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ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED

West Coast Mines

EXPLORATION LICENCE NO. 1/62 MT. BLACK

Progress Report on Exploration Activity
16th December, 1981 to 4th May, 1982

OPEN FILE

Geology Department
Report No. 148 MD

I.J. Mathison,
I.R. McDonald,
May, 1982.

82-1841.
(1 of 4)

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1. INTRODUCTION

This report covers work on Exploration Licence No. 1/62 by Electrolytic Zinc Company of Australasia Limited between 15th December, 1981 and 4th May, 1982.

The work was carried out on behalf of a Joint Venture between E.Z. and Getty Oil Development Co. Ltd., which was initiated in April, 1978. A description of the Licence and its history of tenure can be found in E.Z. Report No. 131 – "E.L. 1/62 Work Undertaken to 30th June, 1979".

2. PREVIOUS EXPLORATION

E.Z. Report No. 134 – "E.L. 1/62 Work Undertaken 30th June, 1979 to 30th June, 1980" – in addition to detailing all activities carried out during 1979/80, also contained a detailed reference to all previous exploration undertaken since the granting of the E.L.

E.Z. Report No. 142 – "Progress Report on Activity July, 1980 to June, 1981" and E.Z. Report No. 144 – "Progress Report on Activity 1st July, 1981 to 15th December, 1981" cover further exploration to the commencement of this report.

3. ABBREVIATIONS

Standard symbols and terminology used on geological plans and sections are detailed on Plate 1 of E.Z. Report No. 142 – "Progress Report on Activity July, 1980 to June, 1981".

4. EXPLORATION UNDERTAKEN 15.12.81 to 4.5.82 (Refer to Plan No. A2-504-0016)

4.1. Colebrook Hill

4.1.1. Work Completed

During the last six months, exploration on Colebrook Hill concentrated on the detailed investigation and closer definition of already detected anomalies and on the interpretation of existing data. A major aim of the programme was the building up of a better geological base to assist our understanding of the geophysical data already available.

Mine Mapping & Sampling:

On Colebrook Hill there are two main groups of old workings - the Colebrook Mine and the Olympic-Athenic Mine. The Colebrook Mine has been taken to include all the workings near the northern end of Colebrook Hill. These comprise 14 short adits, two small open cuts and scattered trenches and benches. The Olympic-Athenic group lie 1.5 to 2km south of the Colebrook Mine on a western spur of Colebrook Ridge. This group contains seven accessible adits. Where considered safe, the workings of both of these mines were mapped in detail. All cross cutting development and some drives were chip sampled at two metre intervals. A total of 1,022 metres of exposure were sampled.

Petrography:

Nine unweathered rock samples were collected from the Olympic-Athenic area and submitted for petrography. A similar collection is being selected from samples taken from the Colebrook Mine area.

Geophysics - E.I.P.:

Only a small amount of new field work was undertaken. Scintrex's IPR-11 was used to cover extensions of three lines across the conductive ground east of the Colebrook Ridge. A 40m dipole-dipole survey was nead to n = 6.

Existing I.P. chargeability and resistivity data from the 1981 IPR-8 dipole-dipole survey (a=60m) were averaged and contoured by Dr. J.R. Bishop of Mitre Geophysics.

9 samples of mine and ground water from Colebrook Hill were tested for pH and conductivity.

Geophysics - Ground Magnetometry:
Data from the 1981 Scintrex survey was plotted on 1:5,000 scale plans and contoured.

Geochemistry - Sn Anomalies:
Seven tin soil anomalies were outlined in the last report (E.Z. 144). Each of these was further investigated to permit classification. Techniques applied include close spaced 'C' horizon auger soil sampling, geological mapping and rock sampling, soil pitting and the sampling of bedrock exposed in old prospecting trenches.

4.1.2. Results Received

Colebrook Mine Geology: (see 1:1,000 plan "Colebrook Hill Interpreted Geology " & Appendix A "Colebrook Mine Mapping & Sampling")

For interpretation of the field mapping of Colebrook Mine the following rock groups have been defined:-

i) Axinite Rocks - this rock contains axinite. It ranges from dark grey hornfels with cross cutting axinite veinlets through massive dark green axinite actinolite skarn to thin banded light green-dark green or grey axinite-actinolite skarn. Calcite is a common accessory and sulphides normally comprise 3-5% of the rock but may make up to 50% in places. Sulphides are predominantly pyrrhotite with subordinate pyrite, arsenopyrite and pyrrhotite.

ii) Hornfels - this is a dark grey to black fine grained or medium grained rock that is extremely hard. It is recognised by its colour, hardness and conchoidal fracture. Frequently the original sedimentary origins is obvious in field exposures.

This rock does not include interbedded wackes and siltstones where the siltstones are baked but the wackes are not obviously altered.

iii) Colebrook Hill Turbidites - these are tuffaceous siltstones and volcanic wackes of the Crimson Creek Formation in which the effects of contact metamorphism or metasomatism are not obvious in the field.

iv) Serpentinite - this dark green to black rock is predominantly a serpentinised dunite. It normally contains 5-10% of magnetite either disseminated or in a network of veinlets. Quartz carbonate alteration or replacement of the ultramafics is common, especially along the margins.

v) Minor mafic intrusives - these include oxidised fine grained gabbroic and dolerite dykes. They are usually weathered to an iron-rich clay in which the shape of the primary feldspars is yet preserved.

vi) Limestone - this rock group has been defined because of its metallogenetic implications. In this area it does not seem to comprise a mappable unit. It ranges from medium grained actinolite marble to interbedded thin limestone and cherty siltstone. Exposures are so far limited to East Colebrook 1, East Colebrook 2 and the Summit Adit. Limestone has also been reported (Waller, 1902) from the drill hole from East Colebrook 2.

The inferred distribution of these rock groups is plotted on the accompanying plan. Here it should be mentioned that this interpretation is still in a preliminary phase. The structural data have not yet been examined in any detail. However the following comments may be made.

Intense hornfelsing is restricted to the summit of Colebrook Hill in a zone 500m long by 300m wide. Earlier reported petrography indicates this zone has reached the lower amphibole hornfels facies. Less intense partial baking and induration is widespread but patchy. Minor contact effects are reported from 1.5km north in the Pieman River and from the Olympic-Athenic Mine area 1.5km south.

The axinite rocks are best developed within the central hornfels zone. They form a series of north-south trending lenses which may be interconnected along a north-east trending band. Axinite occurrences extend in these lenses outside the central hornfels zone and are also seen in an area of low grade hornfelsing around the North Colebrook Mine.

Significant sulphide mineralisation is restricted to the main axinite units. There is insufficient data to allow the delineation of sulphide bodies.

<u>Colebrook Mine Sampling</u>: (See Sample Data Sheets & Maps - Appendix A)

<u>Sampling</u>:

All significant cross cutting development and some drives were sampled. Cross cuts were sampled by taking a series of chip samples over a two metre interval. As far as possible chips were of about the same size and were taken in a continuous line.

Very hard rock with few edges occassionally made modified sampling necessary. In areas of bad ground conditions either no samples were taken or a few random samples were collected.

<u>Sample Preparation & Analysis</u>: (see Appendix A for complete details)

The chip samples were dried and sent to Analabs (Tas.) for analysis. Sn and W were analysed using pressed powder XRF. Other elements were determined by A.A. S. techniques.

<u>Tin Results</u>:

The Colebrook Mine has a very high background level for tin. Most samples reported between 100 ppm and 1,000 ppm Sn with a maximum value of 1,100 ppm. The axinite rocks and other rocks near axinite rocks contained distinctly more tin than definite hornfels or unaltered sediment.

Tungsten Results:

Tungsten values were generally low with many below the limit of detection (10 ppm). However some zones reported anomalously high tungsten contents of 100 - 1,560 ppm. All samples with high tungsten content also contained anomalous tin. The converse does not hold. Many samples with significant tin contain little tungsten.

Copper Results:

Colebrook Mine was opened up as a copper mine. The results of 4m of 1.5% Cu in East Colebrook 2 and 18m of 1.2% Cu in East Colebrook 5 are only to be expected.

Olympic-Athenic Mine - Geology: (see 1:500 plan "Olympic-Athenic Mine Area Geology" and Appendix 8 "Olympic-Athenic Mine Mapping & Sampling")

The Olympic-Athenic group of old tin workings lie entirely within interbedded volcanic wackes and siltstones of the Crimson Creek Formation. The mine workings are between 50m and 300m east of the contact between the sediments and the serpentinised ultramafics. Most of the sediments strike almost north-south and dip steeply west. In the Olympic 1 level and 2 level an oxidised unit of thin banded limonitic clay has been intersected. The banding in this unit also strikes almost north south, but it dips at 50-60° east.

Mineralisation:

Tin mineralisation occurs in at least four lodes. These lodes have been named No. 1 Lode, No. 2 Lode, No. 3 Lode and the Athenic 2 Level Lode on the accompanying plan. The main production from the area, around seven tonnes of tin, came from the No. 2 Lode. This is a fissure lode striking 25° west of north and dipping east at 50 to 60°. The tin occurred as cassiterite grains in quartz-pyrite veins with minor chalcopyrite and arsenopyrite. This lode is reported to have been 50m long 20m deep and from 2cm to 50cm wide (Reid, 1927).

No. 1 Lode is inaccessible and has not been classified. There was no recorded production from this lode.

No. 3 Lode consists of a very thin but apparently persistent quartz-pyrite vein 5-10cm wide. In the Olympic 2 Level, this vein has intersected and mineralised the banded limonitic clay mentioned previously. In other places where this banded limonitic clay is exposed it is unmineralised.

The Athenic 2 Level Lode strikes almost north-west and dips almost vertically. It follows an irregularly fractured and oxidised zone in iron stained volcanogenic sediments. Tin mineralisation here is reported to have been associated with thin pyrite veinlets filling the fractures (Ward, 1911).

Petrography: (see Appendix C - C.M.S. 82/2/15)
Eight wackes from the Olympic-Athenic area were collected to check for metamorphic or metasomatic effects. These rocks appeared typical of Crimson Creek labile turbidites. Only minor contact metamorphic or metasomatic effects were observed. These were described as being of marginal granitic character. No zonation of alteration was detected.

Another fine grained sediment was collected close to the banded limonitic clay in Olympic 2 Level. The banding in the fine grained sediment was parallel to the east dipping banding. This rock was described as a slumped pelite or sericitic slate. Inconclusive sedimentary structures suggested a west facing.

Olympic-Athenic Mine Sampling: (see Appendix B)
Samples were prepared and analysed by the same method used for the Colebrook Mine samples.

Tin:
No. 1 Lode - not sampled.
No. 2 Lode - generally stoped out. Scattered samples range from 2m of 1.5% Sn in Olympic 2 Level (50-52m) to 14% Sn in vein samples. The 2m of 1.8% Sn intersected by Olympic 1 Level is a branch of this lode.

<u>No. 3 Lode</u> - In the banded limonitic clay of Olympic 2 Level, 6 metres averaging 1% Sn were sampled along the northern wall of a large stope.

However, lower values were obtained from the banded clay elsewhere in the stope and in Olympic 1 level. Vein samples from a limonite quartz vein along the back of the Olympic 2 Level south-east drive contained rich tin (possibly silicate phase) and high bismuth. A similar vein is located in the Athenic 1 Level.

<u>Athenic 2 Level Lode</u>

The sampling suggests that a zone 2-3m wide averaging close to 1% Sn persists over a strike length of at least 20m. If the band intersected by the north-south cross cut is a continuation of this lode, it would then have a strike length greater than 34m.

The only other tin values of significance were obtained from the Athenic 3B Level. Here 5 samples, each representing two metres, reported greater than 1,000 ppm Sn. Again these values are associated with thin quartz pyrite veins.

<u>Comparative Sn Assays</u>

Samples reporting >1,000 ppm Sn using an X.R.F. technique were re-analysed for Sn by A.A.S. using both ammonium iodide volatolisation and cold acid extraction. Discussions with Analabs indicate that the cold acid extracts the tin in sulphide minerals and the weathering products of sulphides, that ammonium iodide volatolisation extracts the sulphide tin plus most of the cassiterite tin and that X.R.F. detects total tin. Thus a comparison of the three results indicates the relative proportions of silicate phase tin, oxide phase tin and sulphide phase tin.

From the Olympic-Athenic Mine area only the thin vein of No. 3 Lode contains significant amounts of silicate phase tin. Only minor amounts of stannite are indicated.

Other Elements

Copper and arsenic values are generally closely related to high Sn values. In the Olympic 38 several high copper and arsenic values are not supported by high Sn.

Tungsten values are low in the Olympic-Athenic Mine area. Samples reported from <10 ppm to 90 ppm. Most of the higher W values are associated with high Sn values. Again the exception is the Olympic 38.

Geophysics - E.I.P.: (see Appendix D, Geophysics)

The results of the IPR-11 extensions over the Natone Creek Valley are presented in pseudo-section form. They indicate that the IPR-11 can produce readings at much lower current levels than the IPR-8.

Geophysics - E.I.P. Interpretation:

Results of the contouring of I.P. chargeability and resistivity are not yet available. They are expected soon.

Geophysics - Ground Magnetometry: (see Colebrook Hill Ground Magnetics, plan 1:5,000)

Results of 1981 ground magnetometry which were presented in profile form in Report 144 have been plotted and contoured. The most prominent feature is the ultramafic belt along the western edge of the grid.

Geophysics - Down Hole Sirotem: (see Appendix E)

Geophysics - Conductivity Measurements:

Results of nine water samples collected from Colebrook Hill are tabulated below. Even though some waters are quite acid, the conductivities are not high enough to explain the abnormal conductivity of the Colebrook Mine area.

Sample No.	Location	Comments	Electrical Conductivity µS/cm	pH
48292	E. Colebrook 5	Clean floor water	140	4.4
293	E. Colebrook 2	Running water from DDH	125	6.1
294	E. Colebrook 2	Dirty floor water	750	3.4
295	E. Colebrook 4	Active ground water	295	3.4
296	Olympic 3A	Water running from portals	125	6.1
297	Olympic 3B	Ground water	87	6.3
298	Spring near Athenic 3A	Running water	87	6.7
299	Athenic 3B	Active ground water	105	6.8
48300	North Colebrook	Clean floor water	97	5.1

Sn Anomaly Follow-up: (see 1:5,000 plan "Colebrook Hill Soil Geochemistry - Sn" and Appendix F - "Sn Anomalies and Soil Pits")

Sn Anomaly 1: This is a large soil anomaly with high tin values (50-720 ppm). It is located on the steep western flank of Colebrook Hill. Outcrop is not good. This anomaly was tested by further auger soil sampling and by soil pitting.

The soil sampling confirmed the high Sn in soils (see Soil Sampling Data Sheet - Anomaly 1).

The four soil pits dug showed that three out of four of the original soil sample auger holes had not reached bottom. Soils were up to 2.5m thick and contained rubble or scree layers well above bedrock. Nevertheless the soil pits indicated that soils deeper than 'A' horizon contained fairly uniform tin contents again indicating that the original auger samples were valid soil samples.

However comparison of soil values with bedrock values indicate considerable down slope soil movement. Some higher bedrock tin contents up slope and the fact that even the deepest soils contain anomalous tin suggest that some of the soil tin may be derived from between 40 and 80m up hill from the soil sample site.

Sn Anomaly 2: This anomaly consists of a narrow north east trending zone of fairly high Sn values. The same zone also outlines Cu and As soil anomalies. This trend starts at the spoil dump of some of the old Colebrook Mine workings and for part of the way down the north eastern slope it follows the creek draining the mine waters from these workings. Another possible cause of this anomaly is that it follows the inferred path of the aerial ropeway that hauled ore from Colebrook Mine to Colebrook Smelter. The anomaly was not tested further.

Sn Anomaly 3: This anomaly includes the Olympic-Athenic Mine workings and has consequently undergone much detailed work. A shallow pit was dug on line 5,370,900mN at 374,660mE to test a series of unexpectedly low Sn soil values. Results of the pitting suggest that the value reported from the early soil sampling was too low.

Sn Anomaly 4: This anomaly has been tested in the past by a group of long trenches. Bedrock exposed in these trenches was sampled over two metre intervals. In addition any possible mineralised veins noted while mapping the trenches were also sampled. Maximum values of 350 ppm Sn over 2m and 480 ppm Sn in a vein were reported.

Sn Anomaly 5: This anomaly occurs along the eastern margin of the Colebrook Hill Grid. It was examined late in the reporting period. A soil pit was dug to bedrock on the site of a soil sample reporting 250 ppm Sn but results have not yet been received. Three soil sample lines were extended eastwards across the anomaly. Two of these sampled deep glacial clays.

Sn Anomaly 6: Check and close spaced sampling over this narrow low level anomaly indicate that such anomalies may not be as significant as they appear on the map. New samples reported a maximum of 58 ppm Sn in soils and 115 ppm Sn in rock float.

Sn Anomaly 7: This again is a low level soil anomaly with a maximum soil value of 120 ppm. Geological grid mapping detected a large ironstone outcrop which had been tested long ago by a 30m shaft. No obvious mineralisation was found on the dump.

Additional soil sampling between lines failed to define the trend of the anomaly and only one of the twelve rock samples taken from the area reported detectable tin. This sample, however, reported 215 ppm Sn and 7,050 ppm chrome.

4.2. Natone - Central

4.2.1. Work Completed

A grid consisting of 20 east-west lines at 200m spacings was cut between the original 1km spaced grid, south of line 5,369,500mN and north of Moores Pimple. A total of 38.36km was cut and pegged at 20m slope corrected intervals. Origins for the grid were established by survey off the southern extension of the Colebrook Hill track, the Hercules Aerial Ropeway, the North-East Dundas Tram and the newly established track leading south from the tram towards Moores Pimple. Pickup surveys have been completed at the ends of some of these lines.

The grid has been surveyed by Scintrex MP-2 proton precession magnetometer at 10m intervals using Scintrex as contractors. The survey utilised the same base station as the previous Natone survey.

The grid has been soil sampled at 20m intervals. A total of 53.32km has been sampled including 14.96km from the previously cut 1km spaced grid.

In all cases 'C' horizon was attempted. The soil samples were sieved to 2mm (1/8") and the oversize retained for geological identification. The minus 2mm fraction was sent to Analabs, Burnie where the -80 mesh fraction was analysed for Cu, Pb, Zn, Ag, Fe, Mn, As, Sn and Cr by A.A.S. Dissolution techniques used were nitric/perchloric leach for Cu, Pb, Zn, Fe, Mn, Cr and Ag, vapour iodide sublimation for Sn.

A V.L.F. survey was commenced. To date 16.2km has been completed. Readings have been taken at 10m intervals along lines.

Geological mapping of the grid, by contract geologist, has commenced. To date 15km of line has been mapped. Examination of the soil sample chips is also being undertaken by the contract geologist.

4.2.2. <u>Results Received</u>

At the cut off for this report most of the work at Natone was in the preliminary stage.

<u>Geology</u>:

No results of the mapping are yet available.

<u>Geochemistry - Soil Samples</u>: (refer to Appendix K Natone Soil Sample Data Sheets)

About half the soil geochemistry results have been received. No attempt has been made to interpret the data until all the results are received. Results to date reveal several sporadic anomalies for most elements. Tin, however, is almost universally low. Most values report below the limit of detection.

Geophysics - Ground Magnetics: (Refer to Figure 1 and Appendix J - Ground Magnetics)

The following discussion is a preliminary appraisal only as the data are only recently to hand and exist in profile form only.

1. Perhaps the most significant feature of the ground magnetics is a broad, flat, circular high of ±300nT observed between lines 5,367,700mN and 5,366,300mN in the western part of E.L. 1/62. The anomaly is truncated on its eastern side by a sharp cut-off between line 5,367,700mN and 5,366,900mN, which is represented in some cases by shallow responses. The anomaly occurs over sediments which have yet to be mapped in detail.

2. Between lines 5,369,500mN and 5,368,100mN, west of the Colebrook Hill Track lie a series of high relief responses which are suggestive of outcropping ultramafics. They reach a maximum relief of +10,000nT on line 5,369,100mN, but decrease to the south and are not apparent at all on line 5,367,900mN.

3. A magnetic trend occurs along the Colebrook Hill Track between line 5,369,500mN and 5,368,700mN. The trend is complex and requires detailed interpretation.

4. A sharp 100-200nT response occurs on 3 lines between 5,365,100mN and 5,364,700mN at about 374,700mE. On the middle line this response is marked as an instrument malfunction, however its continuation along strike suggests that it is a real feature.

5. Two small low order anomalies occur on lines 5,365,300mN and 5,365,100mN and may be connected. They occur in an area of feldspar porphyry on the eastern side of the grid.

6. A single line response occurs on line 5,366,100mN at 374,800mE. The anomaly is broad with a relief of ±40nT.

Geophysics - V.L.F.:

No results are available in tabulated form from the V.L.F. as yet.

4.3. Natone - Dundas

This area comprises the southernmost portion of E.L. 1/62, lying south of Moores Pimple and west of the Dobsons Creek Grid.

4.3.1. Work Completed

The area was covered by a programme of creek mapping and stream sediment sample collection. Approximately 14km of creeks were mapped and 80 stream sediment samples were collected from an area of about 10 sq. km. The -80 mesh fraction was analysed by A.C.S. for Cu, Pb, Zn, Ag, Fe, Mn, As, Co and Cr by A.A.S. and for Sn and W by X.R.F. Two heavy mineral panned concentrate samples were collected and petrologically examined.

4.3.2. Results Received

Geology: (refer to plan No's AO-504-0124; -0172; -0173; -0174)

The creek mapping revealed a series of generally north-south striking rocks which appear to form a gradational sequence from acid tuffs in the east to interbedded siltstones and sandstones of volcanic provenance in the west. In the extreme west of the E.L. intrusive dolerite crops out over Mt. Dundas. Dips, where observed, are mostly steep, but a pervasive steep to vertical cleavage, which sub-parallels the strike, obliterates most of the bedding trace. Facings observed from graded bedding and scours are almost all west facing. A doubtful graded bedding in sediments at 5,360,100mN; 374,820mE suggests an east dipping, east facing sequence. An east facing is recorded from graded bedding on line 5,366,500mN at 374,900mE. Local slump folding sould account for these, but they may indicate that the sediments are tightly folded along North-South axes, and that the pervasive cleavage is an axial plane cleavage.

The eastern volcanic sequences contain ashflow tuffs of probable sub-aerial origin. These grade westwards through increasingly bedded, sub-aqueous tuffs with interbedded lensoid sediment bands. This passes westwards into a predominantly interbedded siltstone, wacke and volcaniclastic sediment sequence contain some interbeds of coarser tuff units. Between about 5,363,500mN and 5,361,000mN the contact between the tuff-predominant and sediment-predominant sequences runs roughly north-south at about 375,150mE. South of 5,361,000mN this contact swings away to the east. West of about 375,000mE volcanic units are essentially absent, and the sequence comprises cleaved interbedded micaceous siltstones and wackes. Dolomite units, interbedded with siltstones and shale occur in White Spur Creek at 5,361,700mN; 374,700mE. Trace sphalerite was observed in carbonate veins in this unit. The only other mineralisation encountered was a quartz vein carrying coarse galena at 5,362,540mN; 374,760mE.

Heavy Mineral Concentrates: (refer to Appendix H)
Detailed descriptions of the two samples collected are given in the petrological report by Dr. B.J. Barron. Essentially both samples contain illmenite, chromite, magnetite and leucoxene as the oxide phases. Both samples contain prominant pyroxenes suggesting an ultrabasic source. No ultrabasics were encountered in the area mapped but several ultrabasic bodies are known in the near vicinity, especially west of Mt. Dundas. Possibly the thick scree which flanks the side of Mt. Dundas could mask outcrops of ultrabasics.

Geochemistry - Stream Sediments: (refer to plan No's AO-525-0210; -0202; -0203; -0205; -0206; -0207; -0208 and to Appendix G)
The 80 stream sediment samples collected fall into areas 1 and 2 as defined in E.Z. Report No.142. These areas lie south and north of White Spur Creek respectively. In area 1, 44 samples were collected, which, when added to the 27 samples collected along grid lines in 1981 (see E.Z. Report No. 142) define a new statistical population of 71 samples. The same mean ($\bar{x}$) and

standard deviation(s) were calculated omitting samples obviously anomalous or known to be contaminated. Also as before two populations were distinguished. Samples greater than $\bar{x}$ + 2S were considered anomalous. Samples greater than x + S were also considered significant as they could represent anomalous samples in a low background zone. These samples were also grouped to form a possibly anomalous group.

The new results for area 1 are shown in the table

	Pb	Zn	Cu	As	Sn
n	68	70	71	71	71
$\bar{x}$	61	53.9	21.7	24.9	<10
S	41.4	32.7	10.2	58.5	N.A.
$\bar{x}$ + S	102.4	86.6	31.9	73.4	N.A.
$\bar{x}$ + 2S	143.8	119.3	42.1	131.9	N.A.

The east flowing section of White Spur Creek at about 5,361,700mN between 374,600mE and 375,050mE is anomalous in Zn and weakly anomalous in Cu. The most westerly sample is also weakly anomalous in Pb. The south trending branch of this creek at about 374,400mE is weakly anomalous in Zn between about 5,361,000mN and 5,361,500mN. The headwaters of this creek contain some anomalous Pb and Zn values weakly anomalous Cu and As values. These come from very small creeks and probably do not represent an active stream load. The most anomalous sample No. 35786, also contains over 1% Mn suggesting scavenging.

The group of South-South-East flowing creeks in the south-east corner of the E.L. show some anomalous Pn and As values and one weakly anomalous Cu and one Zn value. This corner of the Licence is also characterised by high Mn values. All three anomalous Pb samples, which also make up two weakly anomalous As values and the weakly anomalous Zn value, contain over 1% Mn. The anomalous As sample contains 0.39% Mn. Scavenging is again indicated for these samples.

No Sn values reported above the limit of detection which was 10 ppm Sn.

The remaining 36 samples collected fall in area 2, which contained 239 samples from the 1981 sampling programme. (See E.Z. Report No. 142.) Recalculation of means and standard deviations caused no revision of the boundaries of anomalous and possibly anomalous groups. The values from E.Z. Report No. 142 are repeated in the table.

	Pb	Zn	Cu	As	Sn
Anomalous	600	460	90	185	50
Possibly Anomalous	345–600	290–460	65–90	115–185	10–50

None of the new samples were anomalous or possibly anomalous in any metal. Again no Sn values reported above the limit of detection at 10 ppm Sn. Only one sample, collected last season, within the present area of report is weakly anomalous. in Pb. 420 ppm Pb was reported from a sample collected approximately 80m down stream from the quartz vein carrying coarse galena reported in the Geology section above.

4.4. White Spur – Dobsons Creek

4.4.1. Work Completed

A diamond drill hole, DCP 235, was collared at 8,270S; 2,455E Dobsons Creek Grid, on a 322° true azimuth and -60° dip. The hole was completed at 161.6m. A down hole I.P. survey was attempted on the hole but failed due to the hole being blocked at 53m. Grind and split sampling of the core has commenced. The core was geologically logged.

4.4.2. Results Received (refer to Appendix I)

DCP 235 was collared in thin bedded siltstones and from 0-76m intersected an essentially sedimentary sequence of siltstones and wackes with interbedded thin tuff units. From 54-68m the siltstones are dominantly black and dark grey and contain up to 5% pyrite in the bedding planes. From 76-125m the hole intersected very fine grained vitric tuffs and medium to coarse grained lithic crystal tuffs. At 125m is a quartz veined fault zone. From 125-127m is a return to dark grey pyritic siltstones. From 127m to the end of the hole at 161.4m is a sequence of very strongly silicified tuffs showing a weak chloritisation towards the base of the hole. No geochemical results have been received yet, and petrological descriptions of five core samples sent to C.M.S. have also not yet been received.

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E.L. 1/62 - Mt. Black Joint Venture Project Review as at 15th December, 1981.
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APPENDIX A: Colebrook Mine Mapping & Sampling

Sampling Method

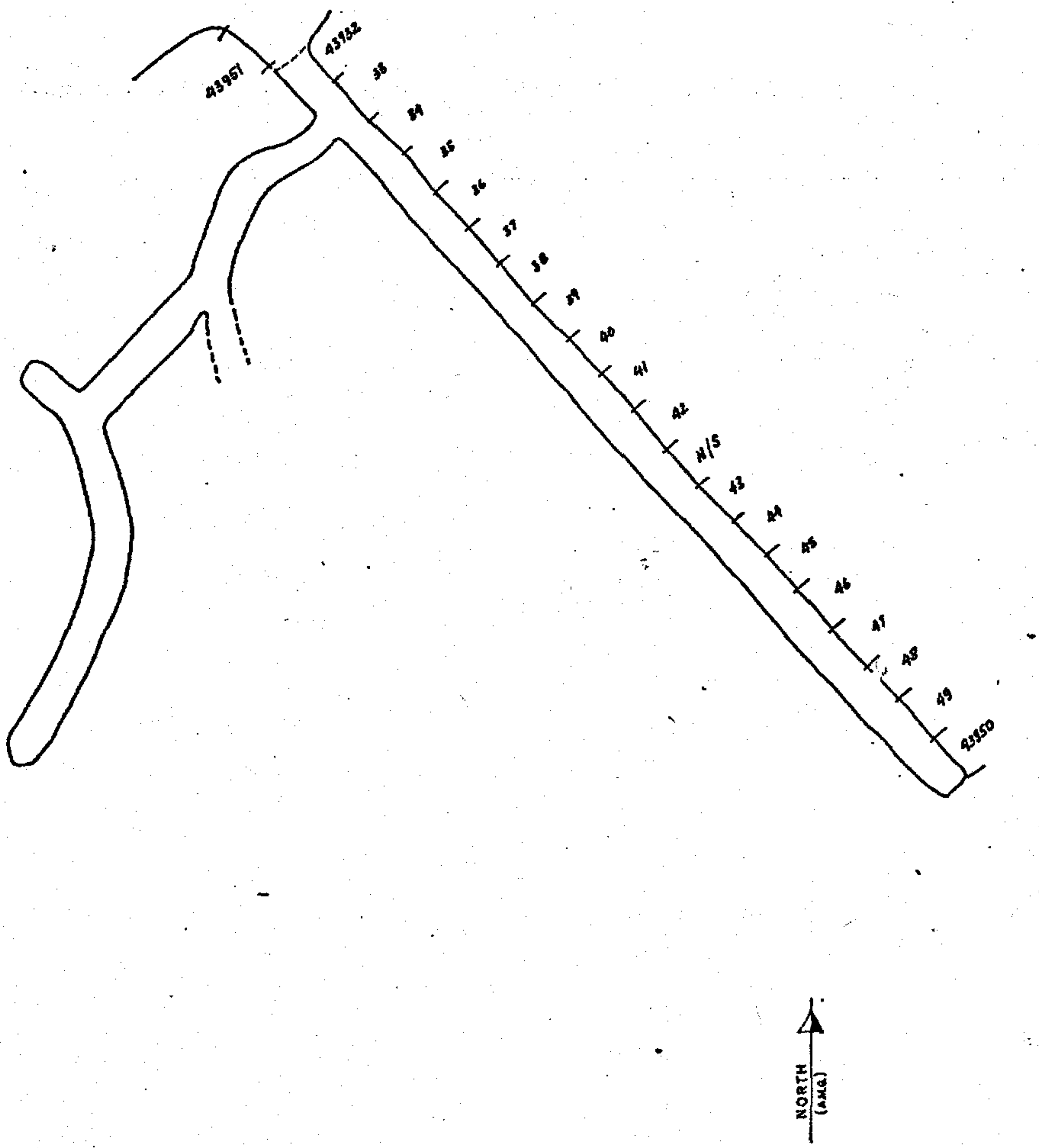
Cross cutting underground development trenches and open cut were chip sampled using a heavy hammer. Samples were collected in a line along the wall between paint marks 2m apart. Drives were sampled at 2m intervals along a line from waist high on one wall up the wall, across the back and down the other wall to waist high.

