 120
 100

magnetics fine
 48650
 48640
 48630
 48620
 48610
 48600

magnetics coarse
 48850
 48800
 48750
 48700
 48650
 48600

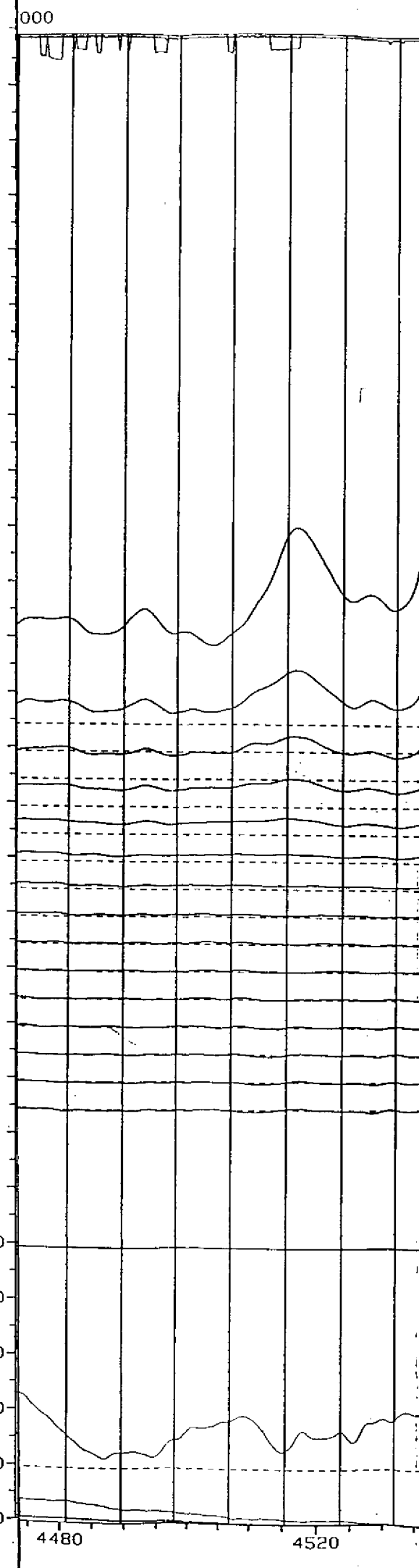
4480

4520

48600
 48550
 48500
 48450
 48400
 48350

48600
 48590
 48580
 48570
 48560
 48550

200
 180
 160
 140
 120
 100



AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 20620
 flight no. 61
 direction 270
 date flown 05jul92
 time flown 11:28:11.00
 fiducial no. 5372
 line location 8160714
 client BHP
 job 1297
 area Borroloola
 scale 1:50000

11:45:11.00
 6392
 8160788

altitude
 200
 180
 160
 140
 120
 100

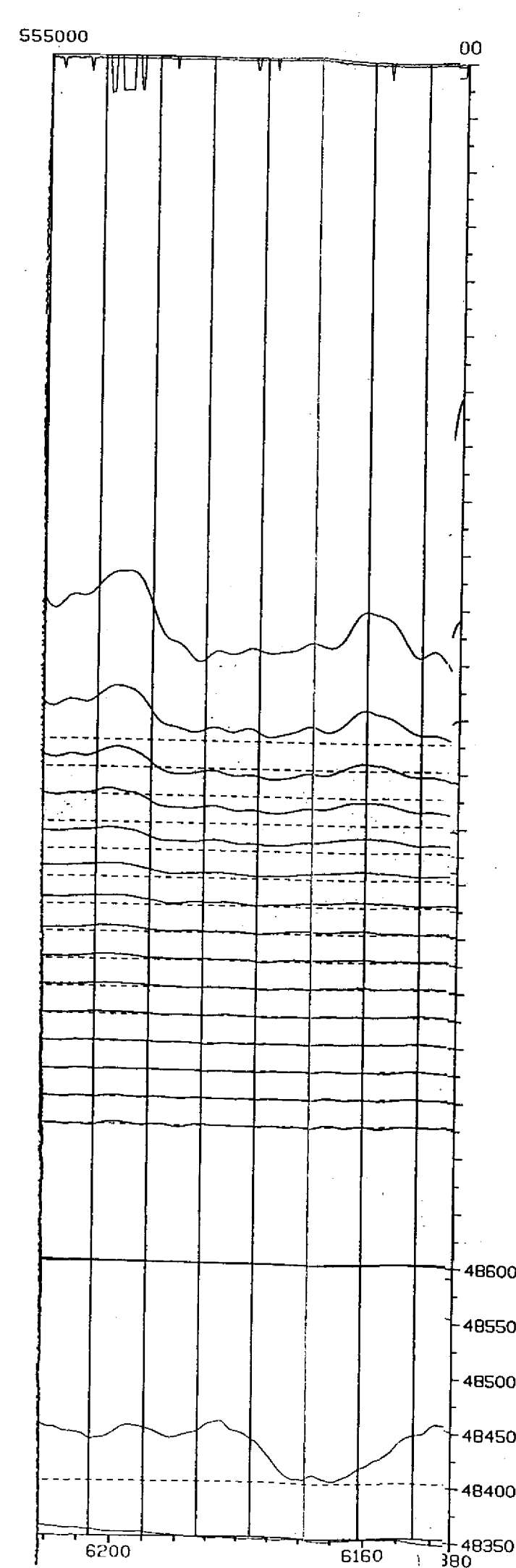
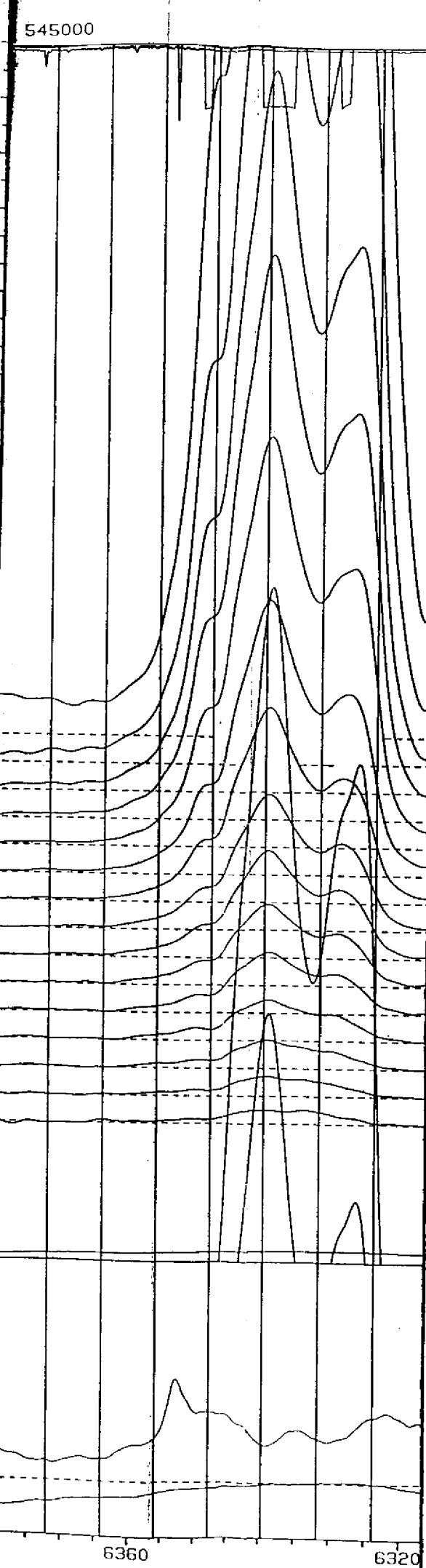
magnetics fine
 48650
 48640
 48630
 48620
 48610
 48600

magnetics coarse
 48600
 48550
 48500
 48450
 48400
 48350

ch 1 0.247ms 1100ppm/cm
 ch 2 0.351ms 1050ppm/cm
 ch 3 0.455ms 1000ppm/cm
 ch 4 0.559ms 950ppm/cm
 ch 5 0.715ms 900ppm/cm
 ch 6 0.924ms 850ppm/cm
 ch 7 1.131ms 800ppm/cm
 ch 8 1.393ms 750ppm/cm
 ch 9 1.601ms 700ppm/cm
 ch 10 1.861ms 650ppm/cm
 ch 11 2.174ms 600ppm/cm
 ch 12 2.643ms 550ppm/cm
 ch 13 3.163ms 500ppm/cm
 ch 14 3.684ms 450ppm/cm
 ch 15 4.205ms 400ppm/cm

time constant (1msec/cm)

omg metres
 spherics/powerline



48600
 48550
 48500
 48450
 48400
 48350

200
 180
 160
 140
 120
 100

AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 20630
 flight no. 61
 direction 90
 date flown 05jul92
 time flown 12:04:37.00
 fiducial no. 7509
 line location 8159745
 client BHP
 job 1297
 area Borrolaba
 scale 1:50000

altitude
 200
 180
 160
 140
 120
 100

magnetics fine
 48650
 48640
 48630
 48620
 48610
 48600

magnetics coarse
 48600
 48550
 48500
 48450
 48400
 48350

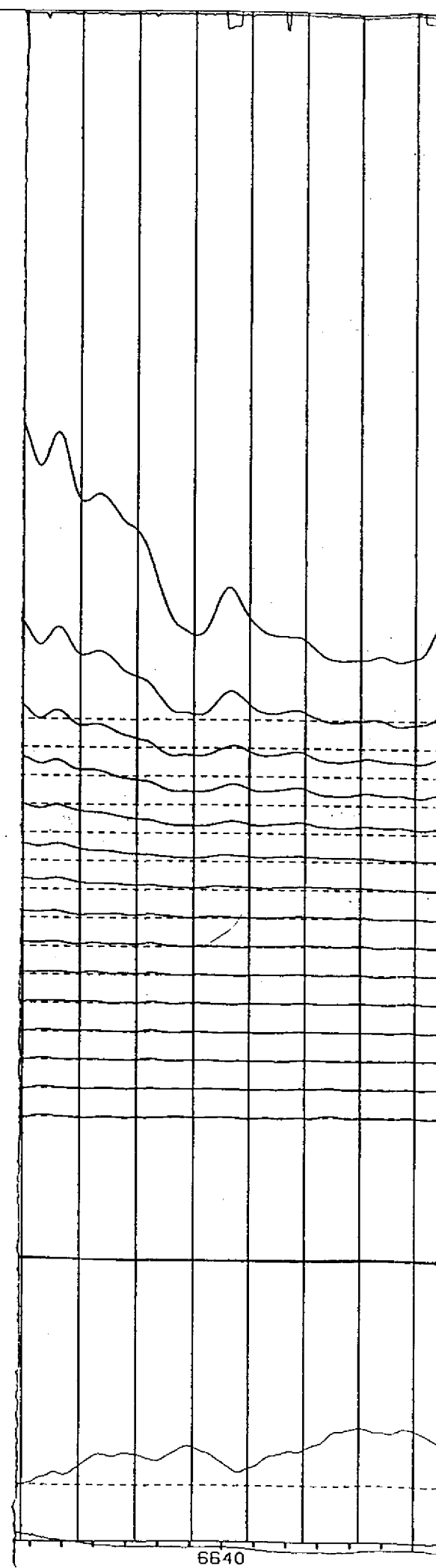
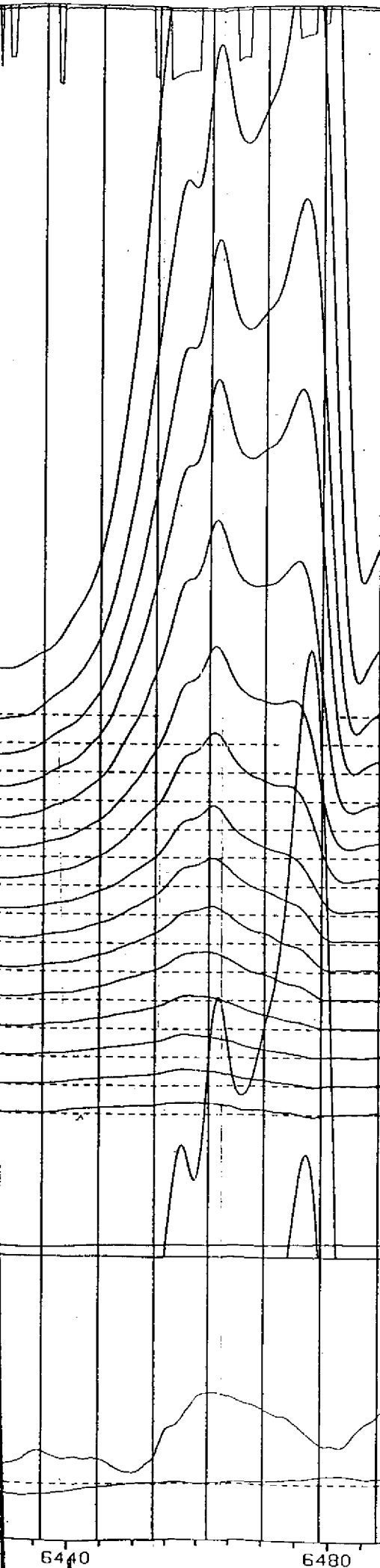
ch 1 0.247ms 1100ppm/cm
 ch 2 0.351ms 1050ppm/cm
 ch 3 0.455ms 1000ppm/cm
 ch 4 0.559ms 950ppm/cm
 ch 5 0.715ms 900ppm/cm
 ch 6 0.924ms 850ppm/cm
 ch 7 1.131ms 800ppm/cm
 ch 8 1.393ms 750ppm/cm
 ch 9 1.601ms 700ppm/cm
 ch 10 1.861ms 650ppm/cm
 ch 11 2.174ms 600ppm/cm
 ch 12 2.643ms 550ppm/cm
 ch 13 3.163ms 500ppm/cm
 ch 14 3.684ms 450ppm/cm
 ch 15 4.205ms 400ppm/cm

time constant (1msec/cm)

mg metres
 spherics/powerline

545000

555000



48600
 48550
 48500
 48450
 48400
 48350

48600
 48590
 48580
 48570
 48560
 48550

200
 180
 160
 140
 120
 100

6440

6480

6640

AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 20640
 flight no. 61
 direction 270
 date flown 05jul92
 time flown 12:05:32.00 12:22:40.00
 fiducial no. 7515 8543
 line location 8158676 8158686
 client BHP
 job 1297
 area Borroloola
 scale 1:50000

altitude
 200
 180
 160
 140
 120
 100

magnetics fine
 48650
 48640
 48630
 48620
 48610
 48600

magnetics coarse
 48850
 48800
 48750
 48700
 48650
 48600

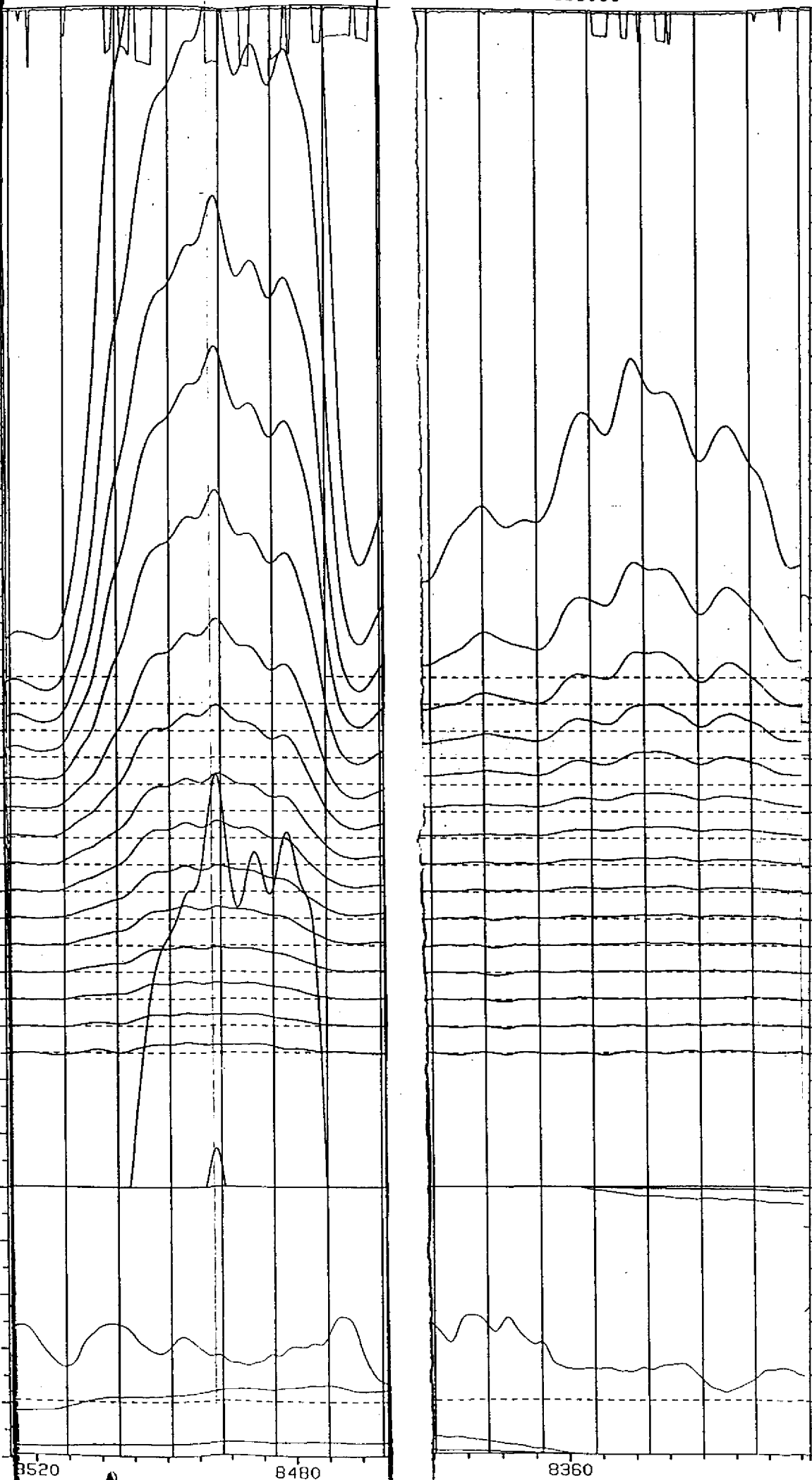
ch 1 0.247ms 1100ppm/cm
 ch 2 0.351ms 1050ppm/cm
 ch 3 0.455ms 1000ppm/cm
 ch 4 0.559ms 950ppm/cm
 ch 5 0.715ms 900ppm/cm
 ch 6 0.924ms 850ppm/cm
 ch 7 1.131ms 800ppm/cm
 ch 8 1.393ms 750ppm/cm
 ch 9 1.601ms 700ppm/cm
 ch 10 1.861ms 650ppm/cm
 ch 11 2.174ms 600ppm/cm
 ch 12 2.643ms 550ppm/cm
 ch 13 3.163ms 500ppm/cm
 ch 14 3.684ms 450ppm/cm
 ch 15 4.205ms 400ppm/cm

time constant (1msec/cm)

omg metres
 spherics/powerline

545000

555000



48600
 48550
 48500
 48450
 48400
 48350

48600
 48590
 48580
 48570
 48560
 48550

200
 180
 160
 140
 120
 100

AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 20650
 flight no. 61
 direction 90
 date flown 05jul92
 time flown 12:23:49.00 12:30:50.00
 fiducial no. 8566 8987
 line location 8157675 8157724
 client BHP
 job 1297
 area Borroloola
 scale 1:50000

time constant (1msec/cm)

omg metres
 spherics/powerline

ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

altitude
 200
 180
 160
 140
 120
 100

magnetics fine
 48650
 48640
 48630
 48620
 48610
 48600

magnetics coarse
 48850
 48800
 48750
 48700
 48650
 48600

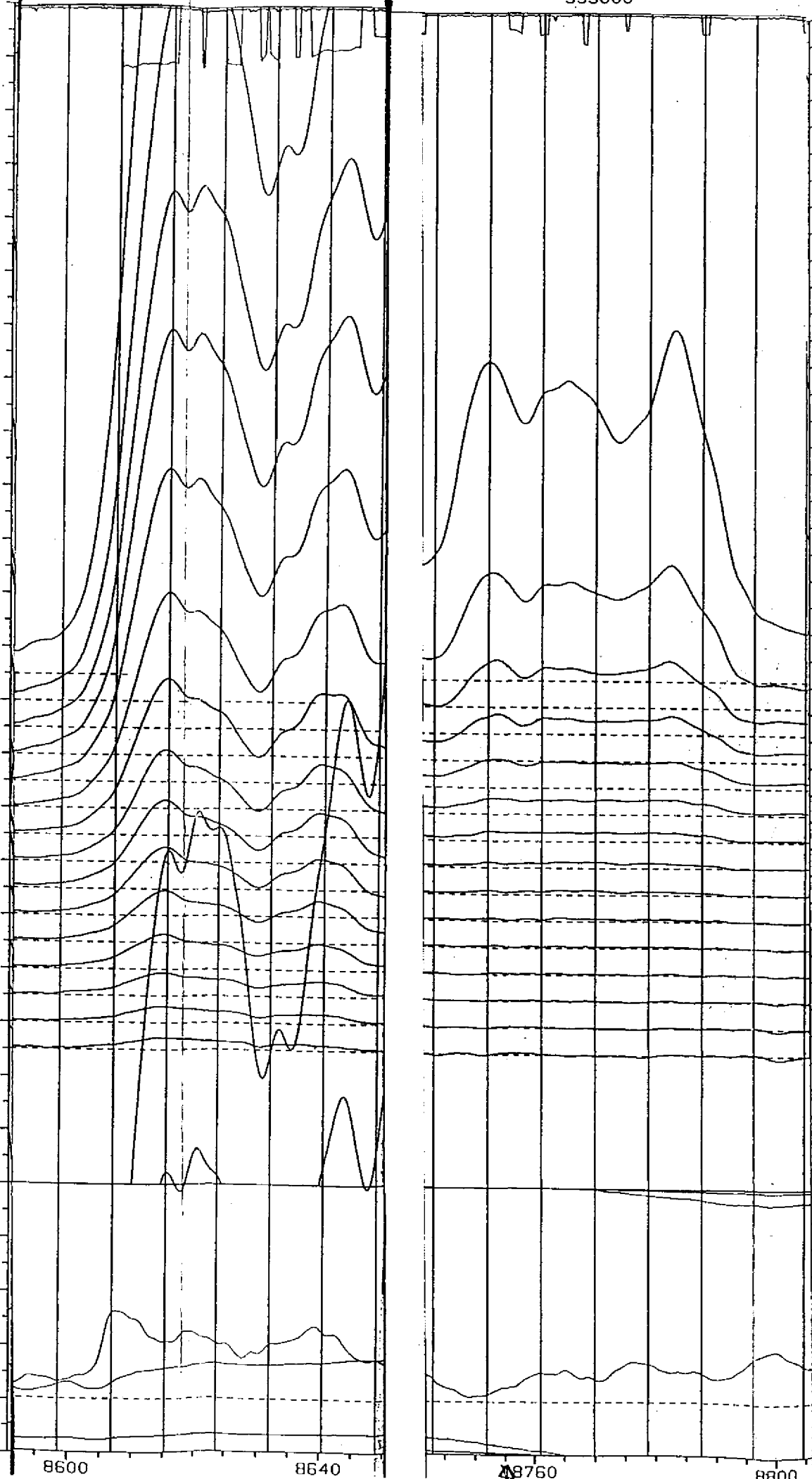
545000

555000

48600
 48550
 48500
 48450
 48400
 48350

48600
 48590
 48580
 48570
 48560
 48550

200
 180
 160
 140
 120
 100



Base frequency 11346 Hz

line no. 20660
flight no. 61
direction 270
date flown 05jul92
time flown 13:11:40.00
fiducial no. 10340
line location 8156764
client BHP
job 1297
area Borroloola
scale 1:50000

dmg metres
spherics/powerline

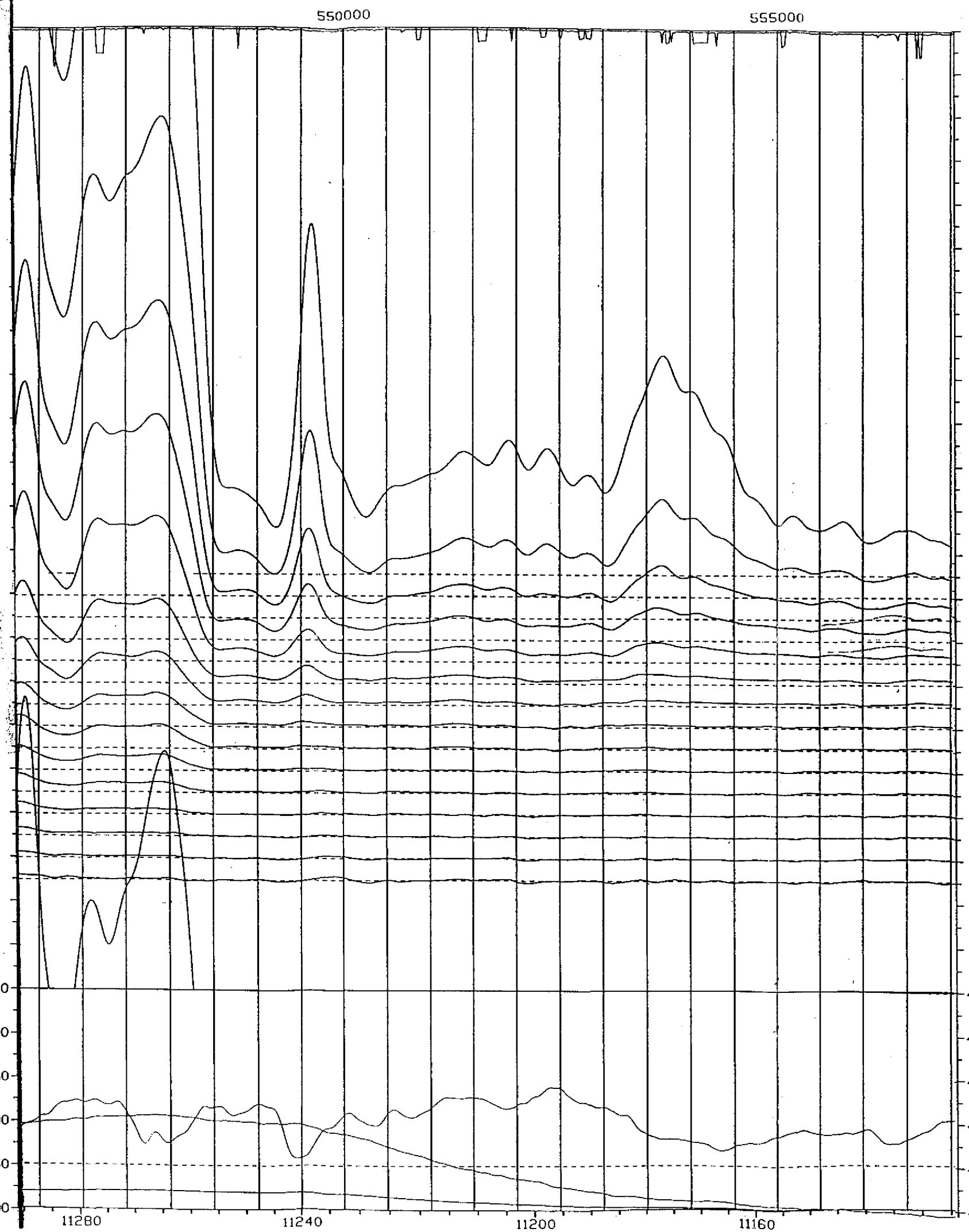
time constant (1msec/cm)

- ch 1 0.247ms 1100ppm/cm
- ch 2 0.351ms 1050ppm/cm
- ch 3 0.455ms 1000ppm/cm
- ch 4 0.559ms 950ppm/cm
- ch 5 0.715ms 900ppm/cm
- ch 6 0.924ms 850ppm/cm
- ch 7 1.131ms 800ppm/cm
- ch 8 1.393ms 750ppm/cm
- ch 9 1.601ms 700ppm/cm
- ch 10 1.861ms 650ppm/cm
- ch 11 2.174ms 600ppm/cm
- ch 12 2.643ms 550ppm/cm
- ch 13 3.163ms 500ppm/cm
- ch 14 3.684ms 450ppm/cm
- ch 15 4.205ms 400ppm/cm

altitude
100
120
140
160
180
200

magnetics fine
48600
48610
48620
48630
48640
48650

magnetics coarse
48600
48650
48700
48750
48800
48850



48600
48650
48700
48750
48800
48850

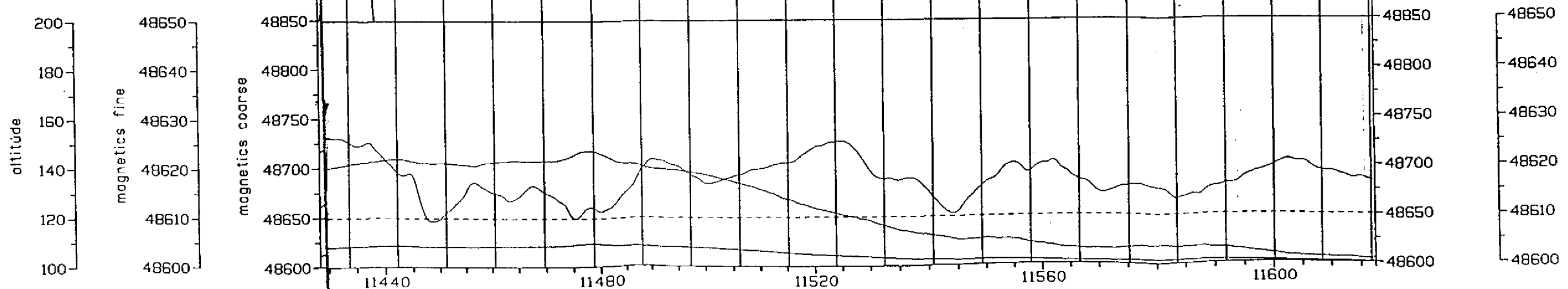
48600
48650
48700
48750
48800
48850

base frequency 75.0 MHz

line no. 20670
flight no. 61
direction 90
date flown 05jul92
time flown 13:29:37.00 13:47:55.00
fiducial no. 11367 12465
line location 8155805 8155773
client BHP
job 1297
area Borroloola
scale 1:50000

omg metres
spherics/powerline
time constant (1msec/cm)

ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.501ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm



AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 20680
 flight no. 62
 direction 270
 date flown 06jul92
 time flown 07:14:39.00 07:31:54.00
 fiducial no. 380 1415
 line location 8154829 8154743
 client BHP
 job 1297
 area Borroladla
 scale 1:50000

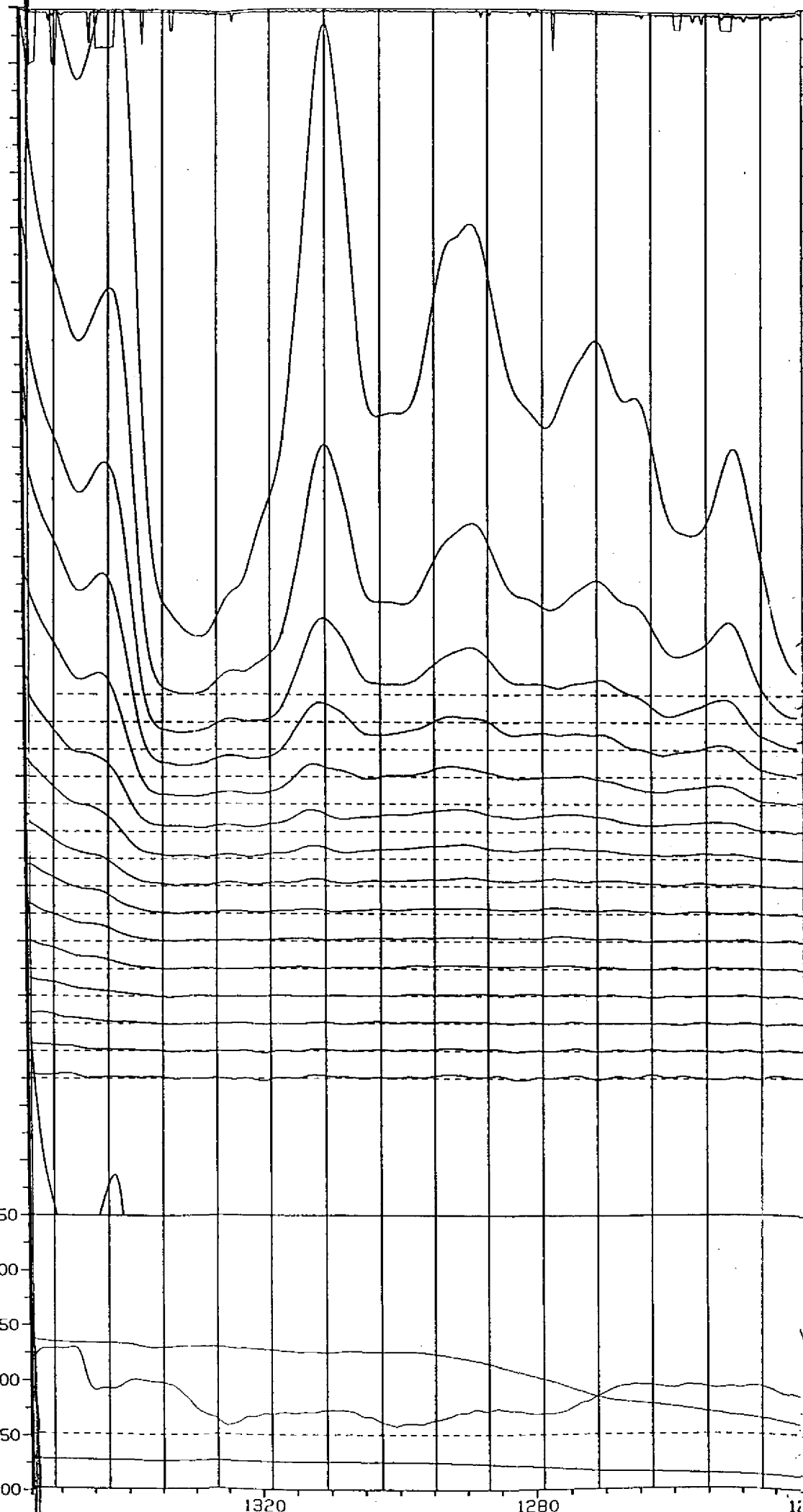
time constant (1msec/cm)

ch 1	0.247ms	1100ppm/cm
ch 2	0.351ms	1050ppm/cm
ch 3	0.455ms	1000ppm/cm
ch 4	0.559ms	950ppm/cm
ch 5	0.715ms	900ppm/cm
ch 6	0.924ms	850ppm/cm
ch 7	1.131ms	800ppm/cm
ch 8	1.393ms	750ppm/cm
ch 9	1.601ms	700ppm/cm
ch 10	1.861ms	650ppm/cm
ch 11	2.174ms	600ppm/cm
ch 12	2.643ms	550ppm/cm
ch 13	3.163ms	500ppm/cm
ch 14	3.684ms	450ppm/cm
ch 15	4.205ms	400ppm/cm

altitude
 200
 180
 160
 140
 120
 100

magnetics fine
 48650
 48640
 48630
 48620
 48610
 48600

magnetics coarse
 48850
 48800
 48750
 48700
 48650
 48600



magnetics fine
 48650
 48640
 48630
 48620
 48610
 48600

altitude
 200
 180
 160
 140
 120
 100

AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 20690
 flight no. 62
 direction 90
 date flown 06jul92
 time flown 07:33:05.00 07:51:38.00
 fiducial no. 1435 2548
 line location 8153790 8153747
 client BHP
 job 1297
 area Borroloola
 scale 1:50000

altitude
 200
 180
 160
 140
 120
 100

magnetics fine
 48650
 48640
 48630
 48620
 48610
 48600

magnetics coarse
 48850
 48800
 48750
 48700
 48650
 48600

1520 1560 1600

48850 48800 48750 48700 48650 48600

48850 48800 48750 48700 48650 48600

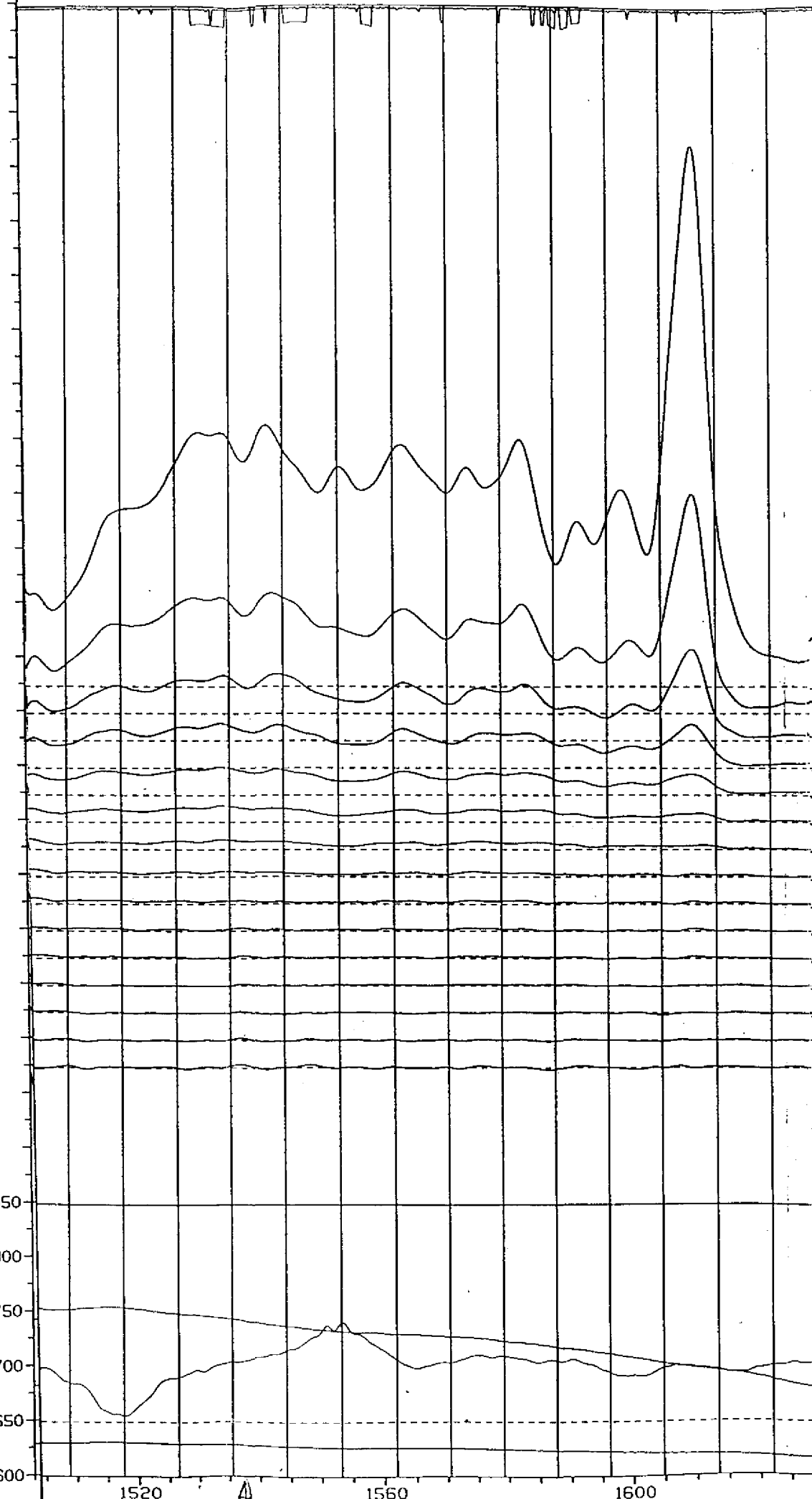
200 180 160 140 120 100

ch 1 0.247ms 1100ppm/cm
 ch 2 0.351ms 1050ppm/cm
 ch 3 0.455ms 1000ppm/cm
 ch 4 0.559ms 950ppm/cm
 ch 5 0.715ms 900ppm/cm
 ch 6 0.924ms 850ppm/cm
 ch 7 1.131ms 800ppm/cm
 ch 8 1.393ms 750ppm/cm
 ch 9 1.601ms 700ppm/cm
 ch 10 1.861ms 650ppm/cm
 ch 11 2.174ms 600ppm/cm
 ch 12 2.643ms 550ppm/cm
 ch 13 3.163ms 500ppm/cm
 ch 14 3.684ms 450ppm/cm
 ch 15 4.205ms 400ppm/cm

time constant (1msec/cm)

omg metres
 spherics/powerline

550000



AERODATA QUESTEM SYSTEM

Base frequency 75.0 Hz.

line no. 20700
 flight no. 62
 direction 270
 date flown 06jul92
 time flown 07:52:30.00 08:09:55.00
 fiducial no. 2557 3602
 line location 8152805 8152710
 client BHP
 job 1297
 area Borroloola
 scale 1:50000

altitude
 200
 180
 160
 140
 120
 100

magnetics fine
 48650
 48640
 48630
 48620
 48610
 48600

magnetics coarse
 48850
 48800
 48750
 48700
 48650
 48600

ch 1 0.247ms 1100ppm/cm
 ch 2 0.351ms 1050ppm/cm
 ch 3 0.455ms 1000ppm/cm
 ch 4 0.559ms 950ppm/cm
 ch 5 0.715ms 900ppm/cm
 ch 6 0.924ms 850ppm/cm
 ch 7 1.131ms 800ppm/cm
 ch 8 1.393ms 750ppm/cm
 ch 9 1.601ms 700ppm/cm
 ch 10 1.861ms 650ppm/cm
 ch 11 2.174ms 600ppm/cm
 ch 12 2.643ms 550ppm/cm
 ch 13 3.163ms 500ppm/cm
 ch 14 3.684ms 450ppm/cm
 ch 15 4.205ms 400ppm/cm

time constant (lmsec/cm)

omg metres
 spherics/powerline

550000



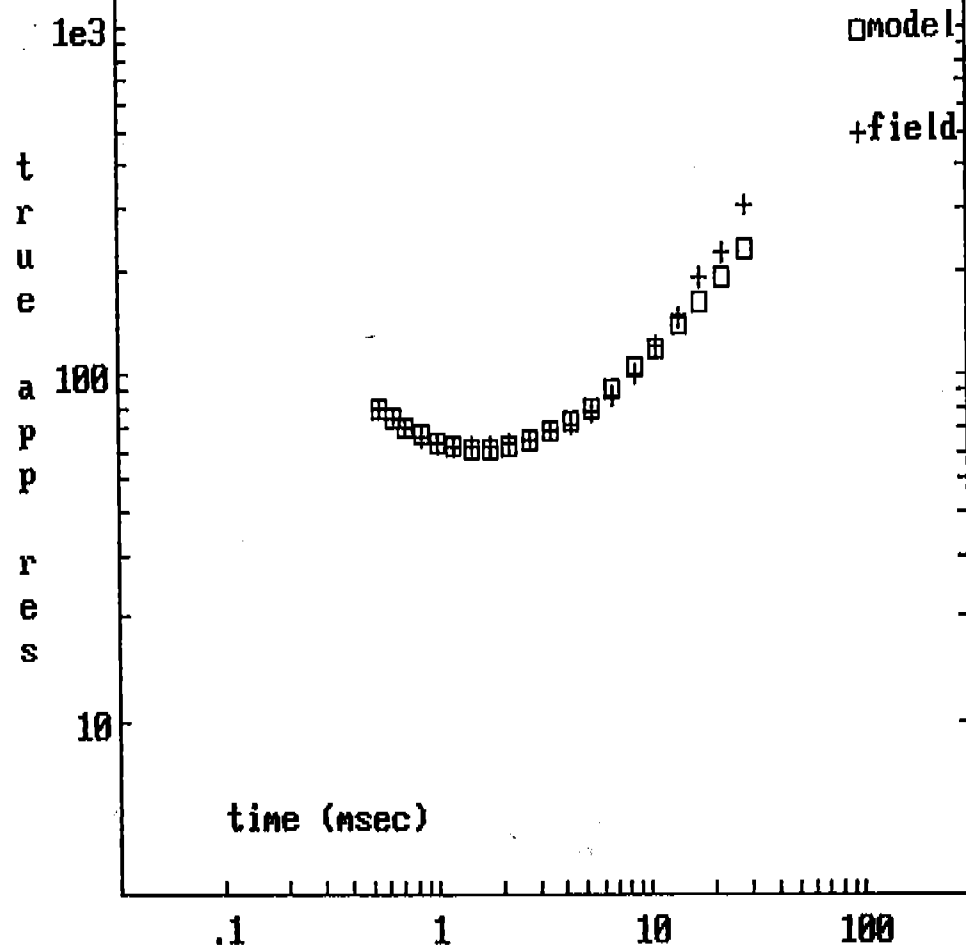
48650
 48640
 48630
 48620
 48610
 48600

200
 180
 160
 140
 120
 100

APPENDIX 8

TEM SOUNDING DATA

Sounding 116415 : Ver 2



SOUNDING: 116415 : Vers c
Tobacco Yard T116/415 6.25 Hz loop corrected

116415A

(320 ohm.m) * 51.1 m.
* 51.1 m.

(320)

* 47.2 ohm.m * 284 m.

* 47.2

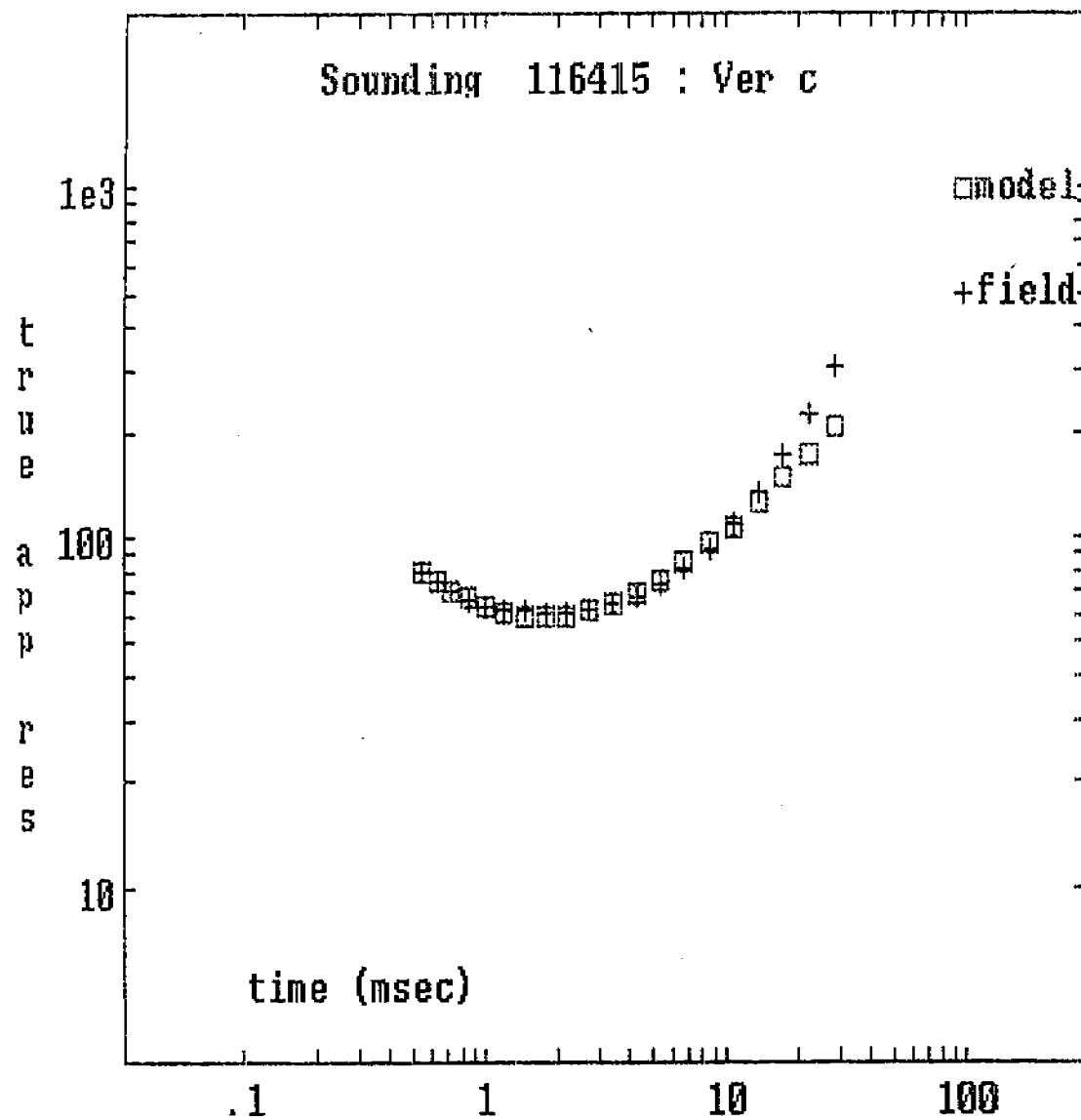
3006 ohm.m * 315 m.

3006

STD ERR- 3.9% : S- 6 S

E= 4%

S= 6S



SOUNDING: 116415 : Vers 2
Tobacco Yard T116/415 6.25 Hz

(322 ohm.m) * 52.3 m.
* 52.3 m.

* 47.0 ohm.m * 244 m.

3015 ohm.m * 296 m.

STD ERR= 3.5% : S= 5 S

116415A

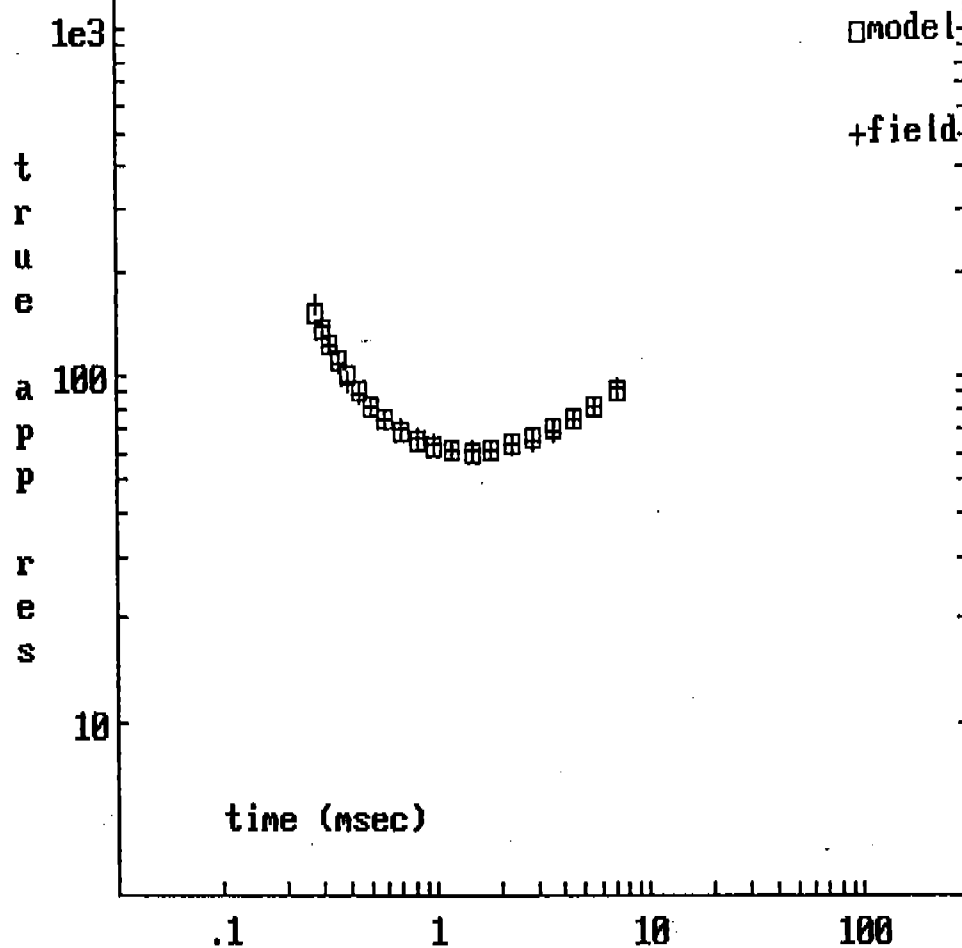
(322)

* 47.0

301

E= 3
S= 5

Sounding 116415 : Ver 1



SOUNDING: 116415 : Vers 1
Tobacco Yard T116/415 25 Hz

(356 ohm.m) * 68.0 m.

* 68.0 m.

* 37.1 ohm.m * 149 m.

* 217 m.

* 202 ohm.m

STD ERR= 3.0% : S= 4 S

116415A

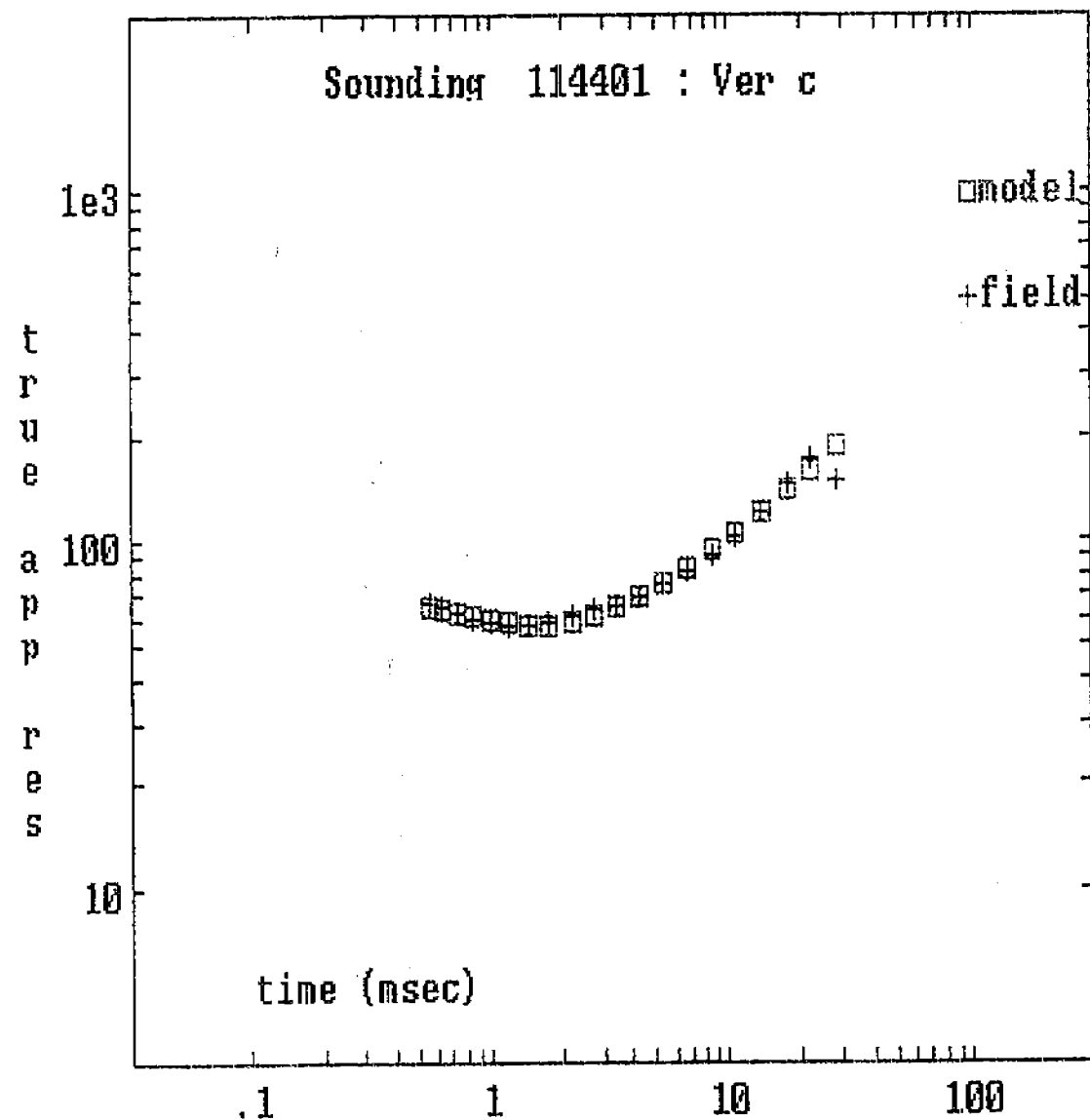
(356)

* 37.1

* 202

E= 3%

S= 4



SOUNDING: 114401 : Vers c
Tobacco Yard T114/401 6.25 Hz loop corrected

114401A

* 66.5 ohm.m 124 m.

* 66.5

(124 m.)

* 50.1 ohm.m 190 m.

* 50.1

* 314 m.
1049 ohm.m

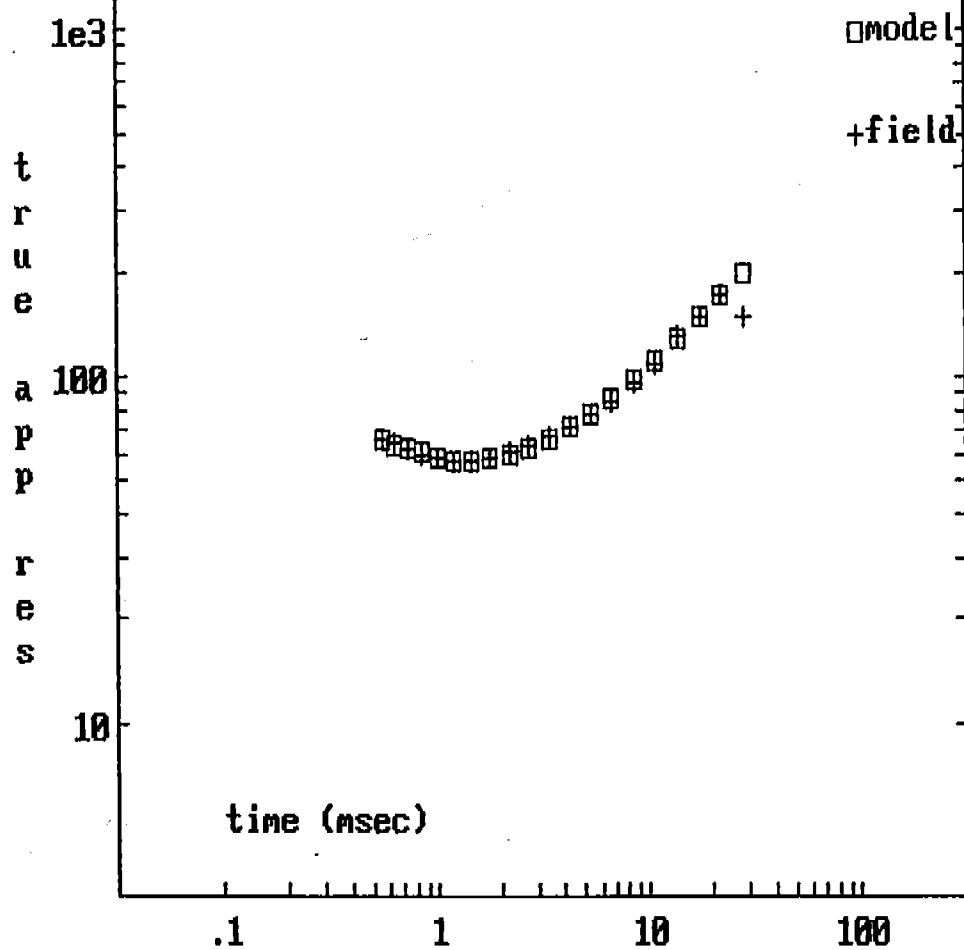
1049

STD ERR= 9.3% : S= 6 S

E= 3%

S= 6S

Sounding 114401 : Ver 2



SOUNDING: 114401 : Vers 2
Tobacco Yard T114/401 6.25 Hz

* 68.1 ohm.m 117 m.