Sample Preparation & Analysis

Dried samples were sent to Analabs, Cooee, Tasmania, where they were crushed, split, then pulverised for analysis. Splits were retained. Sn and W were analysed by pressed powder X.R.F. (Analabs methods 401/402), Cu, Pb, Zn, Fe, Mn, Cr, Ag, Mo and Bi were analysed by A.A.S. (method 101/102) following nitric/perchloric digestion (108). As was analysed by A.A.S. method 114.

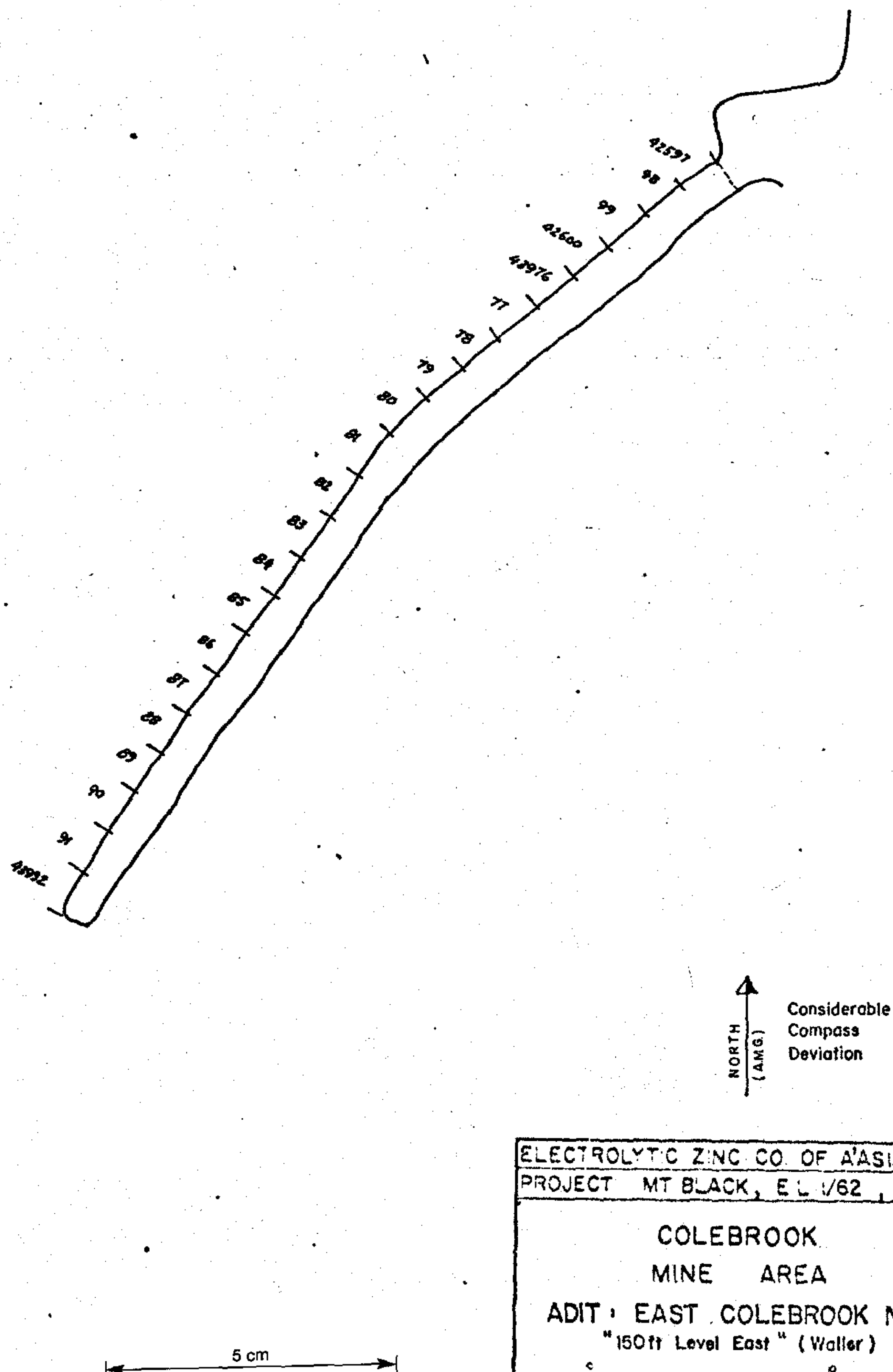
D of M | A.O. | C.G. | E.O. | D.S.M.E.
Registrar
Received / Answered 19 OCT 1982
E & IL
DEPT. OF MINES
REF. No. 8582/82

704025



ELECTROLYTIC ZINC CO. OF A'ASIA LTD	
PROJECT: MT BLACK, E.L. 1/62, TAS	
COLEBROOK MINE AREA	
ADIT: NORTH COLEBROOK	
Clifton Mine	
0 — 10 METRES	
Scale 1:250	Survey
Drawn	Date
Ref No	

704026

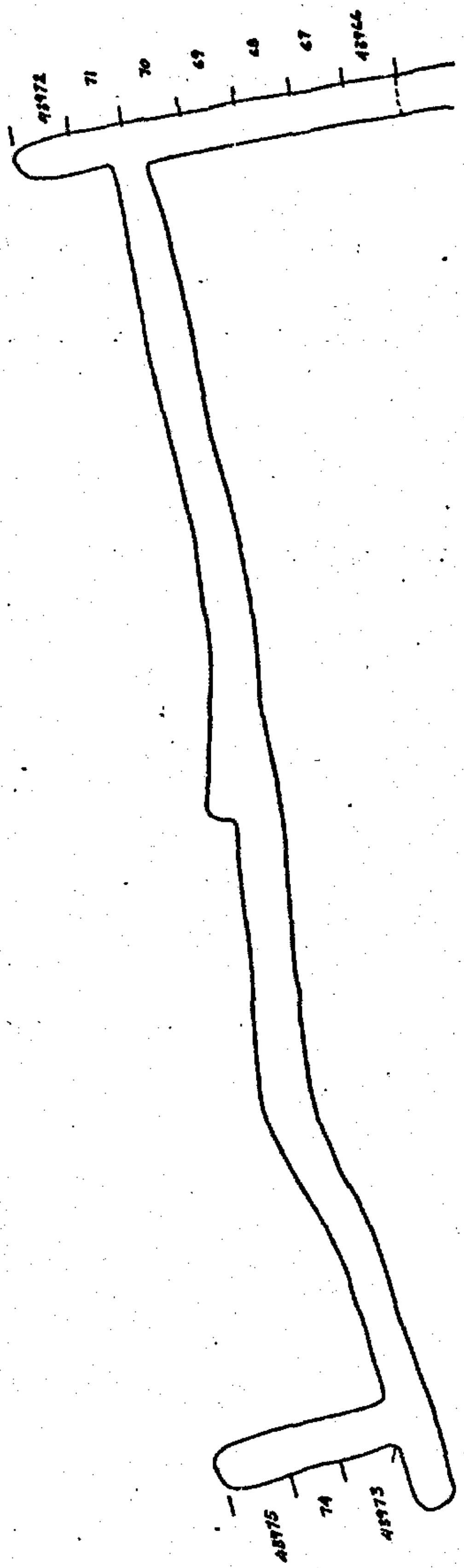


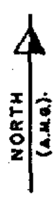
ELECTROLYTIC ZINC CO. OF A'ASIA LTD
PROJECT MT BLACK, E.L. 1/62, TAS.

COLEBROOK
MINE AREA
ADIT : EAST COLEBROOK NO. 1
"150ft Level East" (Waller)

Scale 1:250	Survey	I Moth	Ref No

704027

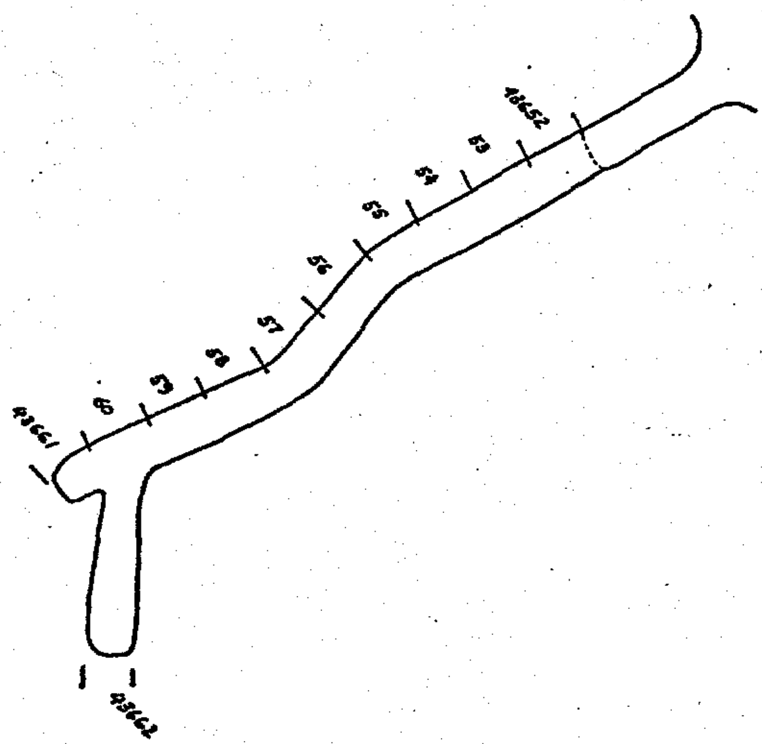


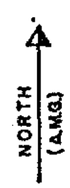


5 cm

ELECTROLYTIC ZINC CO OF A'ASIA LTD			
PROJECT: MT BLACK, E.L. 1/62, TAS.			
COLEBROOK MINE AREA			
ADIT: EAST COLEBROOK No. 2 "No. 1 Tunnel" (Waller) METRES			
Scale 1:250	Survey	Ref No	
Drawn	Date		

704028

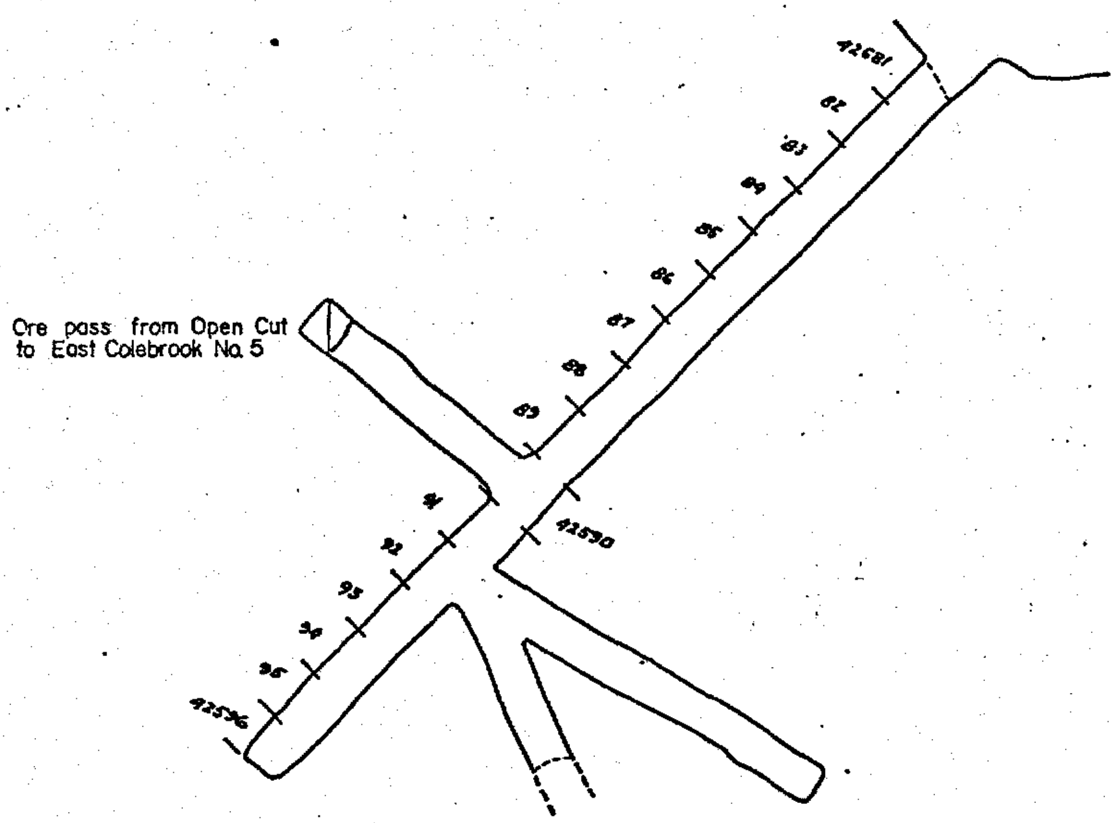




5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA LTD					
PROJECT: MT BLACK, E.L. 1/62, TAS.					
COLEBROOK MINE AREA ADIT: EAST COLEBROOK NO.3 "H Tunnel" (Waller) 0 10 METRES					
Scale	1:250	Survey	I. Math.	Ref. No	
Drawn	Niko	Date	14.5.'82		

704029



NORTH (A.M.G.)

Considerable Compass Deviation

5 cm

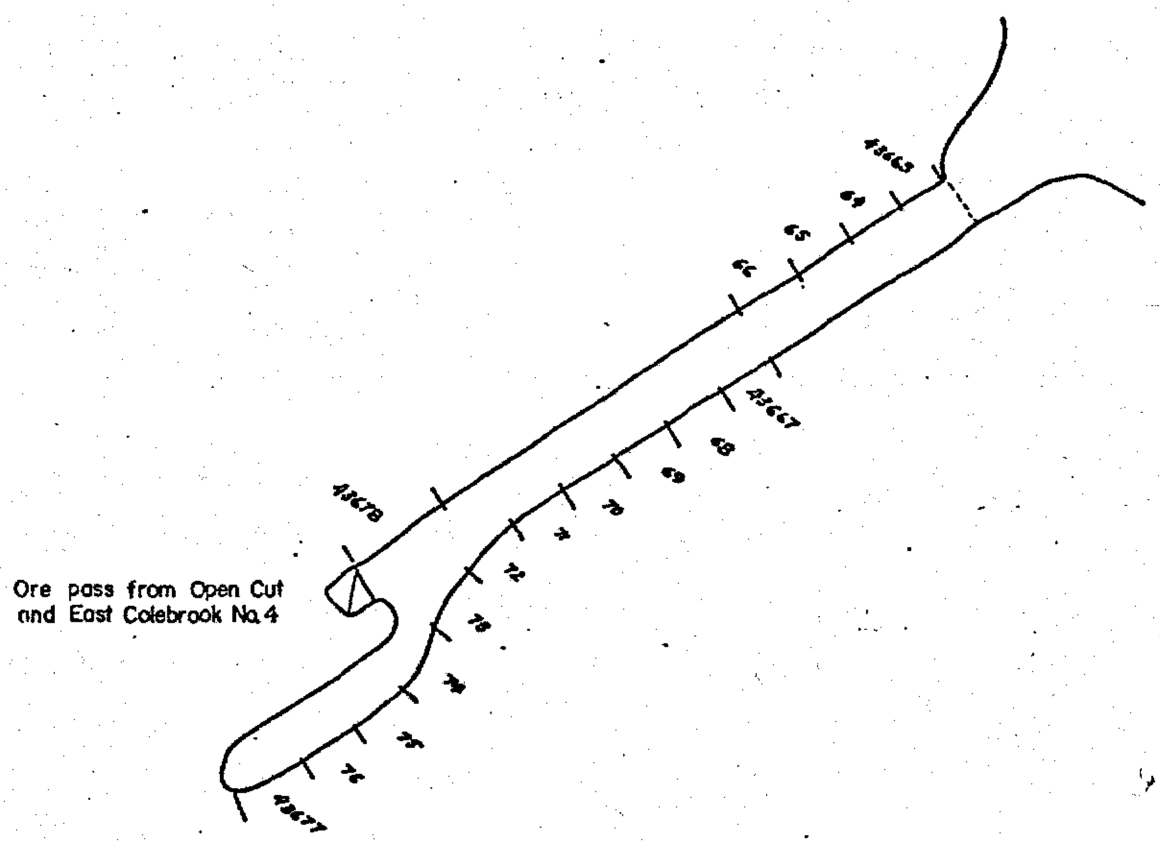
ELECTROLYTIC ZINC CO. OF A'ASIA LTD

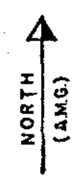
PROJECT: MT. BLACK, E.L. 1/62, TAS.

COLEBROOK
MINE AREA
ADIT: EAST COLEBROOK NO.4
"C Tunnel" (Waller)

0 — 10 METRES

Scale	1 : 250	Survey	I. Math.	Ref No
Drawn	Niko	Date	14.5.'82	





5 cm

ELECTROLYTIC ZINC CO OF A'ASIA LTD

PROJECT: MT. BLACK, E.L. 1/62, TAS.

COLEBROOK

MINE AREA

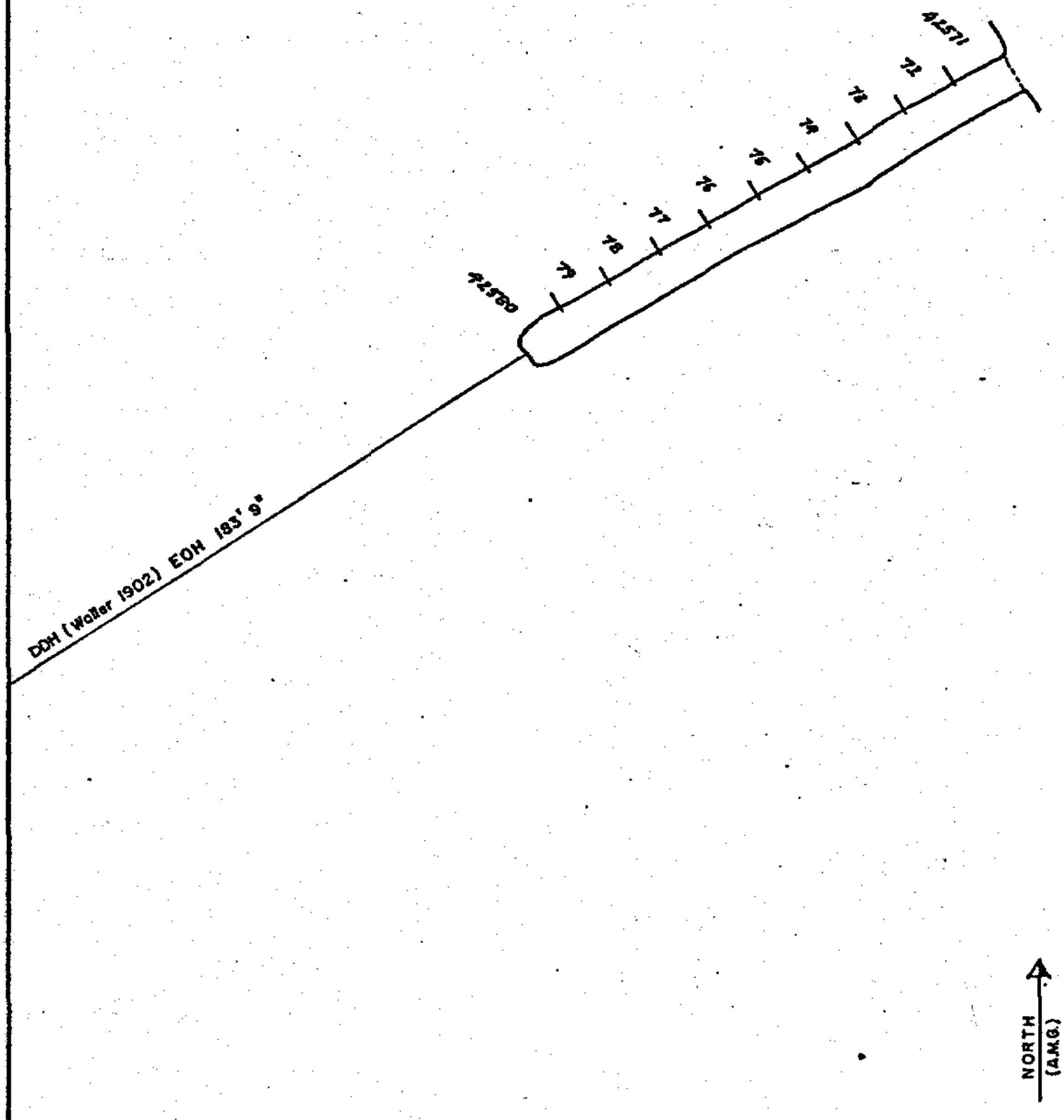
ADIT: EAST COLEBROOK NO.5

"C26 Adit" (Gregory)

0 10 METRES

Scale	1: 250	Survey	I. Math.	Ref No
Drawn	Niko	Date	14.5.'82	

704031



5 cm

ELECTROLYTIC ZINC CO OF A'ASIA LTD

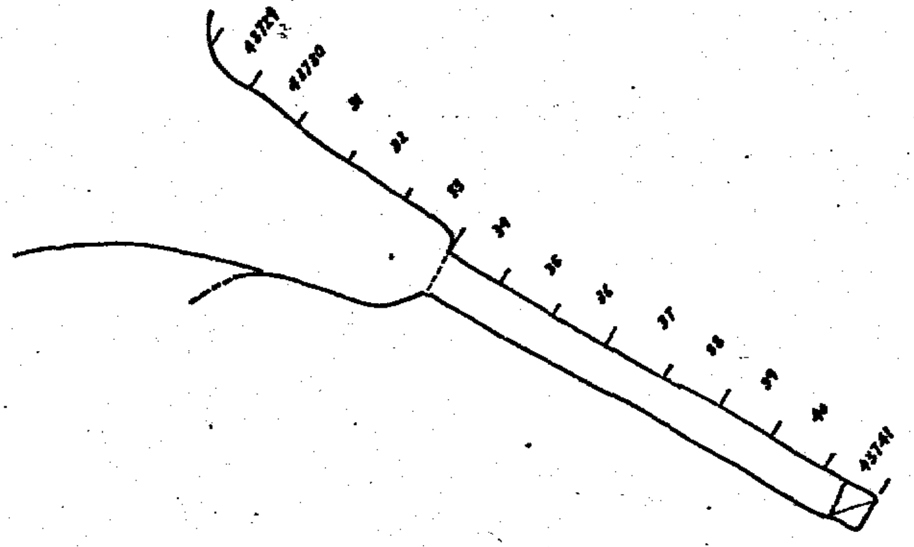
PROJECT: MT. BLACK, E.L. 1/62, TAS.

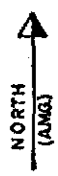
COLEBROOK
MINE AREA
ADIT: EAST COLEBROOK NO. 6
"No. 2 Adit" (Waller)

0 — 10 METRES

Scale	1 250	Survey	I. Math.	Ref No
Drawn	Niko	Date	14.5.'82	

704032





5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA LTD

PROJECT: MT. BLACK, E.L. 1/62, TAS.

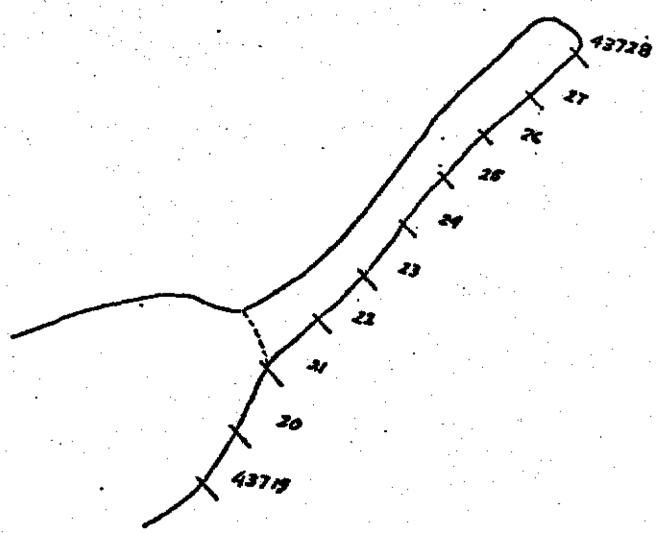
COLEBROOK
MINE AREA

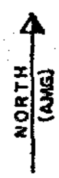
ADIT: WEST COLEBROOK NO. 1

0 10 METRES

Scale	1 : 250	Survey	I. Moth	Ref No
Drawn	Niko	Date	14.5.'82	

704033





5 cm

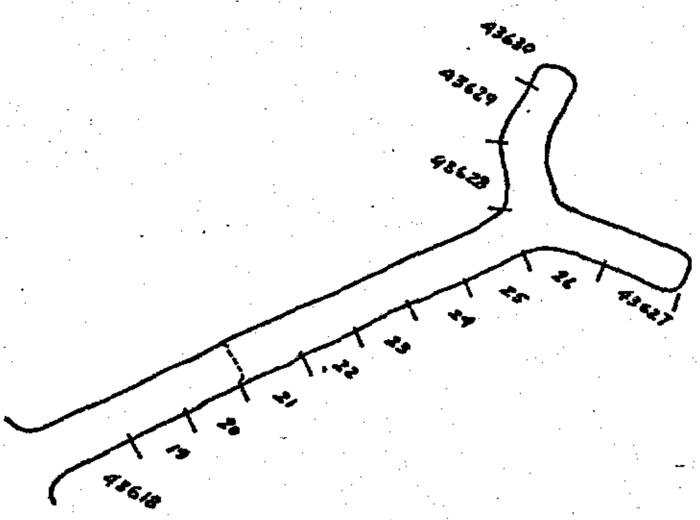
ELECTROLYTIC ZINC CO. OF A'ASIA LTD
PROJECT: MT BLACK, E.L. 1/62, TAS.

COLEBROOK
MINE AREA
ADIT: WEST COLEBROOK NO.2
"150 ft Level West" (Waller)

0 10 METRES

Scale	1:250	Survey	I. Math.	Ref No
Drawn	Niko	Date	14.5.'82	

704034



5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA LTD

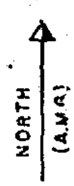
PROJECT MT BLACK, E.L. 1/62, TAS

COLEBROOK
MINE AREA

ADIT: WEST COLEBROOK No. 3
"M Tunnel" (Waller)

0 METRES

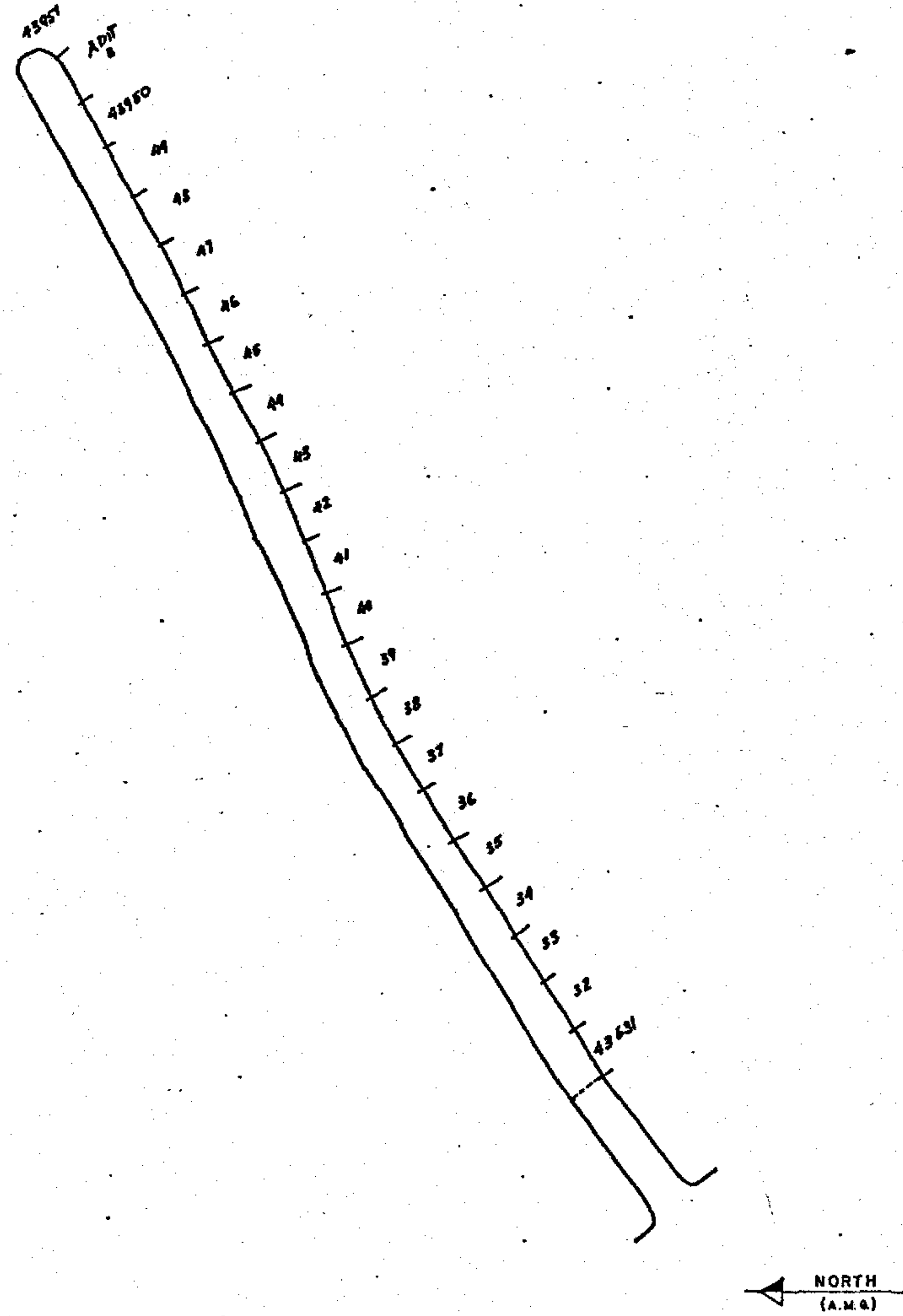
Scale 1 : 250	Survey	Ref No
Drawn	Date	



ELECTROLYTIC ZINC CO. OF A'ASIA LTD		
PROJECT: MT. BLACK, E.L. 1/62, TAS.		
COLEBROOK MINE AREA ADIT: WEST COLEBROOK NO. 4 "A Tunnel" (Waller) 0 — 10 METRES		
Scale 1:250	Survey I. Math	Ref No
Drawn Niko	Date 14.5.'82	