(117 m.)

* 48.7 ohm.m 177 m.

* 294 m.

1086 ohm.m

STD ERR= 2.2% : S= 5 S

* 68.1

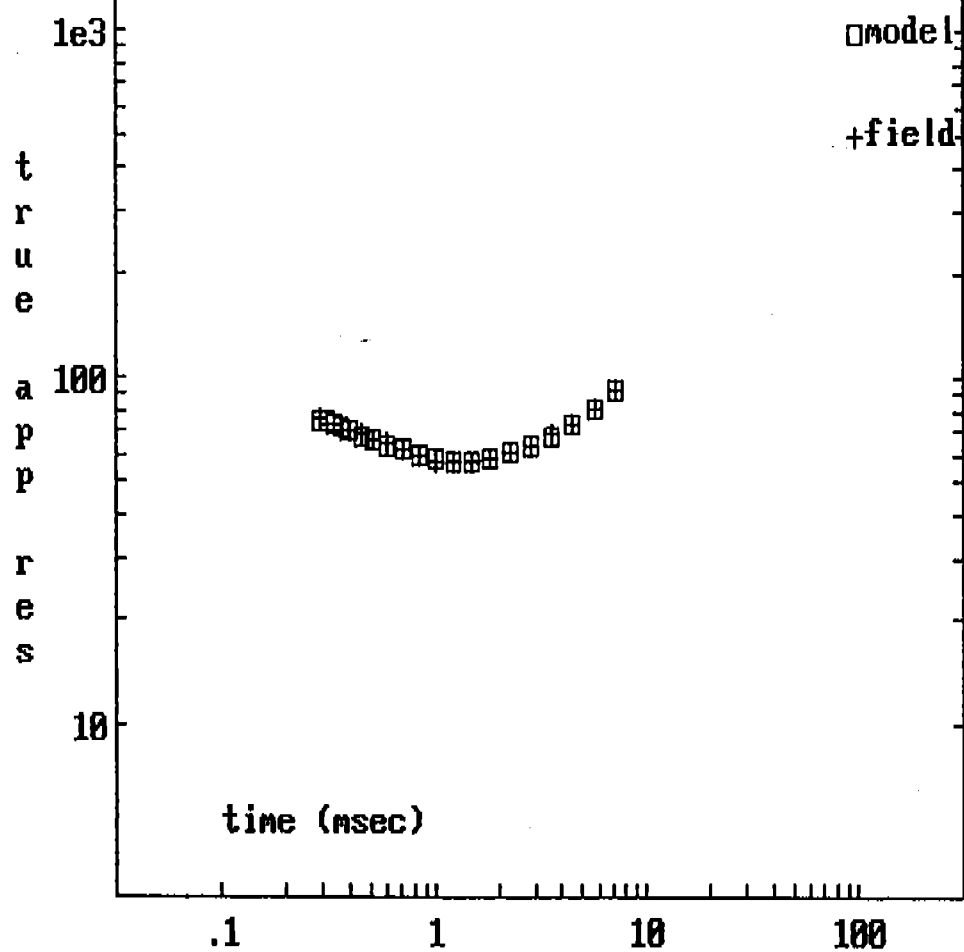
* 48.7

1086

E= 2%

S=

Sounding 114401 : Ver 1



SOUNDING: 114401 : Vers 1
Tobacco Yard T114/401 25 Hz

* 79.4 ohm.m (26.9 m.) {26.9 m.}

* 65.9 ohm.m 77.8 m.

105 m.

* 47.3 ohm.m 166 m.

* 271 m.

454 ohm.m

STD ERR= .9% : S= 5 S

* 79.4

* 65.9

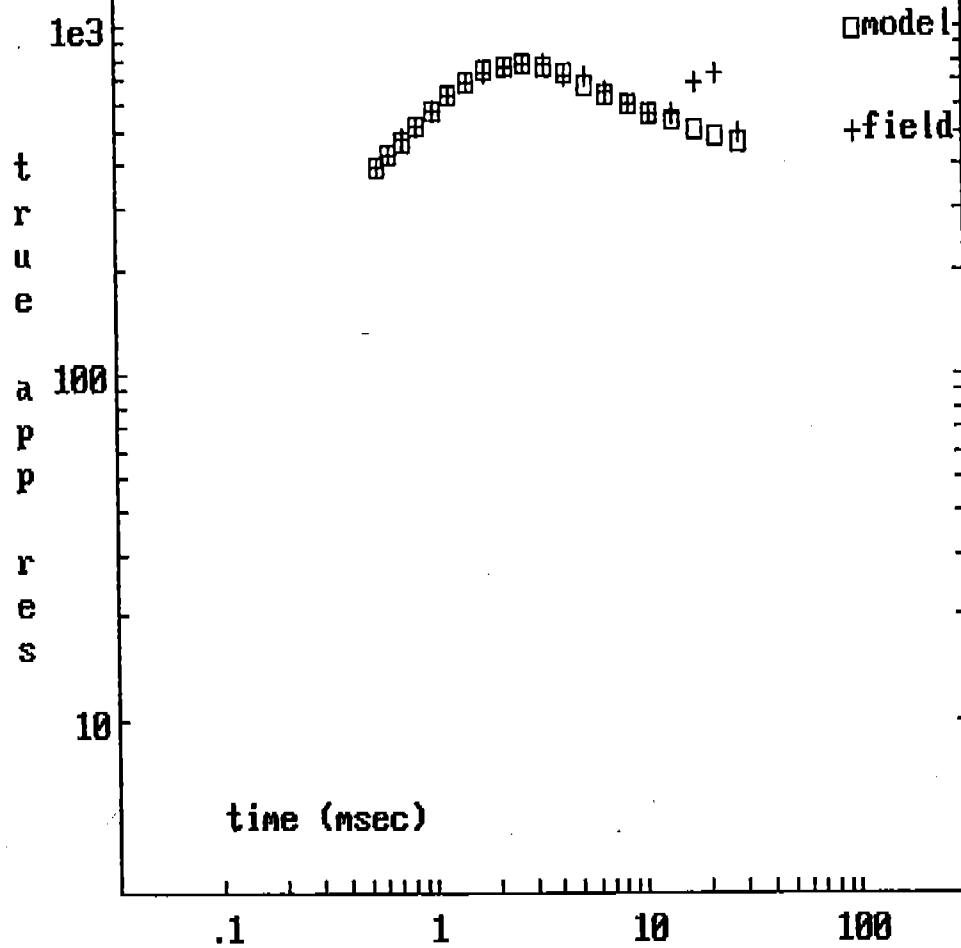
* 47.3

454

E= 1%

S= 5!

Sounding 112438 : Ver 2



SOUNDING: 112438 : Vers 2
Tobacco Yard T112/438 6.25 Hz

* 206 ohm.m 111 m.
111 m.

2014 ohm.m * 975 m.

* 315 ohm.m * 1086 m.

STD ERR= 1.5% : S= 1 S

E= 1%
S=

Sounding 112438 : Ver 1

1e3

□model

+field

t
r
u
e
a
p
p
r
e
s

100

10

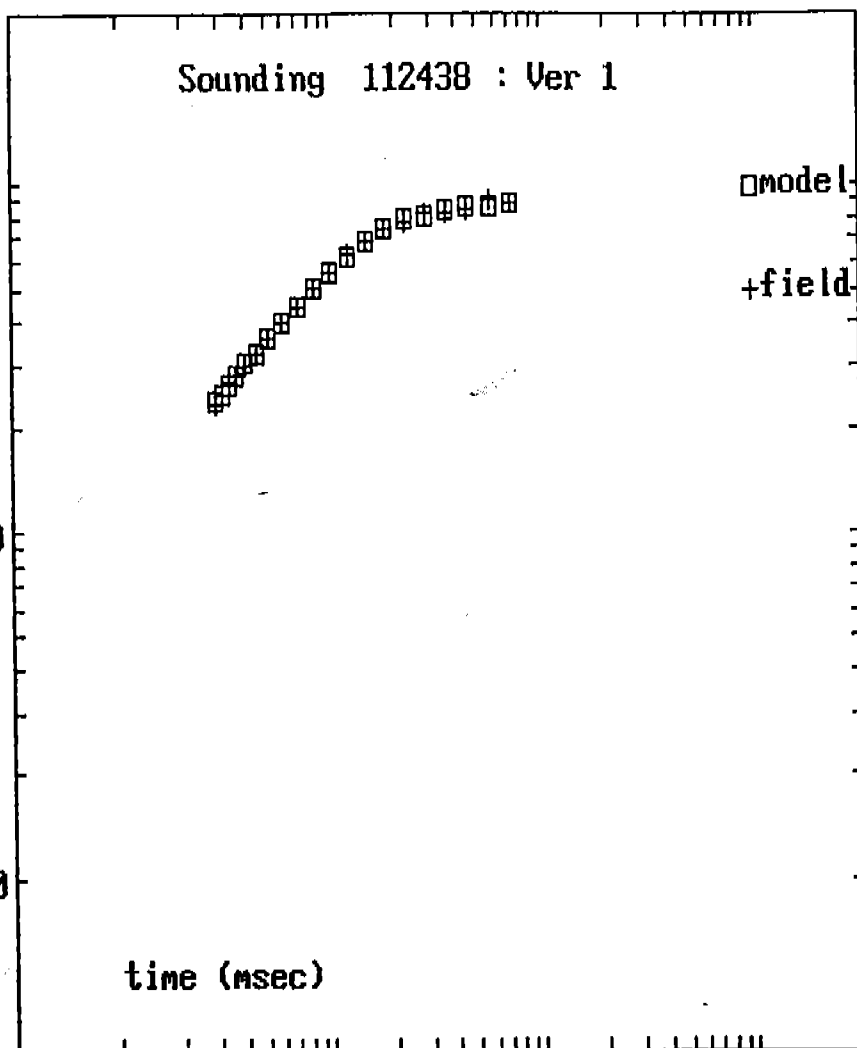
time (msec)

.1

1

10

100



SOUNDING: 112438 : Vers 1
Tobacco Yard T112/438 25 Hz

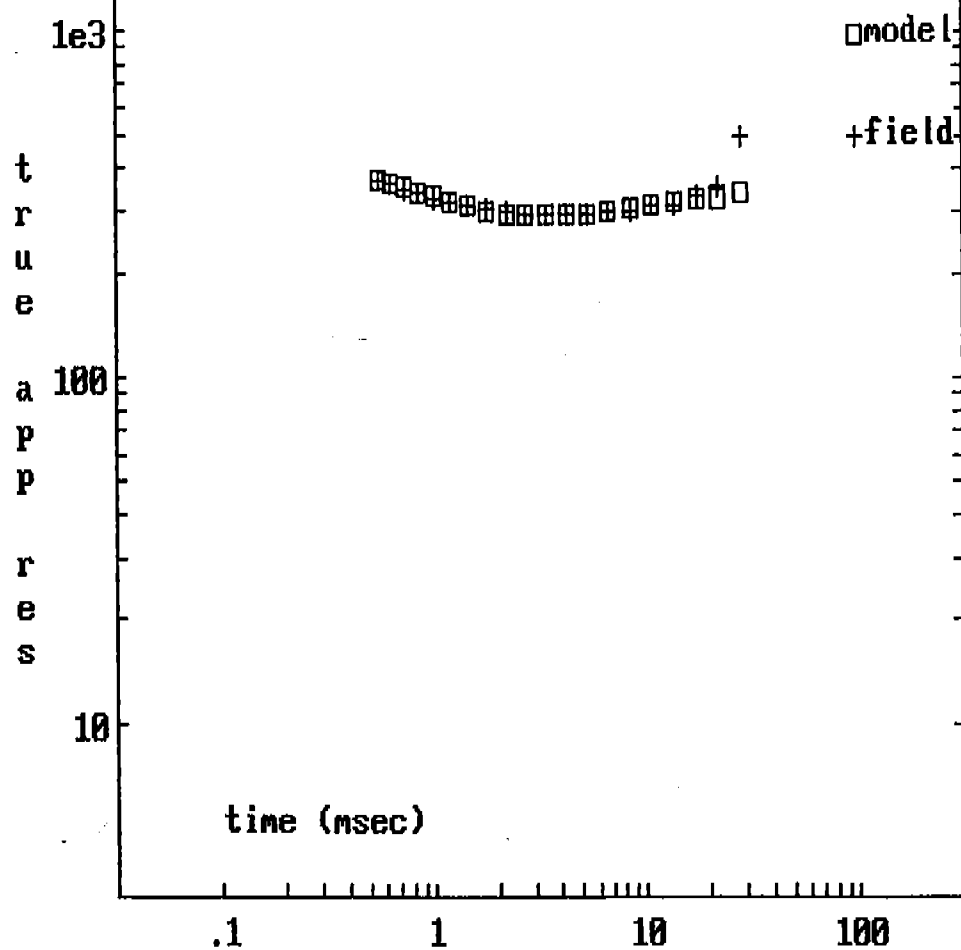
* 213 ohm.m * 118 m. * 118 m.

2227 ohm.m 854 m.

* 651 ohm.m * 973 m.

STD ERR= 2.1% : S= 1 S

E= 2%
S=

[illegible]

SOUNDING: 112423 : Vers 2
Tobacco Yard T112/423 6.25 Hz

* 361 ohm.m * 440 m.

* 440 m.

157 ohm.m 171 m.

* 612 m.

* 399 ohm.m

STD ERR= 1.5% : S= 2 S

* 35

15

* 3

E= 2%

S=

Sounding 112423 : Ver 1

1e3

□model

+field

t
r
u
e
a
p
p
r
e
s

100

10

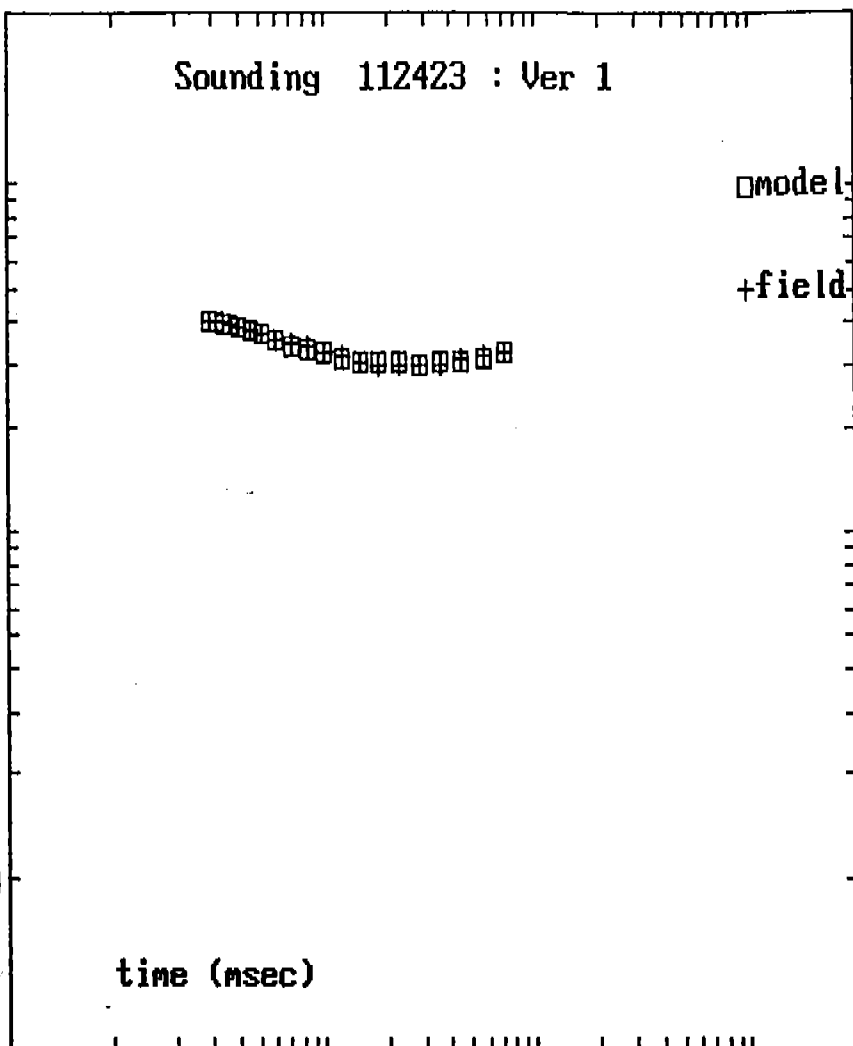
time (msec)

.1

1

10

100



SOUNDING: 112423 : Vers 1
Tobacco Yard T112/423 25 Hz

* 393 ohm.m * 301 m.

* 301 m.

* 184 ohm.m (142 m.)

* 315 ohm.m * 444 m.

STD ERR= 1.8% : S= 2 S

112423A

* 393

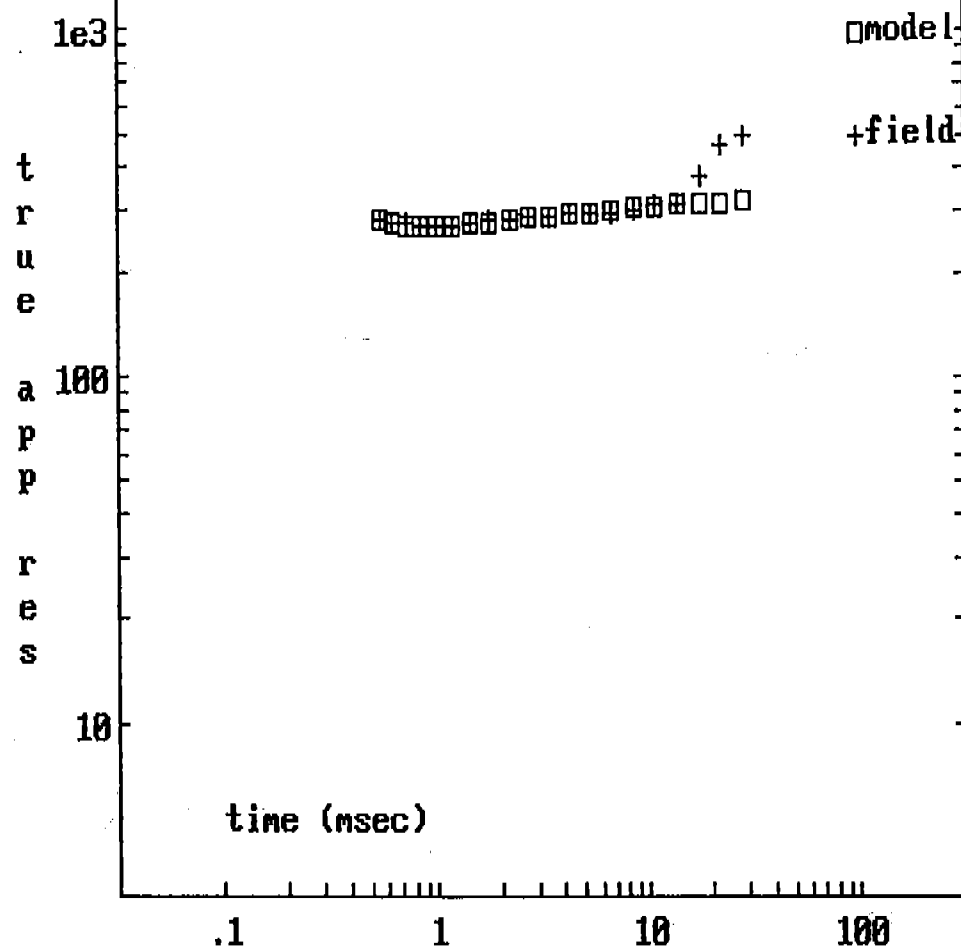
* 184

* 315

E= 2%

S=

Sounding 110427 : Ver 2



SOUNDING: 110427 : Vers 2
Tobacco Yard T110/427 6.25 Hz

327 ohm.m 176 m.

(176 m.)

193 ohm.m (119 m.)

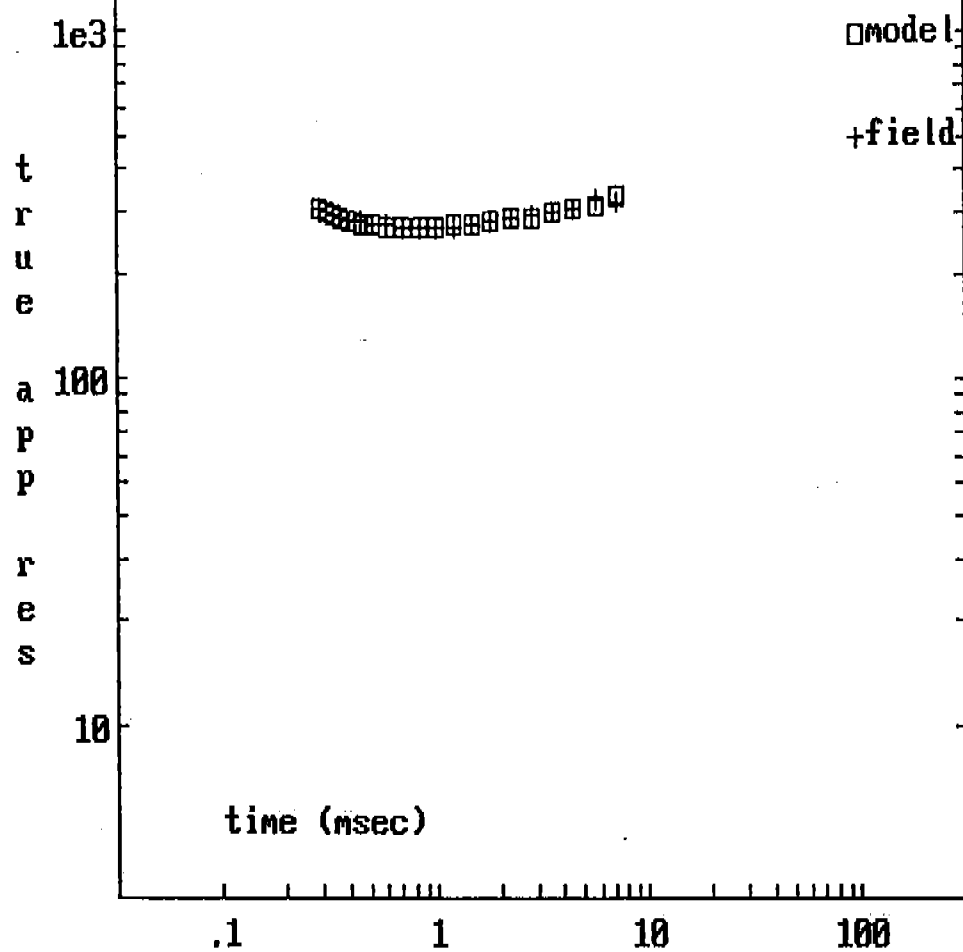
295 m.

* 341 ohm.m

STD ERR= 1.3% : S= 1 S

E=
S=

Sounding 110427 : Ver 1



SOUNDING: 110427 : Vers 1
Tobacco Yard T110/427 25 Hz

* 314 ohm.m * 169 m.

_____ 169 m.

* 200 ohm.m (115 m.)

_____ * 283 m.

* 342 ohm.m

STD ERR= 2.2% : S= 1 S

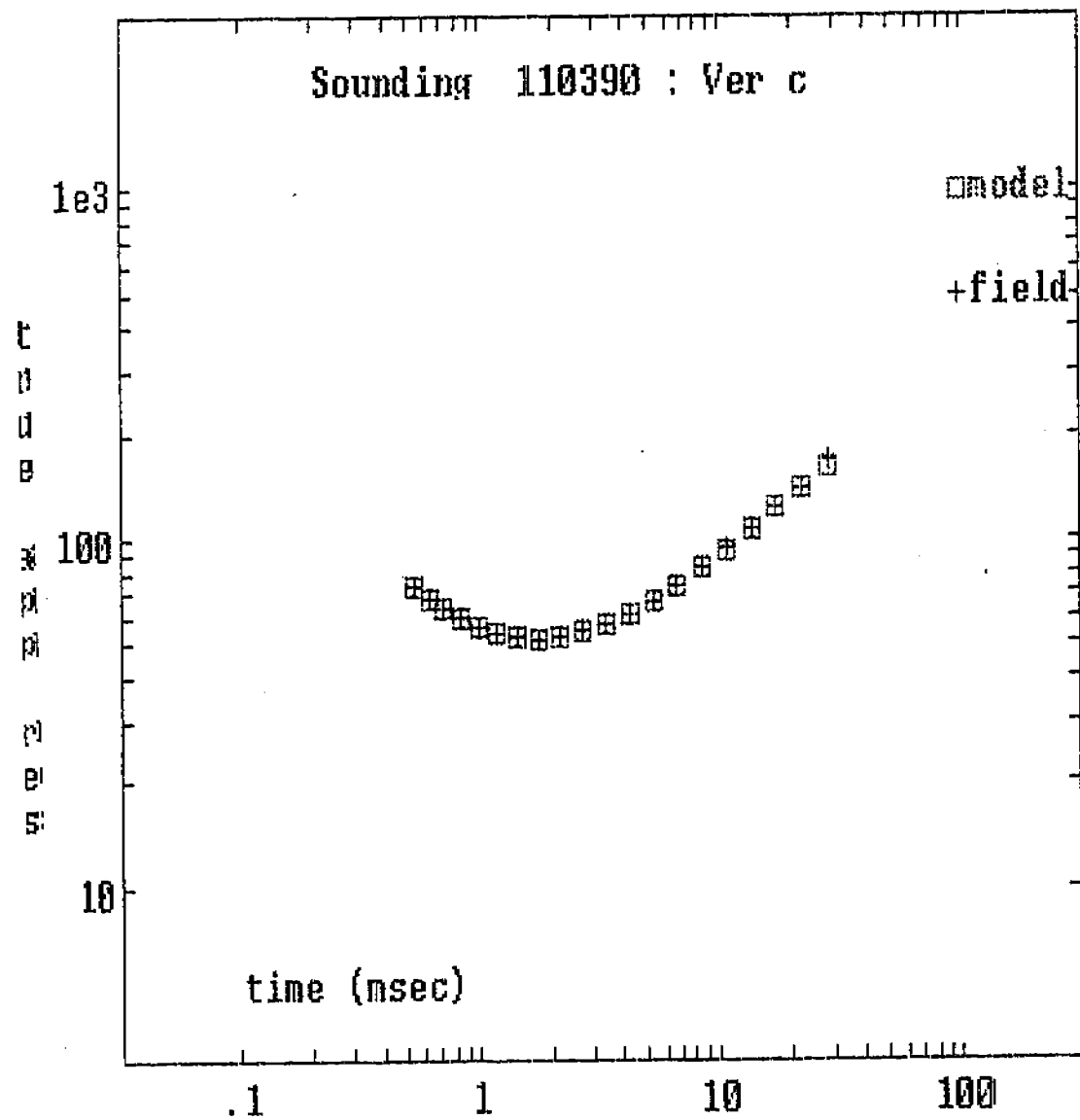
110427A
* 314

* 200

* 342

E= 2%

S=



SOUNDING: 110390 : Vers c
Tobacco Yard T110/390 6.25 Hz loop corrected

110390A

(203 ohm.m) * 64.8 m.

(203)

* 64.8 m.

* 36.7 ohm.m * 199 m.

* 36.7

* 264 m.

* 729 ohm.m

* 729

STD ERR- .9% : S- 6 S

E= 1%

S= 6S

Sounding 110390 : Ver 2

1e3

□model

+field

t
r
u
e

a
p
p

r
e
s

100

10

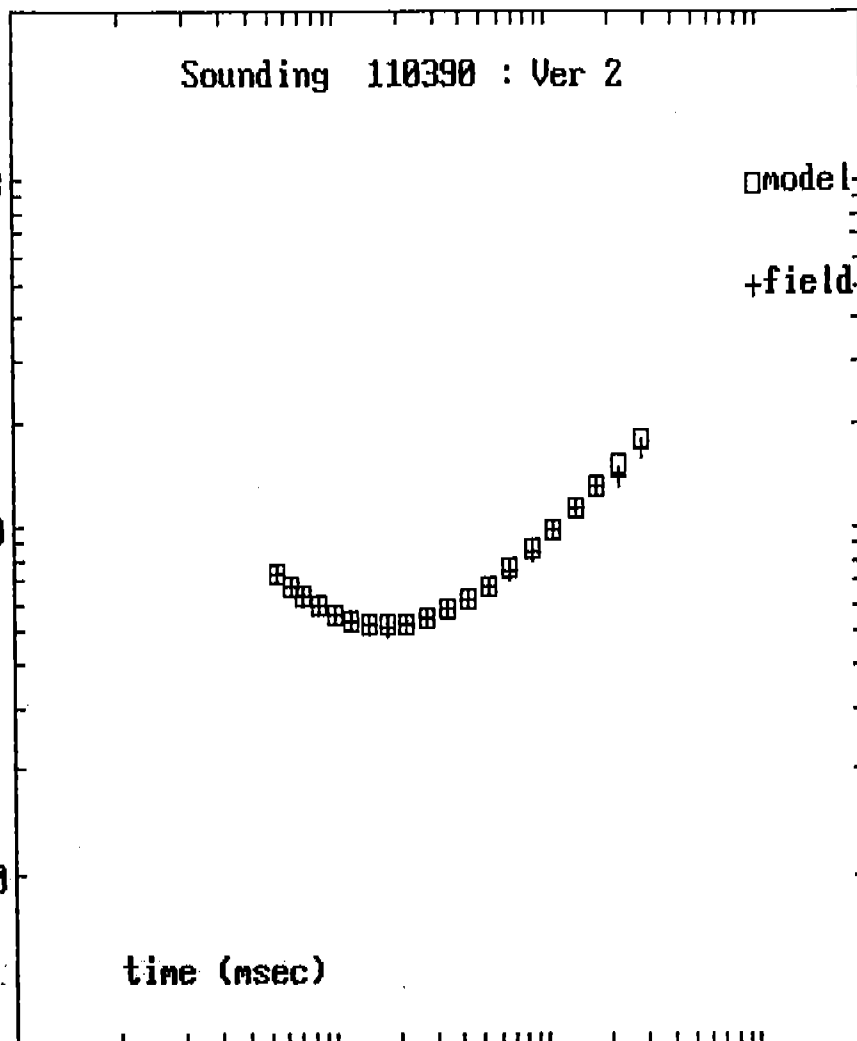
time (msec)

.1

1

10

100



SOUNDING: 110390 : Vers 2
Tobacco Yard T110/390 6.25 Hz

(202 ohm.m) * 66.3 m.