5 cm

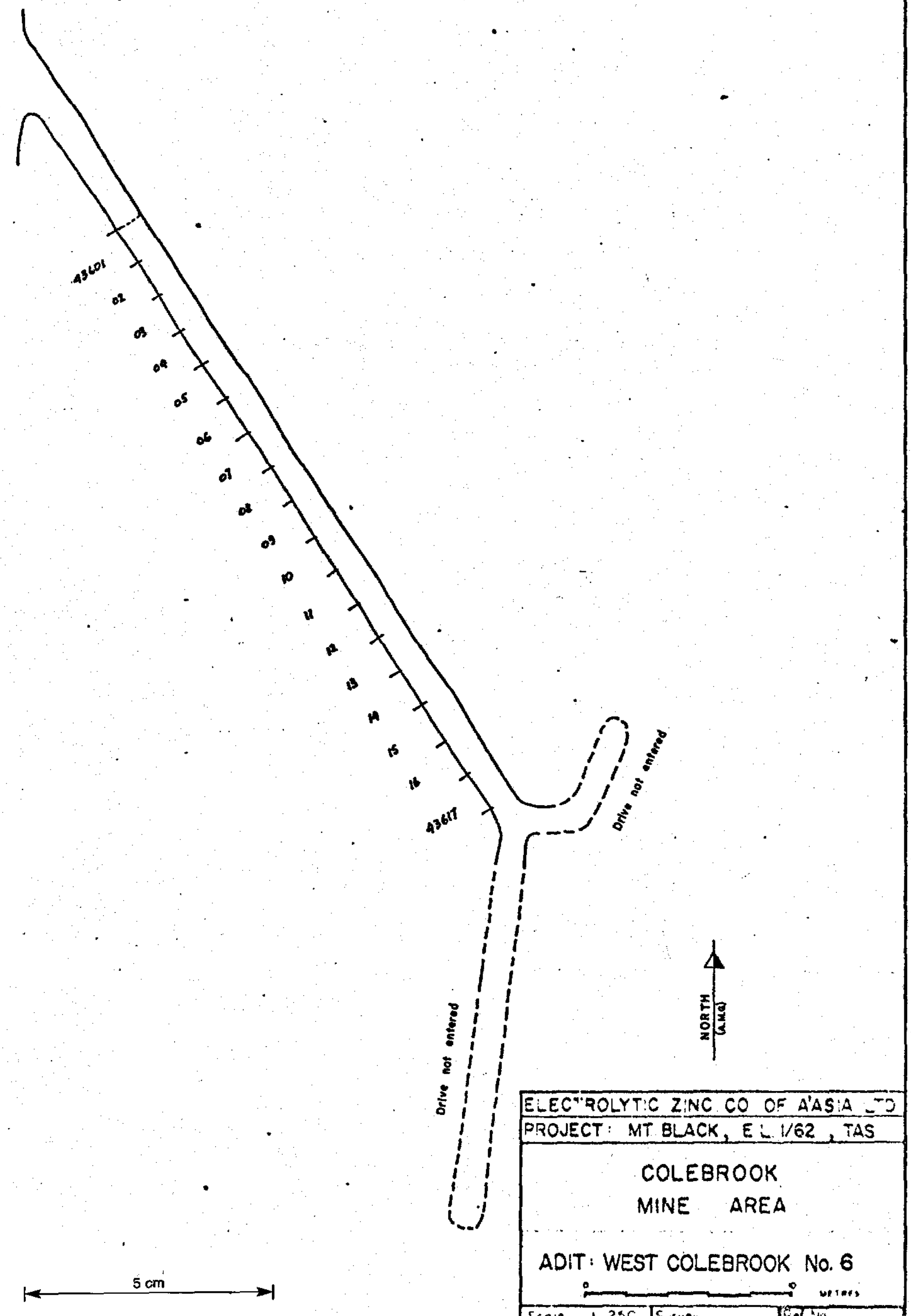
704036



5 cm

ELECTROLYTIC ZINC CO OF A'ASIA LTD	
PROJECT: MT BLACK, E.L. 1/62, TAS	
COLEBROOK MINE AREA	
ADIT: WEST COLEBROOK No. 5 "N Tunnel" (Waller)	
Scale 1:250	Survey
Drawn	Date
Ref No	

704037



ELECTROLYTIC ZINC CO OF A'ASIA LTD

PROJECT: MT BLACK, E.L. 1/62, TAS

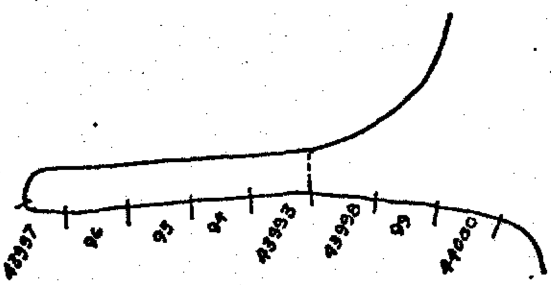
COLEBROOK
MINE AREA

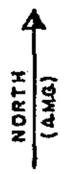
ADIT: WEST COLEBROOK No. 6

meters

Scale 1:250 | Survey | Ref No

704038

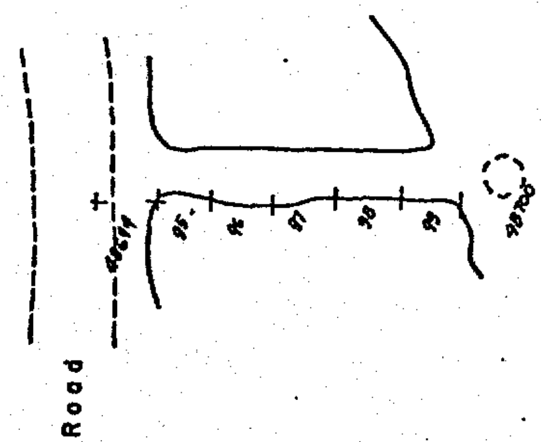


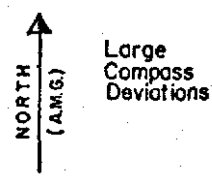


5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA LTD	
PROJECT: MT. BLACK, E.L. 1/62, TAS	
COLEBROOK MINE AREA	
SUMMIT ADIT	
0 — 10 METRES	
Scale 1:250	Survey I. Math.
Drawn Niko	Date 14.5.'82
Ref. No	

704039





ELECTROLYTIC ZINC CO. OF A'ASIA LTD

PROJECT: MT. BLACK, E.L. 1/62, TAS

COLEBROOK
MINE AREA

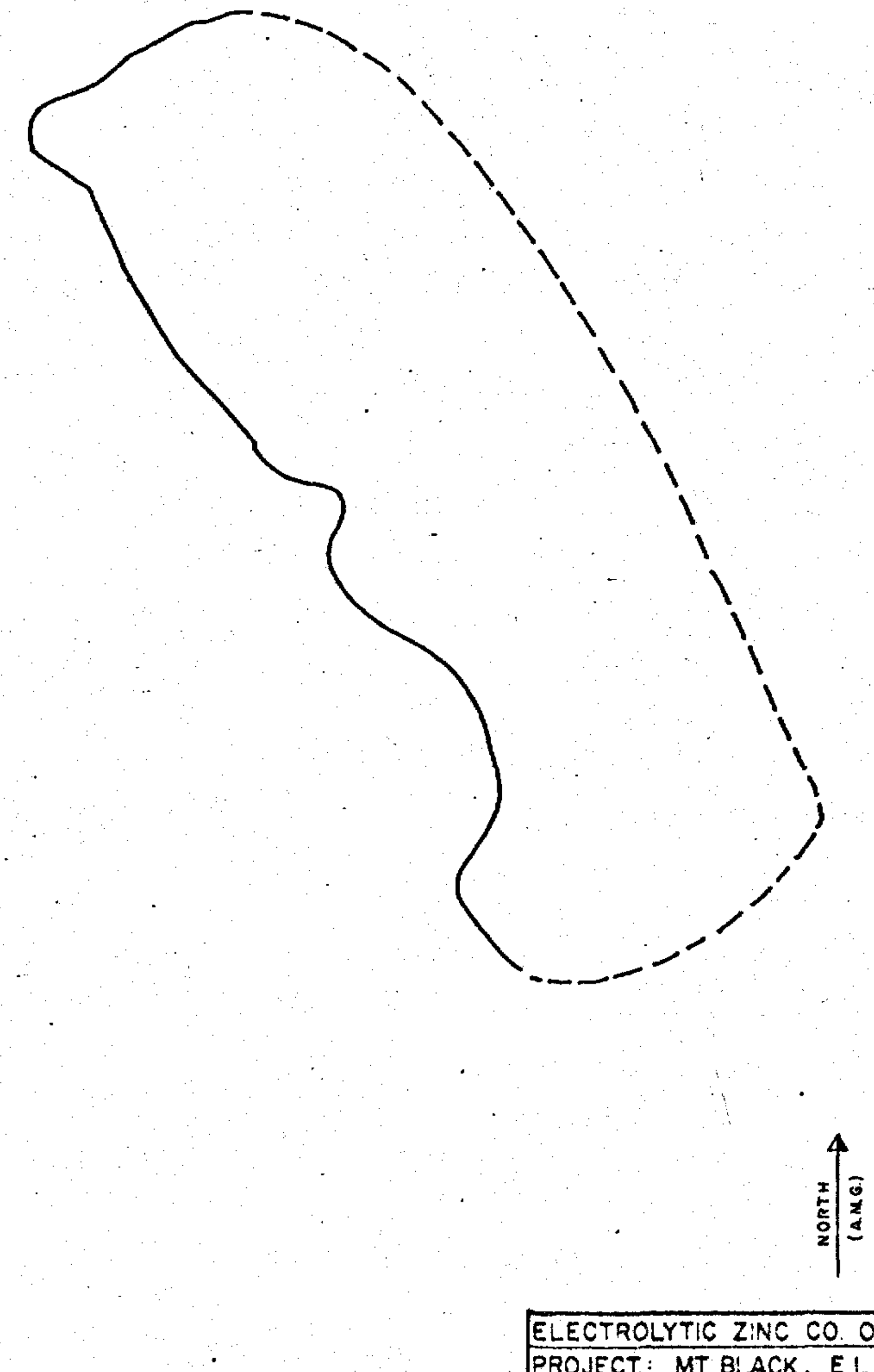
SUMMIT TRENCH

0 — 10 METRES

Scale	1: 250	Survey	I. Math.	Ref No
Drawn	Niko	Date	14.5.'82	

5 cm

704040



5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA LTD

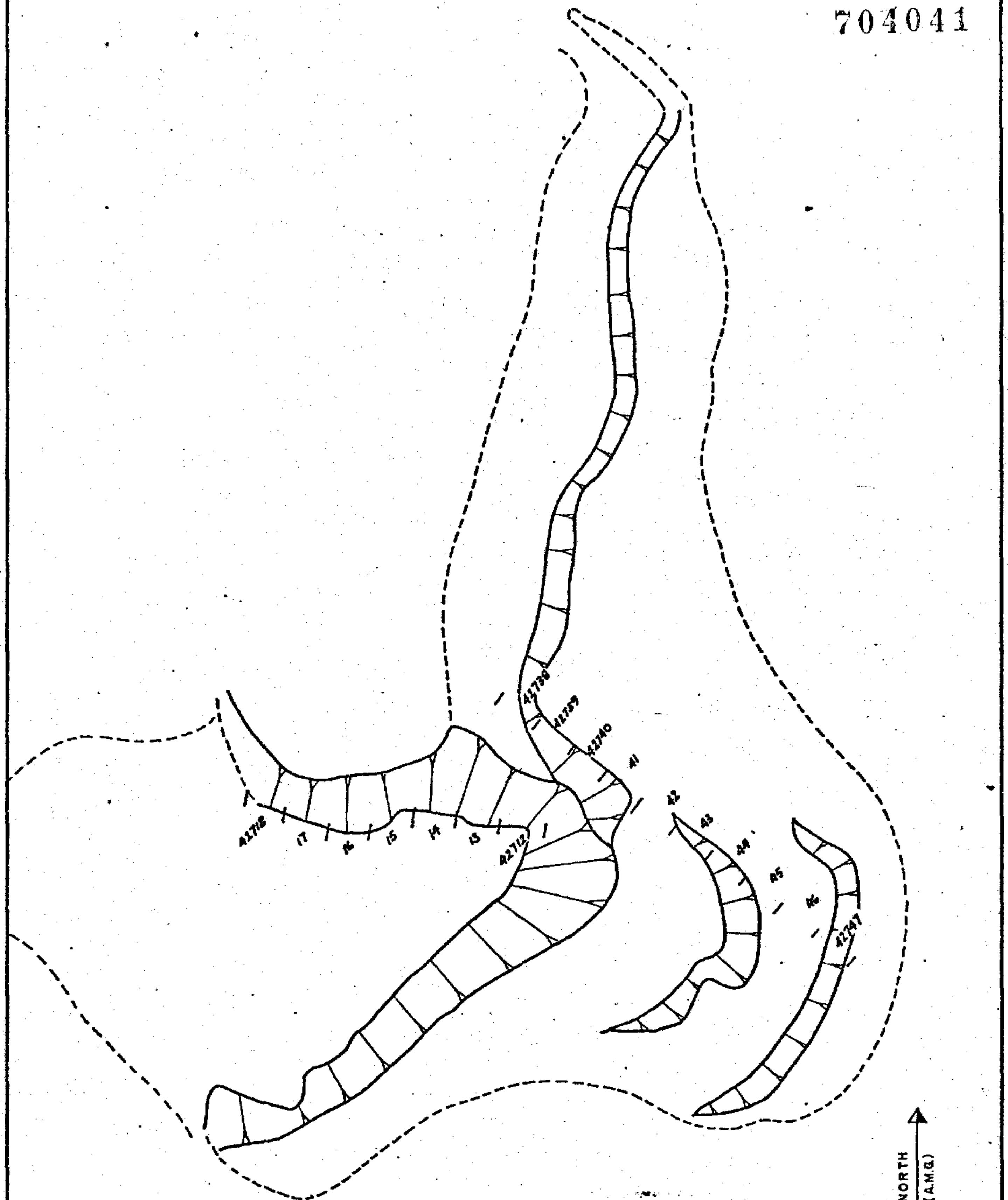
PROJECT: MT BLACK, E.L. 1/62, TAS

COLEBROOK
MINE AREA
EAST OPEN CUT
"D" Open Cut " (Waller)

0 — 10 METRES

Scale 1 250 Survey 1 Mat Ref No

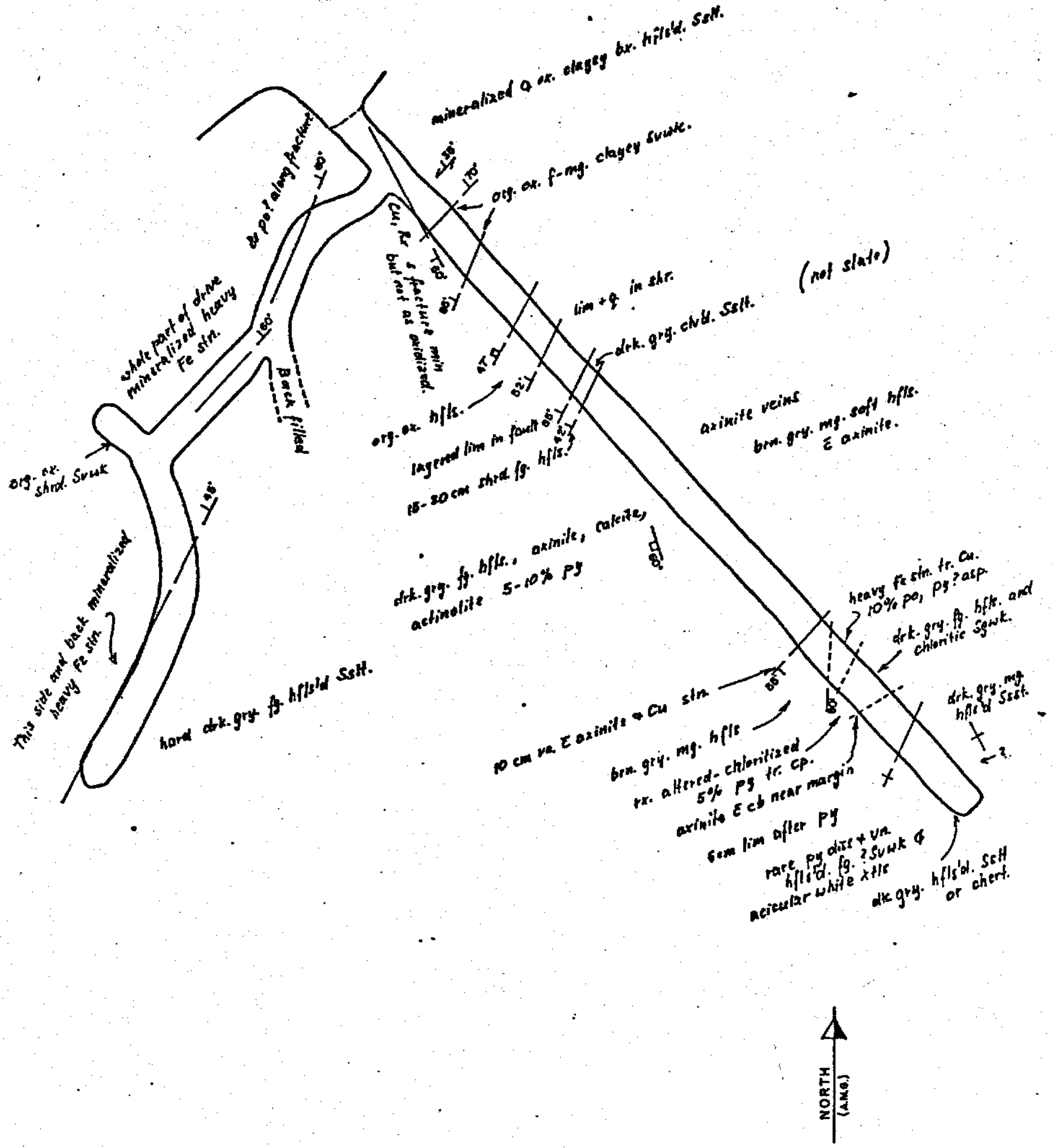
704041



ELECTROLYTIC ZINC CO OF A'ASIA LTD			
PROJECT: MT. BLACK, E.L. 1/62, TAS			
COLEBROOK MINE AREA			
WEST OPEN CUT			
Scale 1:250	Survey I. Math.	Ref. No	
Drawn Niko	Date 14.5.'82		

5 cm

704042



5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA LTD

PROJECT: MT. BLACK, E.L. 1/62, TAS.

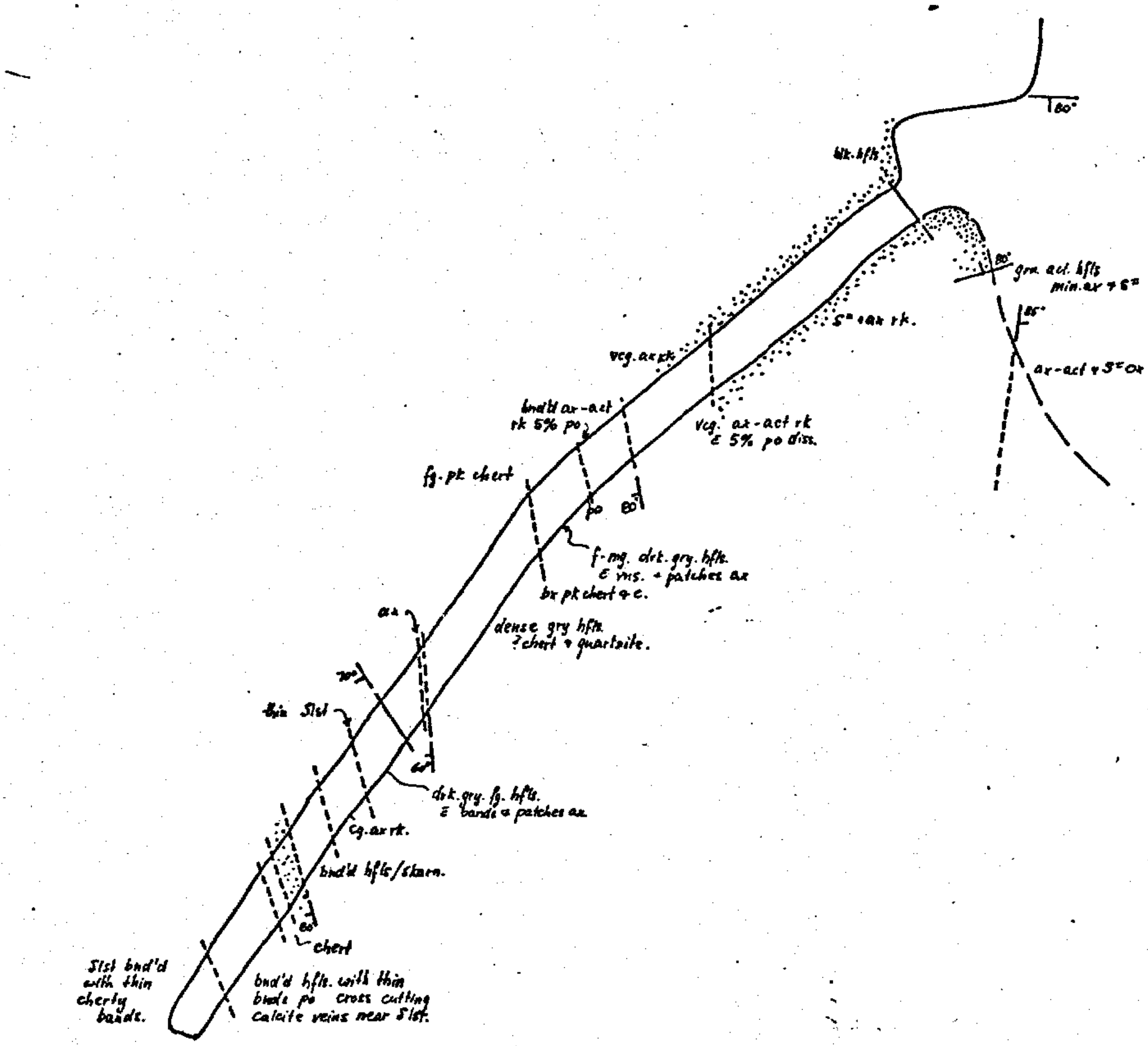
COLEBROOK MINE AREA

ADIT: Nth. COLEBROOK "Clifton Mine"

0 — 10 METRES

Scale	1:250	Survey	I. Moth.	Ref No
Drawn	Niko	Date	20.4.82	

704043



NORTH (A.M.G.)

Considerable
Compass
Deviation

5 cm

ELECTROLYTIC ZINC CO OF A'AS.A LTD

PROJECT MT BLACK, E L 1/62, TAS

COLEBROOK

MINE AREA

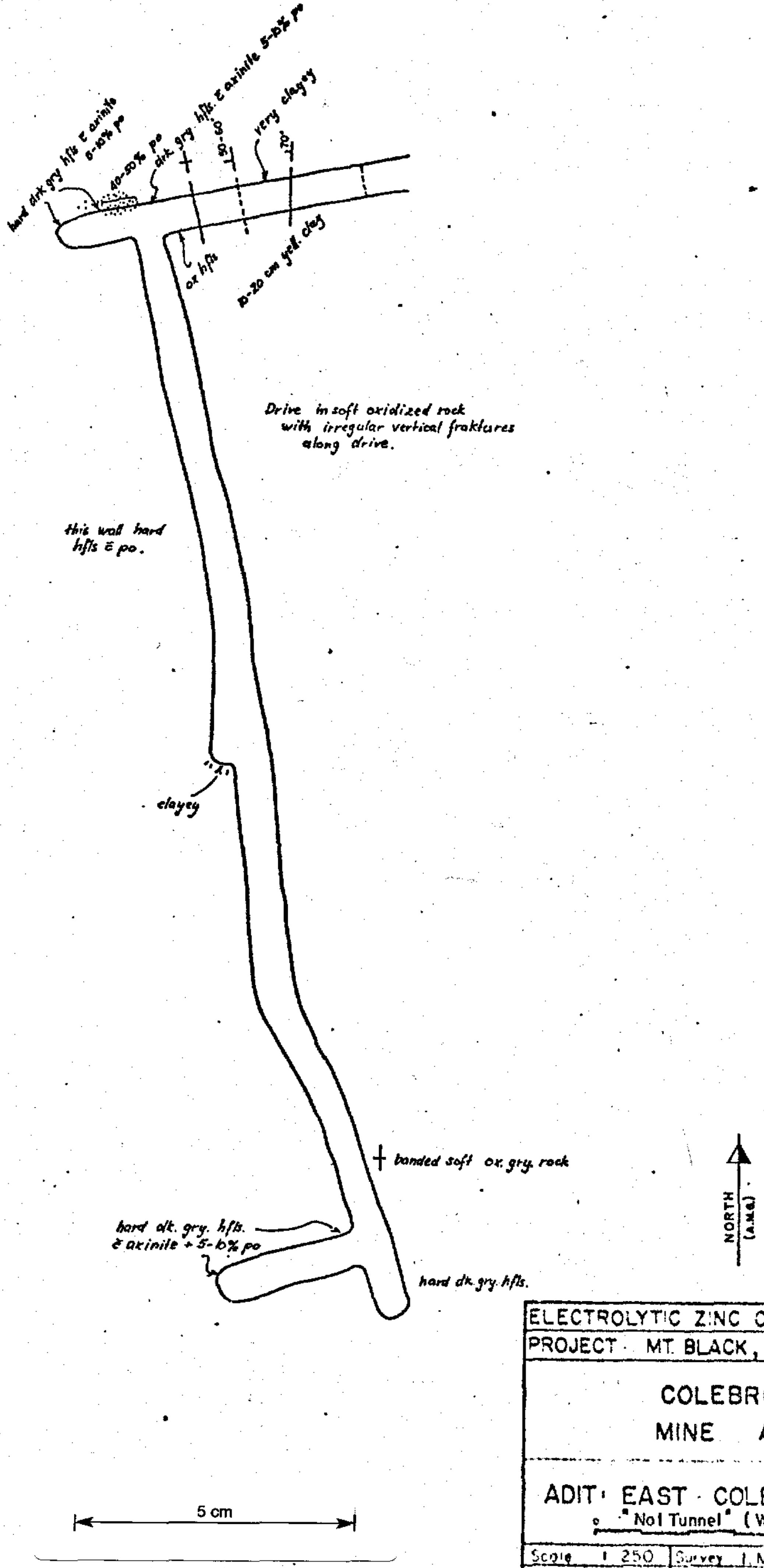
ADIT : EAST COLEBROOK NO. 1

"150 ft Level East" (Waller)

0 METRES

Scale	1 250	Survey	L Math.	Ref No.
Drawn	Niko	Date	14 5 '82	

704044



ELECTROLYTIC ZINC CO OF A'ASIA LTD

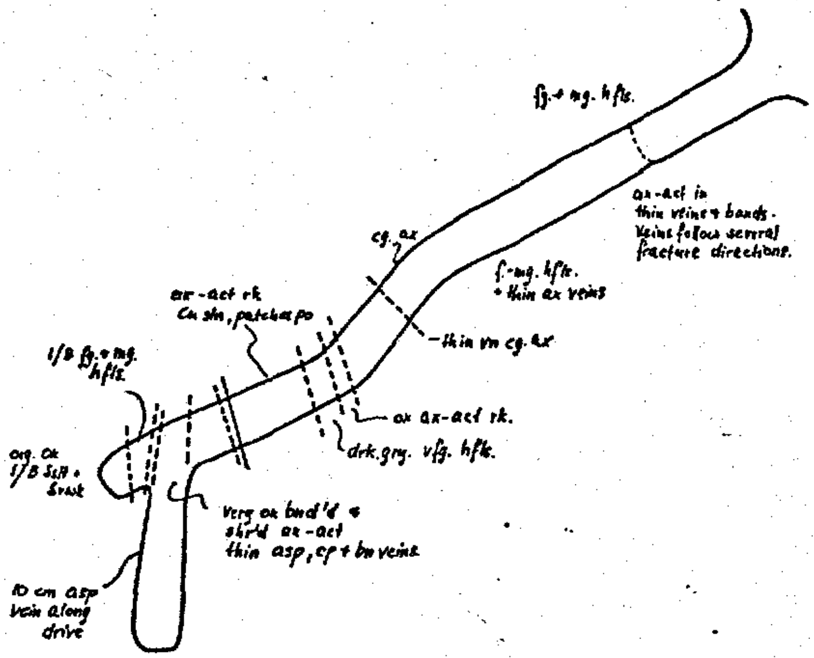
PROJECT · MT. BLACK, E.L. 1/62, TAS

COLEBROOK
MINE AREA

ADIT · EAST · COLEBROOK No. 2
"No1 Tunnel" (Waller)

Scale	1 : 250	Survey	I. Moth.	Ref. No.
Drawn	Niko	Date	21. 4. '82	

704045



NORTH
(A.M.G.)