* 66.3 m.

* 36.1 ohm.m * 194 m.

1147 ohm.m * 281 m.

STD ERR= .8% : S= 6 S

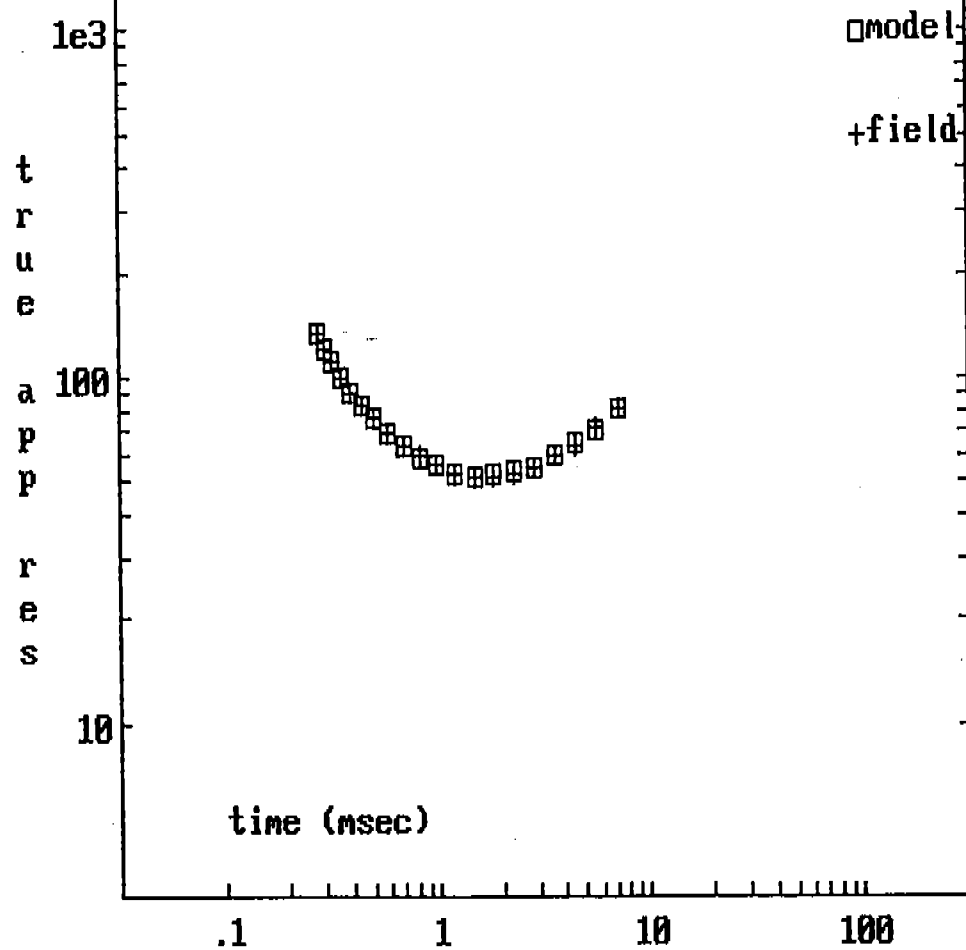
(202

* 36.

1147

E= 1%
S=

Sounding 110390 : Ver 1



SOUNDING: 110390 : Vers 1
Tobacco Yard T110/390 25 Hz

204 ohm.m * 66.6 m.

* 66.6 m.

* 35.2 ohm.m * 184 m.

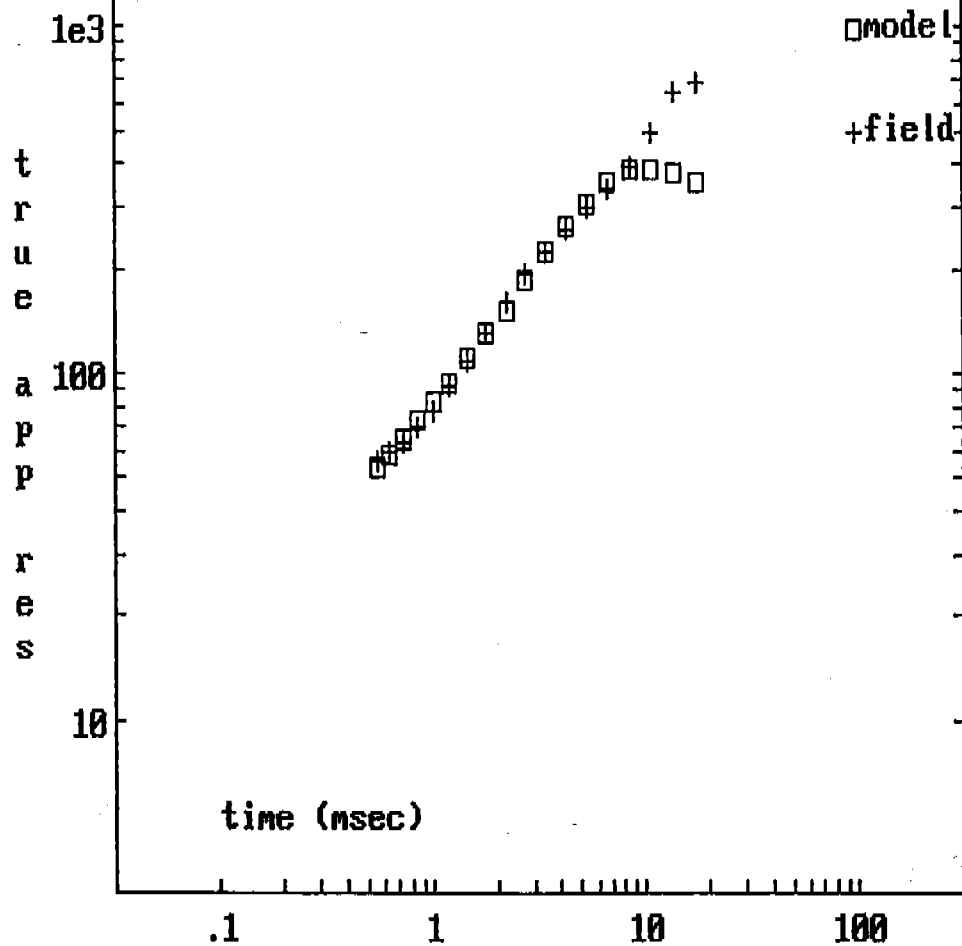
* 251 m.

(621 ohm.m)

STD ERR= .8% : S= 6 S

E= 1%
S= 6

Sounding 108445 : Ver 2



SOUNDING: 108445 : Vers 2
Tobacco Yard T108/445 6.25 Hz

* 39.2 ohm.m * 71.7 m. 71.7 m.

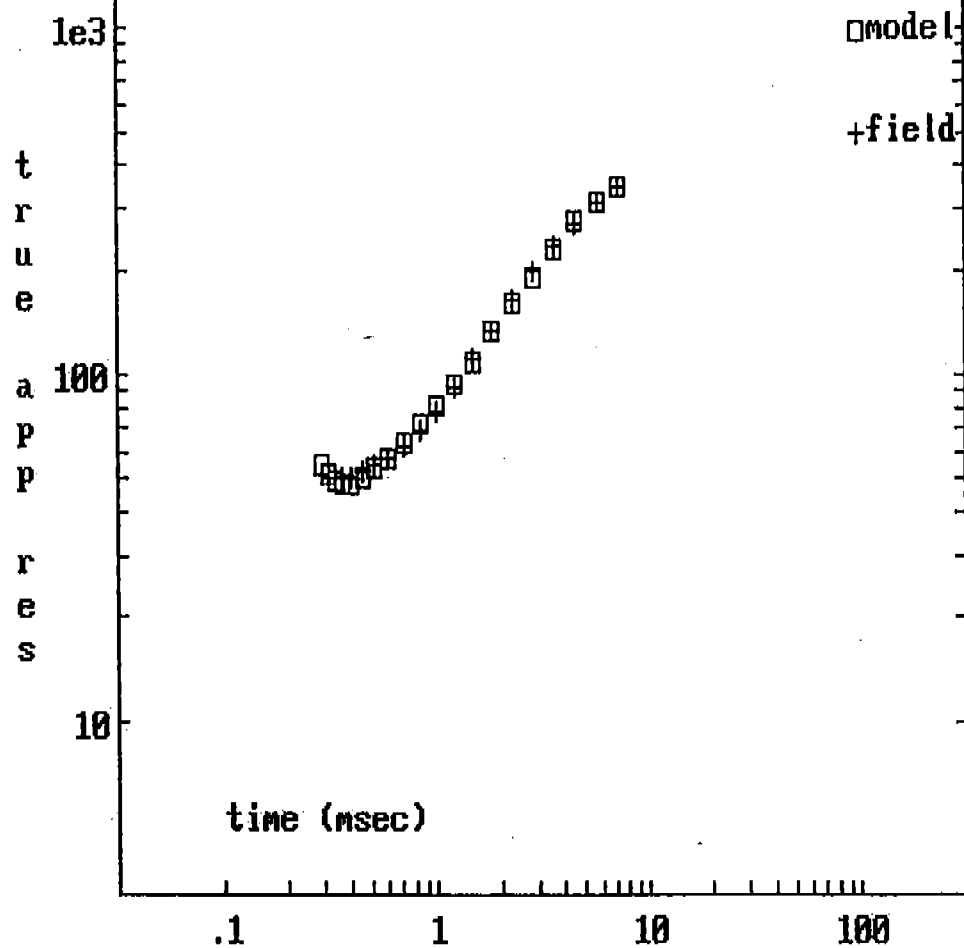
(3386 ohm.m) * 1388 m.

* 129 ohm.m * 1471 m.

STD ERR- 5.1% : S- 2 S

E= 5%
S= 2%

Sounding 108445 : Ver 1



SOUNDING: 108445 : Vers 1
Tobacco Yard T108/445 25 Hz

~~(228 ohm.m) * 40.8 m~~
~~16.8 ohm.m 17.8 m * 48.8 m~~

(4846 ohm.m) * 1038 m.

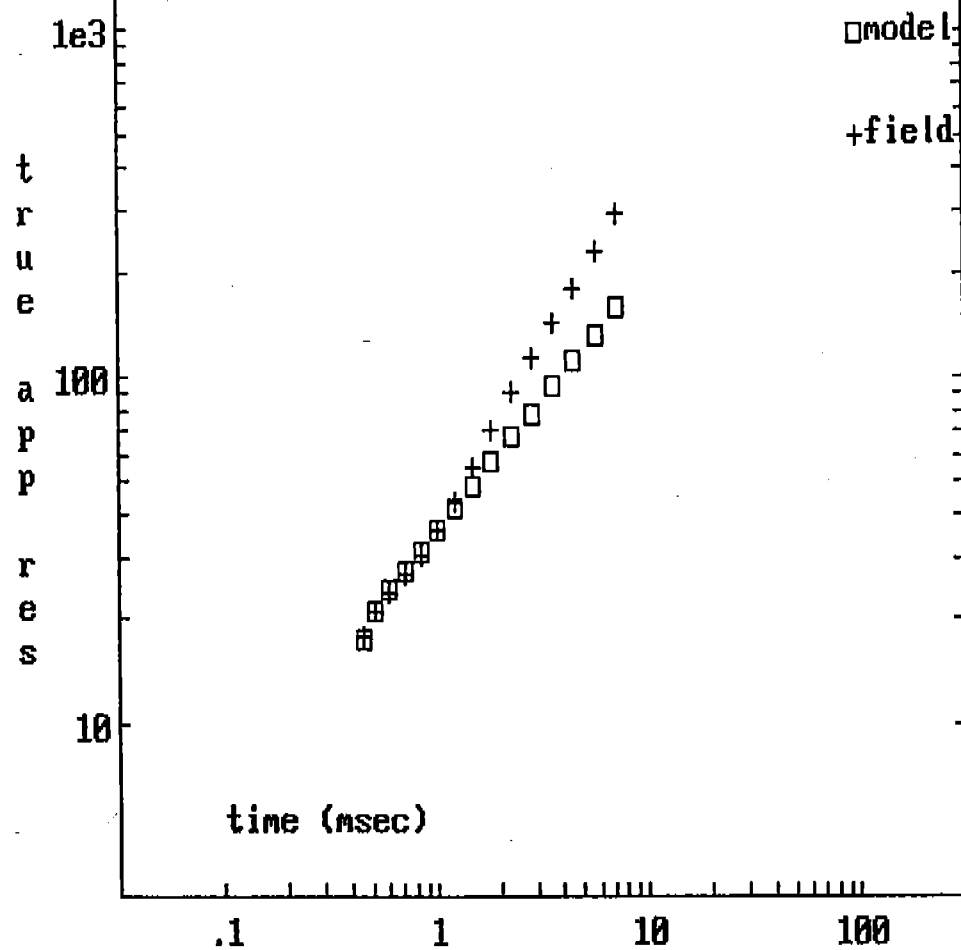
(98.0 ohm.m)

* 1098 m.

STD ERR- 4.4% : S- 2 S

E= 4%
S= 5

Sounding 108431 : Ver 1



SOUNDING: 108431 : Vers 1
Tobacco Yard T108/431 25 Hz

* 19.5 ohm.m

* 54.3 m.

708 ohm.m

* 54.3 m.

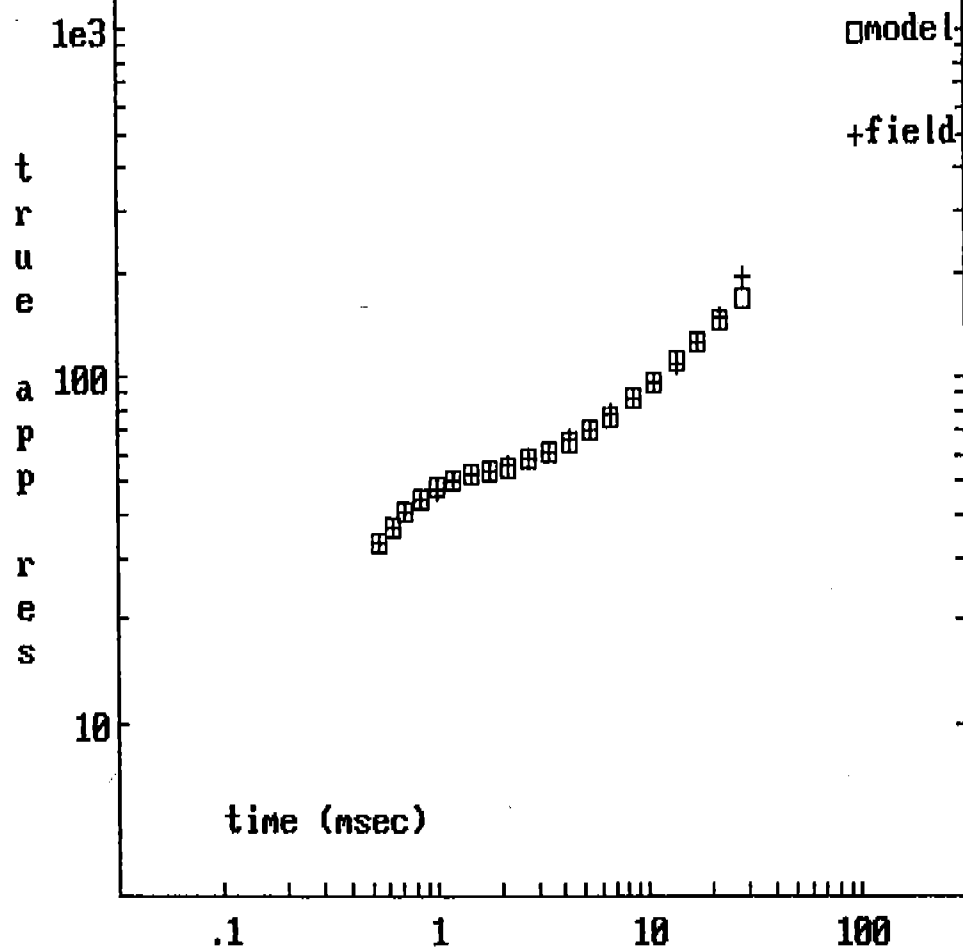
STD ERR= 2.4% : S= 3 S

* 19.5

708

E= 2%
S= 3 S

Sounding 108377 : Ver 3



108977A

7.5

17.

(31)

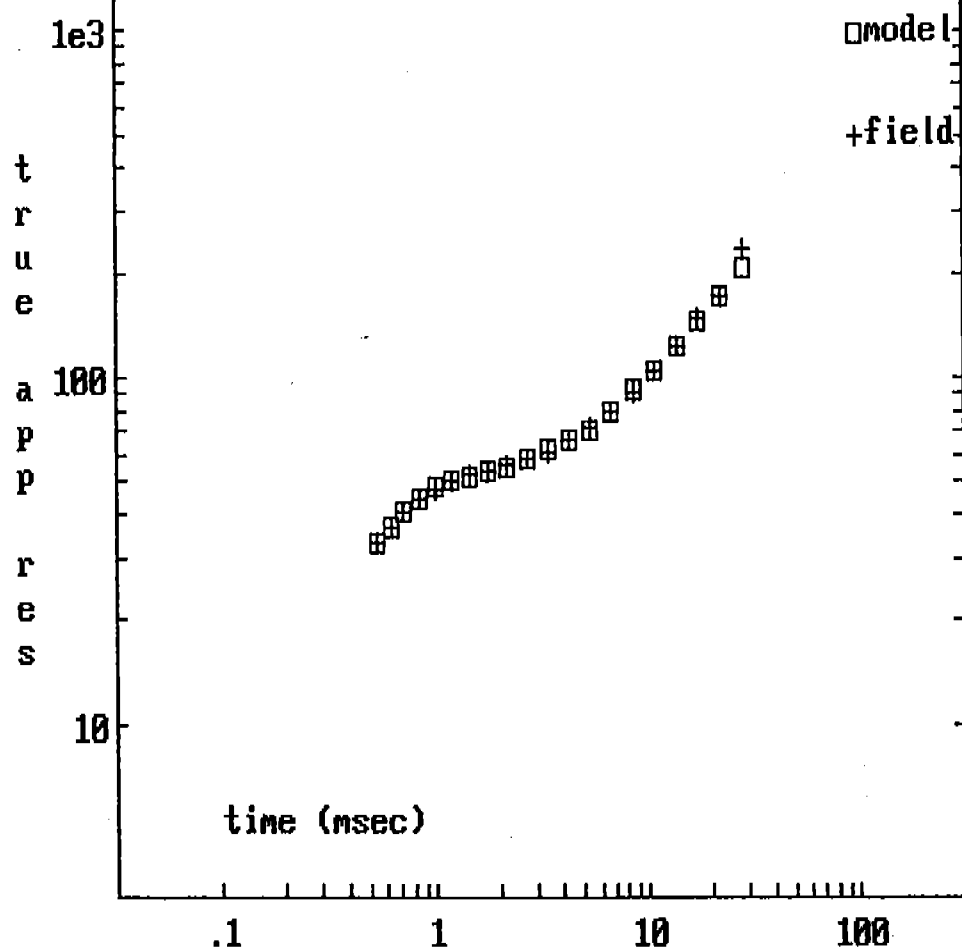
* 29

* 6

$$E = 2$$

5=

Sounding 108377 : Ver 2



SOUNDING: 108377 : Vers 2
Tobacco Yard T108/377 6.25 Hz

* 17.0 ohm.m * 31.7 m.
* 31.7 m.

(308 ohm.m) * 173 m.

* 205 m.
* 22.4 ohm.m * 76.7 m.
* 282 m.
(3835 ohm.m)

STD ERR= 1.9% : S= 6 S

108377A
* 17.0

(308

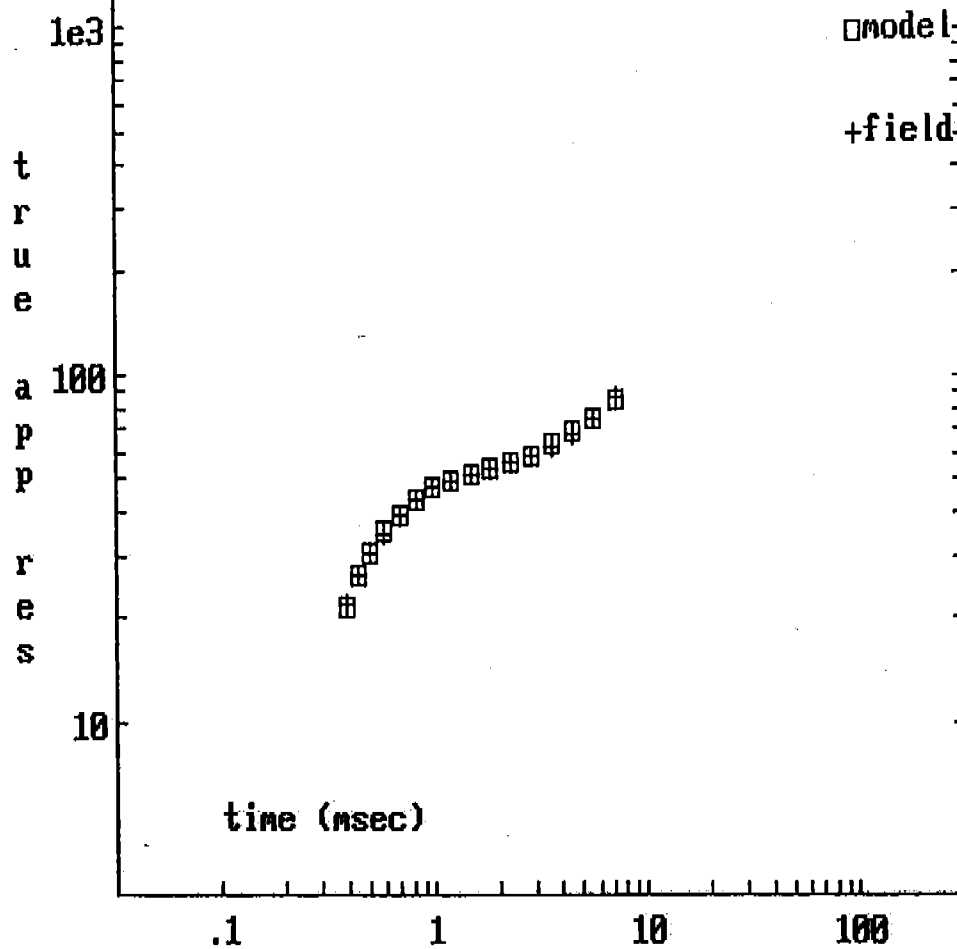
* 22

(3835)

E= 2%

S= 6 S

Sounding 108377 : Ver 1



103274

× 17.

(21)

26.

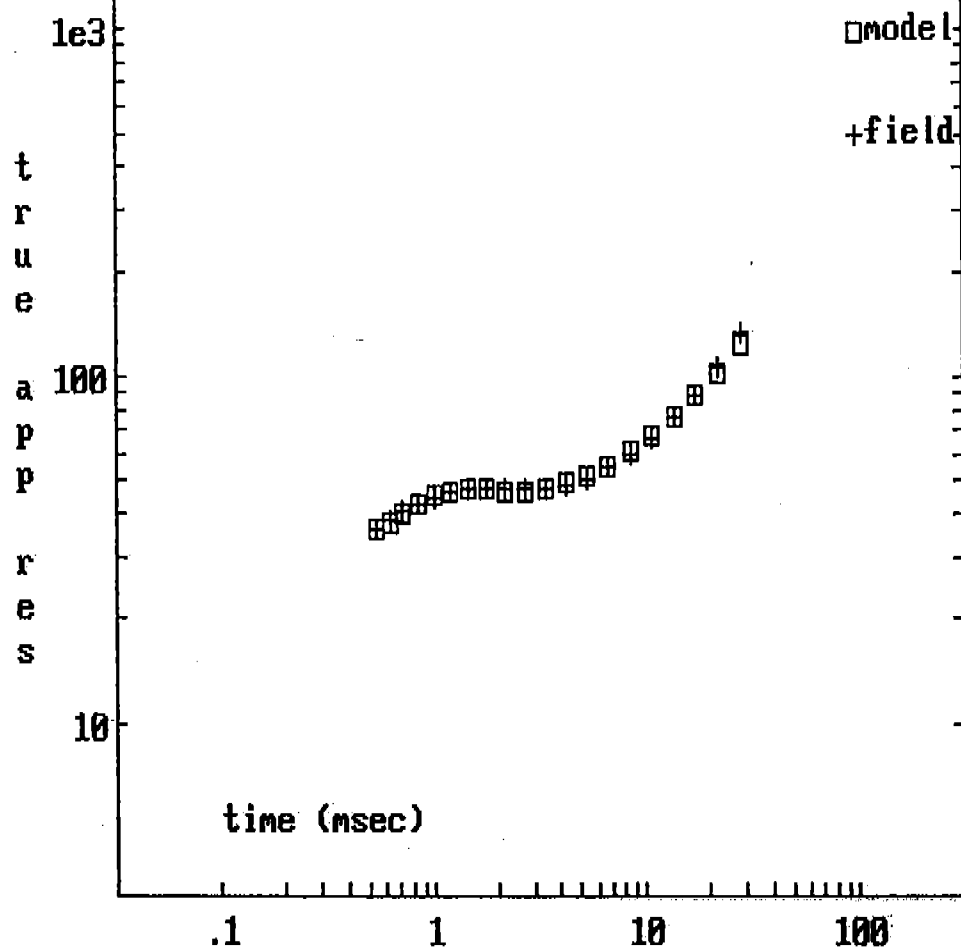
1

175

E_{11} 4.9
 E_{12} 4.9

E_{11} 4.9
 E_{12} 4.9

Sounding 108367 : Ver c



SOUNDING: 108367 : Vers c

Tobacco Yard T108/367 6.25 Hz loop corrected

* 33.1 ohm.m

* 81.2 m.

81.2 m.

140 ohm.m

* 173 m.

* 12.1 ohm.m

* 54.0 m.

* 254 m.

5022 ohm.m

* 308 m.

STD ERR= 2.5% : S= 8 S

* 33.1

140

* 12.1

5022

E= 3%

S= 8

Sounding 108367 : Ver 2

1e3

□model

+field

t
r
u
e

a
p
p
r
e
s

100

10

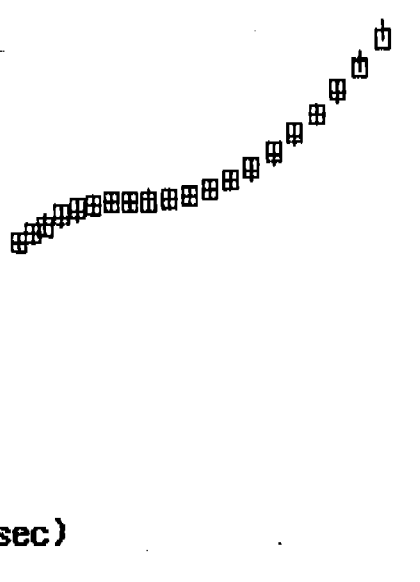
time (msec)

.1

1

10

100



SOUNDING: 108367 : Vers 2
Tobacco Yard T108/367 6.25 Hz

* 31.3 ohm.m * 71.0 m.

71.0 m.

(139 ohm.m) * 165 m.

16.6 ohm.m 67.4 m. * 236 m.

4940 ohm.m * 303 m.

STD ERR= 2.9% : S= 8 S

* 31.3

(139

16.6

4940

E= 3V

S= 8

Sounding 108367 : Ver 1

1e3

□model

+field

t
r
u
e
a
p
p
r
e
s

100

10

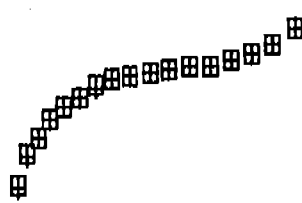
time (msec)

.1

1

10

100



SOUNDING: 108367 : Vers 1
Tobacco Yard T108/367 25 Hz

* 18.8 ohm.m * 26.0 m.
* 26.0 m.

* 76.2 ohm.m * 188 m.

* 212 m.

* 35.9 ohm.m * 127 m.