5 cm

ELECTROLYTIC ZINC CO OF A'ASIA LTD

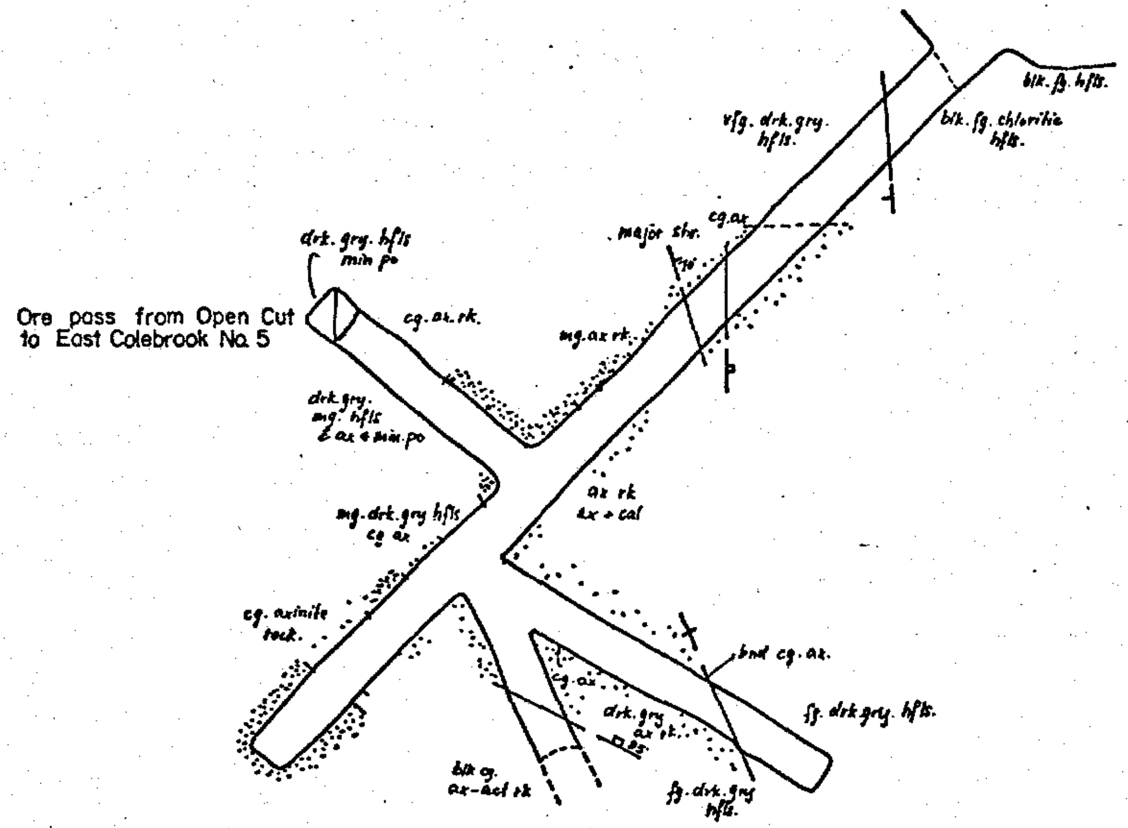
PROJECT MT BLACK, E L 1/62, TAS

COLEBROOK
MINE AREA
ADIT: EAST COLEBROOK NO.3
"H Tunnel" (Waller)

0 METRES

Scale	1 250	Survey	I. Math	Ref No
Drawn	Niko	Date	14 5 '82	

704046



Considerable Compass Deviation

NORTH (AMG)

(dots)	10 % - 20% Sulphide
(dense dots)	> 20% Sulphide
ax	axinite
act	actinolite
po, py, cp, asp.	Sulphides

5 cm

ELECTROLYTIC ZINC CO OF A'ASIA LTD

PROJECT MT BLACK, E.L. 1/62, TAS

COLEBROOK

MINE AREA

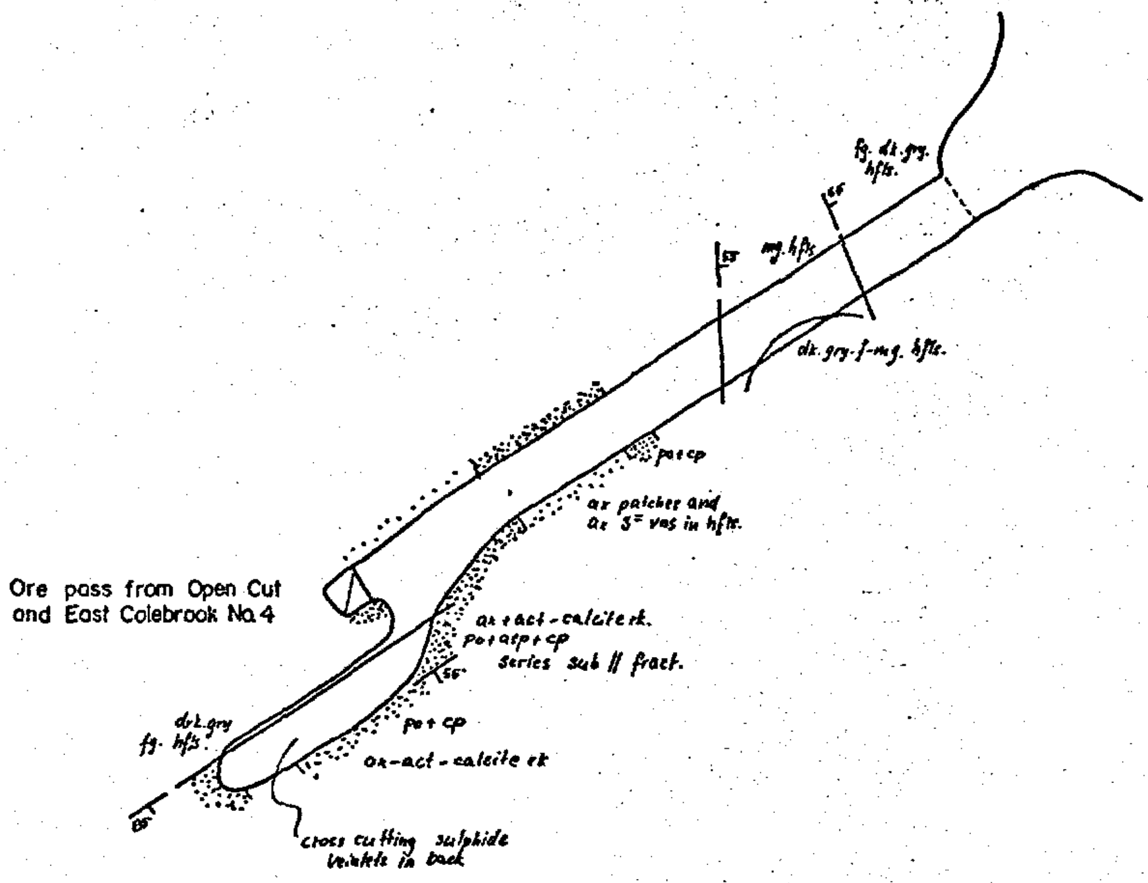
ADIT: EAST COLEBROOK NO. 4

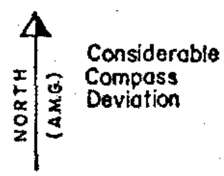
"C Tunnel" (Waller)

0 10 METRES

Scale	1:250	Survey	I. Math	Ref No
Drawn	Niko	Date	14.5.'82	

704047





5 cm

ELECTROLYTIC ZINC CO OF A'AS'A LTD

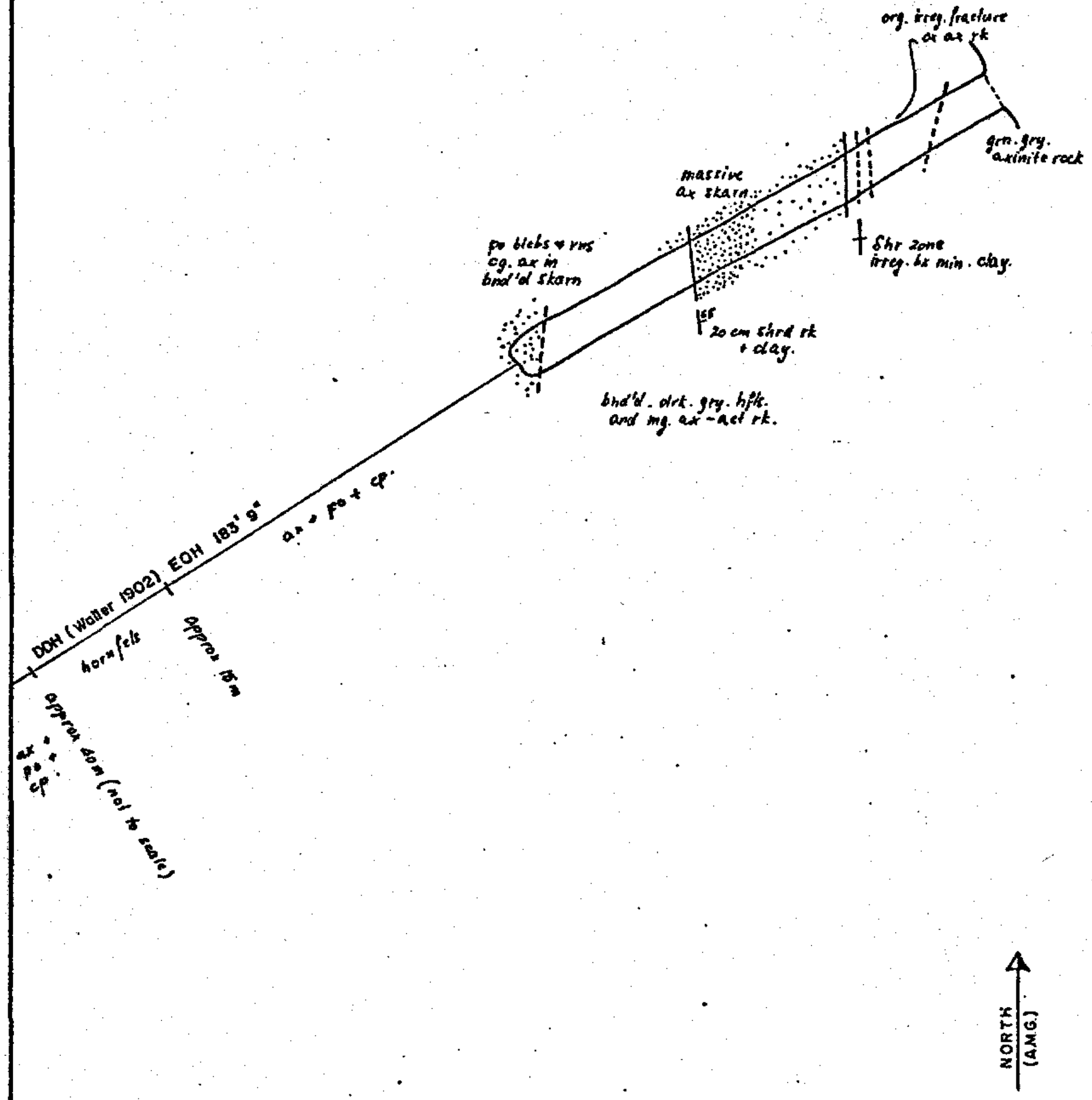
PROJECT: MT BLACK, E.L. 1/62, TAS

COLEBROOK
MINE AREA
ADIT: EAST COLEBROOK NO.5
"C26 Adit." (Gregory)

0 — 10 METRES

Scale	1 : 250	Survey	I. Math.	Ref. No.
Drawn	Niko	Date	14.5.'82	

704048



ELECTROLYTIC ZINC CO OF A'AS'A LTD

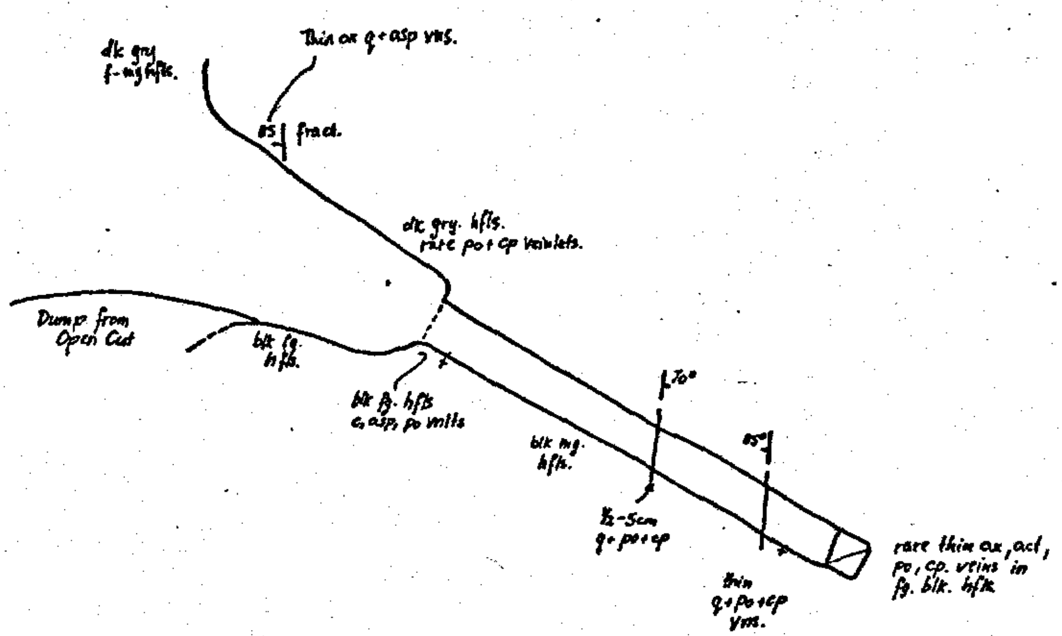
PROJECT MT BLACK, E L 1/62, TAS

COLEBROCK
MINE AREA
ADIT: EAST COLEBROOK NO. 6
"No. 2 Adit" (Waller)

METRES

Scale	1 250	Survey	I. Math.	Ref No
Drawn	Niko	Date	14 5 '82	

704049



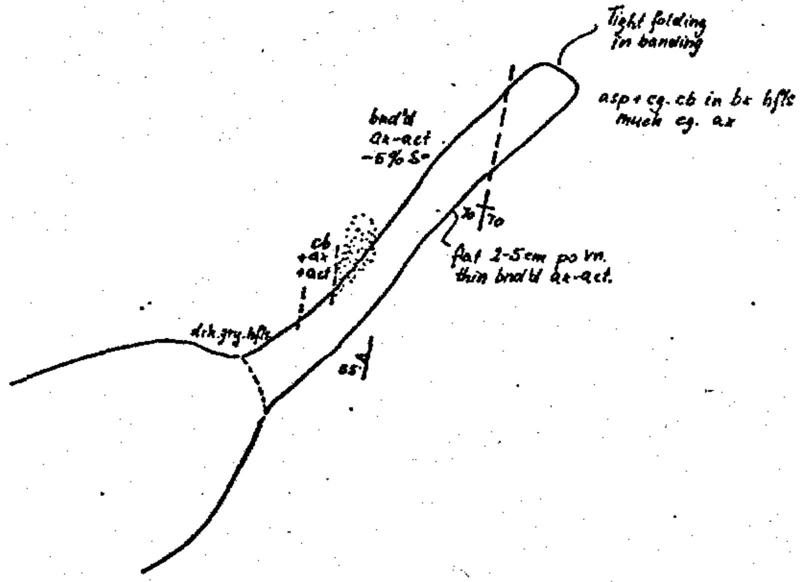
NORTH (AMG)

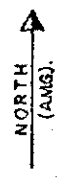
5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA LTD				
PROJECT: MT. BLACK, E.L. 1/62, TAS				
COLEBROOK MINE AREA				
ADIT: WEST COLEBROOK NO. 1				
Scale	1:250	Survey	I. Math	Ref. No.
Drawn	Niko	Date	14.5.'82	

0 — 10 METRES

704050



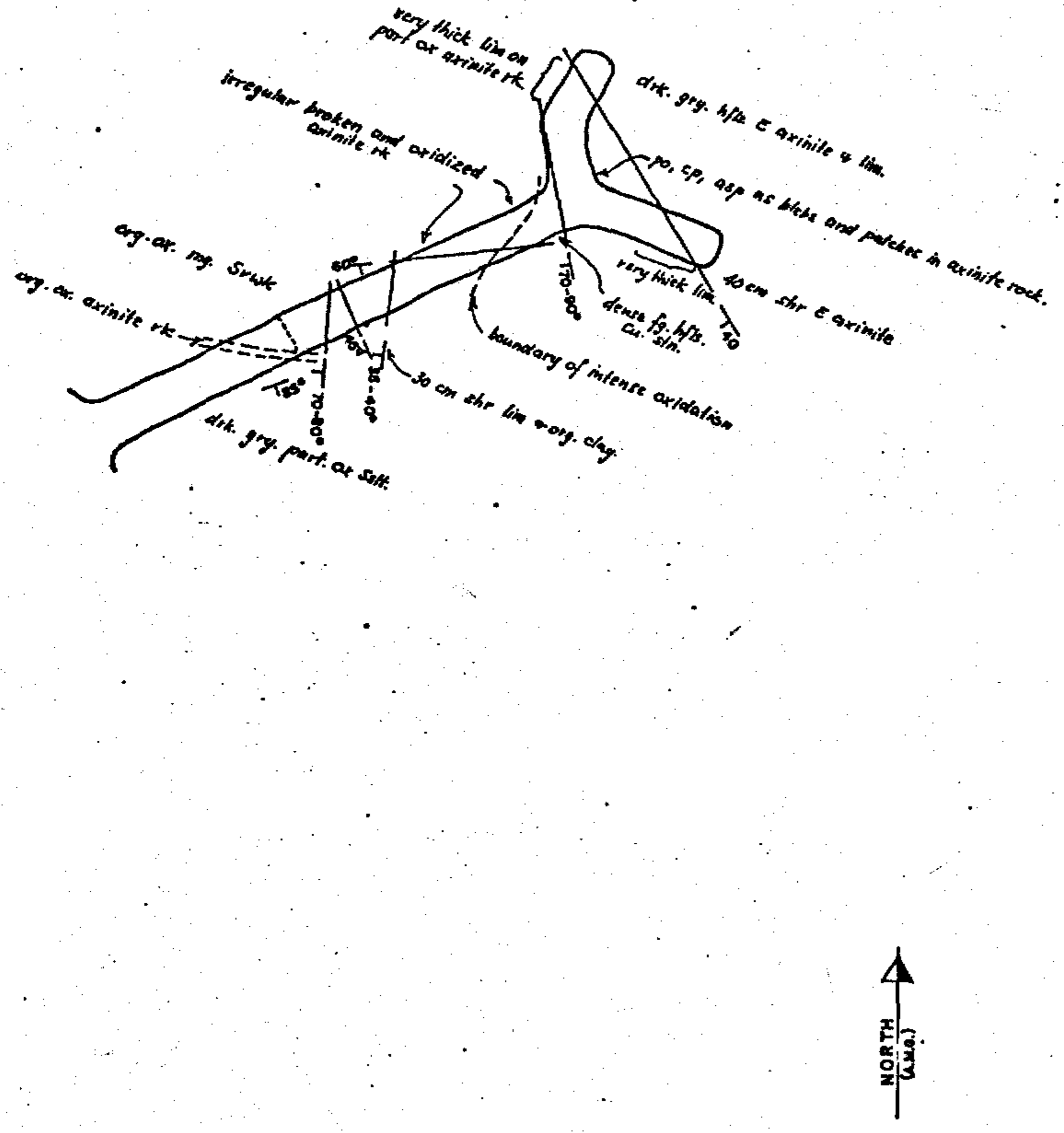


5 cm

ELECTROLYTIC ZINC CO OF A'ASIA LTD			
PROJECT MT BLACK, E L 1/62, TAS			
COLEBROOK MINE AREA ADIT WEST COLEBROOK NO. 2 "150 ft Level West" (Waller)			
Scale	1 250	Survey	I. Math.
Drawn	Niko	Date	14 5 '82

Ref No

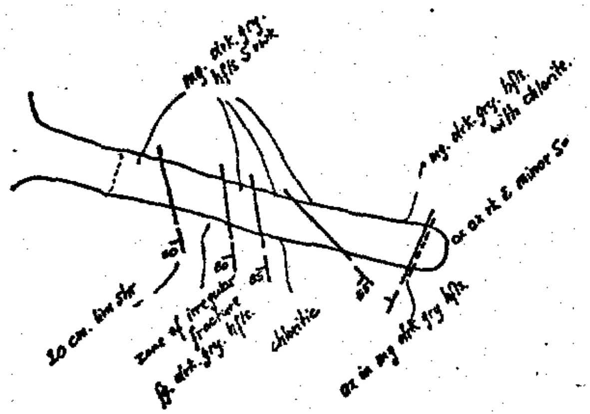
704051



5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA LTD			
PROJECT: MT BLACK, E.L. 1/62, TAS			
COLEBROOK MINE AREA			
ADIT: WEST COLEBROOK No. 3 "M Tunnel" (Waller)			
Scale	1:250	Survey	1. Moth.
Drawn	Niko	Date	21.4.'82

704052



NORTH (A.M.G.)

5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA LTD

PROJECT MT BLACK, E L 1/62, TAS

COLEBROOK

MINE AREA

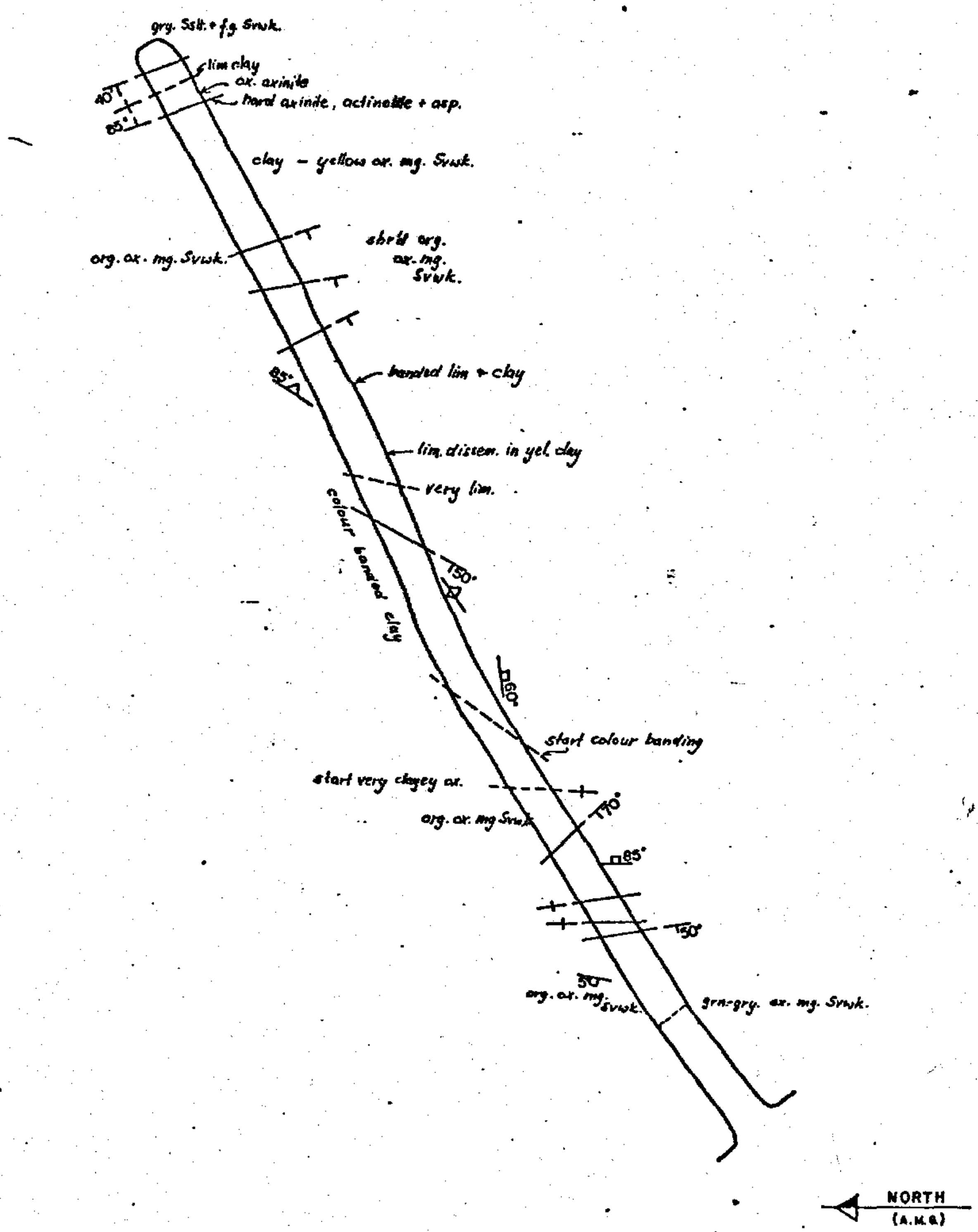
ADIT: WEST COLEBROOK NO. 4

"A Tunnel" (Waller)

0 METRES

Scale 1 250	Survey I. Math	Ref No	
Drawn Niko	Date 14.5.'82		

704053



5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA LTD

PROJECT: MT. BLACK, E.L. 1/62, TAS.

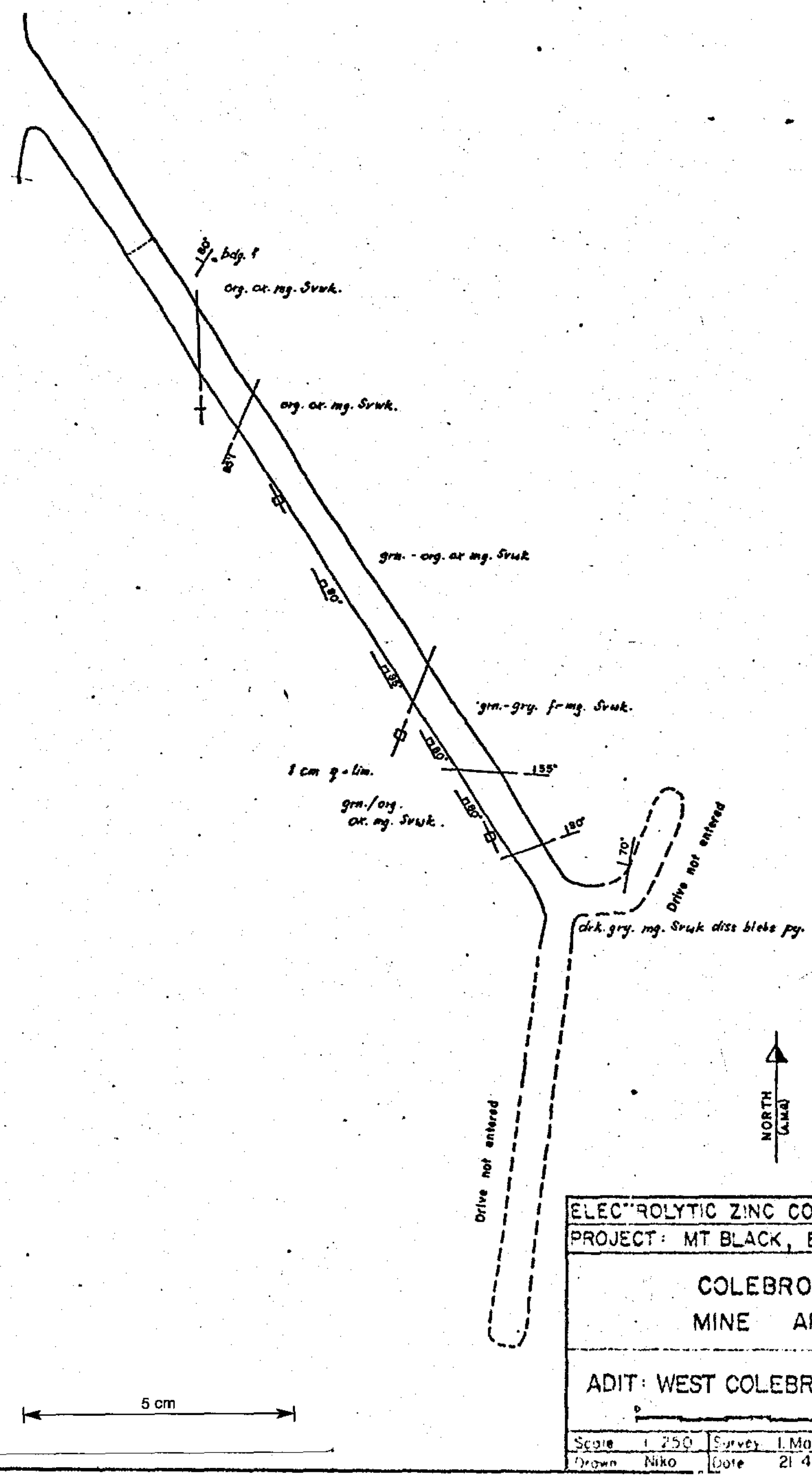
COLEBROOK
MINE AREA

ADIT: WEST COLEBROOK No.5
"N Tunnel" (Waller)

METRES

Scale 1:250	Survey I. Math	Ref No	
Drawn Niko	Date 21.4.'82		

704054



ELECTROLYTIC ZINC CO. OF A'ASIA LTD

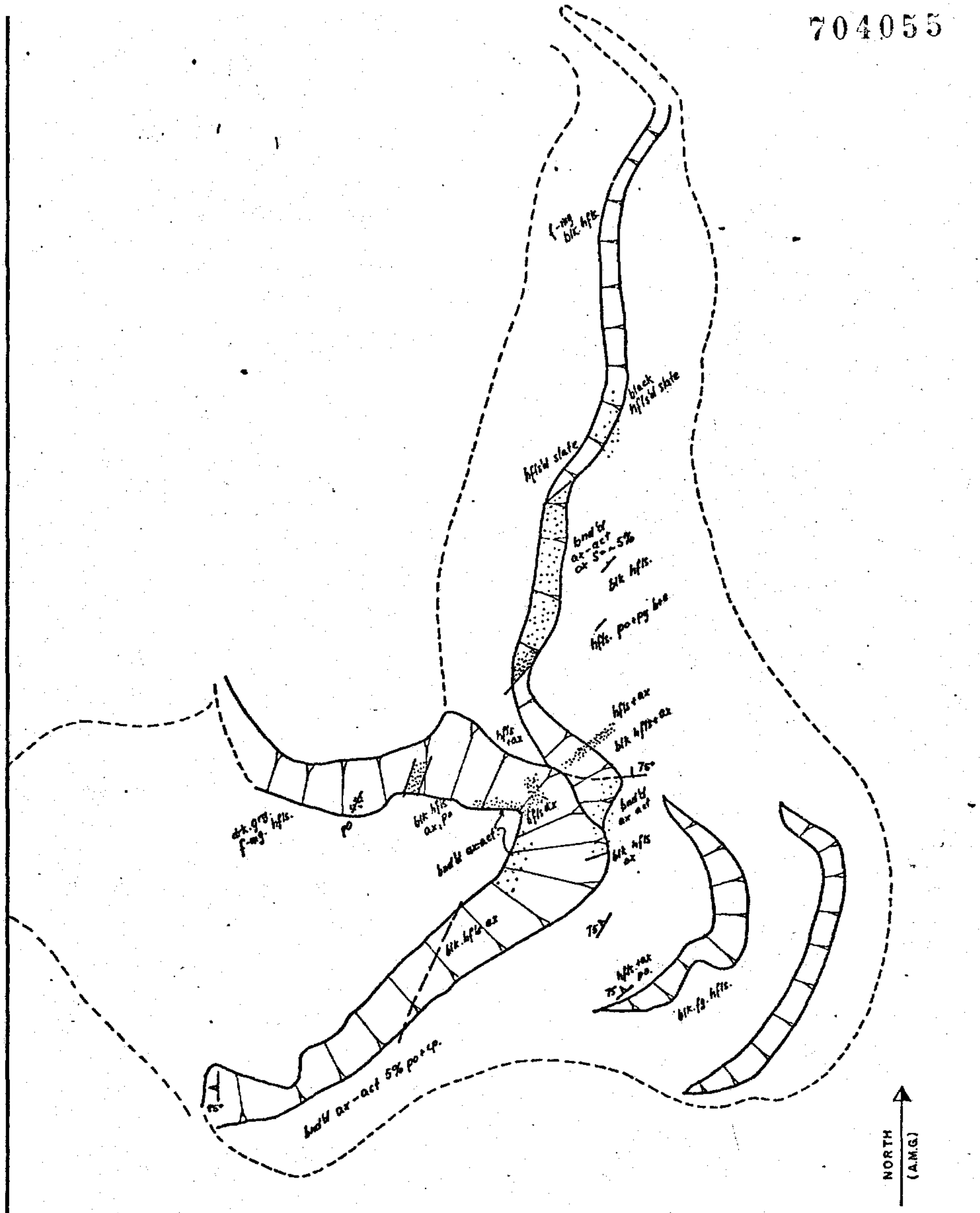
PROJECT: MT BLACK, E.L. 1/62, TAS

COLEBROOK
MINE AREA

ADIT: WEST COLEBROOK No. 6

Scale	1:250	Survey	I. Moth
Drawn	Niko	Date	21.4.'82

704055



ELECTROLYTIC ZINC CO. OF A'ASIA LTD

PROJECT: MT BLACK, E.L. 1/62, TAS.

COLEBROOK
MINE AREA

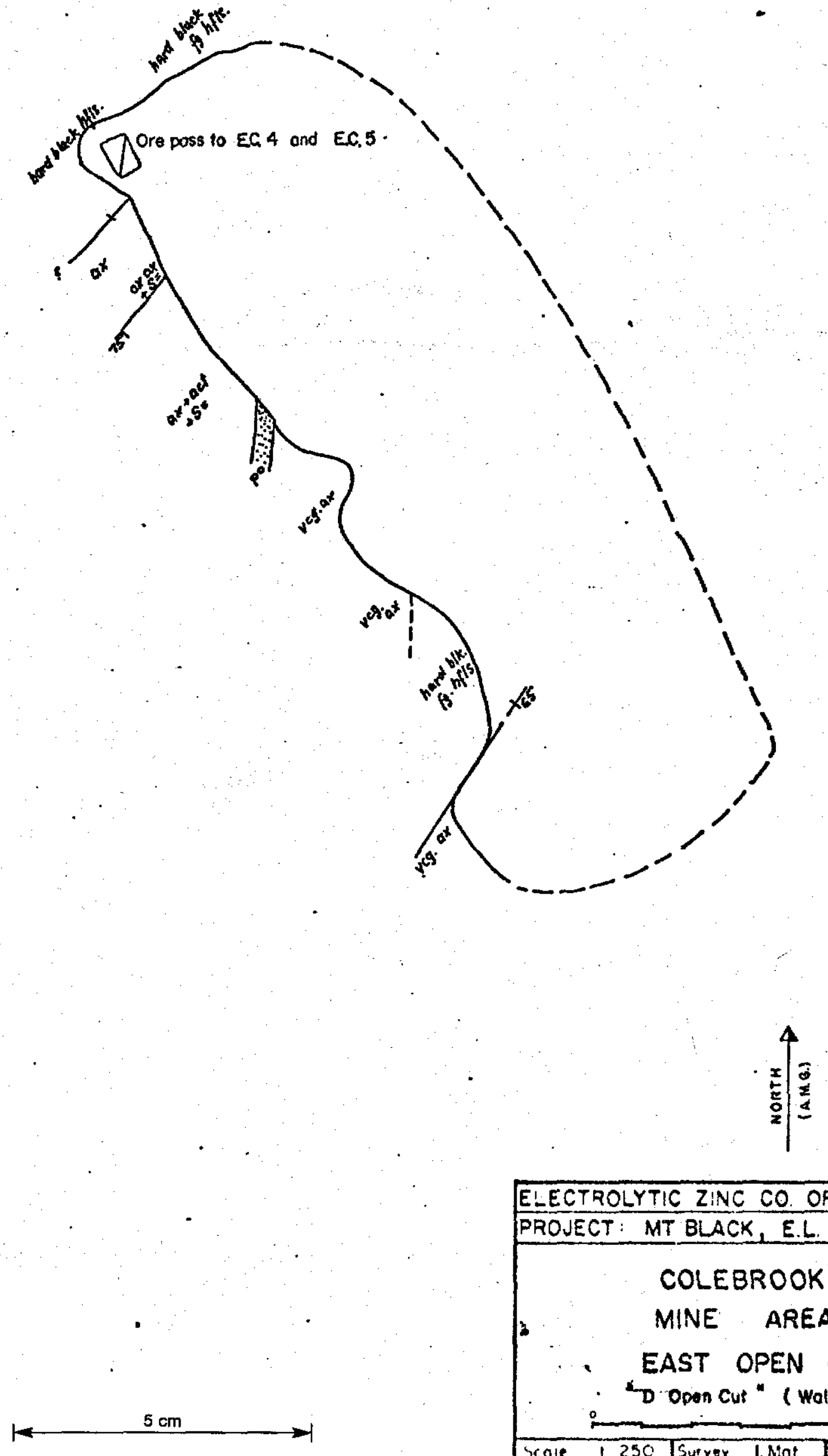
WEST OPEN CUT

METRES

Scale	1:250	Survey	I. Math.	Ref No
Drawn	Niko	Date	14.5.'82	

5 cm

704056



ELECTROLYTIC ZINC CO. OF A'ASIA LTD

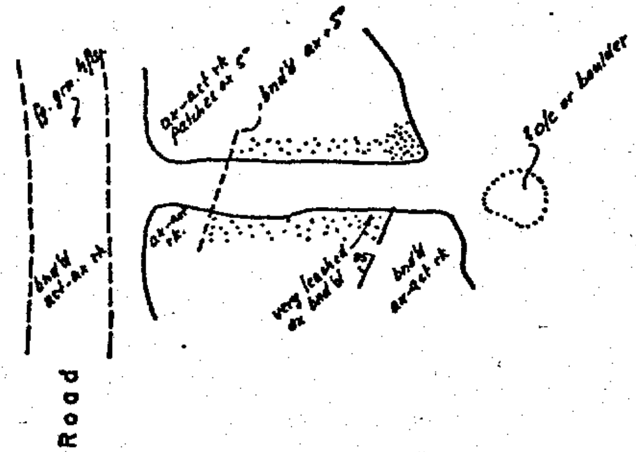
PROJECT: MT BLACK, E.L. 1/62, TAS.

COLEBROOK
MINE AREA
EAST OPEN CUT
"D Open Cut" (Waller)

0 METRES

Scale	1:250	Survey	I. Mat	Ref No
Drawn	Niko	Date	18.5.'82	

704057



NORTH (A.M.G.)

Large Compass Deviations

5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA LTD

PROJECT MT BLACK, E.L. 1/62, TAS

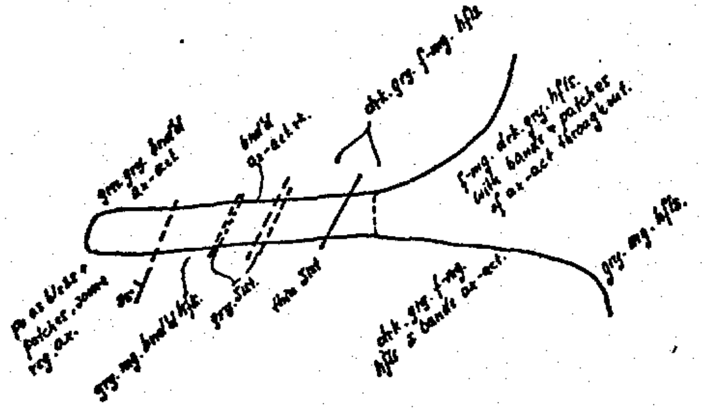
COLEBROOK
MINE AREA

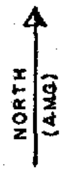
SUMMIT TRENCH

0 — 10 METRES

Scale	1 : 250	Survey	I. Math.	Ref No
Drawn	Niko	Date	14.5.'82	

704058





5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA LTD				
PROJECT: MT BLACK, E.L. 1/62, TAS				
COLEBROOK MINE AREA				
SUMMIT ADIT				
0 — METRES — 10				
Scale	1:250	Survey	I. Math.	Ref No
Drawn	Niko	Date	14.5.'82	

704059

E.L. 1/62

COLEBROOK HILL ADIT SAMPLING DATA

Adit ..SUMMIT...ADIT... Collar Grid Coordinates ..........N.........E. Date ..19.3.82....

SAMPLE NUMBER	LOCATION: Development	LOCATION: Interval	LOCATION: Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
43993	ADIT XC	0-2	CHIP	121			12	X	1650	8·15%	550	110	1300	X	1·0		X	60
94		-4		320			X	10	2100	8·50%	3800	255	790	X	4·0		X	4
95		-6		587			X	X	4000	7·80%	610	140	650	1·0	1·5		X	46
96		-8		610			X	X	2150	9·70%	430	210	8100	0·5	1·5		25	110
97		-9		529			52	50	2850	8·50%	3000	140	850	1·0	2·0		X	40
98	PORTAL	0-(-2)		428			47	50	2350	9·05%	630	195	3800	2·0	1·5		15	12
99		-(-4)		547			59	60	2850	7·45%	680	175	620	4·5	2·5		35	4
44000		-(-6)		541			32	65	4700	5·70%	85	120	720	1·0	1·0		5	4

Metal Content (p.p.m. unless specified)

. SOUTH WALL SAMPLED

E.L. 1/62

COLEBROOK HILL ADIT SAMPLING DATA

Adit ...SUMMIT...TRENCH Collar Grid Coordinates ..........N..........E. Date ...1..4..82.....

SAMPLE NUMBER	LOCATION: Development	Interval	Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
				Metal Content (p.p.m. unless specified)														
48694	EAST			442			11	55	1350	5·10%	6300	385	4900	2·0	4·5		110	7[illegible]
95		0-2	CHIP	534			X	65	1650	22·5%	2700	180	1·45%	2·0	4·0		115	11[illegible]
96		-4		476			90	60	1800	14·5%	2300	150	8600	3·0	6·5		130	7[illegible]
97		-6		345			16	90	420	10·0%	6650	220	5700	3·0	13·5		100	23[illegible]
98		-8		577			137	110	2000	7·90%	9700	340	1·35%	2·5	13·5		90	40[illegible]
99		-10		579			X	60	3700	5·00%	1300	160	6100	1·5	3·0		40	7[illegible]
48700	WEST			447			17	60	2000	14·5%	1250	155	1·20%	0·5	1·5		70	5[illegible]

SOUTH WALL SAMPLED

704061

E.L. 1/62

COLEBROOK HILL ADIT SAMPLING DATA

Adit North Colebrook .... "Clifton Mine" Collar Grid Coordinates ..........N..........E. Date ..Feb. 82.......

SAMPLE NUMBER	LOCATION: Development	Interval	Type	Metal Content (p.p.m. unless specified): Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
43932		0-2	CHIP	220			34	110	850	18·0%	655	160	860	2·0	3·5		275	280
33		4		204			26	90	1600	13·0%	800	130	710	3·0	1·5		125	48
34		6		416			35	110	1700	15·0%	1750	125	2700	2·5	1·0		105	50
35		8		68			X	25	2150	9·50%	800	365	870	1·5	X		5	X
36		10		145			X	45	2350	9·50%	1100	405	840	0·5	X		10	X
37		12		104			X	[illegible]	2700	11·5%	485	450	850	1·5	X		15	X
38		14	GRAB	113			X	175	3100	16·5%	980	260	3400	4·5	X		20	8
39		16	CHIP	56			X	50	2350	31·0%	950	930	9200	4·5	X		15	X
40		18		290			X	35	2650	8·40%	300	230	860	3·0	0·5		50	4
41		20		387			33	55	5800	11·5%	1000	175	4100	5·0	0·5		45	30
42		22		811			X	25	6700	11·0%	700	350	2300	2·5	0·5		60	47
43		26		363			X	15	8500	13·5%	930	225	490	3·5	0·5		20	X
44		28		347			X	65	4800	9·00%	225	170	990	5·0	0·5		25	X
45		30		167			28	75	1750	11·0%	180	395	1900	2·0	X		10	X
46		32		257			X	145	910	4·10%	1300	165	7000	3·5	2·5		95	52
47		34		226			X	90	930	6·10%	250	115	2400	5·5	0·5		10	X
48		36		188			X	15	2550	9·80%	255	280	660	3·0	X		35	X
49		38		99			X	25	1300	7·25%	100	140	380	3·0	X		5	X
50		40		148			X	35	1750	7·00%	145	145	280	3·0	0·5		10	X
43951	PORTAL	0-2		266			32	130	405	16·5%	1000	105	3900	2·5	2·0		120	60

NORTH WALL SAMPLED

SOUTH DRIVE NOT SAMPLED

704062

E.L. 1/62

COLEBROOK HILL ADIT SAMPLING DATA

Adit East Colebrook 1 (Waller's "150ft Level East") Collar Grid Coordinates ..........N..........E. Date 18.3.82

SAMPLE NUMBER	LOCATION: Development	Interval	Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
				Metal Content (p.p.m. unless specified)														
42597	ADIT XC	0-2	CHIP	168			8	5	2500	9.50%	9400	310	890	X	4.5		15	32
98		-4		137			370	X	1250	11.0%	9700	280	1600	X	4.0		10	180
99		-6		135			457	X	1200	8.00%	7400	250	7900	0.5	3.5		5	80
42600		-8		86			126	X	430	13.5%	6500	170	1700	X	3.0		10	230
43976		-10		230			10	5	3400	8.00%	4600	220	370	1.5	3.5		5	4
77		-12		258			33	5	2550	9.10%	3100	215	2300	X	2.5		5	4
78		-14		383			X	40	4000	5.10%	3200	190	1400	0.5	2.5		5	X
79		-16		290			X	35	3500	4.90%	5200	280	2300	1.5	4.5		X	4
80		-18		245	2		X	30	800	4.40%	245	80	620	1.5	1.0		5	X
81		-20		285			12	45	2250	6.50%	45	120	420	0.5	1.0		X	X
82		-22		179			10	30	1150	3.35%	145	70	750	1.0	1.0		5	X
83		-24		170			14	20	1500	4.10%	155	90	930	X	1.0		5	2
84		-26		307			18	35	2250	7.90%	700	190	180	3.5	2.0		5	X
85		-28		505			64	95	4350	4.20%	3200	350	890	3.0	3.5		15	4
86		-30		764			8	40	4200	5.05%	290	125	220	2.0	2.0		60	2
87		-32		586			10	5	3100	7.00%	1100	145	1300	1.0	2.0		45	4
88		-34		355			X	X	2050	6.65%	1600	155	420	2.5	2.0		20	2
89		-36		196			12	15	1000	5.05%	365	85	210	1.0	1.5		15	X
90		-38		254			74	X	1200	4.60%	2500	140	660	0.5	1.5		5	260
91		-40		301			6	X	2000	5.95%	700	80	130	0.5	0.5		15	14
43992		-42		336			33	X	1250	8.60%	4550	280	620	X	4.0		5	X

NORTH WALL SAMPLED

704063

E.L. 1/62

COLEBROOK HILL ADIT SAMPLING DATA

Adit EAST COLEBROOK 2 (Waller's "N°1 Tunnel") Collar Grid Coordinates ..........N..........E. Date 9-3-82.....

SAMPLE NUMBER	LOCATION: Development	Interval	Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
43966	ADIT XC	0-2	CHIP	589			X	80	9300	23·5%	5100	290	2000	1·0	X		80	4
67		-4		608			24	70	5750	19·0%	4900	210	1500	0·5	1·0		55	X
68		-6		364			31	70	8200	21·5%	4000	170	6000	X	0·5		90	X
69		-8		1100			256	60	5000	18·0%	3700	255	7500	1·0	6·5		20	114
70		-10		580			150	40	3350	13·0%	2800	205	5000	2·5	11·0		60	150
71		-12		327			180	5	3650	12·0%	1·50%	735	2600	3·5	11·0		30	110
72		-14		323			20	15	4400	14·5%	1·45%	1100	1200	2·0	12·5		1120	4
73	WEST XC	0-2		348			X	10	3100	8·70%	1800	170	750	1·0	2·0		30	116
74		-4		304			97	25	3650	7·80%	3150	225	1300	2·0	3·0		20	54
43975		-6		241			X	5	2200	9·50%	4700	195	630	5·0	2·0		X	36

Metal Content (p.p.m. unless specified)

NORTH WALL ADIT X/CUT SAMPLED
SOUTH WALL WEST X/CUT SAMPLED

COLEBROOK HILL ADIT SAMPLING DATA

E.L. 1/62

Adit EAST COLEBROOK 3 (Waller's "H Tunnel") Collar Grid Coordinates ..........N..........E. Date ..31.:.3.:.82....

Metal Content (p.p.m. unless specified)

SAMPLE NUMBER	LOCATION: Development	Interval	Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
43652	ADIT XC	0-2	CHIP	41			44	60	640	9·90%	960	140	450	X	0·5		15	[illegible]
53		-4		428			399	70	3600	10·5%	2050	240	2000	0·5	1·0		40	[illegible]
54		-6		498			101	75	4000	9·75%	3200	255	1500	1·5	1·0		30	[illegible]
55		-8		515			225	100	3900	8·70%	1500	305	4800	X	1·5		20	[illegible]
56		-10		697			61	105	3950	8·40%	1550	415	1200	X	1·0		25	[illegible]
57		-12		483			68	80	3200	7·20%	1100	175	370	X	1·0		25	[illegible]
58		-14		277			74	75	2200	8·20%	535	200	800	X	0·5		20	[illegible]
59		-16		674			10	90	3350	6·40%	735	195	1000	1·0	0·5		35	[illegible]
60		-18		583			5	50	2250	6·20%	1850	175	4400	1·0	2·0		15	[illegible]
61		-20		315			74	60	4650	10·0%	1·55%	900	2000	2·5	9·5		150	[illegible]
43662	S DRIVE FACE			473			112	45	3200	8·50%	3850	290	1·25%	2·0	2·0		20	[illegible]

NORTH WALL SAMPLED

E.L. 1/62

COLEBROOK HILL ADIT SAMPLING DATA

Adit EAST COLEBROOK 4 (Waller's "C Tunnel") Collar Grid Coordinates ..........N..........E. Date 17.3.82....

SAMPLE NUMBER	LOCATION: Development	Interval	Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
				Metal Content (p.p.m. unless specified)														
42581	ADIT X C	0-2		34			127	100	220	27·5%	1600	125	820	X	1·5		X	5
82		-4		92			7	60	740	7·20%	195	105	100	1·0	X		10	X
83		-6		74			X	60	620	6·10%	110	95	94	1·0	X		10	X
84		-8		146			9	25	1350	9·00%	3950	195	100	1·5	2·5		15	X
85		-10		204			90	25	2850	6·90%	4500	240	220	8·0	2·5		20	X
86		-12		188			557	35	700	11·0%	5300	235	680	3·0	6·0		30	50
87		-14		226			268	15	1300	15·0%	4400	200	720	2·0	1·5		25	X
88		-16		200			X	5	2000	8·20%	1·20%	440	970	7·0	5·5		15	4
89		-18		165			X	X	840	10·5%	8100	270	700	1·5	3·5		25	X
90		-20		212			X	X	1550	6·60%	1·00%	420	9800	3·5	6·5		10	74
91		-22		434			X	45	3400	11·0%	3750	310	970	6·0	1·5		50	X
92		-24		330			458	60	2900	9·90%	2550	200	710	5·5	1·0		30	X
93		-26		209			222	5	1400	11·5%	9300	305	670	3·0	4·0		30	114
94		-28		222			X	X	1500	9·80%	7800	315	600	2·0	3·0		20	114
95		-30		159			X	X	2050	8·10%	7600	290	110	3·5	3·0		25	X
42596		-32		168			29	X	1200	8·30%	6000	220	96	1·0	3·0		10	X

NORTH WALL SAMPLED

704066

E.L. 1/62

COLEBROOK HILL ADIT SAMPLING DATA

Adit EAST COLEBROOK 5 (Gregory's "C 26") Collar Grid Coordinates ..........N.........E. Date 31.3.82......

SAMPLE NUMBER	LOCATION: Development	Interval	Type	Metal Content (p.p.m. unless specified): Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
43663	ADIT XC	0-2	CHIP	61			7	70	480	5·80%	95	95	160	X	X		20	X
64		-4		59			8	85	515	5·55%	120	90	110	0·5	X		10	X
65		-6		132			16	75	795	3·85%	185	110	360	3·0	1·0		15	X
66		-8		57			37	70	510	5·25%	110	80	350	1·0	0·5		10	X
67		-10		35			5	70	500	7·40%	215	115	160	X	0·5		10	X
68		-12		81			46	65	855	7·00%	1350	170	1100	2·5	1·5		20	106
69		-14		279			17	45	1950	3·70%	7000	360	8000	1·0	4·0		10	52
70		-16		326			76	55	2900	4·95%	4700	290	6400	3·5	3·5		20	90
71		-18		186			X	50	4000	3·40%	1·40%	655	4700	4·0	12·0		10	26
72		-20		205			X	20	1100	2·15%	1·15%	340	1500	2·0	6·0		10	10
73		-22		163			67	20	330	2·90%	1·25%	505	2·25%	3·5	8·5		15	440
74		-24		221			1560	20	555	2·10%	2·90%	1300	1·15%	7·0	21·5		10	620
75		-26		146			47	15	810	4·40%	6900	270	1300	2·5	4·0		10	230
76		-28		168			82	35	1950	5·05%	1·20%	427	8900	1·5	5·0		10	92
77		-30		269			X	45	1700	4·60%	1·40%	600	1·70%	3·0	7·0		20	144
43678		20-		473			X	55	3000	3·30%	1·10%	610	4700	26·5	7·0		10	26
4		23																

SAMPLES 43663 TO 66 AND 43678 FROM NORTH WALL
REST FROM SOUTH WALL

704067

E.L. 1/62

COLEBROOK HILL ADIT SAMPLING DATA

Adit .E.A.S.T... C.O.L.E.B.R.O.O.K. 6 (Waller's "N° 2 Adit") Collar Grid Coordinates ..........N..........E. Date ...15..3..82..

SAMPLE NUMBER	LOCATION: Development	Interval	Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
42571	ADIT XC	0-2	CHIP	298			6	15	3700	10·0%	325	110	9100	1·0	2·5		X	[illegible]
72		-4		196			X	35	2000	22·5%	1900	110	910	1·0	3·5		X	[illegible]
73		-6		494			872	35	1700	17·0%	2850	200	770	1·5	4·0		X	[illegible]
74		-8		227			226	X	1500	10·5%	6200	250	1800	1·0	4·0		X	[illegible]
75		-10		261			256	X	2000	12·5%	5800	325	310	1·5	4·0		5	[illegible]
76		-12		180			101	X	820	15·0%	9000	400	210	2·0	6·5		15	[illegible]
77		-14		307			21	X	1100	6·05%	8900	330	200	X	6·0		X	[illegible]
78		-16		250			23	10	2900	7·50%	2500	300	95	1·0	1·5		10	[illegible]
79		-18		267			16	10	1850	2·90%	165	100	190	1·0	1·0		15	[illegible]
42580		-20		396			22	15	2150	5·35%	1850	95	4700	2·0	1·0		5	[illegible]

NORTH WALL SAMPLED

E.L. 1/62

COLEBROOK HILL ADIT SAMPLING DATA

Adit Bench of E. Colebrook .5. Collar Grid Coordinates ..........N..........E. Date .31.3.82.......
(Waller's B. Bench)

SAMPLE NUMBER	LOCATION: Development	Interval	Type	Metal Content (p.p.m. unless specified): Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
43679	E. END	0-2	CHIP	615			X	85	3150	6·40%	730	120	2·85%	2·0	5·0		20	158
80		-4		364			186	80	1750	13·0%	660	135	4300	1·0	4·0		35	64
81		-6		371			87	45	2250	7·20%	985	70	1100	1·0	5·0		20	120
82		-8		458			127	40	1250	13·5%	2600	235	1400	1·0	21·0		110	68
83		-10		373			100	40	1800	14·0%	1500	240	490	1·0	5·5		15	42
84		-12		415			36	40	675	13·0%	730	120	1200	2·0	7·0		25	110
85		-14		363			29	60	2950	11·5%	4300	130	480	X	11·0		15	50
86		-16		361			104	35	1000	13·0%	2350	130	1600	1·5	13·0		20	58
87		-18		320			67	40	970	11·5%	710	80	1800	X	6·0		30	58
88		-20		280			617	65	1250	13·0%	1000	160	1100	2·0	6·5		15	20
89	W. END	-22		116			25	95	640	8·05%	470	110	460	X	0·5		10	4
90		AT 3		N/S			N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S		N/S	N/S

E.L. 1/62

COLEBROOK HILL ADIT SAMPLING DATA

Adit ..B...TRENCH...... Collar Grid Coordinates ...........N..........E. Date ...1.:.4.:.82...

SAMPLE NUMBER	LOCATION Development	Interval	Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
43691	E. END	0-2	CHIP	377			X	40	3550	6·20%	2700	160	2·35%	X	2·5		25	320
92		-4		300			39	45	3050	4·40%	1·20%	345	7·00%	X	13·0		30	870
93		-6		455			X	50	2050	6·45%	1300	230	3100	1·0	4·0		145	152
94		-8		306			X	35	2100	6·60%	815	290	2·25%	0·5	1·0		135	34
95		-10		396			X	60	3950	5·80%	7350	200	2·50%	0·5	17·0		30	112
96		-12		370			X	45	2000	5·80%	1·25%	320	2·85%	2·0	20·0		10	22
97		-14		211			X	30	585	9·75%	3500	110	7·05%	1·5	3·0		25	112
98		-16		360			24	35	1450	8·10%	6950	330	5700	1·5	5·0		35	130
99		-18		277			6	35	1550	5·85%	9350	415	2500	0·5	6·5		15	130
43700		-20		335			102	50	2050	5·35%	1·05%	290	2·05%	1·5	5·5		25	66
48599	W. END	-22		223			28	60	3050	6·80%	4400	170	2·10%	3·0	3·0		15	400

SOUTH WALL SAMPLED

704070

E.L. 1/62

COLEBROOK HILL ADIT SAMPLING DATA

Adit ....ROAD............. Collar Grid Coordinates ..........N..........E. Date .17..2..82.....

SAMPLE NUMBER	LOCATION Development	Interval	Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
43952		0-2	CHIP	79			X	45	1300	9.00%	530	115	560	2.0	X		10	X
53		-4		483			X	30	5100	9.00%	1000	120	2200	1.0	X		10	110
54		-6		720			6	15	4600	6.30%	460	100	810	X	X		10	6
55		-8		248			9	90	5600	11.0%	780	130	680	1.5	0.5		5	4
56		-10		868			41	25	8300	6.10%	1100	150	380	1.0	X		15	4
57		-12		556			X	15	4500	10.0%	2150	215	800	1.5	0.5		50	116
58		-14		443			11	X	3500	14.0%	6150	295	770	2.0	7.5		X	38
59		-16		334			69	25	1250	16.0%	7700	165	7000	2.0	7.5		5	3200
60		-18		52			18	40	2900	20.5%	8100	600	2200	1.0	X		10	X
61		-20		572			X	35	7400	15.0%	8200	270	950	X	X		15	26
62		-22		219			10	60	5350	22.0%	7300	510	770	0.5	X		X	X
63		-24		424			4	65	5050	16.0%	3200	185	460	X	X		5	6
64		-26		509			X	165	1.05%	4.80%	125	135	78	2.0	X		5	22
43965		-28		946			12	70	4300	5.60%	890	90	280	0.5	X		45	72

E.L. 1/62

COLEBROOK HILL ADIT SAMPLING DATA

Adit ..West Colebrook..5. Collar Grid Coordinates ..........N.........E. Date ..21.-4.-82....

SAMPLE NUMBER	LOCATION: Development	Interval	Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
43729	PORTAL	(-10)-(-8)	CHIP															
30		-(-6)																
31		-(-4)																
32		-(-2)																
33		-0																
34	ADIT XC	0-2																
35		-4																
36		-6																
37		-8																
38		-10																
39		-12																
40		-14																
43741		-16																

Metal Content (p.p.m. unless specified)

NORTH WALL SAMPLED

E.L. 1/62

COLEBROOK HILL ADIT SAMPLING DATA

Adit West Colebrook 4 2 Collar Grid Coordinates ..........N..........E. Date 21-4-82.......

SAMPLE NUMBER	LOCATION			Metal Content (p.p.m. unless specified)															
	Development	Interval	Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi	
43719	PORTAL	(-4)-(-2)	CHIP																
20		(-2)-0																	
21	ADIT XC	0-2																	
22		-4																	
23		-6																	
24		-8																	
25		-10																	
26		-12																	
27		-14																	
43728		-15																	

SOUTH WALL SAMPLED

E.L. 1/62

COLEBROOK HILL ADIT SAMPLING DATA

Adit .WEST....COLEBROOK 3 "M TUNNEL" Collar Grid Coordinates ..........N.........E. Date .29-30/3/.82.

SAMPLE NUMBER	LOCATION: Development	LOCATION: Interval	LOCATION: Type	Metal Content (p.p.m. unless specified): Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
43618	PORTAL	0-1-2	CHIP	245			22	65	1750	7·00%	720	105	1000	4·5	X		35	X
19		-1-4		255			25	75	1900	10·5%	1600	115	1900	2·5	X		15	X
20	ADIT XC	0-2		1090			65	95	6350	9·50%	3050	245	2900	X	0·5		30	10
21		-4		467			27	50	5650	20·5%	6200	380	8700	4·0	15·0		120	22
22		-6		468			76	40	2050	20·0%	7100	620	3400	7·5	6·0		100	4
23		-8		105			9	65	825	8·65%	1900	120	240	4·5	0·5		30	X
24		-10		417			15	50	710	6·40%	5400	165	360	5·0	5·5		50	X
25		-12		525			X	85	3900	4·20%	8600	245	110	4·0	5·0		20	X
26		-14		381			X	80	4000	12·0%	3700	300	200	1·0	2·5		15	2
27		-16		334			49	54	3100	10·0%	3400	200	800	1·0	3·0		20	X
28	NE DRIV	0-2		481			X	65	3850	4·20%	1950	85	350	8·5	17·0		35	6
29		-4		424			11	60	3350	8·05%	1900	105	1000	5·5	7·0		30	6
43630		-5		398			9	60	2050	14·5%	2350	315	540	3·0	3·0		20	8

PORTAL AND ADIT CROSS CUT SOUTH WALL SAMPLED

NORTH EAST DRIVE NORTH WALL SAMPLED

E.L. 1/62

COLEBROOK HILL ADIT SAMPLING DATA

Adit West Colebrook 64. Collar Grid Coordinates ..........N..........E. Date 23-4-82.....

SAMPLE NUMBER	LOCATION Development	LOCATION Interval	LOCATION Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
43742	ADIT XC	0-2	CHIP															
43		-1																
44		-6																
45		-8																
46		-10																
43747		-11																

Metal Content (p.p.m. unless specified)

SOUTH WALL SAMPLED

E.L. 1/62

COLEBROOK HILL ADIT SAMPLING DATA

Adit WEST COLEBROOK 5 "N TUNNEL" .. Collar Grid Coordinates ..........N..........E. Date ...30/3/82....

SAMPLE NUMBER	LOCATION Development	Interval	Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
43631	ADIT No	0-2	CHIP	14			X	100	1300	9.85%	1550	145	1300	2.0	X		110	
32		-4		14			X	55	1550	8.65%	1200	105	1400	X	X		110	
33		-6		X			X	35	1900	8.75%	1450	110	1700	0.5	X		X	
34		-8		X			X	40	2500	11.0%	1600	130	1400	1.0	0.15		10	
35		-10		X			X	30	1750	7.75%	1650	100	1800	X	X		15	
36		-12		15			18	45	2150	15.0%	1300	120	4200	1.5	X		15	
37		-14		X			X	60	955	17.0%	705	160	5400	X	X		20	
38		-16		6			X	45	1400	13.5%	770	140	4800	X	X		15	
39		-18		9			X	50	860	13.5%	710	145	4700	X	X		20	
40		-20		12			X	40	2000	11.0%	700	125	3900	X	0.15		25	
41		-22		15			X	45	890	10.0%	715	125	4700	X	X		25	
42		-24		153			339	100	750	22.5%	5500	385	1.40%	X	X		20	35
43		-26		409			47	70	4350	13.5%	5850	230	1.80%	1.0	X		20	45
44		-28		571			98	60	4250	11.0%	3750	150	5000	X	0.15		20	30
45		-30		719			39	50	2100	5.60%	2000	80	1700	X	X		15	4
46		-32		376			8	70	4750	12.0%	2400	150	4600	X	0.15		40	8
47		-34		293			11	55	3650	14.5%	3000	195	6000	X	X		45	X
48		-36		191			55	70	3100	16.0%	2950	225	6900	X	X		80	14
49		-38		241			18	110	3000	27.0%	5800	370	1.55%	1.5	X		55	122
43650		-40		252			17	70	4400	20.0%	6200	370	1.85%	2.0	0.15		50	58
ADIT 3		-42		244			20	60	2800	12.0%	2700	430	2.30%	2.5	2.0		70	136
43651		-43		223			109	95	1550	9.60%	420	120	2.45%	2.0	0.15		40	110

SOUTH WALL SAMPLED.

704076

COLEBROOK HILL ADIT SAMPLING DATA

E.L. 1/62

Adit .WEST....COLEBROOK 6 Collar Grid Coordinates ..........N.........E. Date ..29..3...82..