* 339 m.
(225 ohm.m)

STD ERR= .8% : S= 7 S

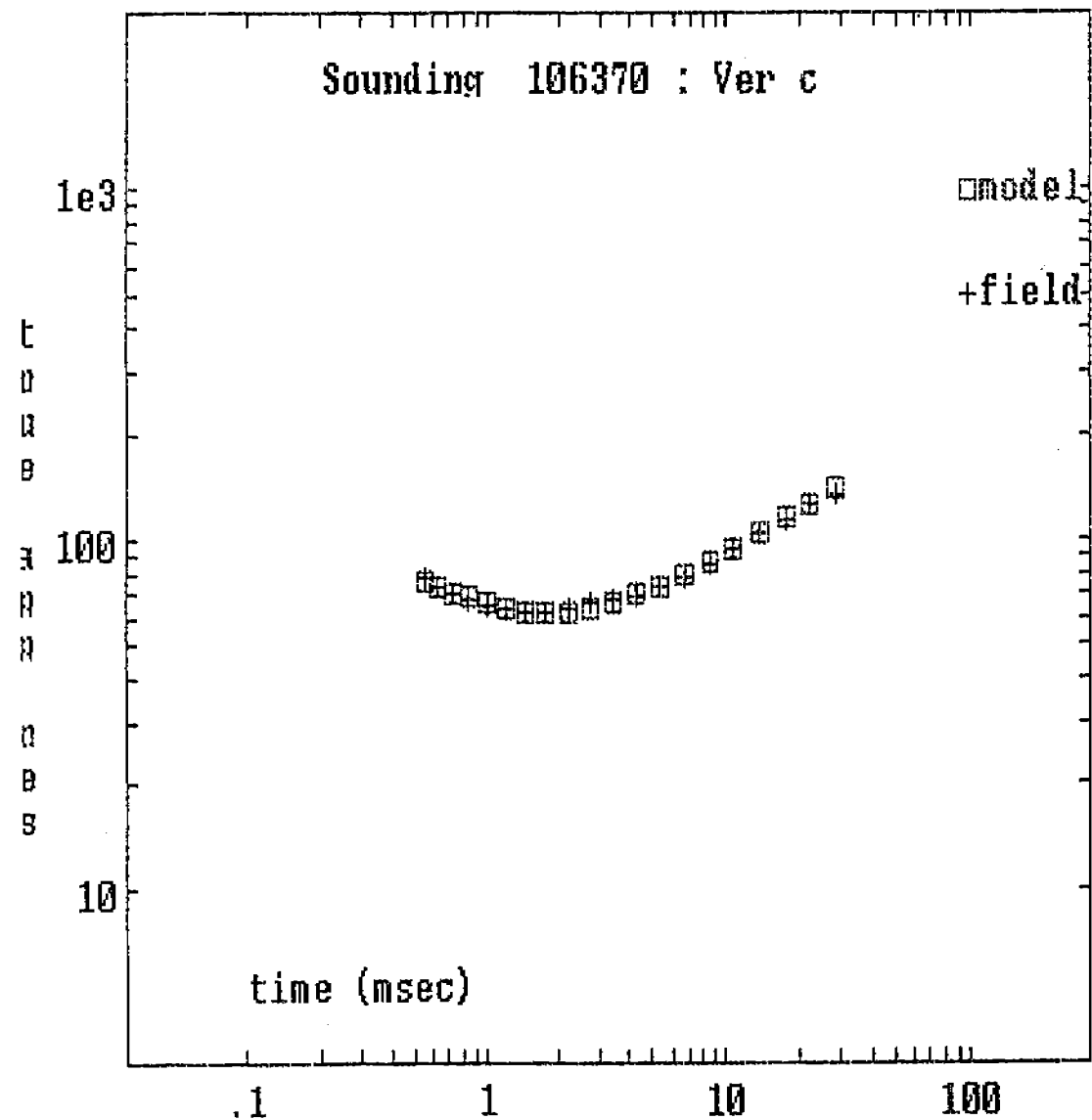
108367A
* 18.8

* 76.2

* 35.9

(225)

E= 1%
S= 7 S



SOUNDING: 106370 : Vers c
Tobacco Yard T106/370 6.25 Hz loop corrected

106370A

96.1 ohm.m

77.8 m.

96.1

77.8 m.

* 52.4 ohm.m

* 247 m.

* 52.4

* 325 m.

* 326 ohm.m

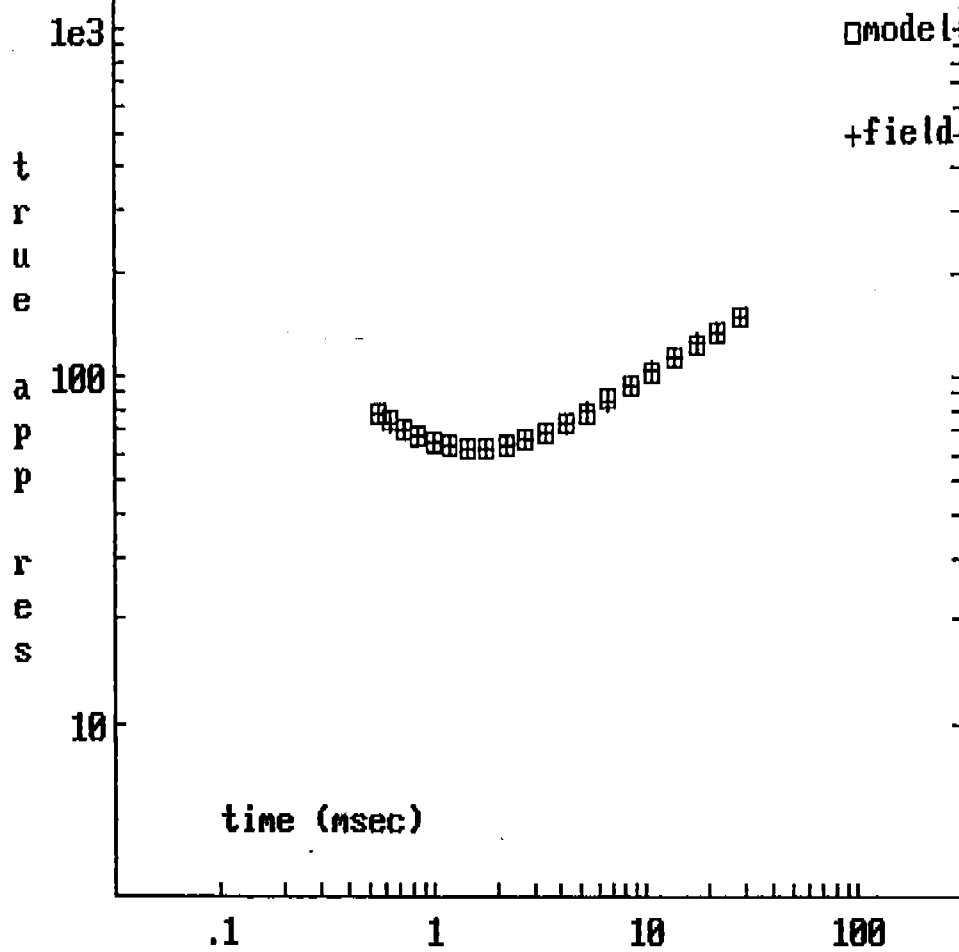
* 326

STD ERR= 2.3% : S= 6 S

E= 2%

S= 6S

Sounding 106370 : Ver 2



SOUNDING: 106370 : Vers 2
Tobacco Yard T106/370 6.25 Hz

112 ohm.m 81.0 m.

81.0 m.

* 46.6 ohm.m * 192 m.

* 273 m.

* 316 ohm.m

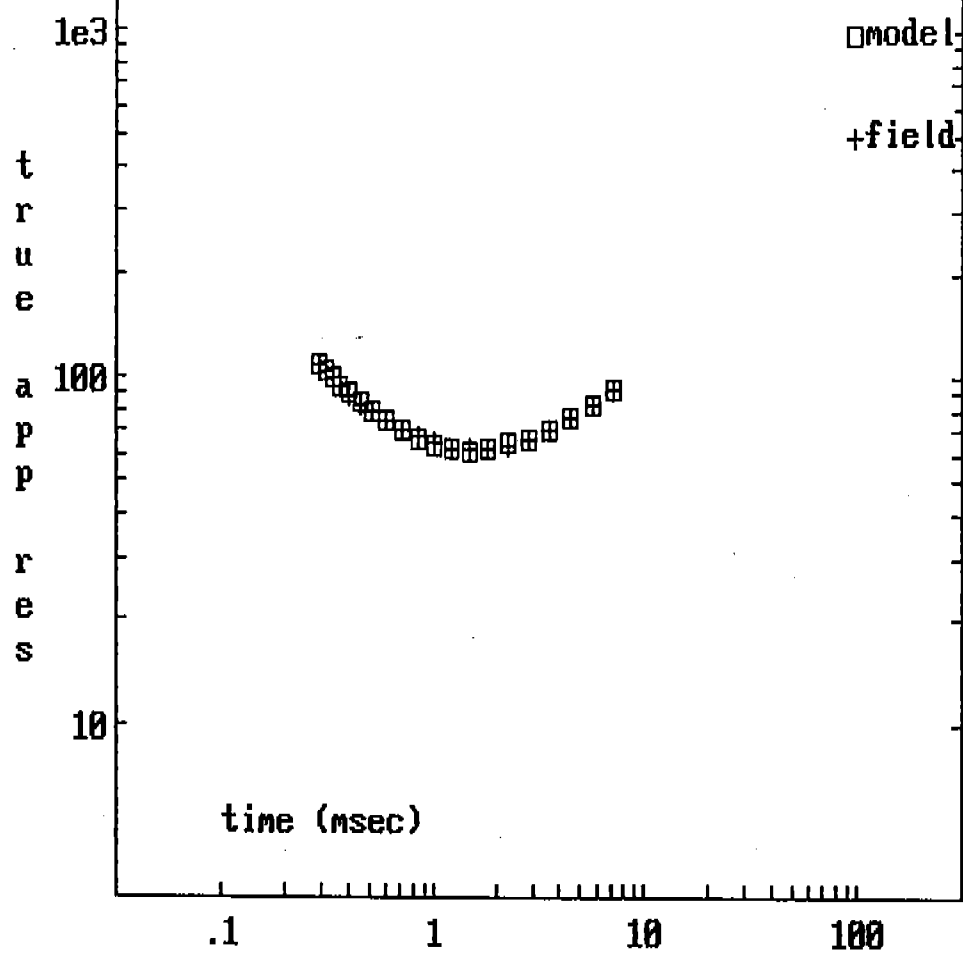
STD ERR= 1.2% : S= 5 S

106370A
112
* 46.6

* 31

E= 1%
S=

Sounding 106370 : Ver 1



SOUNDING: 106370 : Vers 1
Tobacco Yard T106/370 25 Hz

* 111 ohm.m * 79.5 m.

* 79.5 m.

* 46.2 ohm.m * 190 m.

* 270 m.

319 ohm.m

STD ERR= .7% : S= 5 S

106370A

* 111

* 46.2

319

E= 1%
S= 5

Sounding 104373 : Ver 2

1e3

□model

+field

t
r
u
e

a
p
p
r
e
s

100

10

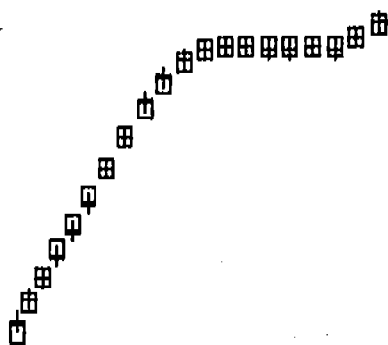
time (msec)

.1

1

10

100



SOUNDING: 104373 : Vers 2
Tobacco Yard T104/373 6.25 Hz

~~* 6.4 ohm.m~~ ~~* 15.7 m~~ 15.7 m.

* 2244 ohm.m * 651 m.

_____* 667 m.
14.1 ohm.m 83.9 m.
_____* 751 m.
(491 ohm.m)

STD ERR= 4.2% : S= 9 S

104373A

* 6.4

* 2244

14.1

(491)

E= 4%
S= 9

Sounding 104373 : Ver 1

1e3

□model

+field

t
r
u
e

a
p
p
r
e
s

100

10

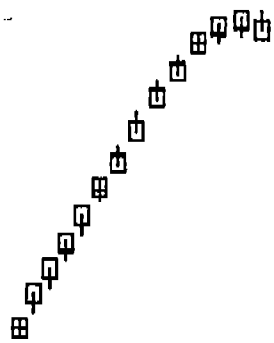
time (msec)

.1

1

10

100



SOUNDING: 104373 : Vers 1
Tobacco Yard T104/373 25 Hz

~~* 11.8 ohm.m * 31.2 m~~ 31.2 m.

(1674 ohm.m) * 543 m.

8.9 ohm.m * 575 m.

STD ERR= 6.6% : S= 3 S

104373A

~~* 11.8~~

(1674)

B.

E= 7V
S= 0.5

SOUNDING: 110390 : Vers 2
Tobacco Yard T110/390 6.25 Hz

110390A

(202 ohm.m) * 66.3 m.

(202)

* 66.3 m.

* 36.1 ohm.m * 194 m.

* 36.1

* 261 m.

1147 ohm.m

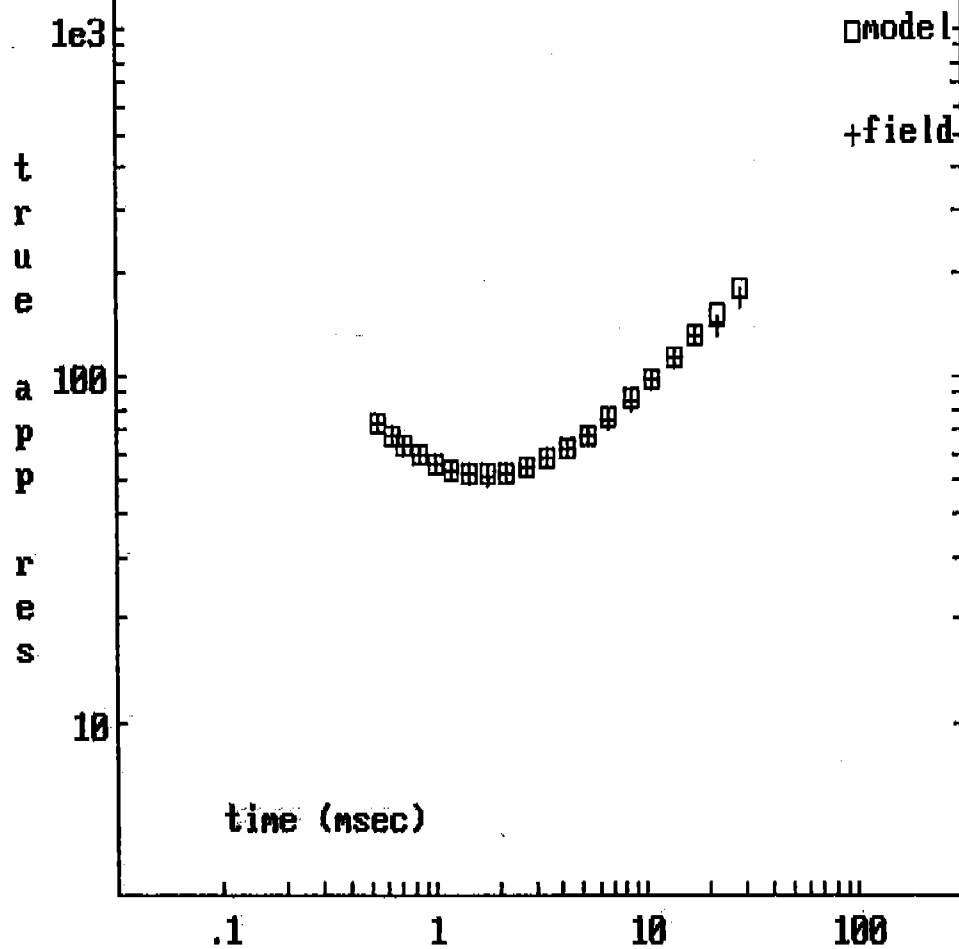
1147

STD ERR= .8% : S= 6 S

E= 1%

S= 6S

Sounding 110390 : Ver 2



SOUNDING: 110390 : Vers c
Tobacco Yard T110/390 6.25 Hz loop corrected

110390A

(203 ohm.m) * 64.8 m.

(203)

* 64.8 m.

* 36.7 ohm.m * 199 m.

* 36.7

* 264 m.

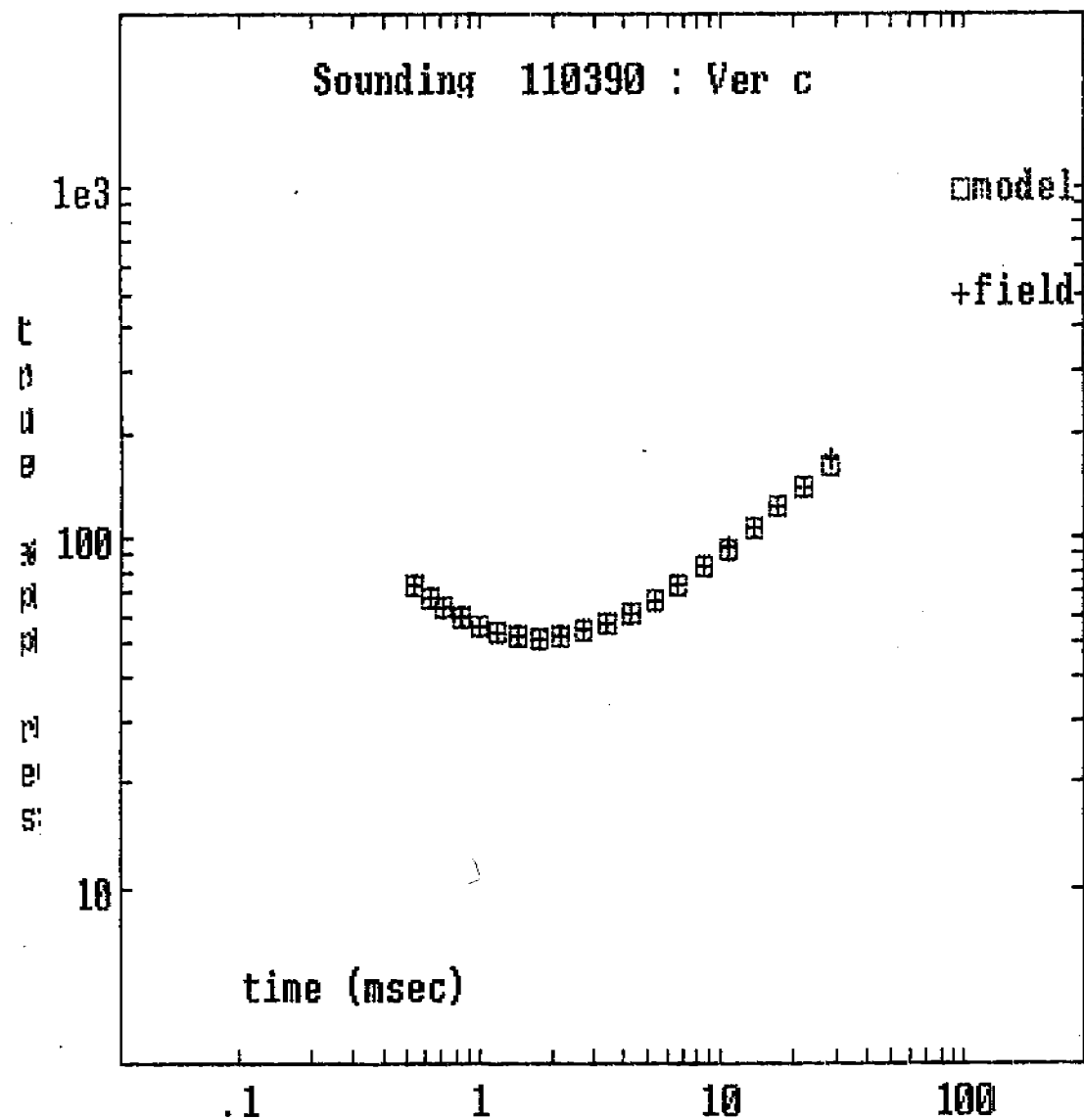
* 729 ohm.m

* 729

STD ERR- .9% : 5- 6 S

E= 1%

S= 65



SOUNDING: 110427 : Vers 1
Tobacco Yard T110/427 25 Hz

110427A

* 314 ohm.m * 169 m.

* 314

169 m.

* 200 ohm.m (115 m.)

* 200

* 283 m.

* 342 ohm.m

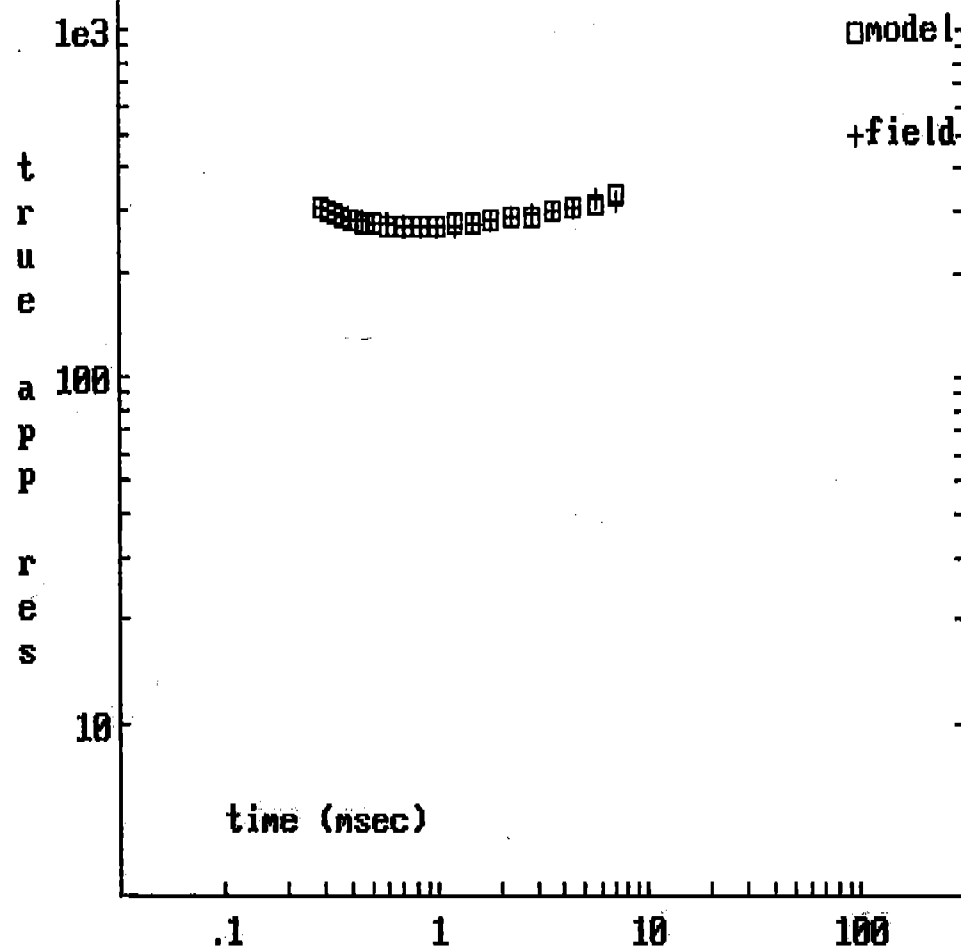
* 342

STD ERR= 2.2% : S= 1 S

E= 2%

S= 15

Sounding 110427 : Ver 1



SOUNDING: 110427 : Vers 2
Tobacco Yard T110/427 6.25 Hz

110427A

327 ohm.m 176 m.

327

_____ (176 m.)

193 ohm.m (119 m.)

193

_____ 295 m.

* 341 ohm.m

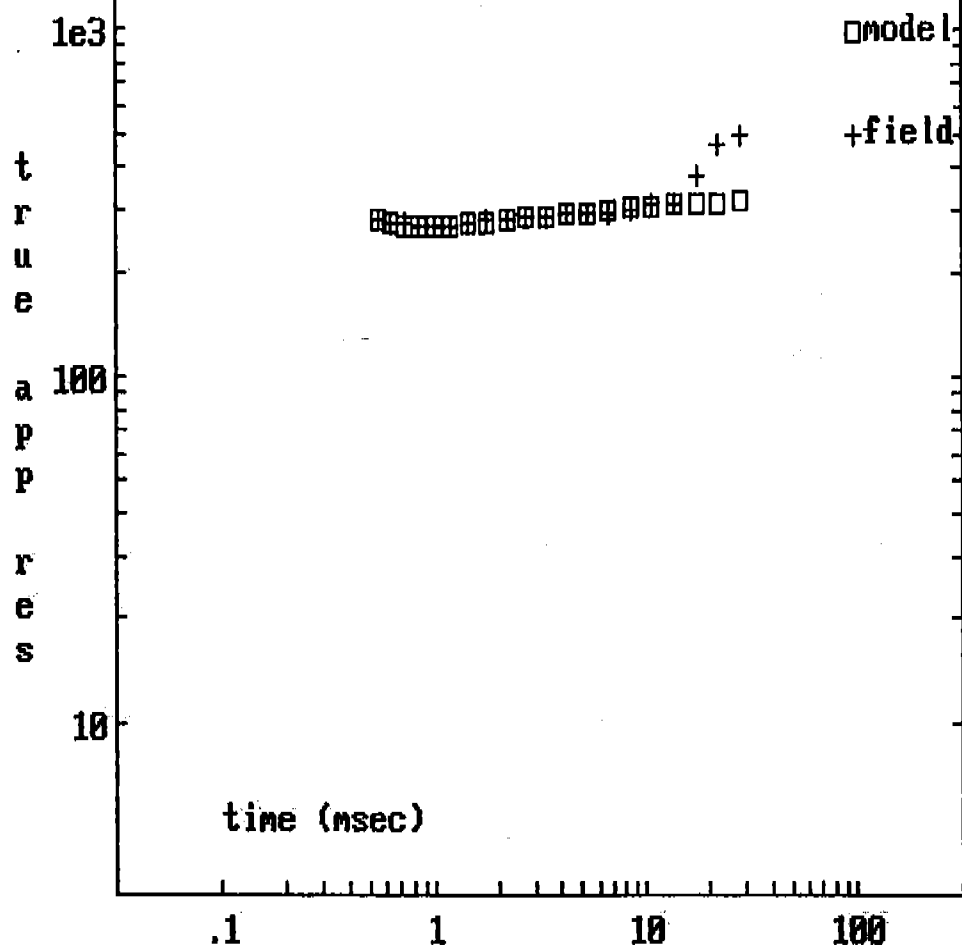
* 341

STD ERR= 1.3% : S= 1 S

E= 1%

S= 15

Sounding 110427 : Ver 2



SOUNDING: 112423 : Vers 1
Tobacco Yard T112/423 25 Hz

112423A

* 393 ohm.m * 301 m.

* 393

* 301 m.

* 184 ohm.m (142 m.)

* 184

* 444 m.

* 315 ohm.m

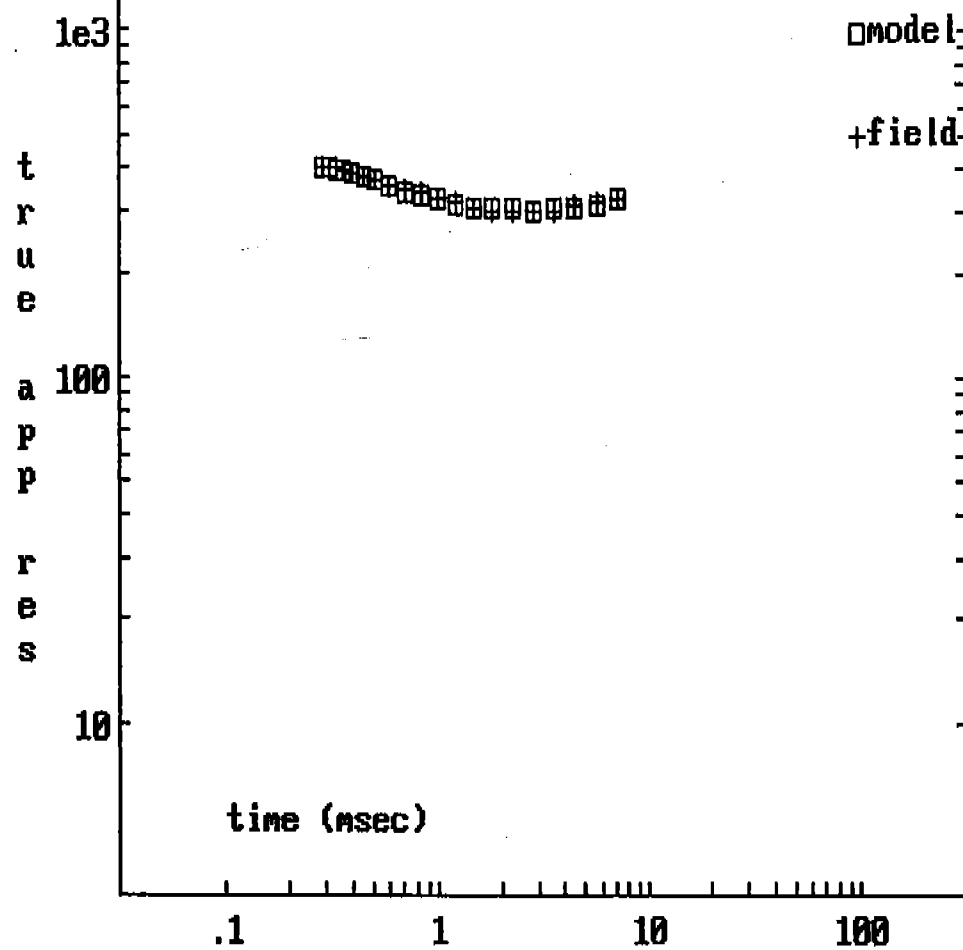
* 315

E= 2%

S= 2S

STD ERR= 1.8% : S= 2 S

Sounding 112423 : Ver 1



SOUNDING: 112423 : Vers 2
Tobacco Yard T112/423 6.25 Hz

112423A

* 361 ohm.m * 440 m.

* 361

* 440 m.

157 ohm.m 171 m.

157

* 612 m.

* 398 ohm.m

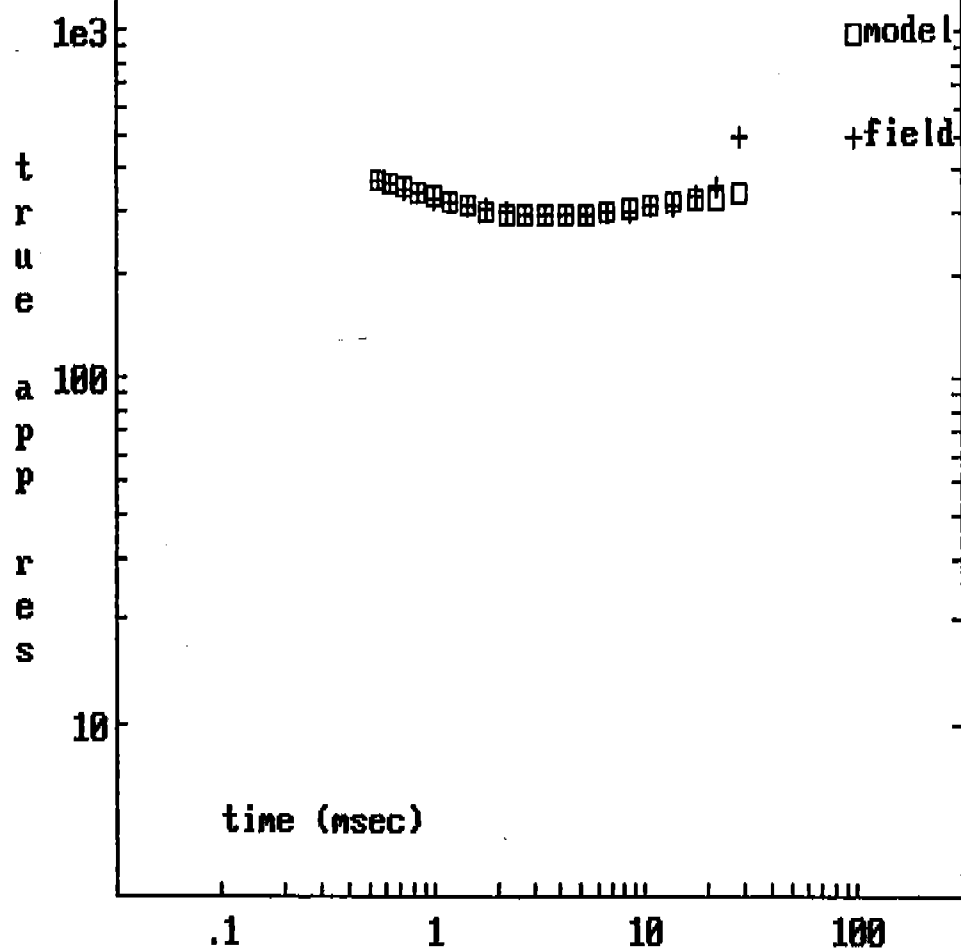
* 398

STD ERR= 1.5% : S= 2 S

E= 2%

S= 25

Sounding 112423 : Ver 2



SOUNDING: 112438 : Vers 1
Tobacco Yard T112/438 25 Hz

112438A

* 213 ohm.m * 119 m.
* 119 m.

* 213

2227 ohm.m 854 m.

2227

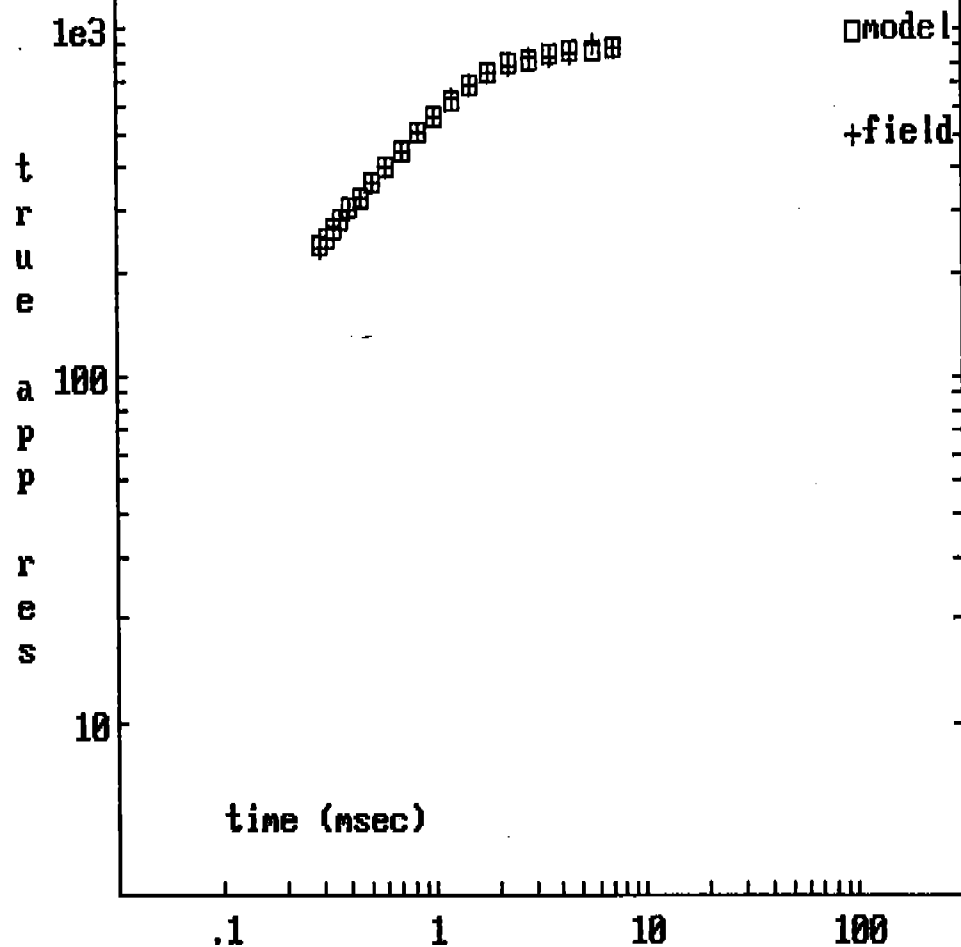
* 851 ohm.m * 973 m.
* 973 m.

* 851

STD ERR= 2.1% : S= 1 S

E= 2%
S= 15

Sounding 112438 : Ver 1



1124384

✖ 206

2014

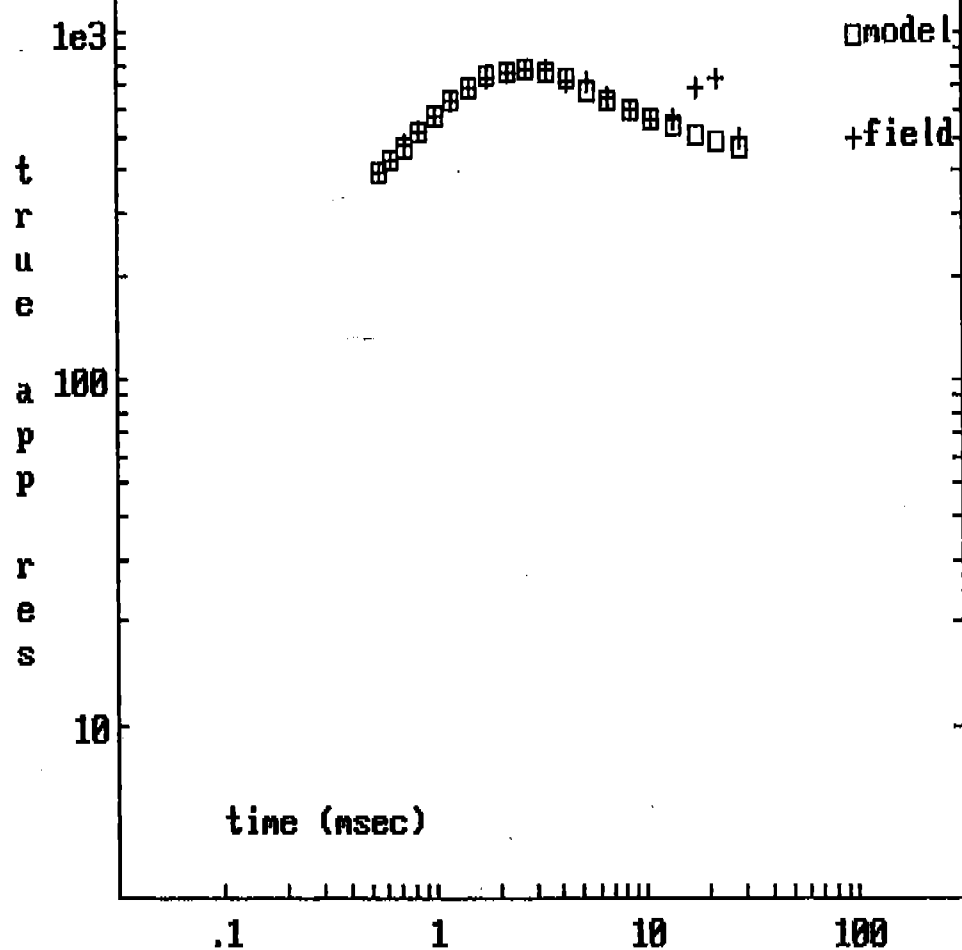
* 315

E= 1%
S= 15

E= 1%

S= 15

Sounding 112438 : Ver 2



114401a

*** 79.4**

* 65.9

*** 47.3**

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

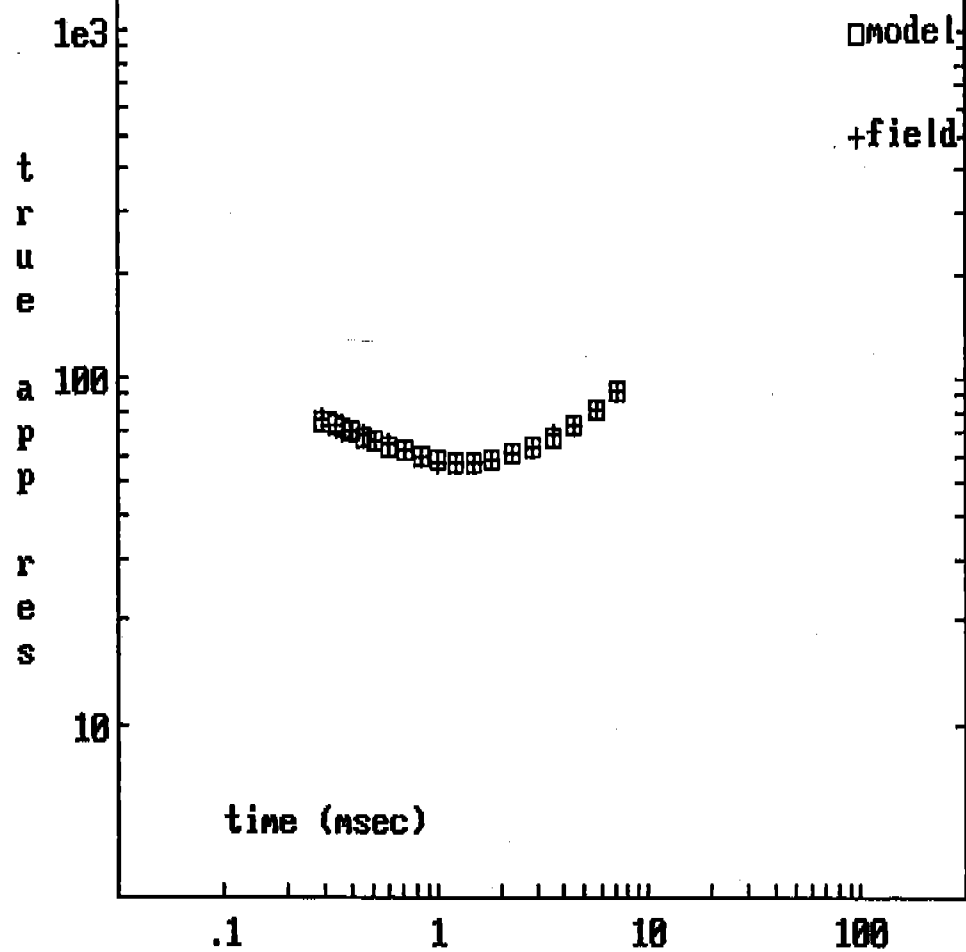
454

E= 1%
S= 55

E= 1%

3- 55

Sounding 114401 : Ver 1



SOUNDING: 114401 : Vers 2
Tobacco Yard T114/401 6.25 Hz

114401A

* 68.1 ohm.m 117 m.

* 68.1

{ 117 m.}

* 48.7 ohm.m 177 m.

* 48.7

* 294 m.

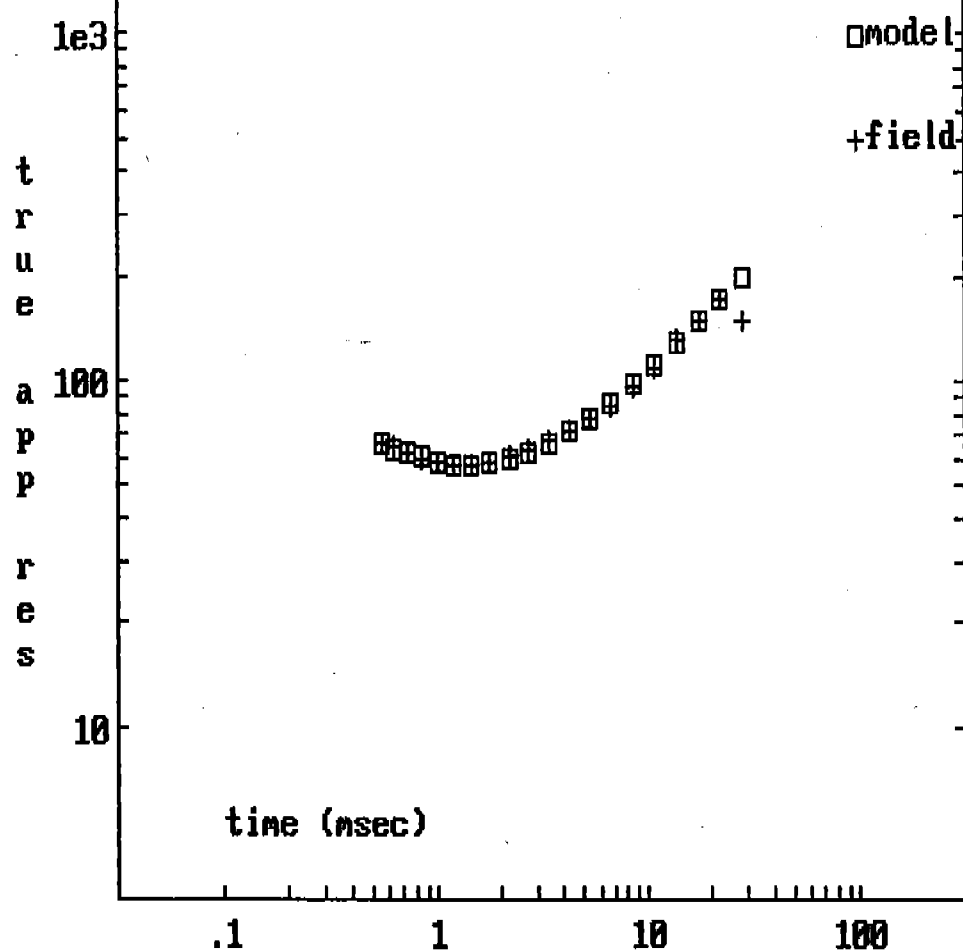
1088 ohm.m

1088

STD ERR= 2.2% : S= 5 S

E= 2%
S= 55

Sounding 114401 : Ver 2



SOUNDING: 114401 : Vers c
Tobacco Yard T114/401 6.25 Hz loop corrected

114401A

* 66.5 ohm.m 124 m.

* 66.5

(124 m.)

* 50.1 ohm.m 190 m.

* 50.1

* 314 m.

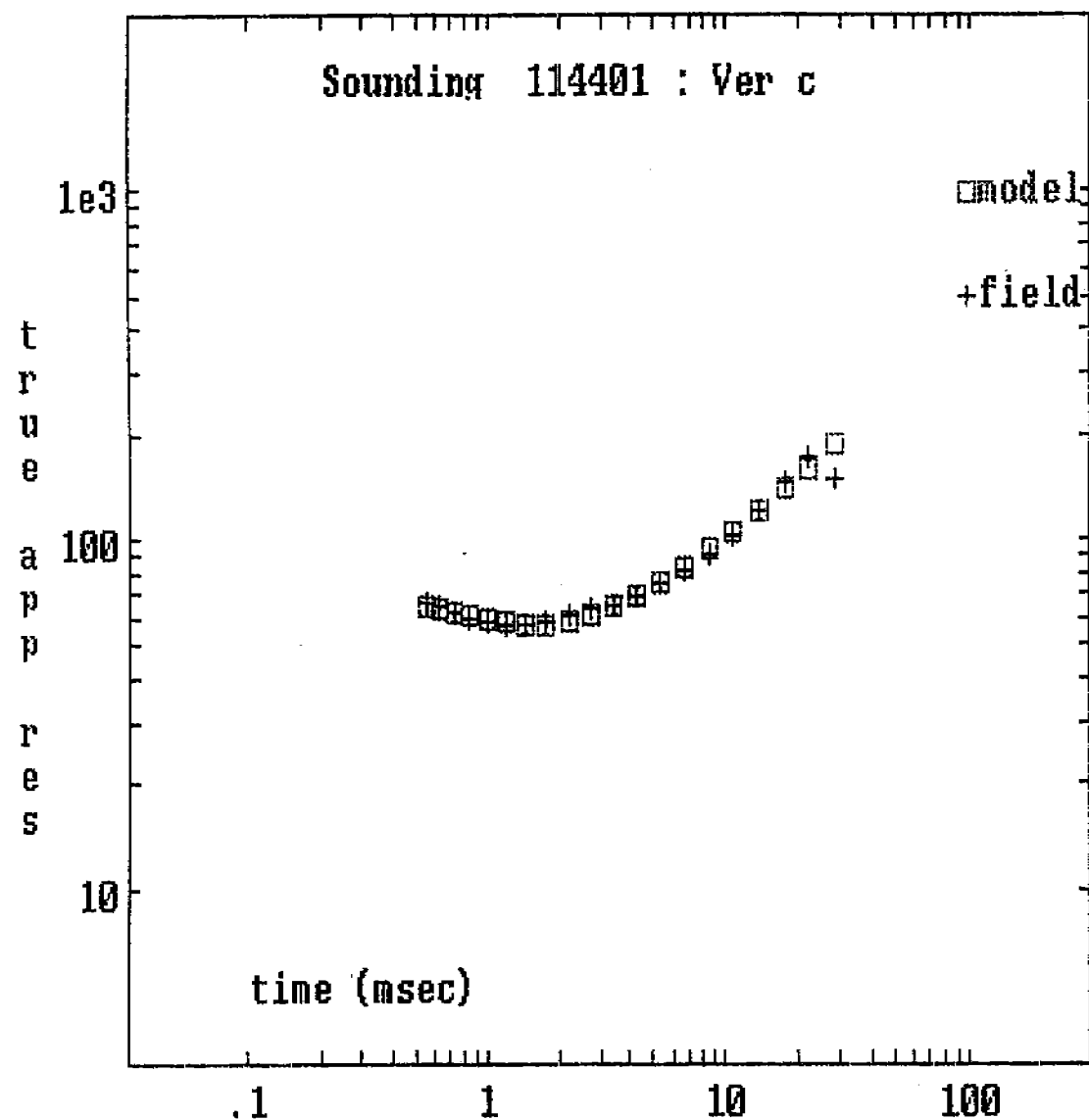
1049 ohm.m

1049

STD ERR= 3.3% : S= 8 S

E= 3%

S= 65



SOUNDING: 116415 : Vers 1
Tobacco Yard T116/415 25 Hz

116415A

(356 ohm.m) * 68.0 m.

(356)

* 68.0 m.

* 37.1 ohm.m

* 149 m.

* 37.1

* 217 m.

* 202 ohm.m

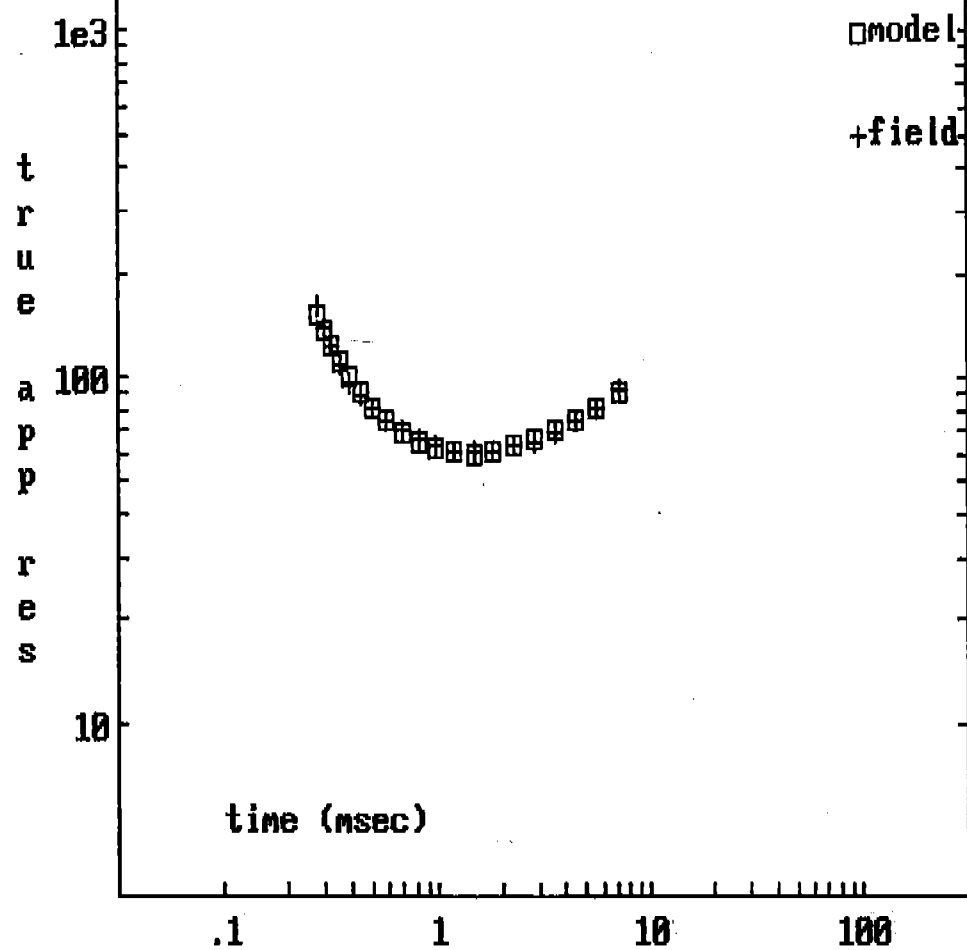
* 202

STD ERR= 3.0% : S= 4 S

E= 3%

S= 4S

Sounding 116415 : Ver 1



SOUNDING: 116415 : Vers 2
Tobacco Yard T116/415 6.25 Hz

116415A

(322 ohm.m) * 52.3 m.
* 52.3 m.

(322)

* 47.0 ohm.m -- * 244 m.

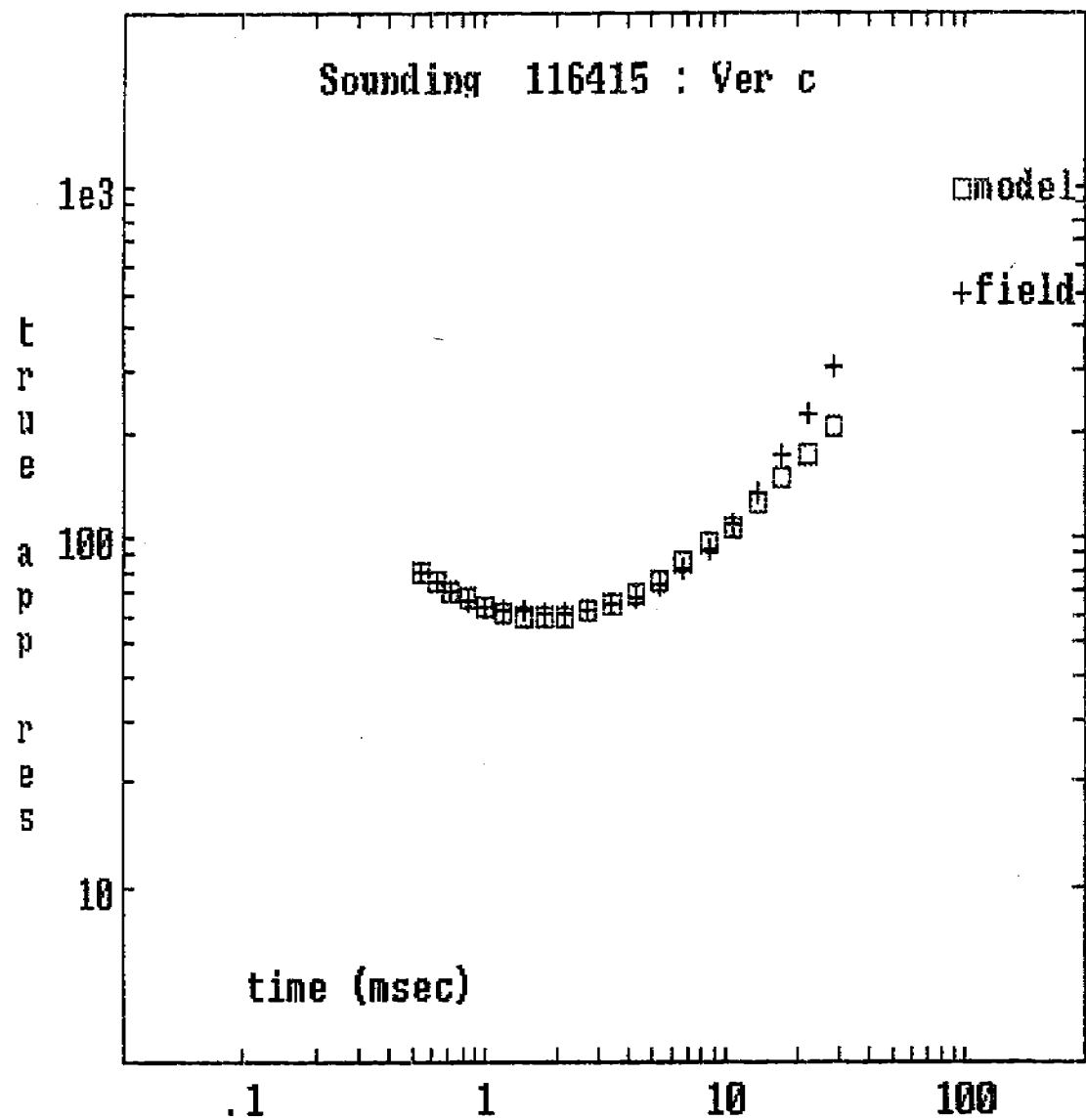
* 47.0

3015 ohm.m * 296 m.

3015

STD ERR= 3.5% : S= 5 S

E= 3%
S= 5S



SOUNDING: 116415 : Vers c
Tobacco Yard T116/415 6.25 Hz loop corrected

116415A

(320 ohm.m) * 51.1 m.
* 51.1 m.

(320)

* 47.2 ohm.m * 284 m.

* 47.2

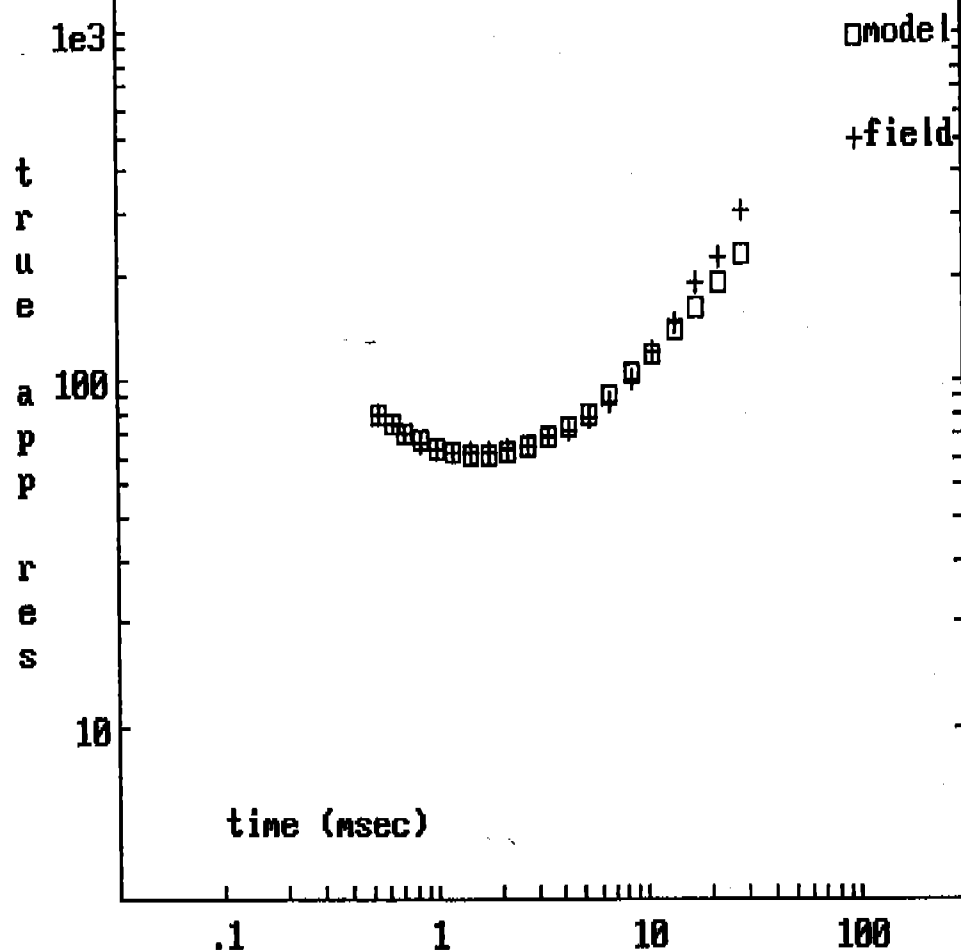
3006 ohm.m * 315 m.