SAMPLE NUMBER	LOCATION Development	Interval	Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
43601	ADIT XC	0-2	CHIP	18			X	60	1450	8·90%	1000	100	83	1·0	0·5		20	
2		-4		X			4	65	1450	8·55%	400	75	63	1·5	X		15	
3		-6		15			X	60	1500	8·25%	820	110	90	0·5	X		15	
4		-8		11			X	65	1550	8·25%	1500	140	85	1·5	X		15	
5		-10		6			X	80	1900	8·50%	1400	155	81	1·0	X		10	
6		-12		X			X	90	1700	9·65%	1500	170	95	1·5	0·5		10	
7		-14		X			X	55	1400	8·05%	795	160	80	1·5	X		10	
8		-16		5			11	70	1300	9·10%	760	135	74	1·0	0·5		10	
9		-18		X			X	90	1500	8·35%	850	165	68	X	X		15	
10		-20		X			X	115	1350	8·10%	860	165	65	X	X		10	
11		-22		X			39	90	1900	9·10%	1550	170	150	0·5	X		15	
12		-24		X			X	115	1250	8·35%	695	135	100	0·5	X		10	
13		-26		X			5	75	1250	8·45%	1200	120	130	2·0	X		10	
14		-28		11			X	90	800	8·35%	1250	120	120	X	X		15	
15		-30		25			10	95	875	8·60%	905	115	170	X	X		10	
16		-32		9			35	75	2100	8·50%	590	110	120	X	X		15	
17		-34		13			X	115	755	8·40%	330	105	110	X	X		10	

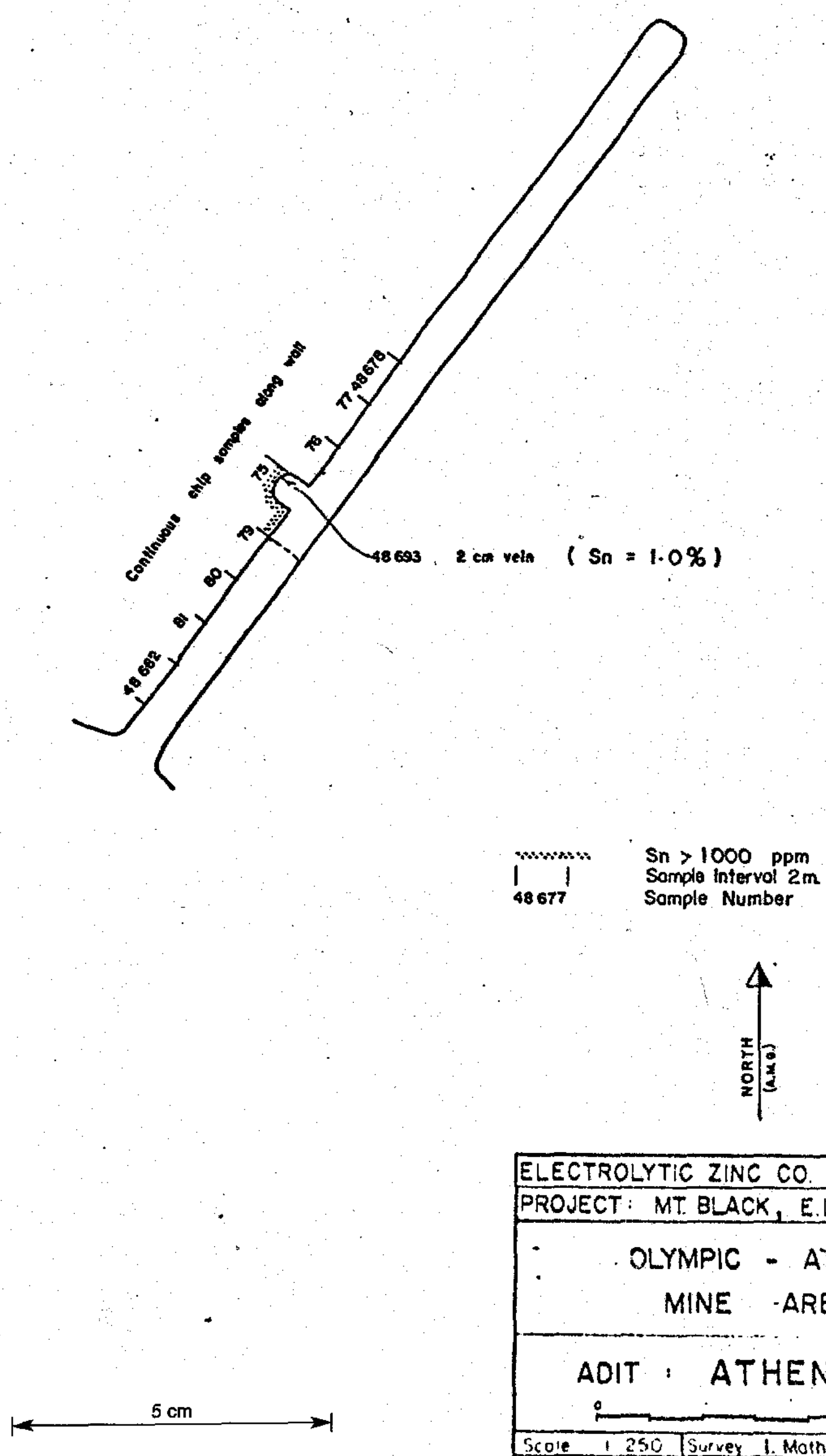
Metal Content (p.p.m. unless specified)

SOUTH WALL SAMPLED

APPENDIX B: Olympic-Athenic Mine Mapping and Sampling.

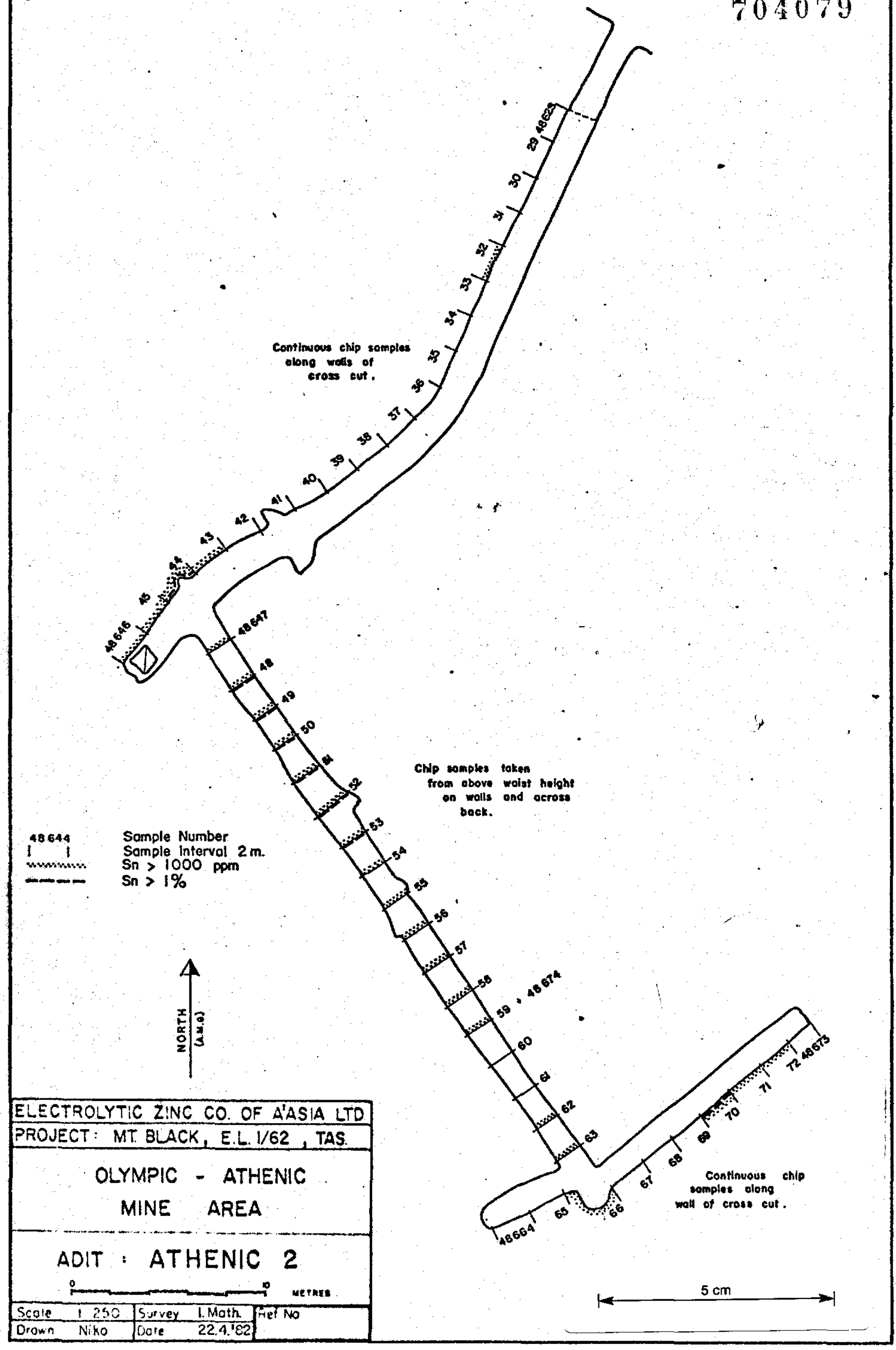
Sample methods, sample preparation and analysis as described in Appendix A.

704078



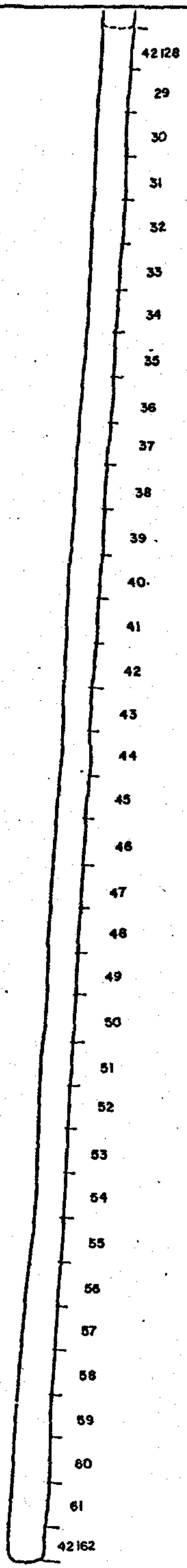
ELECTROLYTIC ZINC CO. OF A'ASIA LTD	
PROJECT: MT. BLACK, E.L. 1/62, TAS.	
OLYMPIC - ATHENIC MINE AREA	
ADIT : ATHENIC 1	METRES
Scale 1 250	Survey I. Math. Ref No
Drawn Niko	Date 21 4 '82

704079



Continuous chip samples along walls of cross cut.
48628
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
48646
48647
48
49
50
51
52
53
54
55
56
57
58
59 + 48674
60
61
62
63
48664
65
66
67
68
69
70
71
72 48673
Chip samples taken from above waist height on walls and across back.
Continuous chip samples along wall of cross cut.
48644 Sample Number
Sample Interval 2 m.
Sn > 1000 ppm
Sn > 1%
NORTH (A.M.G.)
5 cm
ELECTROLYTIC ZINC CO. OF A'ASIA LTD
PROJECT: MT. BLACK, E.L. 1/62, TAS.
OLYMPIC - ATHENIC
MINE AREA
ADIT : ATHENIC 2
0 10 METRES
Scale 1:250
Survey I. Math.
Ref No
Drawn Niko
Date 22.4.'82

704080

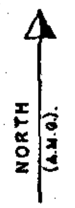


42 145 Sample Numbers

| | | Sample Interval 2 m.

Sn values below 1000 ppm

5 cm



ELECTROLYTIC ZINC CO OF A'ASIA LTD

PROJECT: MT BLACK, E.L. 1/62 , TAS

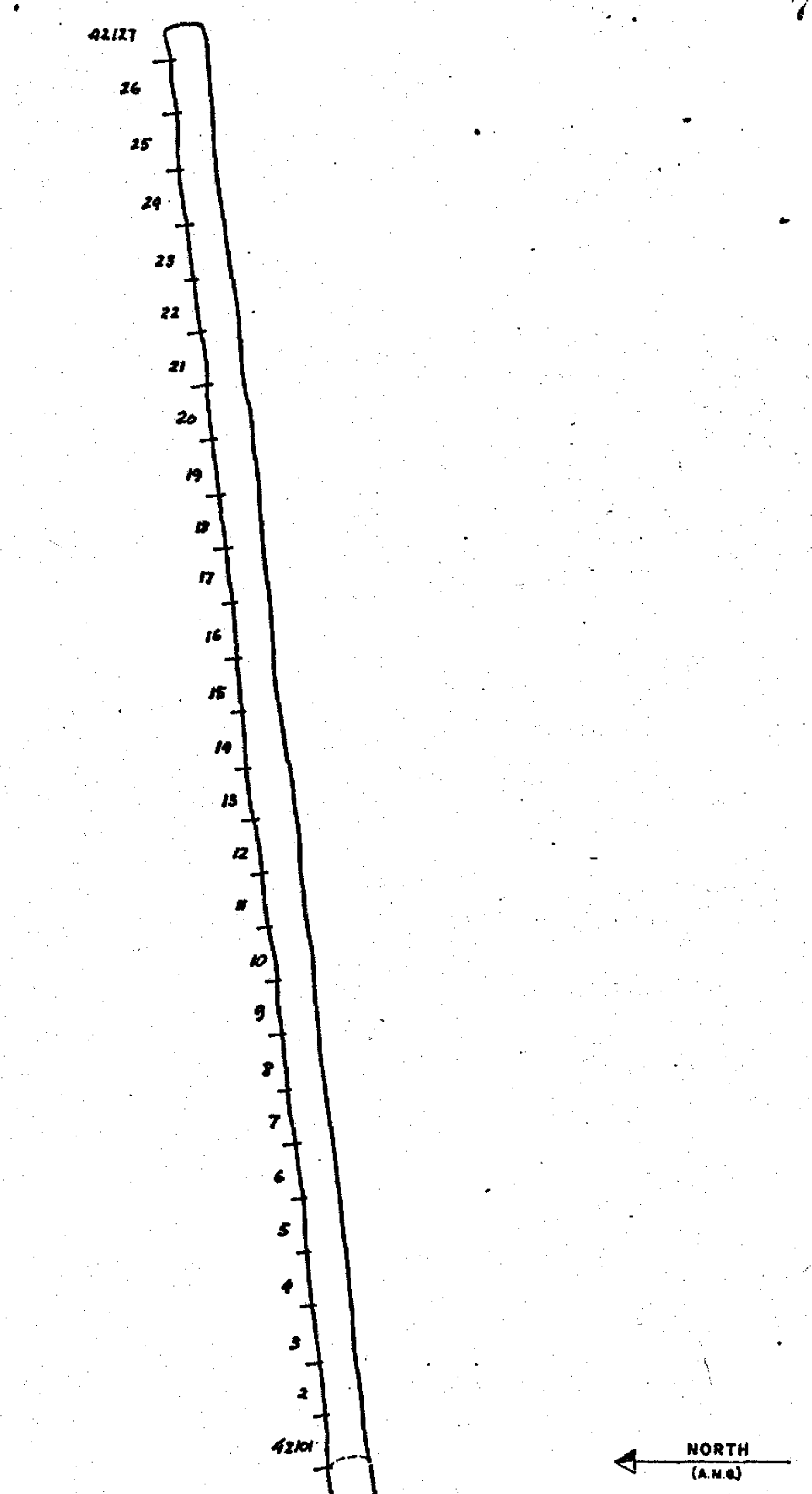
OLYMPIC - ATHENIC
MINE AREA

ADIT : ATHENIC 3A

0 — 0 METRES

Scale	1 250	Survey	I. Math.	Ref No
Drawn	Niko	Date	22.4.'82	

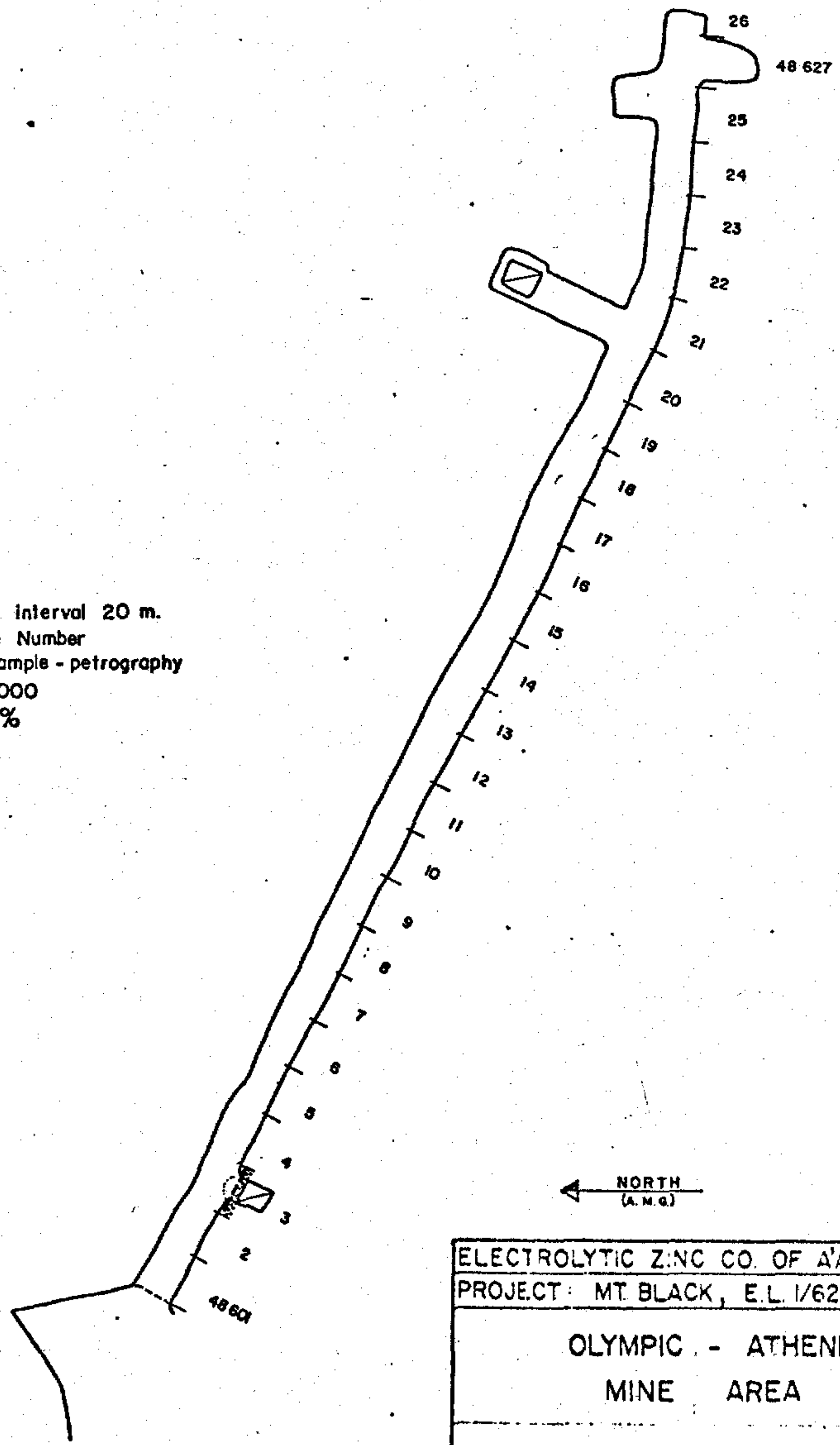
704081



5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA LTD		
PROJECT: MT. BLACK, E.L. 1/62, TAS.		
OLYMPIC - ATHENIC MINE AREA		
ADIT · ATHENIC 3B		
0 — 10 METRES		
Scale 1:250	Survey	Ref No
Drawn	Date	

704082



I I I	Sample interval 20 m.
48 626	Sample Number
	Rock sample - petrography
~~	Sn > 1000
— — — —	Sn > 1%

ELECTROLYTIC ZINC CO. OF A'ASIA LTD

PROJECT: MT. BLACK, E.L. 1/62, TAS.

OLYMPIC - ATHENIC

MINE AREA

ADIT : OLYMPIC 1

0 10 METRES

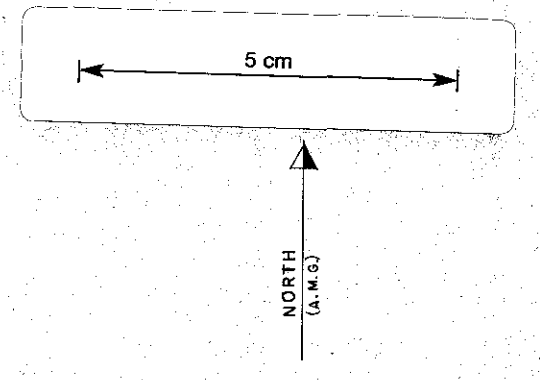
Scale	1:250	Survey	I. Math.	Ref No
Drawn	Niko	Date	22.4'82	

5 cm

704083

| | | | Sample Interval 2 m.
42 508 Sample Numbers

Sn values below 1000 ppm.



ELECTROLYTIC ZINC CO. OF A'ASIA LTD

PROJECT: MT BLACK, E.L. 1/62, TAS.

OLYMPIC - ATHENIC
MINE AREA

ADIT : OLYMPIC 3B

0 10 METRES

Scale	1 250	Survey	I. Math.	Ref No.
Drawn	Niko	Date	22.4.'82	

704084

ELECTROLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: MT. BLACK, E.L. 1/62, TAS.

OLYMPIC - ATHENIC
MINE AREA

ADIT : OLYMPIC 3B

0 10 METRES

Scale	1 250	Survey	I. Math.	Ref No
Drawn	Niko	Date	22.4.'82	

E.L. 1/62 — COLEBROOK HILL ADIT SAMPLING DATA — 704085

Adit ..Olympic 1 Level. Collar Grid Coordinates ..........N..........E. Date Jan 82.....

SAMPLE NUMBER	LOCATION: Development	LOCATION: Interval	LOCATION: Type	Metal Content (p.p.m. unless specified): Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
48627	MAIN XC	50-2	CHIP	35			X	65	3900	12.5%	555	445	80	2.0	X		70	8

SOUTH WALL SAMPLED

E.L. 1/52 — COLEBROOK HILL ADIT SAMPLING DATA — 704086

Adit Olympic 1 Level. Collar Grid Coordinates 5,370.834 N 374.643 E. Date Jan. 82

SAMPLE NUMBER	LOCATION: Development	Interval	Type	Sn X.R.F.	Sn A.A.S.	Sn cx	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
				Metal Content (p.p.m. unless specified)														
48601	MAIN XC	0-2	CHIP	95			25	165	915	16.5%	355	75	180	X			X	X
2		-4		100			X	110	755	19.5%	390	120	1100	X			5	X
3		-6		17800	13500	10	60	155	425	24.5%	1500	265	4200	X	0.5		30	34
4		-8		770			40	150	915	18.0%	575	235	630	1.5			30	24
5		-10		60			X	125	445	12.0%	615	140	290	X			15	X
6		-12		85			X	135	5750	13.5%	635	130	210	X			15	X
7		-14		30			X	105	1700	9.30%	175	95	60	X			5	X
8		-16		55			X	105	6800	13.5%	500	175	160	1.0			5	X
9		-18		35			X	130	7050	13.0%	460	135	170	1.0			5	X
10		-20		20			X	115	1.55%	14.0%	380	145	90	X			X	X
11		-22		45			X	105	5450	16.0%	620	185	140	0.5			15	X
12		-24		65			X	75	3050	16.5%	870	195	340	2.0			20	X
13		-26		40			X	60	5950	18.5%	825	375	620	7.5	X		75	6
14		-28		25			X	55	9400	18.5%	890	605	480	5.5	0.5		220	X
15		-30		30			10	65	8800	19.5%	1200	430	44	3.0	0.5		40	X
16		-32		25			X	95	2600	21.5%	610	300	54	1.5	X		30	X
17		-34		30			X	45	470	24.5%	310	90	120	1.0	X		20	4
18		-36		20			X	80	2900	12.5%	360	220	130	2.0	X		45	X
19		-38		15			X	85	450	11.0%	275	175	50	2.0	X		50	X
20		-40		40			X	70	330	10.0%	375	280	100	1.5	X		75	2
21		-42		30			X	65	3700	11.5%	435	305	90	1.5	0.5		90	X
22		-44		90			X	55	5600	12.5%	690	305	90	2.0	X		75	X
23		-46		25			X	90	1400	11.0%	480	200	160	1.5	X		40	X
24		-48		10			X	85	620	12.0%	425	125	180	2.0	X		15	X
25		-50		35			X	60	1300	10.5%	530	160	110	1.0	X		15	6
48626		52-3		30			X	40	2450	10.0%	595	235	90	1.5	X		20	4

E.L. 1/62

COLEBROOK HILL ADIT SAMPLING DATA

704087

Adit Olympic... 2 Level...... Collar Grid Coordinates ..........N.........E. Date Jan.. 82......

SAMPLE NUMBER	LOCATION: Development	Interval	Type	Metal Content (p.p.m. unless specified): Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
48501	MA1 NXC	0-2	CHIP	130			X	4650	6250	12.5 %	405	525	1700	X			35	5
2		-4		20			X	1850	2400	8.15 %	185	170	480	X			15	2
3		-6		10			X	1950	3850	8.00 %	140	165	84	X			15	2
4		-8		15			X	2150	5200	11.5 %	135	135	22	X			5	2
5		-10		15			X	3400	8800	13.9 %	170	305	180	X			10	X
6		-12		15			X	2150	9650	19.0 %	395	295	1600	X			20	X
7		-14		100			X	1550	6550	2.5 %	700	210	1100	X			105	5
8		-16		140			35	240	4700	21.0 %	655	295	490	X			180	X
9		-18		110			30	60	6400	21.5 %	1200	475	600	0.5			160	15
10		-20		7300	1850	X	X	80	3900	24.5 %	1100	920	1900	2.0	0.5		1600	4
11		-22		540			X	35	1750	17.5 %	520	720	1900	0.5			320	14
12		-24		40			X	40	165	13.0 %	325	195	1300	X			50	X
13		-26		60			X	90	505	18.0 %	390	145	500	X			20	X
14		-28		620			25	80	540	18.0 %	710	85	510	0.5			20	40
15		-30		2400	1250	X	35	120	515	18.5 %	580	95	650	X	0.5		10	X
16		-32		85			X	80	1050	14.5 %	430	95	570	X			15	X
17		-34		15			X	60	760	10.0 %	350	105	310	X			10	X
18		-36		25			X	65	255	9.40 %	490	130	220	1.0			25	3
19		-38		10			X	60	335	8.85 %	305	130	110	X			15	X
20		-40		25			X	50	1600	10.0 %	360	155	300	X			5	X
21		-42		10			X	70	4500	9.95 %	325	180	220	X			15	X
22		-44		35			X	40	2900	8.65 %	475	150	470	2.0			90	X
23		-46		10			X	80	1600	13.0 %	500	235	470	X			X	X
24		-48		40			X	35	3650	9.05 %	555	160	570	2.5			1300	X
25		-50	GRAB	17300	15000	5	65	80	1100	20.0 %	1300	170	2500	X	1.0		50	51
48526	MA1 NXC	-52	[illegible]															

E.L. 1/62 — COLEBROOK HILL ADIT SAMPLING DATA — 704088

Adit Olympic ... 2 Level ... Collar Grid Coordinates ..........N..........E. Date ..Jan...82....

SAMPLE NUMBER	LOCATION: Development	Interval	Type	Metal Content (p.p.m. unless specified): Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
48527	MA, NXC	-54	CHIP	270			X	50	3500	11.5 %	690	170	720	X			85	6
28		-56		55			X	45	3800	12.5 %	535	165	550	X			40	8
29		-58		60			X	55	1800	16.5 %	655	280	550	0.5			90	X
30		-60		40			10	80	5400	21.0 %	860	185	400	1.0			10	36
31		-62		30			X	55	4250	13.5 %	650	325	210	2.5			50	68
32		-64		25			X	40	1.25%	13.0 %	1300	395	280	3.5			60	X
33		-66		40			X	50	2400	12.0 %	410	335	94	X			45	X
34		-68		65			X	75	2150	13.5 %	425	190	130	1.0			25	3
35		-70		55			10	110	1700	17.5 %	290	155	210	X			10	X
36		-72		150			20	70	1050	24.5 %	900	215	1900	2.5			15	X
37		-74		21700	20500	25	75	85	1250	16.0 %	1500	120	370	3.0	0.5		35	14
38		-76		1750			55	60	1.25%	17.5 %	1450	300	410	3.5			310	6
39		-78		7400	1450	10	60	60	4100	26.5 %	855	625	480	2.5	0.5		590	12
40		-80		85			X	50	1800	16.5 %	440	370	410	3.0			70	X
41		-82		60			X	40	1700	18.5 %	405	420	410	2.5			100	X
42		-84		30			X	65	1250	20.5 %	365	540	670	5.5			140	X
43		-86		60			X	65	845	14.0 %	355	355	420	2.0			50	X
44		-88		60			X	65	980	12.0 %	455	180	180	1.5			15	2
45		-90		45			X	75	950	9.85%	435	180	160	1.0			5	X
46		-92		30			X	70	360	8.15%	255	245	90	1.0			15	X
47		-94		40			X	80	835	10.0 %	375	325	140	1.5			20	X
48		-96		25			X	50	2150	9.85%	225	235	80	1.5			5	2
49		-98		25			X	25	2200	7.00%	220	125	80	0.5			X	X
50		-100		30			X	55	1950	9.45%	330	310	70	1.5			110	X
51		-102		20			X	45	2150	9.35%	395	230	210	1.5			5	X
48552		-10[illegible]		25			X	50	4650	11.5 %	650	230	400	0.5			20	X

E.L. 1/62

COLEBROOK HILL ADIT SAMPLING DATA

704089

Adit ..Olympic..2 Level.. Collar Grid Coordinates ..........N..........E. Date ..Jan..82.....

SAMPLE NUMBER	LOCATION			Metal Content (p.p.m. unless specified)															
	Development	Interval	Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
48553	MAIN XC	-106	CHIP	65			10	65	1700	9·10%	325	200	360	1·5			20	[illegible]
54		-108		65			X	60	940	9·35%	330	185	240	2·0			25	
55		-110		50			X	35	1700	9·25%	445	200	100	1·5			110	
56		-112		35			X	65	1200	8·90%	455	270	80	0·5			15	[illegible]
57		-114		45			X	65	1350	7·65%	80	170	40	1·0			X	[illegible]
58		-116		30			X	80	2350	9·10%	195	215	60	2·0			10	[illegible]
59		-118		25			X	55	1200	4·90%	140	175	27	1·0			5	[illegible]
60		-120		30			X	85	1100	8·55%	165	255	38	1·0			X	
61		-122		10			X	95	1150	8·85%	150	280	12	1·0			5	[illegible]
62	100S	0-2		20			X	65	8450	17·5 %	530	480	710	1·5			110	[illegible]
63		-4		25			X	55	9500	16·0 %	350	1900	580	4·5			280	[illegible]
64		-6		30			X	75	4050	9·35%	330	250	250	2·0			35	[illegible]
65	106N	0-2		50			10	65	6400	16·5 %	855	295	600	5·0			90	[illegible]
66		-4		35			X	50	2850	8·50%	630	175	370	2·5			205	[illegible]
67	82SEDR	82-4		85			X	80	1850	16·5 %	1250	170	410	1·0			40	[illegible]
68		-86		660			X	75	2150	13·5 %	840	165	270	1·5			20	[illegible]
69		-88		820			X	65	4450	12·5 %	830	225	210	1·5			35	[illegible]
70		-90		340			10	85	3950	15·5 %	960	330	170	2·5			155	[illegible]
71		-92		85			X	45	2750	12·0 %	430	415	100	0·5			10	[illegible]
72		-94		55			X	50	2300	12·5 %	200	330	70	0·5			X	[illegible]
73		-96		30			X	45	3050	13·5 %	165	325	50	1·0			5	[illegible]
74		-98		40			X	55	3400	9·20%	475	300	160	X			X	[illegible]
75		-100		70			X	60	4950	13·5 %	515	280	280	1·0			10	X
76		-102		45			X	50	3950	8·95%	285	300	100	0·5			5	X
77		-104		20			X	75	2650	8·75%	145	265	60	X			X	X
48578		-105		45			X	115	2850	9·85%	200	245	140	X			X	X

E.L. 1/62 COLEBROOK HILL ADIT SAMPLING DATA 704090

Adit Olympic 2 Level Collar Grid Coordinates ..........N..........E. Date Jan. 82

SAMPLE NUMBER	LOCATION: Development	LOCATION: Interval	LOCATION: Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
48579	95S	0-2	CHIP	25			X	70	2500	9.70%	275	440	70	X			15	X
80		-4		25			X	70	1900	9.20%	280	350	50	1.0			X	X
81	95N	FACE		25			X	50	2300	9.25%	245	295	70	0.5			X	X
82	W STOPE			7100	3650	X	65	95	2000	22.5 %	2550	200	580	4.5	X		65	22
83	STOPE			140			X	75	1950	17.5 %	920	215	510	3.0			50	X
84				55			X	66	3350	14.5 %	760	220	200	2.0			55	6
85	S STOPE			65			X	50	3350	14.0 %	645	315	220	3.0			70	X
86	CUDDY W			130			30	60	9600	22.5 %	1150	375	370	3.5			60	X
87	CUDDY S			25			X	60	635	12.5 %	395	295	240	2.0			65	X
88	CUDDY E			65			30	85	2550	20.0 %	1300	275	280	1.5			35	2
89	PILLAR S			130			X	60	2850	17.5 %	775	280	460	3.5			115	4
90	PILLAR W			210			15	50	1750	22.5 %	1300	360	420	2.5			65	110
91	82SE DR	92-4	VEIN	36600	5600	45	90	165	960	50.5 %	4150	235	2000	1.0	0.5		185	990
92	82SE DR	00-2	VEIN	10400	1150	5	35	110	3.10%	36.5 %	3900	370	1800	2.5	1.0		35	84
93	NEXC	0-2	CHIP	15			X	80	2200	16.5 %	280	2500	190	9.5	0.5		215	X
94		-4		5			X	50	2650	19.5 %	260	1650	250	16.0	1.0		160	X
95		-6		15			X	55	4450	12.5 %	400	1350	630	8.0	0.5		175	X
96		-8		40			X	65	5100	17.0 %	495	325	760	8.5	0.5		65	4
97		-10		45			20	85	5300	14.5 %	700	155	590	9.0	1.0		20	2
98	NEXC	FACE		35			X	115	1450	14.5 %	275	130	310	6.5	0.5		15	X

Metal Content (p.p.m. unless specified)

E.L. 1/62 COLEBROOK HILL ADIT SAMPLING DATA 704091

Adit ..Olympic..3B.Level. Collar Grid Coordinates ..........N.........E. Date .Jan.82.......