3006

STD ERR- 3.9% : S- 6 S

E= 4%
S= 65

Sounding 116415 : Ver 2



APPENDIX 9

Geochemical Sampling Data - EL 7301

Analytical Techniques

All geochemical analyses were carried out at Assaycorp Pty Ltd, Pine Creek, Northern Territory. Analytical methods, elements determined and detection limits used were as follows:

Detection Limits

AAS/MA-3	-	Cu	2	ppm	Prec. $\pm$ 10%
AAS/MA-3	-	Pb	2	ppm	Prec. $\pm$ 10%
AAS/MA-3	-	Zn	1	ppm	Prec. $\pm$ 10%
AAS/MA-3	-	Ag	0.5	ppm	Prec. $\pm$ 10%
AAS/MA-3	-	Mn	2	ppm	Prec. $\pm$ 10%
AAS/MA-3	-	Fe	20	ppm	Prec. $\pm$ 10%
AAS/MA-3	-	As	2	ppm	Prec. $\pm$ 10%
AAS/MA-4	-	Tl	1	ppm	Prec. $\pm$ 10%
FA50	-	Au	1	ppb	Prec. $\pm$ 10%

Analytical Methods

Base Metal Assays - Cu, Pb, Zn, Ag, Mn, Fe

A 0.3 g sample is digested in a triple mixture of hydrochloric, nitric and perchloric acids at 180°C. The cooled and dried residue is leached with concentrated HCl acid at 90°C and diluted with distilled water. After cooling the sample is mixed and left to stand for sediment settling. Elements are read on an atomic absorption spectrophotometer (AAS) against aqueous standards of pure metals for each element. Cu, Pb, Zn and Ag are read using an air acetylene flame and Fe and Mn using a nitrous oxide - acetylene flame.

Hydride Forming Element Assays - As

A 1:10 dilution is taken from the base metal digestion to give a concentration of 10% HCl and 0.2% KI solution. The solution is pumped into a GBC model HG 3000 hydride generator and mixed with concentrated HCl acid and Na BH₄. The gas which is given off passes through a gas-liquid separator and the gas passes to a quartz cell on the AAS for reading.

Thallium Assay

A 0.5 g sample is digested, leached, concentrated and diluted in the same manner as for base metal assays. A 1% aqueous solution of APDC is added at pH3 and an aliquot of water-saturated MI is added. The solution is shaken to extract Tl into the organic phase and the content is determined using an AAS and extracted standards.

Au Assays

A 50 g sample aliquot is mixed with a fire assay flux and fused in a crucible furnace at 1000°C for 50 minutes. The sample is poured and cooled and the lead button and slag are separated. The button is cupelled in a Mg cupel at 1050°C. The resulting dore prill is

treated with nitric acid to dissolve Au. The Au solution is diluted and DIBK with 1% Aliquot 336 is added. Au is extracted into organic phase with mixing and determined using extracted standards with an AAS.

EL7301 STREAM SEDIMENT SAMPLE DETAILS

LAB BATCH	SAMPLE	SAMPLE	Mesh	AMG	AMG	AMG	YEAR	Cu	Zn	Pb	Fe	Mn	Ars	Au	Ag	Tl
CODE	NUMBER	TYPE		EASTING	NORTHING	ZONE		ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm
AC 05025	DU8181	SSSED	+20#-2mm	535313	8231421	53	1992	8	15	15	25100	277	4	<1	<0.5	<1
AC 05025	DU8182	SSSED	+20#-2mm	535493	8231844	53	1992	7	11	19	29700	396	5	<1	<0.5	<1
AC 05025	DU8183	SSSED	+20#-2mm	535463	8231989	53	1992	13	10	25	58500	3099	18	<1	<0.5	<1
AC 05025	DU8184	SSSED	+20#-2mm	534683	8232047	53	1992	5	6	12	22700	167	5	<1	<0.5	<1
AC 05025	DU8185	SSSED	+20#-2mm	534497	8231555	53	1992	6	3	10	17200	48	5	<1	<0.5	<1
AC 05025	DU8186	SSSED	+20#-2mm	535899	8232231	53	1992	11	21	18	25300	788	4	<1	<0.5	<1
AC 05025	DU8187	SSSED	+20#-2mm	535697	8234719	53	1992	17	13	13	25000	95	23	<1	<0.5	<1
AC 05025	DU8188	SSSED	+20#-2mm	535180	8234613	53	1992	14	13	14	42900	168	8	<1	<0.5	<1
AC 05025	DU8189	SSSED	+20#-2mm	534889	8234340	53	1992	-	-	-	-	-	-	-	-	-
AC 05025	DU8190	SSSED	+20#-2mm	534808	8234533	53	1992	11	7	12	40600	51	11	<1	<0.5	<1
AC 05025	DU8191	SSSED	+20#-2mm	536079	8235337	53	1992	3	3	5	13200	18	3	<1	<0.5	<1
AC 05025	DU8192	SSSED	+20#-2mm	535935	8238839	53	1992	2	2	9	3610	9	<2	<1	<0.5	<1
AC 05025	DU8193	SSSED	+20#-2mm	536125	8239644	53	1992	<2	2	8	3350	26	<2	<1	<0.5	<1
AC 05025	DU8194	SSSED	+20#-2mm	537132	8239732	53	1992	6	12	15	11900	122	<2	<1	<0.5	<1
AC 05025	DU8195	SSSED	+20#-2mm	537194	8239867	53	1992	11	24	12	25000	157	2	<1	<0.5	<1
AC 05025	DU8196	SSSED	+20#-2mm	537139	8239114	53	1992	2	2	8	3520	14	<2	<1	<0.5	<1
AC 05025	DU8197	SSSED	+20#-2mm	537872	8244511	53	1992	6	9	14	109000	46	22	<1	<0.5	<1
AC 05025	DU8198	SSSED	+20#-2mm	537757	8244733	53	1992	6	9	21	60900	29	11	<1	<0.5	<1
AC 05025	DU8199	SSSED	+20#-2mm	538469	8244810	53	1992	11	17	23	30900	1152	4	<1	<0.5	<1
AC 05025	DU8200	SSSED	+20#-2mm	538112	8247024	53	1992	3	6	10	33700	35	8	<1	<0.5	<1
AC 05025	DU8202	SSSED	+20#-2mm	537240	8247825	53	1992	4	5	9	25600	49	5	<1	<0.5	<1
AC 05025	DU8203	SSSED	+20#-2mm	538074	8251283	53	1992	24	12	12	69600	1027	13	<1	<0.5	<1
AC 05025	DU8204	SSSED	+20#-2mm	539872	8250818	53	1992	12	26	84	34900	4395	9	<1	<0.5	<1
AC 05025	DU8205	SSSED	+20#-2mm	540087	8250649	53	1992	9	12	18	24700	881	10	<1	<0.5	<1
AC 05025	DU8206	SSSED	+20#-2mm	539650	8252182	53	1992	11	20	32	30900	2300	9	<1	<0.5	<1
AC 05025	DU8207	SSSED	+20#-2mm	538837	8253239	53	1992	5	5	12	15300	74	4	<1	<0.5	<1
AC 05025	DU8208	SSSED	+20#-2mm	538033	8253064	53	1992	3	4	8	11600	151	4	<1	<0.5	<1
AC 05025	DU8209	SSSED	+20#-2mm	537921	8252622	53	1992	5	3	7	18800	82	7	<1	<0.5	<1
AC 05025	DU8210	SSSED	+20#-2mm	540142	8253308	53	1992	11	21	15	21300	428	5	<1	<0.5	<1
AC 05025	DU8655	SSSED	+20#-2mm	527441	8249561	53	1992	2	<1	12	6230	29	<2	<1	<0.5	<1
AC 05025	DU8656	SSSED	+20#-2mm	527072	8249533	53	1992	3	<1	8	13900	26	2	<1	<0.5	<1
AC 05025	DU8657	SSSED	+20#-2mm	527195	8249764	53	1992	5	5	15	12700	52	2	<1	<0.5	<1
AC 05025	DU8658	SSSED	+20#-2mm	526621	8250367	53	1992	5	2	12	14000	38	2	<1	<0.5	<1
AC 05025	DU8659	SSSED	+20#-2mm	525488	8248490	53	1992	24	15	26	76900	2078	11	<1	<0.5	<1

EL7301 STREAM SEDIMENT SAMPLE DETAILS

LAB BATCH	SAMPLE	SAMPLE	Mesh	AMG	AMG	AMG	YEAR	Cu	Zn	Pb	Fe	Mn	Ars	Au	Ag	Tl
CODE	NUMBER	TYPE		EASTING	NORTHING	ZONE		ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm
AC 05025	DU8660	SSSED	+20#-2mm	524608	8248515	53	1992	17	15	13	58900	414	7	<1	<0.5	<1
AC 05025	DU8661	SSSED	+20#-2mm	524597	8248742	53	1992	7	4	13	24800	75	7	<1	<0.5	<1
AC 05025	DU8662	SSSED	+20#-2mm	523376	8247200	53	1992	21	26	8	123000	239	24	<1	<0.5	<1
AC 05025	DU8663	SSSED	+20#-2mm	523320	8248686	53	1992	13	18	8	107000	149	19	<1	<0.5	<1
AC 05025	DU8664	SSSED	+20#-2mm	523186	8250250	53	1992	22	24	10	67200	207	11	<1	<0.5	<1
AC 05025	DU8665	SSSED	+20#-2mm	523210	8251364	53	1992	11	16	7	29600	297	5	<1	<0.5	<1
AC 05025	DU8666	SSSED	+20#-2mm	523016	8251299	53	1992	9	9	4	54400	56	11	<1	<0.5	<1
AC 05025	DU8667	SSSED	+20#-2mm	522805	8250352	53	1992	13	14	7	127000	120	21	<1	<0.5	<1
AC 05025	DU8668	SSSED	+20#-2mm	524108	8249566	53	1992	8	9	8	33900	115	8	<1	<0.5	<1
AC 05025	DU8669	SSSED	+20#-2mm	524101	8250674	53	1992	10	9	5	32300	72	7	<1	<0.5	<1
AC 05025	DU8670	SSSED	+20#-2mm	540272	8254815	53	1992	-	-	-	-	-	-	-	-	-
AC 05024	DU8181	SSSED	-150#	535313	8231421	53	1992	6	12	17	12900	165	<2	<1	<0.5	<1
AC 05024	DU8182	SSSED	-150#	535493	8231844	53	1992	10	18	22	27000	472	<2	<1	<0.5	<1
AC 05024	DU8183	SSSED	-150#	535463	8231989	53	1992	12	16	8	21200	318	<2	<1	<0.5	<1
AC 05024	DU8184	SSSED	-150#	534683	8232047	53	1992	20	24	16	25200	460	<2	IS	<0.5	<1
AC 05024	DU8185	SSSED	-150#	534487	8231555	53	1992	11	11	16	18200	149	<2	<1	<0.5	<1
AC 05024	DU8186	SSSED	-150#	535899	8232231	53	1992	9	21	12	18900	236	<2	<1	<0.5	<1
AC 05024	DU8187	SSSED	-150#	535697	8234719	53	1992	20	22	16	30600	244	<2	<1	<0.5	<1
AC 05024	DU8188	SSSED	-150#	535180	8234613	53	1992	8	8	6	11600	45	<2	<1	<0.5	<1
AC 05024	DU8189	SSSED	-150#	534889	8234340	53	1992	6	7	8	13900	49	<2	<1	<0.5	<1
AC 05024	DU8190	SSSED	-150#	534808	8234533	53	1992	13	13	8	21000	108	<2	<1	<0.5	<1
AC 05024	DU8191	SSSED	-150#	536079	8235337	53	1992	3	6	11	10200	28	<2	<1	<0.5	<1
AC 05024	DU8192	SSSED	-150#	535935	8238839	53	1992	4	4	13	6590	22	<2	IS	<0.5	<1
AC 05024	DU8193	SSSED	-150#	536125	8239644	53	1992	5	6	9	8310	67	<2	<1	<0.5	<1
AC 05024	DU8194	SSSED	-150#	537132	8239732	53	1992	14	34	16	27200	215	<2	<1	<0.5	<1
AC 05024	DU8195	SSSED	-150#	537194	8239867	53	1992	13	25	17	25000	136	<2	IS	<0.5	<1
AC 05024	DU8196	SSSED	-150#	537139	8239114	53	1992	13	23	12	24600	273	<2	<1	<0.5	<1
AC 05024	DU8197	SSSED	-150#	537872	8244511	53	1992	6	8	14	18500	32	<2	<1	<0.5	<1
AC 05024	DU8198	SSSED	-150#	537757	8244733	53	1992	5	5	13	7450	10	<2	IS	<0.5	<1
AC 05024	DU8199	SSSED	-150#	538469	8244810	53	1992	10	15	4	16900	201	<2	<1	<0.5	<1
AC 05024	DU8200	SSSED	-150#	538112	8247024	53	1992	5	6	9	14800	30	<2	<1	<0.5	<1
AC 05024	DU8202	SSSED	-150#	537240	8247825	53	1992	6	6	12	11800	31	<2	<1	<0.5	<1
AC 05024	DU8203	SSSED	-150#	538074	8251283	53	1992	9	6	6	11700	68	<2	<1	<0.5	<1
AC 05024	DU8204	SSSED	-150#	539872	8250818	53	1992	6	14	6	13200	133	<2	<1	<0.5	<1

EL7301 STREAM SEDIMENT SAMPLE DETAILS

LAB BATCH	SAMPLE	SAMPLE	Mesh	AMG	AMG	AMG	YEAR	Cu	Zn	Pb	Fe	Mn	Ars	Au	Ag	TI
CODE	NUMBER	TYPE		EASTING	NORTHING	ZONE		ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm
AC 05024	DU8205	SSED	-150#	540087	8250649	53	1992	10	21	11	18100	242	<2	<1	<0.5	<1
AC 05024	DU8206	SSED	-150#	539650	8252182	53	1992	10	19	9	17900	203	<2	<1	<0.5	<1
AC 05024	DU8207	SSED	-150#	538837	8253239	53	1992	7	8	8	10600	109	<2	<1	<0.5	<1
AC 05024	DU8208	SSED	-150#	538033	8253064	53	1992	5	7	9	13200	180	<2	<1	<0.5	<1
AC 05024	DU8209	SSED	-150#	537921	8252622	53	1992	6	6	7	11200	102	<2	<1	<0.5	<1
AC 05024	DU8210	SSED	-150#	540142	8253308	53	1992	10	27	17	24500	140	<2	<1	<0.5	<1
AC 05024	DU8655	SSED	-150#	527441	8249561	53	1992	16	19	14	20400	470	<2	IS	<0.5	<1
AC 05024	DU8656	SSED	-150#	527072	8249533	53	1992	9	10	12	26300	61	2	IS	<0.5	<1
AC 05024	DU8657	SSED	-150#	527195	8249764	53	1992	11	12	9	16900	171	<2	IS	<0.5	<1
AC 05024	DU8658	SSED	-150#	526621	8250367	53	1992	2	4	2	4710	22	<2	IS	<0.5	<1
AC 05024	DU8659	SSED	-150#	525488	8248490	53	1992	10	14	8	14500	398	<2	IS	<0.5	<1
AC 05024	DU8660	SSED	-150#	524608	8248515	53	1992	12	13	3	19100	298	2	IS	<0.5	<1
AC 05024	DU8661	SSED	-150#	524597	8248742	53	1992	11	11	8	17400	232	2	IS	<0.5	<1
AC 05024	DU8662	SSED	-150#	523376	8247200	53	1992	14	19	7	19800	192	<2	IS	<0.5	<1
AC 05024	DU8663	SSED	-150#	523320	8248686	53	1992	12	18	10	22100	386	<2	IS	<0.5	<1
AC 05024	DU8664	SSED	-150#	523186	8250250	53	1992	21	25	8	24800	436	2	IS	<0.5	<1
AC 05024	DU8665	SSED	-150#	523210	8251364	53	1992	13	18	4	19400	380	<2	IS	<0.5	<1
AC 05024	DU8666	SSED	-150#	523016	8251299	53	1992	11	14	8	11200	161	<2	IS	<0.5	<1
AC 05024	DU8667	SSED	-150#	522805	8250352	53	1992	8	13	7	15000	168	<2	IS	<0.5	<1
AC 05024	DU8668	SSED	-150#	524108	8249566	53	1992	11	13	5	16300	191	<2	<1	<0.5	<1
AC 05024	DU8669	SSED	-150#	524101	8250674	53	1992	6	8	<2	13600	109	2	IS	<0.5	<1
AC 05024	DU8670	SSED	-150#	540272	8254815	53	1992	2	8	7	6620	119	<2	IS	<0.5	<1

EL7301 SOIL SAMPLE DETAILS

LAB BATCH	LAB	TENEMENT	SAMPLE	SIZE	AMG	AMG	AMG	YEAR	Cu	Zn	Pb	Fe	Mn	Ars	Ag
CODE	NAME	NUMBER	NUMBER	FRACTION	EASTING	NORTHING	ZONE		ppm	ppm	ppm	ppm	ppm	ppm	ppm
AC 10484	Assaycorp	EL7301	EH3708	-80 Mesh	546340	8221748	53	1993	6	8	35	6200	149	1	<0.5
AC 10484	Assaycorp	EL7301	EH3715	-80 Mesh	545610	8221580	53	1993	14	8	19	10900	1070	3	<0.5
AC 10484	Assaycorp	EL7301	EH3717	-80 Mesh	545420	8221540	53	1993	10	7	37	9200	634	5	<0.5
AC 10484	Assaycorp	EL7301	EH3716	-80 Mesh	545515	8221560	53	1993	9	8	15	12100	883	4	<0.5
AC 10484	Assaycorp	EL7301	EH3726	-80 Mesh	544225	8221270	53	1993	6	6	7	7400	197	2	<0.5
AC 10484	Assaycorp	EL7301	EH3725	-80 Mesh	544325	8221290	53	1993	2	3	-2	5900	255	8	<0.5
AC 10484	Assaycorp	EL7301	EH3724	-80 Mesh	544420	8221310	53	1993	2	4	2	6100	262	9	<0.5
AC 10484	Assaycorp	EL7301	EH3723	-80 Mesh	544515	8221330	53	1993	6	4	7	7000	392	10	<0.5
AC 10484	Assaycorp	EL7301	EH3722	-80 Mesh	544610	8221350	53	1993	5	4	2	7600	423	3	<0.5
AC 10484	Assaycorp	EL7301	EH3721	-80 Mesh	545040	8221450	53	1993	14	5	18	8200	473	5	<0.5
AC 10484	Assaycorp	EL7301	EH3720	-80 Mesh	545135	8221470	53	1993	13	11	7	13200	1420	13	<0.5
AC 10484	Assaycorp	EL7301	EH3719	-80 Mesh	545235	8221500	53	1993	16	4	17	6700	357	2	<0.5
AC 10484	Assaycorp	EL7301	EH3742	-80 Mesh	544860	8224000	53	1993	11	5	21	6900	229	4	<0.5
AC 10484	Assaycorp	EL7301	EH3741	-80 Mesh	544960	8224000	53	1993	11	11	20	14600	835	6	<0.5
AC 10484	Assaycorp	EL7301	EH3740	-80 Mesh	545060	8224000	53	1993	18	14	112	14200	1230	2	<0.5
AC 10484	Assaycorp	EL7301	EH3739	-80 Mesh	545160	8224000	53	1993	11	13	95	15900	958	3	<0.5
AC 10484	Assaycorp	EL7301	EH3738	-80 Mesh	545260	8224000	53	1993	21	14	223	17400	1280	8	<0.5
AC 10484	Assaycorp	EL7301	EH3737	-80 Mesh	545360	8224000	53	1993	16	16	172	18900	1040	9	<0.5
AC 10484	Assaycorp	EL7301	EH3736	-80 Mesh	545460	8224000	53	1993	18	20	304	16000	611	6	<0.5
AC 10484	Assaycorp	EL7301	EH3735	-80 Mesh	545560	8224000	53	1993	15	14	56	13100	511	5	<0.5
AC 10484	Assaycorp	EL7301	EH3743	-80 Mesh	544751	8224000	53	1993	9	6	16	8300	339	2	<0.5
AC 10484	Assaycorp	EL7301	EH3734	-80 Mesh	545660	8224000	53	1993	21	19	54	17200	1040	8	<0.5
AC 10484	Assaycorp	EL7301	EH3733	-80 Mesh	545760	8224000	53	1993	16	13	72	13700	913	2	<0.5
AC 10484	Assaycorp	EL7301	EH3732	-80 Mesh	545860	8224000	53	1993	18	13	52	12200	608	2	<0.5
AC 10484	Assaycorp	EL7301	EH3731	-80 Mesh	545960	8224000	53	1993	20	13	64	14300	498	1	<0.5
AC 10484	Assaycorp	EL7301	EH3730	-80 Mesh	546060	8224000	53	1993	22	18	35	15200	439	1	<0.5
AC 10484	Assaycorp	EL7301	EH3729	-80 Mesh	543938	8221198	53	1993	13	10	8	14300	333	2	<0.5
AC 10484	Assaycorp	EL7301	EH3728	-80 Mesh	544035	8221220	53	1993	15	16	4	17500	132	8	<0.5
AC 10484	Assaycorp	EL7301	EH3727	-80 Mesh	544130	8221240	53	1993	5	7	9	7800	227	4	<0.5
AC 10484	Assaycorp	EL7301	EH3718	-80 Mesh	545330	8221520	53	1993	23	17	10	11200	756	4	<0.5
AC 10484	Assaycorp	EL7301	EH3714	-80 Mesh	545710	8221610	53	1993	6	11	9	17100	1770	1	<0.5
AC 10484	Assaycorp	EL7301	EH3710	-80 Mesh	546090	8221700	53	1993	13	11	34	11900	1150	<1	<0.5
AC 10484	Assaycorp	EL7301	EH3711	-80 Mesh	545990	8221670	53	1993	11	18	83	7500	373	5	<0.5
AC 10484	Assaycorp	EL7301	EH3713	-80 Mesh	545810	8221630	53	1993	12	16	77	10800	769	6	<0.5

EL7301 SOIL SAMPLE DETAILS

LAB BATCH	LAB	TENEMENT	SAMPLE	SIZE	AMG	AMG	AMG	YEAR	Cu	Zn	Pb	Fe	Mn	Ars	Ag
CODE	NAME	NUMBER	NUMBER	FRACTION	EASTING	NORTHING	ZONE		ppm	ppm	ppm	ppm	ppm	ppm	ppm
AC 10484	Assaycorp	EL7301	EH3712	-80 Mesh	545905	8221650	53	1993	7	13	10	8800	329	2	<0.5
AC 10484	Assaycorp	EL7301	EH3709	-80 Mesh	546280	8221740	53	1993	11	9	31	11100	516	1	<0.5
AC 10556	Assaycorp	EL7301	EI5852	-80 Mesh	546300	8228000	53	1993	5	18	21	8100	368	<1	<0.5
AC 10556	Assaycorp	EL7301	EI5854	-80 Mesh	546200	8228000	53	1993	6	16	29	10400	652	1	<0.5
AC 10556	Assaycorp	EL7301	EI5856	-80 Mesh	546100	8228000	53	1993	6	8	20	6800	270	<1	<0.5
AC 10556	Assaycorp	EL7301	EI5858	-80 Mesh	546000	8228000	53	1993	6	6	14	7400	275	<1	<0.5
AC 10556	Assaycorp	EL7301	EI5860	-80 Mesh	545900	8228000	53	1993	15	14	26	12900	741	5	<0.5
AC 10556	Assaycorp	EL7301	EI5928	-80 Mesh	544300	8229000	53	1993	18	2	13	7500	417	5	<0.5
AC 10556	Assaycorp	EL7301	EI5927	-80 Mesh	544200	8229000	53	1993	19	13	15	10300	519	9	<0.5
AC 10556	Assaycorp	EL7301	EI5926	-80 Mesh	544100	8229000	53	1993	89	6	11	12200	769	3	<0.5
AC 10556	Assaycorp	EL7301	EI5925	-80 Mesh	544000	8229000	53	1993	68	6	17	13500	842	5	<0.5
AC 10556	Assaycorp	EL7301	EI5924	-80 Mesh	543900	8229000	53	1993	63	3	15	11600	625	5	<0.5
AC 10556	Assaycorp	EL7301	EI5923	-80 Mesh	543600	8229000	53	1993	32	8	12	8200	389	4	<0.5
AC 10556	Assaycorp	EL7301	EI5922	-80 Mesh	543500	8229000	53	1993	23	2	13	6900	562	9	<0.5
AC 10556	Assaycorp	EL7301	EI5921	-80 Mesh	543400	8229000	53	1993	25	4	15	9200	413	9	<0.5
AC 10556	Assaycorp	EL7301	EI5944	-80 Mesh	546100	8229000	53	1993	32	8	17	11900	584	14	<0.5
AC 10556	Assaycorp	EL7301	EI5943	-80 Mesh	546000	8229000	53	1993	39	9	27	11300	692	10	<0.5
AC 10556	Assaycorp	EL7301	EI5942	-80 Mesh	545900	8229000	53	1993	14	12	36	9900	691	8	<0.5
AC 10556	Assaycorp	EL7301	EI5941	-80 Mesh	545700	8229000	53	1993	86	6	18	11500	612	7	<0.5
AC 10556	Assaycorp	EL7301	EI5940	-80 Mesh	545600	8229000	53	1993	23	4	14	8500	468	7	<0.5
AC 10556	Assaycorp	EL7301	EI5939	-80 Mesh	545500	8229000	53	1993	49	6	35	12200	607	13	<0.5
AC 10556	Assaycorp	EL7301	EI5938	-80 Mesh	545400	8229000	53	1993	95	7	26	14200	643	12	<0.5
AC 10556	Assaycorp	EL7301	EI5937	-80 Mesh	545300	8229000	53	1993	46	8	20	16600	968	11	<0.5
AC 10556	Assaycorp	EL7301	EI5946	-80 Mesh	546300	8229000	53	1993	24	6	14	11400	758	3	<0.5
AC 10556	Assaycorp	EL7301	EI5945	-80 Mesh	546200	8229000	53	1993	33	7	11	10400	787	6	<0.5
AC 10556	Assaycorp	EL7301	EI5936	-80 Mesh	545200	8229000	53	1993	30	2	4	8100	363	4	<0.5
AC 10556	Assaycorp	EL7301	EI5935	-80 Mesh	545100	8229000	53	1993	48	10	21	15200	723	10	<0.5
AC 10556	Assaycorp	EL7301	EI5934	-80 Mesh	544900	8229000	53	1993	176	9	30	22200	1280	13	<0.5
AC 10556	Assaycorp	EL7301	EI5933	-80 Mesh	544800	8229000	53	1993	60	7	24	14600	667	11	<0.5
AC 10556	Assaycorp	EL7301	EI5932	-80 Mesh	544700	8229000	53	1993	74	8	30	21200	1170	13	<0.5
AC 10556	Assaycorp	EL7301	EI5931	-80 Mesh	544600	8229000	53	1993	58	8	19	16800	709	12	<0.5
AC 10556	Assaycorp	EL7301	EI5930	-80 Mesh	544500	8229000	53	1993	36	3	14	10100	729	9	<0.5
AC 10556	Assaycorp	EL7301	EI5929	-80 Mesh	544400	8229000	53	1993	18	6	10	9900	491	5	<0.5
AC 10556	Assaycorp	EL7301	EI5920	-80 Mesh	544500	8230000	53	1993	16	4	17	9300	886	6	<0.5

EL7301 SOIL SAMPLE DETAILS

LAB BATCH	LAB	TENEMENT	SAMPLE	SIZE	AMG	AMG	AMG	YEAR	Cu	Zn	Pb	Fe	Mn	Ars	Ag
CODE	NAME	NUMBER	NUMBER	FRACTION	EASTING	NORTHING	ZONE		ppm	ppm	ppm	ppm	ppm	ppm	ppm
AC 10556	Assaycorp	EL7301	E15919	-80 Mesh	544600	8230000	53	1993	19	2	13	7800	831	3	<0.5
AC 10556	Assaycorp	EL7301	E15918	-80 Mesh	544700	8230000	53	1993	35	4	13	10100	896	5	<0.5
AC 10556	Assaycorp	EL7301	E15917	-80 Mesh	544800	8230000	53	1993	38	8	12	16100	417	9	<0.5
AC 10556	Assaycorp	EL7301	E15916	-80 Mesh	544900	8230000	53	1993	29	5	10	9400	403	5	<0.5
AC 10556	Assaycorp	EL7301	E15915	-80 Mesh	545000	8230000	53	1993	55	8	17	12900	798	10	<0.5
AC 10556	Assaycorp	EL7301	E15914	-80 Mesh	545100	8230000	53	1993	11	6	15	5900	755	3	<0.5
AC 10556	Assaycorp	EL7301	E15913	-80 Mesh	545200	8230000	53	1993	19	5	14	10000	426	4	<0.5
AC 10556	Assaycorp	EL7301	E15862	-80 Mesh	545800	8228000	53	1993	13	8	11	7700	636	4	<0.5
AC 10556	Assaycorp	EL7301	E15864	-80 Mesh	545700	8228000	53	1993	38	14	25	16100	1140	2	<0.5
AC 10556	Assaycorp	EL7301	E15866	-80 Mesh	545600	8228000	53	1993	23	16	27	9500	215	3	<0.5
AC 10556	Assaycorp	EL7301	E15868	-80 Mesh	545400	8228000	53	1993	38	18	28	17400	1410	2	<0.5
AC 10556	Assaycorp	EL7301	E15870	-80 Mesh	545300	8228000	53	1993	14	12	14	11400	645	4	<0.5
AC 10556	Assaycorp	EL7301	E15872	-80 Mesh	545200	8228000	53	1993	16	8	10	9200	637	3	<0.5
AC 10556	Assaycorp	EL7301	E15874	-80 Mesh	545100	8228000	53	1993	36	9	27	11500	845	9	<0.5
AC 10556	Assaycorp	EL7301	E15876	-80 Mesh	545000	8228000	53	1993	51	13	37	17200	1310	11	<0.5
AC 10556	Assaycorp	EL7301	E15912	-80 Mesh	545300	8230000	53	1993	8	6	12	6400	523	2	<0.5
AC 10556	Assaycorp	EL7301	E15911	-80 Mesh	545500	8230000	53	1993	8	5	9	16700	588	1	<0.5
AC 10556	Assaycorp	EL7301	E15910	-80 Mesh	545600	8230000	53	1993	11	6	18	6900	618	5	<0.5
AC 10556	Assaycorp	EL7301	E15909	-80 Mesh	545700	8230000	53	1993	53	13	29	21600	1010	12	<0.5
AC 10556	Assaycorp	EL7301	E15908	-80 Mesh	545800	8230000	53	1993	59	14	21	24300	846	14	<0.5
AC 10556	Assaycorp	EL7301	E15907	-80 Mesh	545900	8230000	53	1993	36	11	20	17300	723	6	<0.5
AC 10556	Assaycorp	EL7301	E15906	-80 Mesh	546000	8230000	53	1993	33	8	17	16800	508	8	<0.5
AC 10556	Assaycorp	EL7301	E15905	-80 Mesh	546100	8230000	53	1993	41	9	15	18300	775	7	<0.5
AC 10556	Assaycorp	EL7301	E15904	-80 Mesh	546200	8230000	53	1993	29	10	14	11900	684	6	<0.5
AC 10556	Assaycorp	EL7301	E15903	-80 Mesh	546300	8230000	53	1993	15	6	14	8300	458	5	<0.5
AC 10556	Assaycorp	EL7301	E15878	-80 Mesh	544900	8228000	53	1993	78	18	58	19400	1090	10	<0.5
AC 10556	Assaycorp	EL7301	E15880	-80 Mesh	544800	8228000	53	1993	84	12	29	17100	641	11	<0.5
AC 10556	Assaycorp	EL7301	E15882	-80 Mesh	544700	8228000	53	1993	66	13	37	16400	1180	9	<0.5
AC 10556	Assaycorp	EL7301	E15884	-80 Mesh	544600	8228000	53	1993	30	8	20	9300	593	5	<0.5
AC 10556	Assaycorp	EL7301	E15886	-80 Mesh	544500	8228000	53	1993	55	11	23	15000	831	7	<0.5
AC 10556	Assaycorp	EL7301	E14860	-80 Mesh	546300	8227000	53	1993	12	55	36	13200	332	8	<0.5
AC 10556	Assaycorp	EL7301	E14861	-80 Mesh	546200	8227000	53	1993	12	12	32	11000	648	7	<0.5
AC 10556	Assaycorp	EL7301	E14862	-80 Mesh	546100	8227000	53	1993	9	16	19	13700	434	5	<0.5
AC 10556	Assaycorp	EL7301	E14863	-80 Mesh	546000	8227000	53	1993	36	61	255	20500	713	31	1.7