SAMPLE NUMBER	LOCATION Development	Interval	Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
42522	XC	-106	CHIP	20			x	40	915	10·0%	155	145	130	1·5	x		x	x
23		-108		25			x	45	2850	11·0%	470	175	200	1·5	1·5		x	x
24		-110		35			x	130	7150	19·0%	2300	235	2100	2·5	1·0		x	120
25		-112		45			x	85	5250	16·0%	1900	220	1900	2·5	0·5		x	28
26		-114		30			10	95	2200	21·0%	1800	145	2400	2·0	1·0		50	400
27		-116		30			10	55	1450	10·5%	660	135	270	64·0	0·5		x	x
28		-118		25			x	45	1250	10·0%	580	90	210	1·0	0·5		x	2
29		-120		20			x	50	2500	10·5%	1350	100	380	2·0	1·5		x	x
30		-122		25			x	55	3550	11·0%	1550	100	560	0·5	1·5		x	x
31		-124		30			x	55	2950	12·5%	970	105	490	1·5	1·0		5	x
32		-126		15			x	75	2550	12·0%	170	100	180	1·5	0·5		x	x
33		-128		10			x	120	2550	11·0%	130	115	150	x	0·5		x	x
34		-130		9			x	85	2150	10·0%	65	105	120	1·5	1·5		5	x
35		-132		20			x	80	860	11·0%	335	85	50	x	0·5		20	4
36		-134		10			x	50	1050	8·75%	390	80	34	x	0·5		55	x
37		-136		10			x	70	1650	8·20%	35	75	17	x	0·5		x	x
38		-138		6			x	55	1200	7·90%	30	70	34	x	1·0		110	x
39		-140		5			x	65	1500	8·35%	25	90	25	x	0·5		110	x
40		-142		x			15	50	1050	7·30%	35	70	5	x	x		x	x
41		-144		x			x	60	2250	8·65%	500	90	44	x	0·5		x	x
42		-146		20			x	63	1800	8·00%	545	90	5	x	1·0		110	x
43		-148		15			x	80	3400	12·0%	340	130	4	1·5	x		110	x
44		-150		x			x	115	2000	9·25%	270	90	19	1·5	x		5	x
45		-152		8			x	110	2800	9·15%	125	100	34	1·0	x		x	x
46		-154		15			x	85	2250	9·25%	100	110	23	1·5	x		x	x
42547		-156		15			x	50	1900	8·75%	50	125	30	0·5	x		x	x

E.L. 1/62 — COLEBROOK HILL ADIT SAMPLING DATA — 704092

Adit .Olympic. 3B Level... Collar Grid Coordinates ..........N.........E. Date Jan. 82.....

SAMPLE NUMBER	LOCATION: Development	LOCATION: Interval	LOCATION: Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
42548	XC	-158	CHIP	20			X	60	1750	8·40%	230	135	22	1·0	0·5		X	
49		-160		15			X	95	1250	6·60%	225	90	23	1·5	X		X	
50		-162		10			X	105	1750	8·45%	190	105	26	1·5	X		X	
51		-163		7			X	130	2000	9·75%	30	100	24	1·0	0·5		5	
52	SEDRAT	2		100			35	105	495	11·5%	3500	40	1·81%	1·5	5·5		15	20
53		4		90			45	155	95	15·5%	3100	35	1·15%	2·0	X		X	25
42554		FACE		50			X	130	75	24·5%	2350	40	1·60%	1·5	X		5	13

NORTH WALL SAMPLED

E.L. 1/62 COLEBROOK HILL ADIT SAMPLING DATA 704093

Adit . Olympic 3B Level . Collar Grid Coordinates ..........N..........E. Date Jan. 82.....

SAMPLE NUMBER	LOCATION Development	Interval	Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
				Metal Content (p.p.m. unless specified)														
42163	ADIT X C	0-2	CHIP	25			X	5000	1250	17·0%	195	355	4800	X	X		5	
64		-4		25			X	6050	705	12·5%	110	250	580	X	0·5		X	4
65		-6		20			X	4100	660	10·5%	130	180	530	X	X		5	4
66		-8		30			X	975	250	11·5%	245	100	1000	X	X		5	2
67		-10		20			X	700	325	14·5%	455	100	1200	X	X		10	X
68		-12		85			25	170	650	17·5%	1700	100	1600	1·0	X		X	4
69		-14		70			60	145	1050	14·0%	625	85	460	X	X		5	X
70		-16		65			45	90	890	13·5%	590	95	340	X	X		5	X
71		-18		25			X	160	675	13·0%	900	75	1400	X	X		20	X
72		-20		15			X	140	580	13·5%	860	75	4000	0·5	X		115	4
73		-22		30			X	115	520	17·0%	1750	75	5200	1·5	X		65	20
74		-24		30			X	165	1050	15·5%	920	100	900	0·5	X		110	44
42175		-26		45			X	115	610	15·5%	560	80	530	2·5	X		55	6
42183		-28		30			X	85	555	16·0%	420	65	150	X	X		5	X
84		-30		30			15	135	525	16·5%	710	60	1100	0·5	0·5		X	8
85		-32		45			10	90	560	16·0%	600	65	490	X	X		5	102
86		-34		30			X	45	435	17·5%	810	60	2900	1·5	X		X	2
87		-36		65			25	105	300	17·0%	2400	60	4900	2·5	X		5	46
88		-38		120			X	75	365	19·0%	2100	55	3600	1·0	X		10	310
89		-40		120			10	65	460	17·5%	1750	60	4000	2·0	X		X	96
90		-42		75			35	90	530	15·0%	1600	85	6100	3·0	0·5		115	70
91		-44		110			50	180	85	14·5%	2400	20	2·2%	2·5	0·5		X	112
92		-46		100			30	110	635	18·5%	1400	80	6200	1·5	X		5	60
93		-48		30			10	95	695	18·0%	520	85	4200	0·5	X		5	2
94		-50		30			X	110	690	20·0%	630	130	9800	1·0	X		5	8
42195		-52		25			X	70	795	15·5%	520	100	1800	1·0	X		X	4

E.L. 1/62 COLEBROOK HILL ADIT SAMPLING DATA 704094

Adit .Olympic 3B. Level. Collar Grid Coordinates ..........N..........E. Date Jan. 82.......

SAMPLE NUMBER	LOCATION Development	Interval	Type	Metal Content (p.p.m. unless specified) Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
42196	XC	52-4	CHIP	50			X	60	750	15.5%	535	115	5500	1.0	x		x	[illegible]
97		-56		40			10	25	540	9.1%	335	105	600	1.0	x		10	x
98		-58		55			X	50	715	13.0%	685	80	1500	3.0	x		x	[illegible]
99		-60		45			50	50	495	13.5%	880	70	8800	2.0	0.5		x	[illegible]
42200		-62		45			15	70	1150	12.5%	505	95	3600	2.0	x		25	x
42501		-64		15			X	85	3150	12.0%	435	115	670	1.5	0.5		X	x
2		-66		40			X	85	1400	11.5%	630	105	460	2.0	1.0		15	x
3		-68		25			X	160	1550	17.5%	900	145	630	2.0	X		X	x
4		-70		45			X	135	1550	14.0%	815	150	700	1.5	X		X	x
5		-72		6			X	90	1150	10.5%	175	265	100	1.0	X		5	x
6		-74		5			X	75	4650	12.5%	330	215	180	1.5	1.5		X	x
7		-76		5			X	70	3550	12.0%	535	130	450	2.0	X		10	x
8		-78		8			X	55	1550	13.5%	465	170	100	1.0	X		15	x
9		-80		X			X	45	2900	14.0%	430	115	90	1.0	0.5		15	x
10		-82		X			X	50	1700	12.0%	360	145	41	1.5	X		X	x
11		-84		7			X	55	1450	11.0%	385	240	110	1.5	X		35	x
12		-86		15			X	55	8400	10.5%	900	255	350	2.5	0.5		125	x
13		-88		X			X	65	3250	11.0%	560	150	240	2.0	0.5		5	x
14		-90		15			X	95	3900	12.5%	535	125	210	2.0	0.5		X	x
15		-92		20			25	55	2550	10.5%	505	215	440	0.5	0.5		X	x
16		-94		15			X	90	2500	10.0%	600	155	280	4.0	1.0		X	118
17		-96		15			X	70	1900	17.5%	860	270	600	2.0	0.5		55	128
18		-98		10			X	55	2150	10.0%	470	180	410	4.5	X		X	X
19		-100		20			X	55	1750	10.5%	485	215	90	2.0	1.0		X	X
20		-102		15			X	65	5600	11.0%	375	205	250	2.5	1.0		5	X
42521		-104		5			X	55	1100	10.5%	130	170	110	1.0	0.5		X	X

E.L. 1/62

COLEBROOK HILL ADIT SAMPLING DATA

704095

Adit ..Athenic 1 Level.. : Collar Grid Coordinates ..........N..........E. Date ..Feb. 82......

SAMPLE NUMBER	LOCATION: Development	Interval	Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
48675	MAIN XC	0-2	CHIP	1100	950	X	X	85	1700	17·0%	435	140	190	X	X		10	1
76		-4		85			X	75	1950		105	130	15	X	X		20	
77		-6		15		X	X	70	3650	7·65%	165	175	13	X	X		25	
78		-8		15			X	80	3950	8·80%	115	185	6	0·5	X		30	
79	PORTAL	0-2		20			X	100	2050	9·15%	170	125	19	0·5	X		20	
80		-4		15			X	70	1450	8·55%	65	140	11	X	X		30	
81		-6		100			X	120	710	8·55%	45	115	12	X	X		20	
48682		-8		25			X	135	840	8·55%	45	120	14	X	X		15	
48693	CUDDY AT	2	VEIN	1·0%	1350	X	90	70	1350	42·5%	2950	55	500	1·0	1·0		60	9.

NORTH WALL SAMPLED

NOT SAMPLED EAST 6m [illegible]

E.L. 1/62 COLEBROOK HILL ADIT SAMPLING DATA 704096

Adit ..Athenic.'.2 Level.. Collar Grid Coordinates ..........N.........E. Date .Jan...82.....

SAMPLE NUMBER	LOCATION Development	Interval	Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
48654	SEDRAT	16	CHIP	8400	6300	20	30	105	1100	26·5%	4000	115	1·05%	1·0	3·0		15	20[illegible]
55		18		1·33%	4950	25	60	100	530	17·0%	1450	25	8400	X	1·0		10	25[illegible]
56		20		4100	3300	5	40	125	1150	20·5%	1750	180	3800	X	0·5		60	8[illegible]
57		22		1800	1450	5	30	90	430	16·0%	615	65	3700	X	X		10	2[illegible]
58		24		2500	2200	5	60	75	705	14·5%	2850	85	1500	X	1·0		5	44
59		26		1100	835	10	20	80	805	14·5%	495	95	590	1·0	X		15	14
60		28		420			30	105	1100	16·5%	580	80	1000	1·5	X		5	22
61		30		210			15	85	870	12·5%	550	90	420	0·5	X		5	[illegible]
62		32		1100	925	X	30	110	2650	14·5%	1950	185	590	1·5	X		10	44
63		34		2700	1650	5	30	110	5400	14·5%	795	95	2700	2·0	X		5	28
64	NEXC	0-2		60			X	90	2650	11·5%	570	230	150	1·5	X		75	X
65		-4		260			X	65	8150	18·5%	1300	210	19	1·0	X		X	X
66		-6		2500	1150	X	30	75	3950	14·5%	1050	105	1700	1·5	X		15	32
67		-8		90			20	150	2350	14·5%	725	110	550	1·0	X		X	4
68		-10		120			15	80	6750	17·0%	1150	190	1200	0·5	X		5	X
69		-12		900			20	110	2·85%	18·5%	1650	290	1600	0·5	0·5		10	2
70		-14		2·80%	2·00%	75	70	80	1200	16·5%	720	105	350	0·5	X		X	2
71		-16		3800	3350	5	30	70	3350	15·5%	880	125	1400	0·5	1·0		X	22
72		-18		1650	1300	5	X	50	1750	12·5%	740	195	270	1·0	X		10	4
73		-19		45			X	105	4550	13·0%	545	210	110	X	0·5		5	X
48674	SEDRAT	26		1600	1300	X	30	80	565	12·0%	775	70	470	X	0·5		X	12

ADITXC WEST WALL SAMPLED
SEDR BOTH WALLS AND BACK SAMPLED
NEXC EAST WALL SAMPLED

E.L. 1/62 COLEBROOK HILL ADIT SAMPLING DATA 704097

Adit Athenic 2 Level Collar Grid Coordinates 5.370.875 N 374.766 E. Date Jan. 82

SAMPLE NUMBER	LOCATION: Development	Interval	Type	Metal Content (p.p.m. unless specified): Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
48628	MAIN XC	0-2	CHIP	180			X	100	2300	12.5 %	245	150	14	1.0	X		15	
29		-4		15			X	95	1400	9.00%	180	165	4	1.5	X		X	
30		-6		20			10	75	1700	9.75%	175	165	2	0.5	X		X	
31		-8		25			X	90	2650	11.0 %	80	205	3	1.5	X		15	
32		-10		35			20	95	800	9.00%	120	205	4	1.0	X		5	
33		-12		3300	2550	25	10	130	390	15.5 %	900	160	22	1.5	X		20	[illegible]
34		-14		30			X	115	410	12.0 %	350	200	40	0.5	X		10	[illegible]
35		-16		20			X	70	320	11.0 %	395	165	40	1.5	X		15	[illegible]
36		-18		60			X	140	385	11.0 %	455	145	60	2.0	X		80	[illegible]
37		-20		20			X	30	1050	4.55%	130	60	30	5.0	X		80	[illegible]
38		-22		45			X	50	760	8.45%	215	120	60	3.0	X		35	[illegible]
39		-24		30			X	85	1750	9.85%	300	175	60	1.0	X		75	[illegible]
40		-26		150			X	95	1300	15.0 %	315	215	170	2.5	X		50	[illegible]
41		-28		920			20	65	1200	20.0 %	750	125	140	1.0	X		15	12
42		-30		270			15	165	1100	14.5 %	870	80	320	X	0.5		X	8
43		-32		1500	1400	X	30	90	675	16.5 %	1350	70	1400	1.0	X		10	50
44		-34		1.14%	7650	25	60	75	470	14.0 %	1350	50	3500	0.5	X		10	92
45		-36		1350	1050	X	50	110	1100	16.0 %	1400	80	1400	X	X		5	1.8
46		-38		1450	1250	15	30	125	1250	17.0 %	570	110	280	0.5	X		5	32
47	SEPRAT.	2	CHIP	5200	3400	40	30	105	645	22.5 %	1850	75	7800	1.5	6.0		10	142
48		4		3.46%	9000	10	90	115	420	19.0 %	1950	80	7900	X	X		20	212
49		6		2.03%	1.50%	75	80	90	510	15.0 %	2100	55	4600	1.0	X		10	328
50		8		1.62%	6550	25	60	100	1550	16.5 %	1950	70	4700	1.0	1.0		15	308
51		10		1.08%	8500	20	50	80	560	15.5 %	1200	60	6500	0.5	X		X	86
52		12		1.70%	1.35%	15	30	90	640	19.5 %	1900	70	6700	0.5	X		10	262
48653		14		1.32%	1.05%	60	80	120	825	16.5 %	660	85	1500	1.0	0.5		5	47

E.L. 1/62 — COLEBROOK HILL ADIT SAMPLING DATA — 704098

Adit ...ATHENIC... 3A. Collar Grid Coordinates ..........N..........E. Date ....

SAMPLE NUMBER	LOCATION: Development	LOCATION: Interval	LOCATION: Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
42154	ADIT DR	52-4	CHIP	20			X	65	635	11·5%	110	165	19	X	X		5	4
55		66		15			X	65	385	10·0%	95	155	12	0·5	X		5	x
56		58		10			X	50	415	10·0%	95	140	17	X	X		30	x
57		60		25			X	35	505	7·75%	60	90	24	3·5	X		20	x
58		62		15			X	30	2050	12·0%	145	210	33	1·5	X		105	x
59		64		30			X	75	3750	19·5%	215	325	66	3·5	X		230	x
60		66		25			X	65	4050	14·5%	155	245	29	4·5	X		300	x
61		68		15			X	65	2950	11·5%	115	370	18	2·0	0·5		370	x
42162		69		15			X	85	5400	13·0%	120	495	18	3·0	X		865	x

Metal Content (p.p.m. unless specified)

EAST WALL SAMPLED

E.L.: 1/62 COLEBROOK HILL ADIT SAMPLING DATA 704099

Adit ..ATHENIC....3A.. Collar Grid Coordinates 5.370.95.4.N 374752..E. Date ..Feb..82.....

SAMPLE NUMBER	LOCATION: Development	Interval	Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
42128	ADIT DR	0-2	CHIP	35			X	300	3400	11·5%	290	285	80	1·0	0·5		40	x
29		-4		40			X	420	1050	15·0%	345	235	110	1·0	X		30	4
30		-6		35			X	290	1250	12·5%	650	280	480	0·5	X		30	x
31		-8		55			X	90	1800	12·0%	325	235	100	X	X		30	8
32		-10		50			X	80	735	7·40%	175	125	90	5·0	0·5		35	x
33		-12		150			10	115	2000	11·5%	295	285	150	0·5	X		40	x
34		-14		50			10	65	2650	14·5%	200	205	70	1·0	X		30	x
35		-16		25			X	135	1300	13·5%	170	280	41	0·5	0·5		10	2
36		-18		25			X	110	1150	13·5%	150	235	24	1·5	X		20	x
37		-20		20			X	110	2500	9·90%	150	190	50	X	X		15	x
38		-22		30			X	135	5300	15·0%	230	310	130	X	0·5		10	x
39		-24		15			X	75	1950	9·45%	145	295	39	2·0	X		20	x
40		-26		20			X	50	560	7·95%	110	310	20	2·0	X		20	x
41		-28		5			X	75	405	11·5%	70	440	11	2·5	X		90	x
42		-30		25			X	60	565	9·95%	135	380	12	1·5	X		70	x
43		-32		20			X	55	555	9·65%	130	350	7	1·0	X		35	x
44		-34		20			X	95	2450	11·0%	180	330	31	3·0	X		40	x
45		-36		15			X	55	3550	11·5%	145	195	12	1·0	X		15	x
46		-38		9			X	60	415	9·65%	60	140	7	1·5	X		10	x
47		-40		8			X	80	2600	12·5%	120	155	5	0·5	X		15	x
48		-42		7			X	70	1750	11·0%	120	170	6	1·0	X		5	x
49		-44		8			X	80	1050	11·5%	130	175	6	0·5	X		10	x
50		-46		9			X	85	1200	11·5%	90	175	3	X	X		10	x
51		-48		15			X	90	1500	11·5%	100	145	8	X	X		10	x
52		-50		15			X	50	400	8·85%	70	120	11	1·0	X		15	x
42153		-52		15			X	65	615	12·0%	85	150	14	X	X		X	2

E.L. 1/62 COLEBROOK HILL ADIT SAMPLING DATA 704100

Adit ATHENIC ... 3B .... Collar Grid Coordinates 5370.996 N 374.829 E. Date FEB. 82 ....

SAMPLE NUMBER	LOCATION: Development	Interval	Type	Metal Content (p.p.m. unless specified): Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
42101	ADIT XC	0-2	CHIP	140			X	60	2150	14·5%	175	160	60	X	X		5	X
2		-4		45			X	55	4250	12·5%	510	155	50	X	X		10	X
3		-6		55			X	60	3500	13·0%	270	150	50	X	0·5		10	X
4		-8		85			X	70	1750	12·5%	155	155	29	X	X		X	X
5		-10		280			X	65	1650	13·5%	110	155	25	X	X		10	X
6		-12		160			X	95	5705	8·90%	415	120	50	1·0	X		5	X
7		-14		140			X	55	1950	9·30%	190	140	12	X	X		15	X
8		-16		65			X	55	2200	8·95%	210	130	19	X	X		X	X
9		-18		60			X	60	1850	9·70%	70	110	14	X	0·5		5	X
10		-20		270			X	70	1700	13·5%	90	105	40	X	X		5	X
11		-22		490			X	60	1700	12·0%	295	120	14	X	X		5	X
12		-24		270			X	50	1450	11·5%	135	115	13	X	X		5	X
13		-26		1100	900	5	X	60	1800	13·0%	235	125	8	X	0·5		5	X
14		-28		220			X	55	1150	9·70%	50	120	3	X	X		X	X
15		-30		95			X	50	1250	9·65%	20	115	5	X	X		10	X
16		-32		2300	1550	X	X	50	1550	11·5%	280	115	50	X	X		10	X
17		-34		40			X	50	1450	8·35%	100	140	6	X	X		10	X
18		-36		1100	825	X	X	50	830	8·80%	55	90	3	X	X		X	X
19		-38		2200	1650	5	X	80	1800	12·5%	95	130	12	X	X		5	X
20		-40		470			X	60	1950	12·0%	175	155	11	X	X		X	X
21		-42		95			15	50	1400	9·25%	65	105	29	X	X		X	X
22		-44		1400	990	25	30	80	1950	12·5%	235	135	13	0·5	X		10	X
23		-46		560			X	80	2250	9·35%	175	105	15	X	X		5	X
24		-48		80			X	60	1450	9·25%	50	110	4	X	X		X	X
25		-50		220			X	55	1200	9·25%	55	90	14	X	X		5	X
42126		-52		400			X	70	4000	9·45%	220	140	46	2·0	X		10	X

APPENDIX C C.M.S. Report 82/2/15

Petrographic descriptions of rocks from Olympic-Athenic Mine Area.

704102

Central Mineralogical Services

39 Beulah Road
Norwood, S.A. 5067
Telephone 42 5659

17 MAR 1982
T

The Manager
Attn. Chief Geologist
Electrolytic Zinc Co. of
Australasia Ltd.
West Coast Mines
P.O. Box 21
ROSEBERY / TAS. 7470

15th March, 1982

REPORT CMS 82/2/15

YOUR REFERENCE: Order No. 900338

DATE RECEIVED: 11th February, 1982

SAMPLE NOS.: 9 Samples

SUBMITTED BY: I.J. Mathison

WORK REQUESTED: Petrology

for

H.W. Fander, M. Sc.

704103

REPORT CMS 82/2/15

Nine specimens were received for petrological examination and, as the suite exhibits limited variations, brief descriptions were prepared in tabulated form. These incorporate data from stereobinocular and petrological microscopic examination of representative thin-sections and offcuts, supplemented by carbonate staining tests where applicable.

Summary

With the exception of 48219, which is a slumped pelite, the suite comprises entirely basic-intermediate volcanomict greywackes. In the absence of more diagnostic facies, these rocks appear quite typical of the Crimson Creek Formation and exhibit the characteristic, more or less pervasive chloritic alteration typical of Crimson Creek labile turbidites.

Contact-metamorphic/metasomatic effects, as developed for example at Renison, are generally absent. However, sample 48216 exhibits incipient phlogopitisation of marginal contact character. Similarly, 48218 exhibits patchy Fe-Mg chlorite/ankeritic carbonate alteration imprinted on the primary chlorite-calcite assemblage, and 48222 includes traces of schorl, monazite and ilmenite in quartz-chlorite veinlets of marginal granitic character.

The orientated sample (48219) exhibits apparent west-facing sedimentary structures. These are poorly diagnostic, however, due to slump-structures and intraformational disharmonic mesofolding with local reversals of weakly graded silty interbeds on thin-section scale.

D. Cowan, B. Sc.

ple	CMS 82/2/15 Classification - Composition	Fabric	Accessories	Central Mineralogical Services Comments
12 S. 60) 1m	Tuffaceous Greywacke. Framework of variably chloritised/calcitised basaltic lava clasts, subordinate albitised plagioclase, minor quartz grains. Hematite-calcite-stained chloritic matrix.	Turbidite-like, silty, fine to medium sand, sandy siltstone. Frequent chlorite-calcite-quartz veinlets.	Abundant clastic opaques (hematite, martite), subordinate leucoxenic semi-opaques. Traces talc.	Strongly basic-volcanomict turbid[illegible] locally graded, but with bedding confused by pervasive displacive veinlets. No definite contact-meta morphic/metasomatic features.
14 3? m	Tuffaceous Greywacke. Framework of pervasively chloritised lava clasts, subordinate chlorite-sericite-stained albite, minor quartz grains with leucoxene-stained chlorite matrix.	Turbidite-like, slightly fine sandy siltstone, locally slumped. Minor chlorite(-quartz) veinlets.	Sparsely disseminated clastic opaques. Minor traces pyritised pyrrhotite.	Close affinities with 48212, relatively massive, finer-grained and relatively chloritised. Include rare intraclasts of chloritic labile pelite.
16 pic L ,0m	Tuffaceous Greywacke. Framework of chloritised lava clasts, subordinate albitised plagioclase minor quartz; hematite-stained chlorite matrix. Minor pale phlogopite clots, stainings.	Similar to 48214, but with frequent displacive chlorite veinlets, chloritic microfractures.	Conspicuous clastic hematite-martite, leucoxenic semi-opaques. Weak limonitic Fe-stainings.	Typical chloritic, basic-volcanomi[illegible] silty turbidite. Sparse phlogopite is partly weathered, optically ill defined, but of marginal contact-metasomatic character.
17 pic L 7m	Tuffaceous Greywacke. Framework of variably chloritised basic-intermediate lava clasts, subordinate quartz, minor albitised plagioclase. Chlorite matrix. Sparse felsitic "rhyolite" clasts.	Turbidite-like, weakly bedded, silty, fine to medium sandstone. Minor chlorite(-quartz) veinlets.	Conspicuous clastic martite-hematite, leucoxenic semi-opaques. Trace sericite.	Relatively intermediate(-acid) volcanomict greywacke. More or less pervasively chloritised.
18 pic L 2m	Tuffaceous Greywacke. Extensively chloritised/carbonated basic-intermediate lava clasts, subordinate quartz, albitised plagio-clase. Weakly carbonate-stained chlorite matrix.	Similar to 48217. Sporadic dolomite-chlorite(-quartz) veins, chlorite veinlets.	Conspicuous clastic opaques, leucoxenic semi-opaques, minor felsitic rhyolite clasts, rare muscovite flakes.	Relatively quartzose volcanomict wacke, similar to 48217. Early calcite-Mg chlorite assemblage par[illegible], altered to (vein-related) Fe-Mg chlorite/ankeritic dolomite.
19 pic m SEP	Sericite Slate. Sericite with varying proportions relict detrital silt-sized quartz, sericitic feldspar, leucoxenic semi-opaques, white mica flakes.	Laminated fine silty shale, shale with slumped argillaceous siltstone interbeds.	Minor chloritic microfaults (post-dating incipient slaty cleavage).	Arkosic, distally volcanomict pelite. Bulk of sedimentary struct[illegible] suggest West-facing (i.e. younging) but inconclusive due to slumps, disharmonic intrafolds.
21 pic 66m	Tuffaceous Greywacke. Chloritised, poorly determinate lava clasts, subordinate quartz grains, sericitic pelite clasts, minor albite; chloritematrix.	Turbidite-like, weakly bedded, silty, fine to medium sandstone. Minor chlorite veinlets.	Clastic opaques, leucoxenic semi-opaques, rare detrital mica flakes.	Typical chloritic volcanomict greywacke. Main contrast with 48212 etc. is the sporadic sericit[illegible] pelite (shale, quartzose siltstone) clasts.
22 pic B 3m	Tuffaceous Greywacke. Chloritised basic, chlorite-stained intermediate-acid lava clasts subordinate quartz, minor albite grains. Chlorite matrix. Frequent quartz-chlorite veins, veinlets.	Poorly sorted angular silty, fine to medium sandstone. Mildly displacive veins.	Clastic opaques, leucoxenic semi-opaques. Traces monazite, ilmenite, rare schorl (veinlets).	Typical chloritic volcanomcit greywacke with sporadic quartz-chlorite veins of marginal graniti[illegible] character. No detectable cassiterite.

163m

Central Mineralogical Services

Classification - Composition	Fabric	Accessories	Comments
Tuffaceous Greywacke. Chloritised/calcite-stained lava clasts, subordinate albitised plagioclase, minor quartz grains. Calcite-stained chlorite matrix. Minor calcite-chlorite veinlets.	Slightly medium sandy turbidite-like silty fine sandstone.	Clastic opaques, leucoxenic semi-opaques. Rare detrital muscovite.	Chloritised/calcitised volcanomict graywacke, devoid of "granitic" alteration features in contrast to 48222.