EL7301 SOIL SAMPLE DETAILS

LAB BATCH	LAB	TENEMENT	SAMPLE	SIZE	AMG	AMG	AMG	YEAR	Cu	Zn	Pb	Fe	Mn	Ars	Ag
CODE	NAME	NUMBER	NUMBER	FRACTION	EASTING	NORTHING	ZONE		ppm	ppm	ppm	ppm	ppm	ppm	ppm
AC 10556	Assaycorp	EL7301	EI4864	-80 Mesh	545900	8227000	53	1993	25	38	73	16700	1020	14	0.6
AC 10556	Assaycorp	EL7301	EI4865	-80 Mesh	545800	8227000	53	1993	11	17	45	13300	707	8	<0.5
AC 10556	Assaycorp	EL7301	EI4866	-80 Mesh	545650	8227000	53	1993	8	11	31	10700	854	5	<0.5
AC 10556	Assaycorp	EL7301	EI4867	-80 Mesh	545570	8227000	53	1993	6	8	27	7100	367	2	<0.5
AC 10556	Assaycorp	EL7301	EI4868	-80 Mesh	545300	8227000	53	1993	6	16	45	8700	286	4	<0.5
AC 10556	Assaycorp	EL7301	EI4869	-80 Mesh	545200	8227000	53	1993	14	13	28	8400	544	3	<0.5
AC 10556	Assaycorp	EL7301	EI4870	-80 Mesh	545100	8227000	53	1993	30	14	41	14200	789	6	<0.5
AC 10556	Assaycorp	EL7301	EI4871	-80 Mesh	545000	8227000	53	1993	29	13	39	13100	707	5	<0.5
AC 10556	Assaycorp	EL7301	EI4872	-80 Mesh	544900	8227000	53	1993	46	19	26	11900	864	8	<0.5
AC 10556	Assaycorp	EL7301	EI4873	-80 Mesh	544800	8227000	53	1993	44	11	27	13400	790	10	<0.5
AC 10556	Assaycorp	EL7301	EI4874	-80 Mesh	544700	8227000	53	1993	31	13	20	9700	496	3	<0.5
AC 10556	Assaycorp	EL7301	EI4875	-80 Mesh	544600	8227000	53	1993	34	11	29	14100	667	6	<0.5
AC 10556	Assaycorp	EL7301	EI4876	-80 Mesh	544500	8227000	53	1993	30	14	60	13300	703	50	<0.5
AC 10556	Assaycorp	EL7301	EI4877	-80 Mesh	544400	8227000	53	1993	78	12	40	17700	854	12	<0.5
AC 10556	Assaycorp	EL7301	EI4878	-80 Mesh	544300	8227000	53	1993	51	10	34	12900	559	10	<0.5
AC 10556	Assaycorp	EL7301	EI4879	-80 Mesh	544200	8227000	53	1993	61	11	32	15600	524	7	<0.5
AC 10556	Assaycorp	EL7301	EI4880	-80 Mesh	544260	8226020	53	1993	16	14	22	9800	226	3	<0.5
AC 10556	Assaycorp	EL7301	EI4881	-80 Mesh	544360	8226020	53	1993	15	10	18	6700	637	2	<0.5
AC 10556	Assaycorp	EL7301	EI4882	-80 Mesh	544460	8226020	53	1993	49	14	48	19400	812	8	<0.5
AC 10556	Assaycorp	EL7301	EI4883	-80 Mesh	544560	8226020	53	1993	43	15	70	15500	1010	4	<0.5
AC 10556	Assaycorp	EL7301	EI4975	-80 Mesh	544600	8224950	53	1993	12	19	83	10900	442	<1	<0.5
AC 10556	Assaycorp	EL7301	EI4974	-80 Mesh	544840	8224950	53	1993	16	26	81	12100	677	2	<0.5
AC 10556	Assaycorp	EL7301	EI4973	-80 Mesh	544940	8224950	53	1993	26	29	150	15500	424	9	<0.5
AC 10556	Assaycorp	EL7301	EI4972	-80 Mesh	545040	8224950	53	1993	28	55	211	12500	671	3	<0.5
AC 10556	Assaycorp	EL7301	EI4971	-80 Mesh	545290	8224950	53	1993	15	19	70	10500	435	<1	<0.5
AC 10556	Assaycorp	EL7301	EI4970	-80 Mesh	545390	8224950	53	1993	7	9	38	9200	478	<1	<0.5
AC 10556	Assaycorp	EL7301	EI4969	-80 Mesh	545580	8224950	53	1993	16	16	58	18200	851	8	<0.5
AC 10556	Assaycorp	EL7301	EI4968	-80 Mesh	545680	8224950	53	1993	22	18	90	17400	1360	2	<0.5
AC 10556	Assaycorp	EL7301	EI4967	-80 Mesh	545780	8224950	53	1993	25	11	22	14200	807	1	<0.5
AC 10556	Assaycorp	EL7301	EI4964	-80 Mesh	546070	8224950	53	1993	15	16	44	14400	1070	6	<0.5
AC 10556	Assaycorp	EL7301	EI4963	-80 Mesh	546170	8224950	53	1993	25	40	89	17100	732	15	<0.5
AC 10556	Assaycorp	EL7301	EI4962	-80 Mesh	546270	8224950	53	1993	41	58	147	16600	1370	21	<0.5
AC 10556	Assaycorp	EL7301	EI4884	-80 Mesh	544660	8226020	53	1993	40	15	62	13500	660	3	<0.5
AC 10556	Assaycorp	EL7301	EI4885	-80 Mesh	544760	8226020	53	1993	28	10	16	12600	449	3	<0.5

EL7301 SOIL SAMPLE DETAILS

LAB BATCH	LAB	TENEMENT	SAMPLE	SIZE	AMG	AMG	AMG	YEAR	Cu	Zn	Pb	Fe	Mn	Ars	Ag
CODE	NAME	NUMBER	NUMBER	FRACTION	EASTING	NORTHING	ZONE		ppm	ppm	ppm	ppm	ppm	ppm	ppm
AC 10556	Assaycorp	EL7301	EI4886	-80 Mesh	545850	8226020	53	1993	11	12	14	9900	386	4	<0.5
AC 10556	Assaycorp	EL7301	EI4887	-80 Mesh	545750	8226020	53	1993	15	29	39	16100	1100	10	<0.5
AC 10556	Assaycorp	EL7301	EI4888	-80 Mesh	545650	8226020	53	1993	9	24	49	15400	908	10	<0.5
AC 10556	Assaycorp	EL7301	EI4889	-80 Mesh	545550	8226020	53	1993	22	119	130	25200	1530	24	<0.5
AC 10556	Assaycorp	EL7301	EI4890	-80 Mesh	545350	8226020	53	1993	12	19	53	23300	456	30	<0.5
AC 10556	Assaycorp	EL7301	EI4891	-80 Mesh	545250	8226020	53	1993	26	48	133	19900	475	24	<0.5
AC 10556	Assaycorp	EL7301	EI4892	-80 Mesh	545150	8226020	53	1993	38	27	116	20300	533	21	<0.5
AC 10556	Assaycorp	EL7301	EI4893	-80 Mesh	545050	8226020	53	1993	33	40	29	14600	596	5	<0.5
AC 10556	Assaycorp	EL7301	EI4894	-80 Mesh	545950	8226020	53	1993	44	20	23	11800	1030	5	<0.5
AC 10556	Assaycorp	EL7301	EI4895	-80 Mesh	545850	8226020	53	1993	18	8	18	10600	359	1	<0.5
AC 10556	Assaycorp	EL7301	EI4896	-80 Mesh	545450	8226020	53	1993	15	122	75	20700	799	24	<0.5
29756	Analabs	EL7301	EI4526	-80 Mesh	536523	8251962	53	1994	5	5	6	5200	207	-	-
29756	Analabs	EL7301	EI4527	-80 Mesh	536623	8251962	53	1994	5	6	4	5300	133	-	-
29756	Analabs	EL7301	EI4528	-80 Mesh	536723	8251962	53	1994	7	6	5	12200	196	-	-
29756	Analabs	EL7301	EI4529	-80 Mesh	536823	8251962	53	1994	8	6	3	10400	170	-	-
29756	Analabs	EL7301	EI4530	-80 Mesh	536923	8251962	53	1994	5	7	<3	7700	163	-	-
29756	Analabs	EL7301	EI4531	-80 Mesh	537023	8251962	53	1994	8	7	4	9600	282	-	-
29756	Analabs	EL7301	EI4532	-80 Mesh	537123	8251962	53	1994	8	6	5	8400	154	-	-
29756	Analabs	EL7301	EI4533	-80 Mesh	537223	8251962	53	1994	9	8	<3	9000	186	-	-
29756	Analabs	EL7301	EI4534	-80 Mesh	537323	8251962	53	1994	8	7	<3	11200	176	-	-
29756	Analabs	EL7301	EI4535	-80 Mesh	537423	8251962	53	1994	13	12	5	17200	155	-	-
29756	Analabs	EL7301	EI4536	-80 Mesh	537523	8251962	53	1994	13	<2	9	20000	353	-	-
29756	Analabs	EL7301	EI4537	-80 Mesh	537623	8251962	53	1994	12	14	7	16100	610	-	-
29756	Analabs	EL7301	EI4538	-80 Mesh	537623	8251962	53	1994	12	14	7	16000	620	-	-
29756	Analabs	EL7301	EI4539	-80 Mesh	537723	8251962	53	1994	9	9	6	12900	116	-	-
29756	Analabs	EL7301	EI4540	-80 Mesh	537823	8251962	53	1994	12	12	10	17800	900	-	-
29756	Analabs	EL7301	EI4541	-80 Mesh	537923	8251962	53	1994	8	7	<3	1200	135	-	-
29756	Analabs	EL7301	EI4542	-80 Mesh	538023	8251962	53	1994	6	5	5	9600	166	-	-
29756	Analabs	EL7301	EI4543	-80 Mesh	538123	8251962	53	1994	14	19	7	27400	500	-	-
29756	Analabs	EL7301	EI4544	-80 Mesh	538223	8251962	53	1994	10	16	4	22000	74	-	-
29756	Analabs	EL7301	EI4545	-80 Mesh	538323	8251962	53	1994	5	7	8	20500	80	-	-
29756	Analabs	EL7301	EI4546	-80 Mesh	538423	8251962	53	1994	4	6	3	10900	222	-	-
29756	Analabs	EL7301	EI4547	-80 Mesh	538523	8251962	53	1994	6	7	3	16700	148	-	-
29756	Analabs	EL7301	EI4548	-80 Mesh	538623	8251962	53	1994	6	9	6	9100	197	-	-

EL7301 SOIL SAMPLE DETAILS

LAB BATCH	LAB	TENEMENT	SAMPLE	SIZE	AMG	AMG	AMG	YEAR	Cu	Zn	Pb	Fe	Mn	Ars	Ag
CODE	NAME	NUMBER	NUMBER	FRACTION	EASTING	NORTHING	ZONE		ppm	ppm	ppm	ppm	ppm	ppm	ppm
29756	Analabs	EL7301	EI4549	-80 Mesh	538723	8251962	53	1994	7	12	4	16500	107	-	-
29756	Analabs	EL7301	EI4550	-80 Mesh	538823	8251962	53	1994	7	7	5	10900	132	-	-
29756	Analabs	EL7301	EI4551	-80 Mesh	538923	8251962	53	1994	29	25	6	23600	500	-	-
29756	Analabs	EL7301	EI4552	-80 Mesh	539023	8251962	53	1994	11	9	<3	10600	125	-	-

EL7301 ROCK SAMPLE DETAILS

LAB BATCH	LAB	TENEMENT	SAMPLE	AMG	AMG	AMG	YEAR	Cu	Zn	Pb	Fe	Mn	As	Ag
CODE	NAME	NUMBER	NUMBER	EASTING	NORTHING	ZONE		ppm	ppm	ppm	ppm	ppm	ppm	ppm
AC 10557	Assaycorp	EL7301	EH1290	542800	8249780	53	1993	465	1360	18	301000	67400	26	<0.5
AC 10557	Assaycorp	EL7302	EH1291	542750	8249760	53	1993	610	1220	<2	344000	60500	11	<0.5
AC 10557	Assaycorp	EL7303	EH1292	542300	8249900	53	1993	206	130	74	233000	31800	140	<0.5
AC 10557	Assaycorp	EL7304	EH1288	546300	8229050	53	1993	66	26	7	22900	493	6	<0.5
AC 10557	Assaycorp	EL7305	EH1289	546300	8229050	53	1993	189	3	8	3100	128	2	<0.5

ROCK, DRILL CORE, DRILL CHIP ANALYSIS DESCRIPTION

Scheme Code: GP033

Sample preparation of drill core/rock samples; dry, jaw crush, fine pulverise

Scheme Code: D140

Aqua regia/perchloric acid digest (0.3g sample)

Scheme Code: GI140

ICPOES determination

Cu: Copper
Pb: Lead
Zn: Zinc
Fe: Iron
Mn: Manganese
As: Arsenic
Ni: Nickel
Co: Cobalt
Mo: Molybdenum
Cr: Chromium
P : Phosphorus
V : Vanadium
Cd: Cadmium
Ag: Silver

1994 BAUHINIA DOWNS PROJECT DRILLING SAMPLE DETAILS

LAB BATCH	HOLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	Cu	Pb	Zn	Mn	Fe	Ag	Ars	Co	Cr	Ni	P	Cd	Mo	V
CODE	NAME	NUMBER	FROM (m)	TO (m)	TYPE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
TV30367	BDP001	DJ9925	0	6	CHIP	8	14	23	927	16900	-0.2	10	6	7	13	250	-1	-5	47
TV30367	BDP001	DJ9926	6	12	CHIP	12	21	18	850	18600	-0.2	9	10	11	15	350	-1	-5	57
TV30367	BDP001	DJ9927	12	18	CHIP	12	27	42	733	18500	-0.2	10	8	10	14	300	-1	-5	67
TV30367	BDP001	DJ9928	18	24	CHIP	10	44	54	483	19400	-0.2	12	8	12	19	450	-1	-5	75
TV30367	BDP001	DJ9929	24	30	CHIP	12	136	119	449	19600	-0.2	38	9	10	27	550	-1	-5	87
TV30367	BDP001	DJ9930	30	36	CHIP	15	90	170	528	19700	-0.2	22	10	13	22	600	-1	-5	106
TV30367	BDP001	DJ9931	36	42	CHIP	21	605	530	502	15900	0.4	71	18	19	31	850	2	11	116
TV30367	BDP001	DJ9932	42	48	CHIP	57	47	64	602	9600	-0.2	19	11	22	12	650	-1	-5	111
TV30367	BDP001	DJ9933	48	54	CHIP	47	8	29	844	5300	-0.2	-2	2	-5	2	400	-1	-5	50
TV30367	BDP001	DJ9934	54	60	CHIP	11	9	20	742	4100	-0.2	-2	2	-5	-2	350	-1	-5	46
TV30367	BDP001	DJ9935	60	66	CHIP	10	3	22	751	3800	-0.2	-2	3	-5	-2	350	-1	-5	46
TV30367	BDP001	DJ9936	66	72	CHIP	5	4	28	749	5600	-0.2	-2	2	-5	2	400	-1	-5	46
TV30367	BDP001	DJ9937	72	78	CHIP	5	11	24	722	4200	-0.2	-2	2	-5	-2	450	-1	-5	45
TV30367	BDP001	DJ9938	78	84	CHIP	21	3	30	789	5100	-0.2	-2	3	-5	2	500	-1	-5	44
TV30367	BDP002	DJ9939	0	6	CHIP	43	40	22	534	19000	-0.2	26	9	16	10	400	-1	-5	55
TV30367	BDP002	DJ9940	6	12	CHIP	57	616	95	414	29200	-0.2	82	14	19	20	200	-1	5	72
TV30367	BDP002	DJ9941	12	18	CHIP	55	33	45	680	11700	-0.2	29	10	5	12	300	-1	7	52
TV30367	BDP002	DJ9942	18	24	CHIP	26	76	50	766	11400	-0.2	16	6	6	10	300	-1	-5	54
TV30367	BDP002	DJ9943	24	30	CHIP	14	9	10	886	11200	-0.2	16	7	-5	9	300	-1	-5	50
TV30367	BDP002	DJ9944	30	36	CHIP	12	10	10	1110	11500	-0.2	13	6	6	9	350	-1	-5	54
TV30367	BDP002	DJ9945	36	42	CHIP	21	7	10	1390	10000	-0.2	2	8	8	14	400	-1	-5	44
TV30367	BDP002	DJ9946	42	48	CHIP	18	16	16	1830	12200	-0.2	8	7	7	12	450	-1	-5	48
TV30367	BDP002	DJ9947	48	54	CHIP	4	8	16	2200	14400	-0.2	5	6	7	7	500	-1	-5	43
TV30367	BDP002	DJ9948	54	60	CHIP	11	49	136	1100	14300	-0.2	23	10	10	11	300	-1	-5	50
TV30367	BDP002	DJ9949	60	66	CHIP	18	265	39	985	18800	-0.2	28	13	9	15	300	-1	11	54
TV30367	BDP002	DJ9950	66	72	CHIP	10	35	31	749	17800	-0.2	12	9	11	15	350	-1	-5	68
TV30367	BDP002	DJ9951	72	78	CHIP	10	27	48	585	20200	-0.2	19	8	14	18	400	-1	-5	80
TV30367	BDP002	DJ9952	78	84	CHIP	11	27	152	465	19600	-0.2	17	8	14	20	550	-1	6	89
TV30367	BDP002	DJ9953	84	90	CHIP	16	28	59	505	21200	-0.2	24	8	13	28	600	-1	-5	112
TV30367	BDP002	DJ9954	90	96	CHIP	27	199	211	473	18000	-0.2	44	10	20	29	700	-1	8	119
TV30367	BDP002	DJ9955	96	102	CHIP	47	75	94	513	17700	-0.2	56	17	22	21	700	-1	-5	132
TV30367	BDP002	DJ9956	102	108	CHIP	64	58	121	1000	8400	-0.2	17	7	17	7	350	-1	-5	42

WHOLE ROCK ANALYSIS DESCRIPTION

Scheme Code: GP032

Sample preparation of percussion/rock/core samples; dry, jaw crush, fine pulverise

Scheme Code: D140

Aqua regia/perchloric acid digest (0.3g sample)

Scheme Code: GI140

ICPOES determination

Cu: Copper
Pb: Lead
Zn: Zinc
Fe: Iron
Mn: Manganese
As: Arsenic
Ni: Nickel
Co: Cobalt
Mo: Molybdenum
Cr: Chromium
P : Phosphorus
V : Vanadium
Cd: Cadmium
Ag: Silver

Scheme Code: OX408

Glass fusion XRF (preferred method for silicates)

Fe₂O₃: Iron Oxide
MnO: Manganese Oxide
K₂O: Potassium Oxide
MgO: Magnesium Oxide
Na₂O: Sodium Oxide
Al₂O₃: Alumina
SiO₂: Silica
TiO₂: Titanium Dioxide
CaO: Calcium Oxide
P₂O₅: Phosphorus Pentoxide

Scheme Code: OM615

Loss on Ignition (LOI) - gravimetric

LOI: Loss on Ignition

1994 BAUHINIA DOWNS PROJECT DRILLING WHOLE ROCK SAMPLE DETAILS

LAB BATCH	HOLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	Cu	Pb	Zn	Mn	Fe	Ag	Ars	Co	Cr	Ni	P	Cd	Mo	V
CODE	NAME	NUMBER	FROM (m)	TO (m)	TYPE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
30589	BDP001	EH3860	18	20	CHIP	17	19	18	791	18000	-0.2	14	8	14	13	450	-0.5	-2	64
30589	BDP001	EH3861	36	38	CHIP	11	55	148	531	19800	-0.2	38	10	24	19	700	-0.5	2	120
30589	BDP001	EH3862	38	40	CHIP	35	1490	1070	404	15300	1.4	102	19	30	44	900	2.9	19	110
30589	BDP001	EH3863	40	42	CHIP	37	190	202	492	16600	0.4	76	23	25	31	1350	-0.5	9	123
30589	BDP001	EH3864	58	60	CHIP	11	27	20	682	3700	-0.2	-2	2	-2	-2	450	0.6	-2	31
30589	BDP002	EH3853	32	34	CHIP	15	9	11	1030	10600	-0.2	12	7	9	9	450	-0.5	-2	42
30589	BDP002	EH3854	52	54	CHIP	5	13	14	1950	13700	-0.2	11	6	11	6	600	-0.5	-2	35
30589	BDP002	EH3855	72	74	CHIP	16	33	35	682	18100	-0.2	15	7	15	13	500	-0.5	3	69
30589	BDP002	EH3856	90	92	CHIP	24	33	92	470	21100	-0.2	32	8	22	19	650	-0.5	-2	118
30589	BDP002	EH3857	92	94	CHIP	27	135	74	443	19900	-0.2	40	10	27	32	900	0.5	9	119
30589	BDP002	EH3858	94	96	CHIP	34	840	610	398	16000	0.6	78	14	29	36	1150	1.6	13	118
30589	BDP002	EH3859	106	108	CHIP	33	50	118	893	7100	-0.2	7	3	5	3	350	-0.5	-2	32

1994 BAUHINIA DOWNS PROJECT DRILLING WHOLE ROCK SAMPLE DETAILS

SAMPLE NUMBER	MnO wt%	K2O wt%	MgO wt%	Na2O wt%	Al2O3 wt%	SiO2 wt%	TiO2 wt%	CaO wt%	P2O5 wt%	Fe2O3 wt%	LOI
EH3860	0.09	5.97	7.28	0.13	8.91	45	0.34	11.08	0.11	2.53	17.4
EH3861	0.06	7.19	6.22	0.13	9.86	46.72	0.48	9.8	0.18	2.87	14.98
EH3862	0.05	8.27	4.2	0.11	11.02	51.65	0.48	6.47	0.27	3.11	12.72
EH3863	0.06	7.67	5.16	0.14	10.51	51.3	0.41	8.12	0.32	2.35	12.67
EH3864	0.09	1.08	18.72	0.17	1.3	9	0.05	26.75	0.04	0.61	41.74
EH3853	0.13	3.28	11.73	0.13	5.06	33.13	0.2	17.21	0.09	1.61	26.98
EH3854	0.25	4.42	9.86	0.12	6.49	38.14	0.24	14.67	0.13	2.04	23.02
EH3855	0.08	6.06	7.4	0.13	9.14	45.03	0.35	10.93	0.12	2.66	17.42
EH3856	0.06	6.73	6.18	0.11	10.02	47.63	0.55	9.37	0.18	3.05	14.46
EH3857	0.05	7.52	4.97	0.11	10.64	50.52	0.5	7.51	0.25	3.24	13.34
EH3858	0.05	7.81	4.42	0.15	10.64	51.65	0.45	6.98	0.33	3.1	13.2
EH3859	0.11	1.54	16.45	0.13	1.88	18.02	0.07	23.65	0.04	1.08	36.57

APPENDIX 10

Drill Logs - EL 7301

BDP001/TOBACCO YARD
8227790N 545806E

- 0-1 Soil
- 1-46 Proterozoic Barney Creek Formation.
- 1-6 Weathered laminated carbonaceous dolomitic siltstone.
- 6 Box
- 6-10 Black laminated carbonaceous dolomitic siltstone.
- 10-12 Black laminated carbonaceous dolomitic siltstone and interbedded grey dolomitic siltstone.
- 12-40 Black laminated carbonaceous dolomitic siltstone.
- 40 WT
- 40-42 Black laminated carbonaceous dolomitic siltstone.
- 42-44 Black laminated carbonaceous dolomitic siltstone and interbedded grey dolomitic siltstone.
- 44-46 Grey dolomitic siltstone.
- 46-84 Proterozoic Teena Dolomite.
- 46-50 Pink dololomite.
- 50-84 Pink dololomite with hematite mottling.

EOH

Sampled 0-84 m

CARPENTAR/REPAIR/FAF/DW

BDP002/TOBACCO YARD
8227960N 542800E

- 0-6 Proterozoic Reward Dolomite.
Weathered laminated dolomite.
- 6-108 Proterozoic Barney Creek Formation.
- 6-7 Weathered laminated dolomitic siltstone.
- 7 Box
- 7-36 Black laminated carbonaceous dolomitic siltstone.
- 34-42 Grey laminated dolomitic siltstone.
- 42-48 Interbedded black laminated carbonaceous dolomitic siltstone and grey laminated dolomitic siltstone.
- 48-51 Grey laminated dolomitic siltstone.
- 51-102 Black laminated carbonaceous dolomitic siltstone.
- 102-108 Proterozoic Teeran Dolomitic.
- 102-106 Prink dololutite.
- 106 WT
- 106-108 Prink dololutite.

EOH

Sampled 0-108 m

CARPENTAR\REP\BJ.PAF\DW

APPENDIX 11

Statements of Expenditure

STATEMENT OF EXPENDITURE

EXPLORATION LICENCE 7266

Diamond Exploration - Relinquishment Report

For the period
24th May, 1991 to 23rd May, 1995

Geoscientist/Professional	3,547
Field Support/Office Staff	1,798
Other Contractors	24
Travel/Accommodation/Meals	36
Field Supplies	6
Equipment Hire	29
Vehicles	1,229
Freight/Storage	18
Helicopter Charter	1,793
Fixed Wing Air Charter	998
Laboratory	236
Drafting	123
Sub-Total	9,837
10% Overheads	983
Total:	\$ 10,820

STATEMENT OF EXPENDITURE

EXPLORATION LICENCE 7300

For the period
24th May, 1991 to 23rd May, 1995

Geoscientist/Professional	14,698
Field Support/Office Staff	8,314
Other Contractors	1,739
Travel/Accommodation/Meals	507
Field Supplies	1,678
Equipment Hire	229
Vehicles	3,382
Freight/Storage	1,310
Helicopter Charter	1,719
Air Charter	2,993
Geophysics	34,309
Surveys	348
Geochemistry	3,404
Laboratory	3,010
Library	39
Drafting/Office Expenses/Computing	2,132
Other	148
Sub-Total	79,959
10% Overheads	7,995
Total:	\$ 87,954

STATEMENT OF EXPENDITURE

EXPLORATION LICENCE 7301

Diamond Exploration - Relinquishment Report

For the period
24th May, 1991 to 23rd May, 1995

Geoscientist/Professional	5,420
Field Support/Office Staff	1,494
Other Contractors	95
Travel/Accommodation/Meals	237
Field Supplies	191
Vehicles	890
Helicopter Charter	437
Air Charter	1,168
Laboratory	1,176
Drafting	153
Sub-Total	11,261
10% Overheads	1,126
Total:	\$ 12,387

STATEMENT OF EXPENDITURE

EXPLORATION LICENCE 7266

Base Metal Exploration - Final Report

For the period
24th May, 1991 to 23rd May, 1995

Wages and Salaries		14,294
Field Support		4,562
Vehicles		1,857
Equipment		645
Aircraft Charter		8,058
Geochemistry		741
Geophysics		13,879
Surveys		23
Office Expenses		1,046
Other		167
Computer Expenses		514
Consultants		343
Inhouse Services:	Geophysics	1,133
	Drafting	1,840
Sub-Total		49,102
15% Overheads		7,365
Total:		\$ 56,467

STATEMENT OF EXPENDITURE

EXPLORATION LICENCE 7301

Base Metal Exploration - Final Report

For the period
24th May, 1991 to 23rd May, 1995

Wages and Salaries		23,379
Field Support		7,774
Drilling		6,666
Vehicles		3,984
Equipment		4,529
Aircraft Charter		5,007
Geochemistry		3,798
Geophysics		17,352
Surveys		936
Office Expenses		1,060
Other		481
Computer Expenses		511
Consultants		481
Inhouse Services:	Geophysics	3,193
	Drafting	920
Sub-Total		80,071
15% Overheads		12,011
Total:		<u>\$ 92,082</u>