704105

APPENDIX D Geophysics

a) E.I.P. Profiles, Colebrook Hill
b) " " "
c) " " "

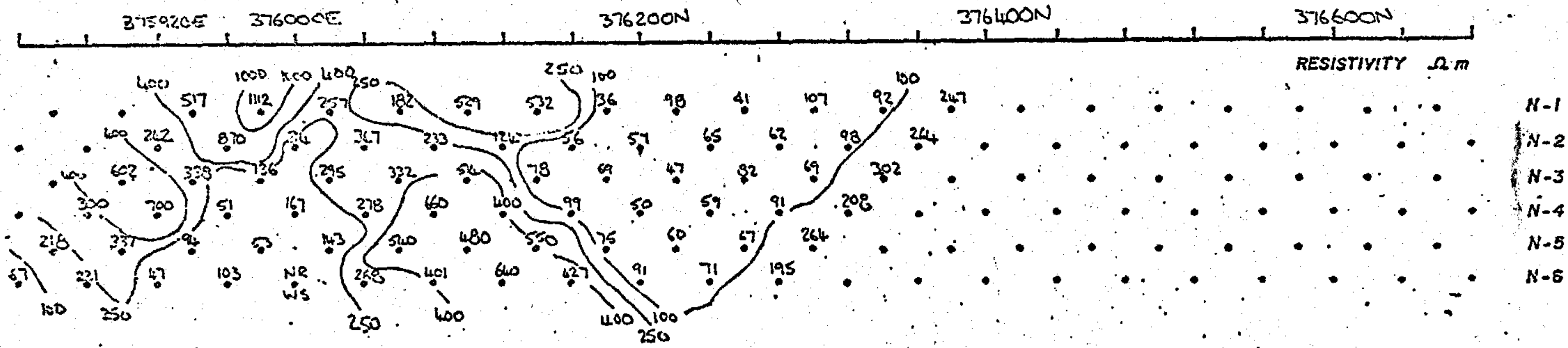
INDUCED POLARIZATION AND RESISTIVITY SURVEY

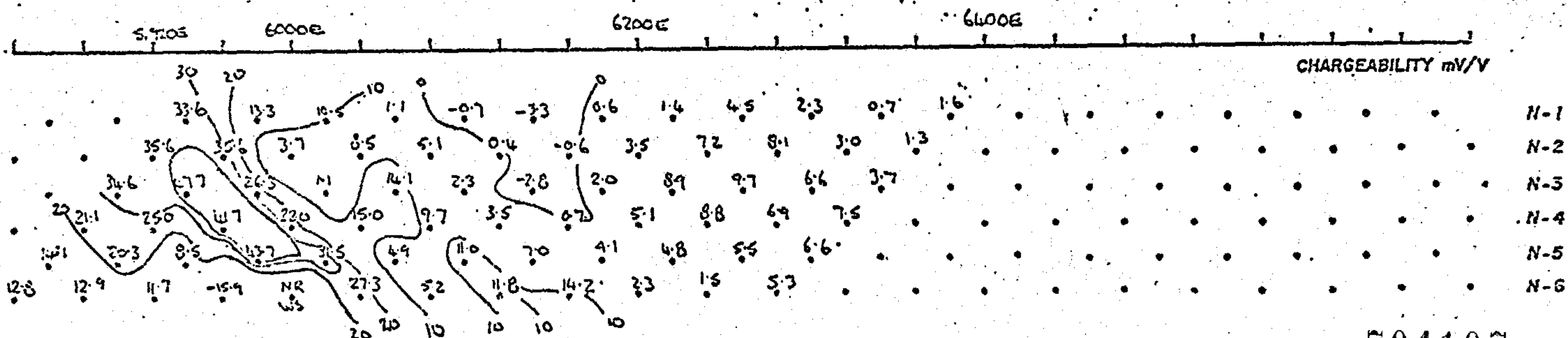
SURVEY BY : SCINTREX	PROSPECT : COLEBROOK HILL	DATE : 11·1·81
PLOTTED BY : PADDY DORNEY	LINE Nº : 5,369,700N	RECEIVER : IPR11 # 8011103
CREW LEADER : PADDY DORNEY	REF Nº :	PULSE : 2 SECOND

DIPOLE - DIPOLE SPACING = ~~80 METRES~~ 40

5 cm

SCALE ~~= 1 : 5000~~



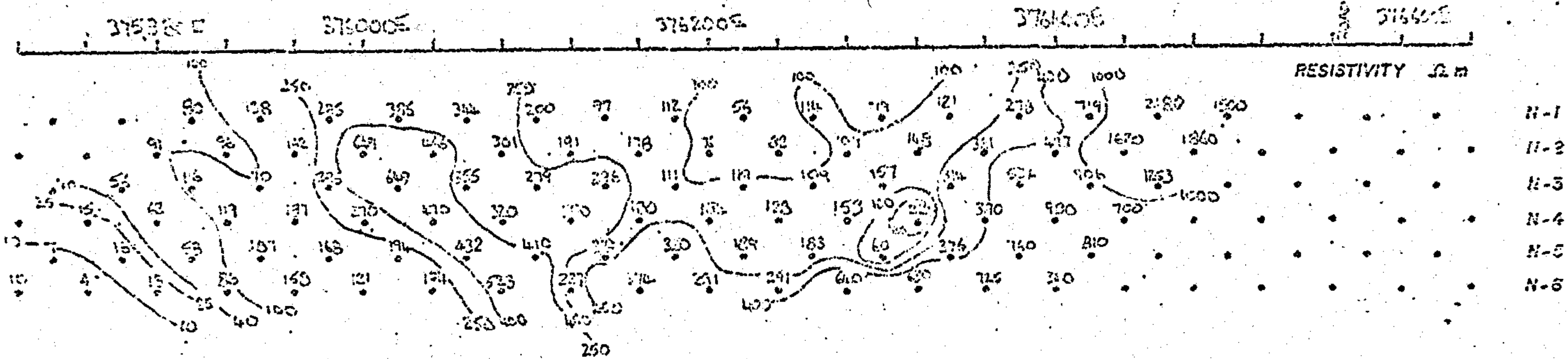


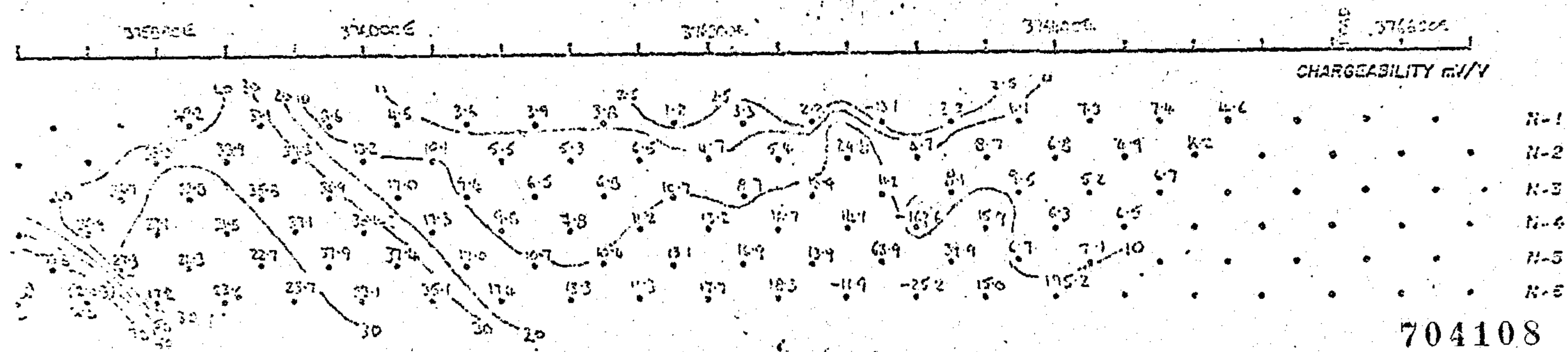
704107

INDUCED POLARIZATION AND RESISTIVITY SURVEY

SURVEY BY : SCINTREX	PROSPECT : COLEBROOK HILL	DATE : 10·1·82
PLOTTED BY : PADDY DORNEY	LINE No : 5,369,900 N	RECEIVER : [illegible]
CREW LEADER : PADDY DORNEY	REF No :	PULSE : [illegible]

DIPOLE – DIPOLE SPACING = ~~20~~ 40 METRES M_5 (6th SLICE)   5 cm   SCALE = ~~1:5000~~





704108

704109

INDUCED POLARIZATION AND RESISTIVITY SURVEY

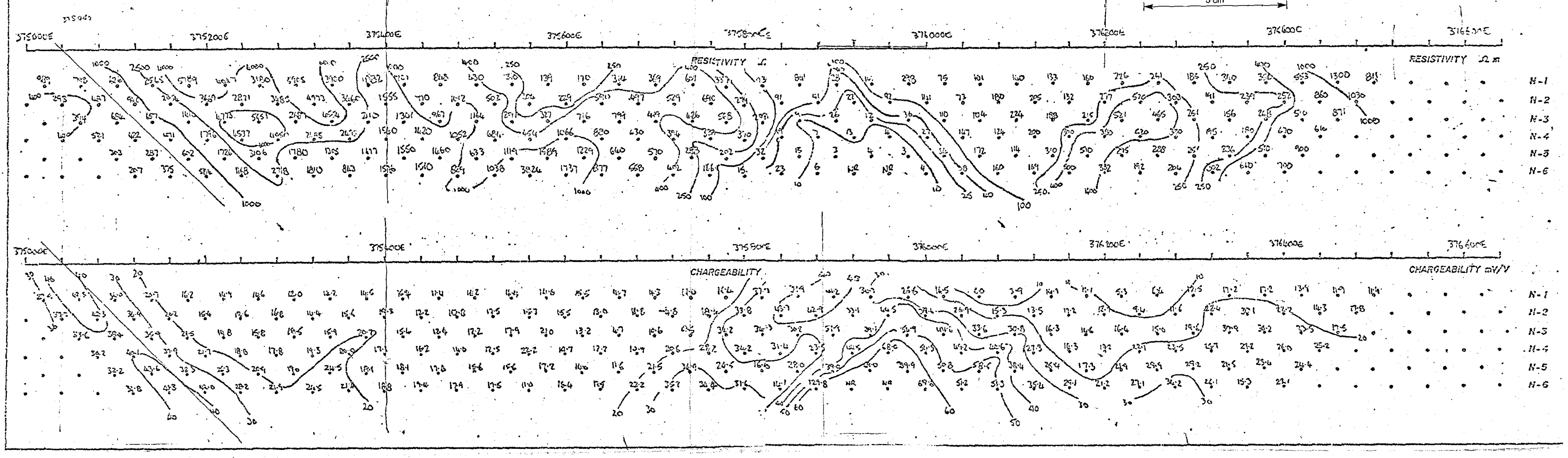
SURVEY BY : SCINTREX	PROSPECT : COLEBROOK	DATE : 17.12.81
PLOTTED BY :	LINE Nº : 5370 200N	RECEIVER : IPR 11
CREW LEADER :	REF Nº :	PULSE : 2 SECOND

DIPOLE - DIPOLE SPACING = 40 METRES SCALE = 1 : 5000

INDUCED POLARIZATION AND RESISTIVITY SURVEY

SURVEY BY : SCINTREX	PROSPECT : COLEBROOK HILL	DATE : 17.12.81
PLOTTED BY : PADDY	LINE Nº : 5370 200N	RECEIVER : IPR 11 801102
CREW LEADER : PADDY DORNEY	REF Nº :	PULSE : 2 SECOND

DIPOLE - DIPOLE SPACING = 40 METRES SCALE = 1 : 5000



APPENDIX E: Sirotem

704111

OPERATIONAL REPORT ON A
SIROTEM TRANSIENT EM SURVEY
AT
ROSEBERY, TASMANIA
FOR
ELECTROLYTIC ZINC COMPANY
OF AUSTRALASIA LIMITED

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1. INTRODUCTION

Between 9th and 11th April, 1982, a Downhole SIROTEM Transient EM survey was carried out at Rosebery, Tasmania for the Electrolytic Zinc Company of Australasia Limited. The Party leader was Niall Taylor. The purpose of this survey was to test the effectiveness of the SIROTEM method in detecting and delineating known conductors encountered in a drillhole in this area.

2. SURVEY EQUIPMENT

One MK II SIROTEM unit complete with cables and accessories.

One 25 mm. slimline downhole receiver probe.

One hand-driven winch with 500 metres of 4 conductor cable.

3. SURVEY DETAILS

The survey was done down drillhole 228 located at Colebrook Hill, south-east of Rosebery, Tasmania. Previous surveys over this drillhole indicated a strong VLF anomaly, a strong but noisy magnetic anomaly and some moderately favourable surface geochemistry results. It is reported that attempts to do induced polarisation in the area were generally unsuccessful because of the high ground conductivity.

The downhole logging was done using two transmitter loops, sequentially, on the surface, and lowering the probe down the hole taking readings at 5 metre intervals, from 10 metres below surface to 227 metres below surface, which was as far as the probe would penetrate. The transmitter loops were each 200 metres square, the first being located generally behind the drillhole and the second in front of the hole. The location of these loops is shown in Figure 1. However, when referring to this figure, it should be recognised that the terrain slopes at an angle of approximately 45° to the east of the drillhole, so that the coupling for the two transmitter loops is not quite what it may appear from the plan map.

Each reading comprised the stacking and averaging of 512 double pulses, that is, effectively 1024 decay curves. Statistical data on the averaging indicates that the noise level in the area is not high and that the data are very clean down to a level of a few microvolts per amp, and quite reasonable down to about .5 microvolts per amp. The current supplied to the transmitter loop was approximately 5 amps.

4. PRESENTATION OF RESULTS

The data are presented as voltage profiles at a scale of 1:500 for depth and a logarithmic scale of 4 cms. per cycle for the voltage response. These data are included in Plates 1 and 2.

5. INTERPRETATIVE COMMENTS

The most notable thing about the data gathered in this survey is the extremely high level of data and the slow decays throughout the holes, permitting data to be gathered down to 32 channels, which is a delay time of 165 milliseconds. This indicates generally very conductive rocks in the environment. The high conductivities are further

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evidenced in the coincident loop measurements which were taken on the two transmitter loops. These data are included as Plate 3 and show resistivities ranging from around 26 ohm-metres in the earliest channels, down to less than 1 ohm-metre in later channels. Such low resistivity would certainly account for the VLF anomaly detected at this location.

Apart from the high general conductivity, there are pertubations in the general pattern with both transmitter loops at about 30 metres and again in the area of 160 to 170 metres. These are locations at which mineralisation was intersected in the drillhole. A further interesting feature of this data is the reversal of the secondary field at a depth of 110 - 130 metres, the former depth being in transmitter loop one and the latter for transmitter two. This is presumably indicative of the migration of the half-space response outwards from the transmitter loop.

Respectfully submitted,
GEOEX PTY. LTD.

Andrew R. Dodds
A.R. DODDS
Senior Geophysicist

No: 82763
29th April, 1982
ARD/pcl

704116

A. SURVEY EQUIPMENT

The SIROTEM equipment consists of a console, power pack, loop cable and connecting leads. SIROTEM has been designed to measure the transient decay over a larger number of channels than other instruments of this type, and to later time delays than ever previously possible. The particular advantage of later times is the ability to record conductors underlying highly conductive overburden and/or highly conductive surrounding hosts. SIROTEM records the transient over 32 contiguous channels out to a maximum time delay of 165 milliseconds. Table 1 gives the specific delay times for each channel. The instrument is very sensitive and has a low inherent noise. It has a degree of ambient noise rejection capability due to its ability to stack up to 4096 (2^{12}) separate readings to obtain the output average. This is performed simultaneously over all channels so that the background noise is common to all channels at the time of measurement. The readings corrected for output current variation are produced automatically on a printer. As opposed to dial readings, they are thereby objective, operator independent and in ready hard-copy form.

The instrument also has a significant amount of in-built data processing capability due to the incorporation of a microprocessor. Thus apparent resistivities - the resistivity the ground would have, were it homogeneous, to yield the response measured - can optionally be printed out for each channel in addition to the voltages.

B. LOOP CONFIGURATIONS

The standard loop configurations used for SIROTEM surveys are diagrammed in Figure A1.

TABLE A1

CHANNEL DELAY TIMES AND INTEGRATION WIDTHS

Channel No.	Nominal Mean Delay (msecs)	Nominal Width (msecs)	Actual Integration Window (msecs)
1	0.4	0.4	0.25 - 0.6
2	0.8	0.4	0.65 - 1.0
3	1.2	0.4	1.05 - 1.4
4	1.6	0.4	1.45 - 1.8
5	2.0	0.4	1.85 - 2.2
6	2.6	0.8	2.25 - 3.0
7	3.4	0.8	3.05 - 3.8
8	4.2	0.8	3.85 - 4.6
9	5.0	0.8	4.65 - 5.4
10	5.8	0.8	5.45 - 6.2
11	7.0	1.6	6.25 - 7.8
12	8.6	1.6	7.85 - 9.4
13	10.2	1.6	9.45 - 11.0
14	11.8	1.6	11.05 - 12.6
15	13.4	1.6	12.65 - 14.2
16	15.8	3.2	14.25 - 17.4
17	19.0	3.2	17.45 - 20.6
18	22.2	3.2	20.65 - 23.8
19	25.4	3.2	23.85 - 27.0
20	28.6	3.2	27.05 - 30.2
21	33.4	6.4	30.25 - 36.6
22	39.8	6.4	36.65 - 43.0
23	46.2	6.4	43.05 - 49.4
24	52.6	6.4	49.45 - 55.8
25	59.0	6.4	55.85 - 62.2
26	68.6	12.8	62.25 - 75.0
27	81.4	12.8	75.05 - 87.8
28	94.2	12.8	87.85 - 100.6
29	107.0	12.8	100.65 - 113.4
30	119.8	12.8	113.45 - 126.2
31	139.0	25.6	126.25 - 151.8
32	164.6	25.6	151.85 - 177.4

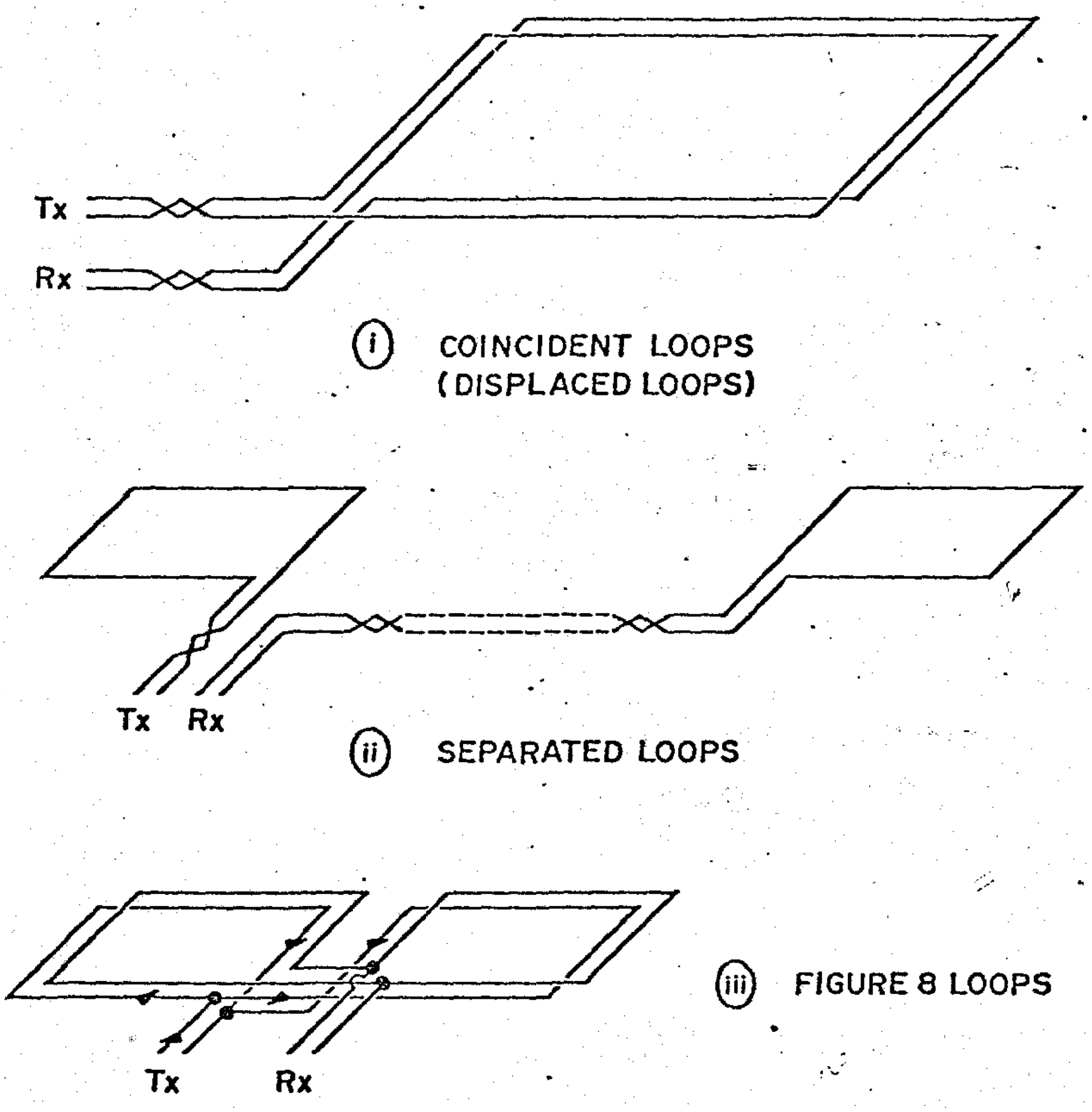


Figure A.1 Loop Configurations.

The most commonly used configuration for reconnaissance work is the coincident transmitter-receiver loop configuration. For this configuration, the transmitter and receiver loops are separated by a negligible distance or may even use the same wire. The loops are normally square with side length ranging from 25 - 200 metres, 100 metres being the most commonly used size. Adequate coverage is normally given by a station spacing of half the loop dimension, that is with a 50% overlap. Results of modelling studies, and experience, indicate that the depth penetration varies with the loop size and is, to an order of magnitude, equal to it. Thus with 100 metre square loops a depth penetration of the order of 100 metres can be expected.

The main advantages of the coincident loop configuration are that the wires are simple to move and thus a satisfactory data production rate can be achieved. Also the resulting data is relatively easy to interpret. The major disadvantage is that the configuration couples well with horizontal conductors, such as conductive overburden, so that the response from steeply dipping bedrock conductors can be swamped in the early channels. However. experience has shown that bedrock conductors usually result in satisfactory anomalies in the later channels, when the response from the overburden has died away. It might also be regarded as a disadvantage that the response for a narrow, steeply dipping conductor can be double-peaked, with a low response when the loops are directly over the conductor and high responses half a loop dimension to either side of the conductor itself. This can make the interpretation less obvious.

A variation of the coincident loop configuration has been devised for situations where the surface resistivities are very high or, more importantly, where strongly magnetic material is present in the immediate vicinity of the surface and close to the wires. This configuration is called the displaced loop configuration and is the same as coincident loops except that the transmitter and receiver loops are off-set from each other by a distance of approximately 2 metres. Although more cumbersome to use than the coincident loop configuration, this method has the advantage that the results are guaranteed free from the contaminating effects of near-wire materials, and thus encourage more confident and more detailed interpretation.

Another frequently used layout is the separated loop configuration, also shown in Figure A1. For this configuration the transmitter and receiver loops are separated by distance, ranging from 1-3 loop dimensions, the loops themselves being usually 50 or 100 metres square. The station interval varies from a half to one loop dimension.

The separated loop configuration is rather more cumbersome in field use than coincident loops and requires more wire laid out on the ground. However, it has the advantages that it couples less well with conductive overburden, at least in the early channels, and also produces an anomaly directly over the conductor, which can simplify interpretation considerably. It might be regarded as an advantage also that anomalies with this configuration have a negative polarity and frequently stand out more clearly with standard plotting techniques. A disadvantage of the configuration is that the response from a homogeneous or two-layer half space is more complex, with a change in polarity frequently occurring between early and late channels. Additionally the effect of a vertical or steeply dipping change in sub-surface resistivity can cause a response which looks like the anomaly from a discrete conductor.

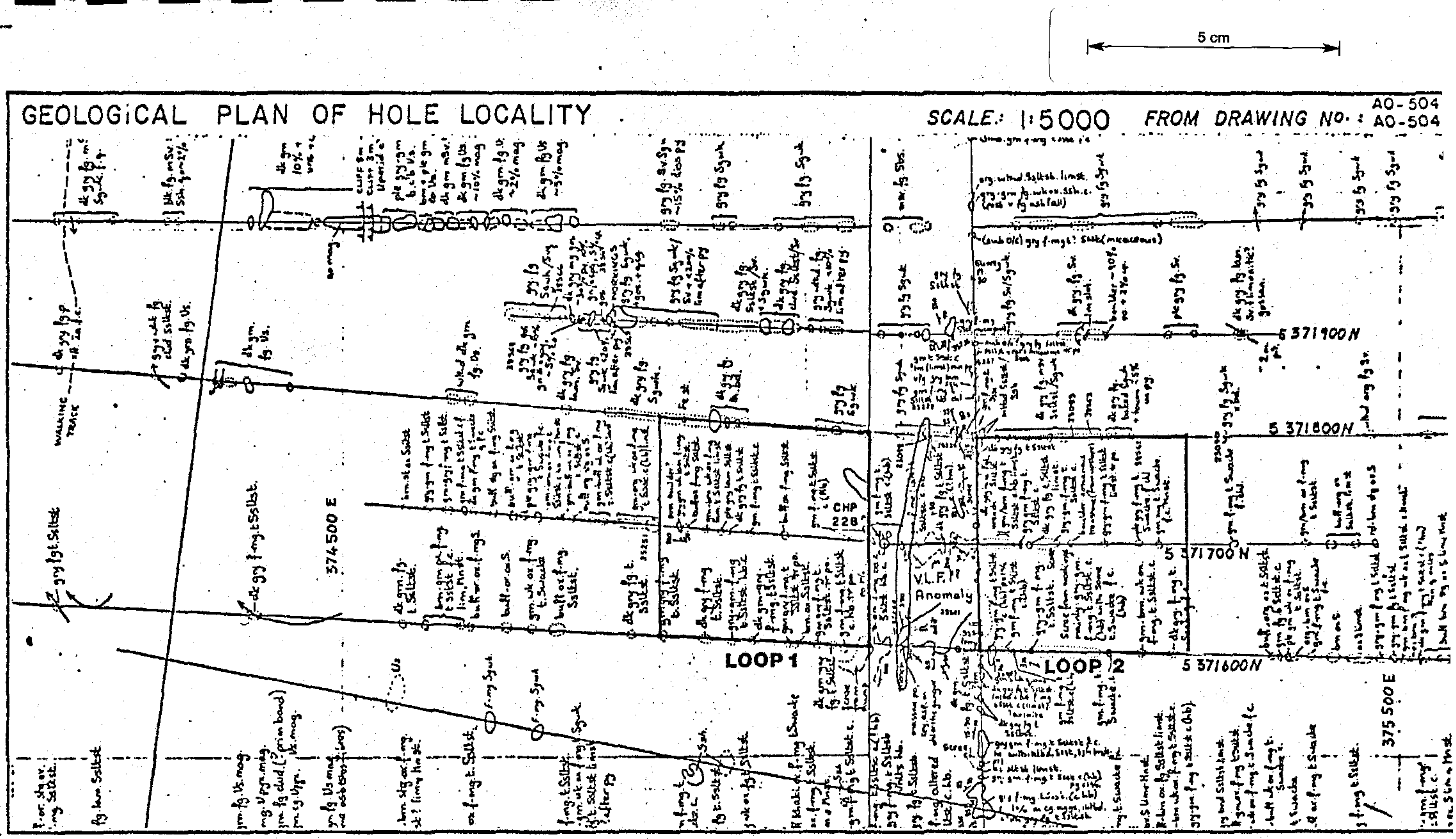
The third basic loop configuration, which is less commonly used, is the figure eight configuration, as shown in Figure A1-C. This configuration was designed specifically to maintain the advantages of coincident loops, but also increase the coupling to vertical conductors. The wires are coincident but have a more complex figure eight pattern. The configuration is, therefore quite cumbersome to use in the field, but has the advantages that vertical conductors couple rather better than with coincident loops and, most significantly, an anomaly is produced directly over the conductor, as well as minor anomalies on either side. This configuration is normally only used in detailing or specific interest situations.

C. DATA PRESENTATION FORMATS

The standard data presentation is of the instrument output of normalised transient voltages, in units of microvolt/amp, plotted as profiles for each line, with a linear horizontal distance scale and a logarithmic vertical voltage scale. This convention allows the full range of voltages to be plotted on a reasonable sized graph and still allows the major features on each decay profile to be easily seen. Error bars are plotted to show the range of recorded values for each station and each delay time and provide an estimate of the accuracy of the reading.

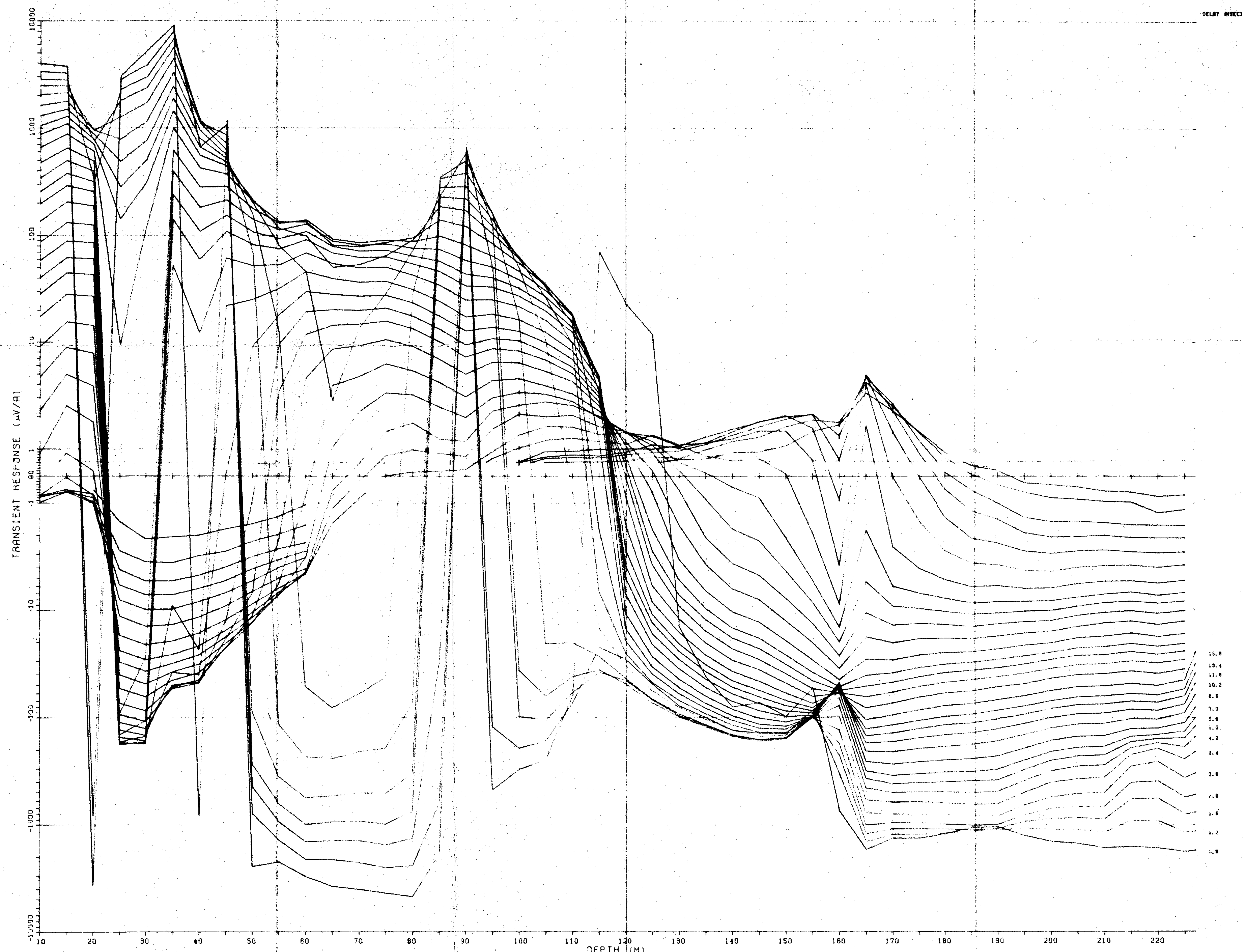
One disadvantage of the above plotting technique is that variations in the voltage level from channel to channel are not evident. This can be overcome by calculating the apparent resistivities and plotting these on a resistivity time-distance plot. The horizontal scale is again a linear distance scale. The vertical scale in this case plots the channel delay times on a logarithmic scale. The value of the apparent resistivity is plotted at the intersection of the station location and the relevant channel number, and the results then contoured. Since there is a relationship between the delay time and the depth penetration for a given reading, the resistivity time-distance plots provide the diagramatic representation of the resistivity layering in the ground in the absence of finite conductors.

It is also possible to plot the apparent resistivities for a given channel on a plan map, thereby showing the lateral variations over the whole grid of the response at a given time delay. On such plan contours the early channels tend to represent the near-surface or overburden resistivity variations while the later channels show more of the bedrock response and less response from the overburden.



704123

FIG. 1 TRANSMITTER LOOP LOCATIONS



704124

INSTRUMENT :SIROTEM
CONFIGURATION:200M SQUARE TRANSMITTER LOOP,
DRILL HOLE SURVEY
READING INTERVAL 5M

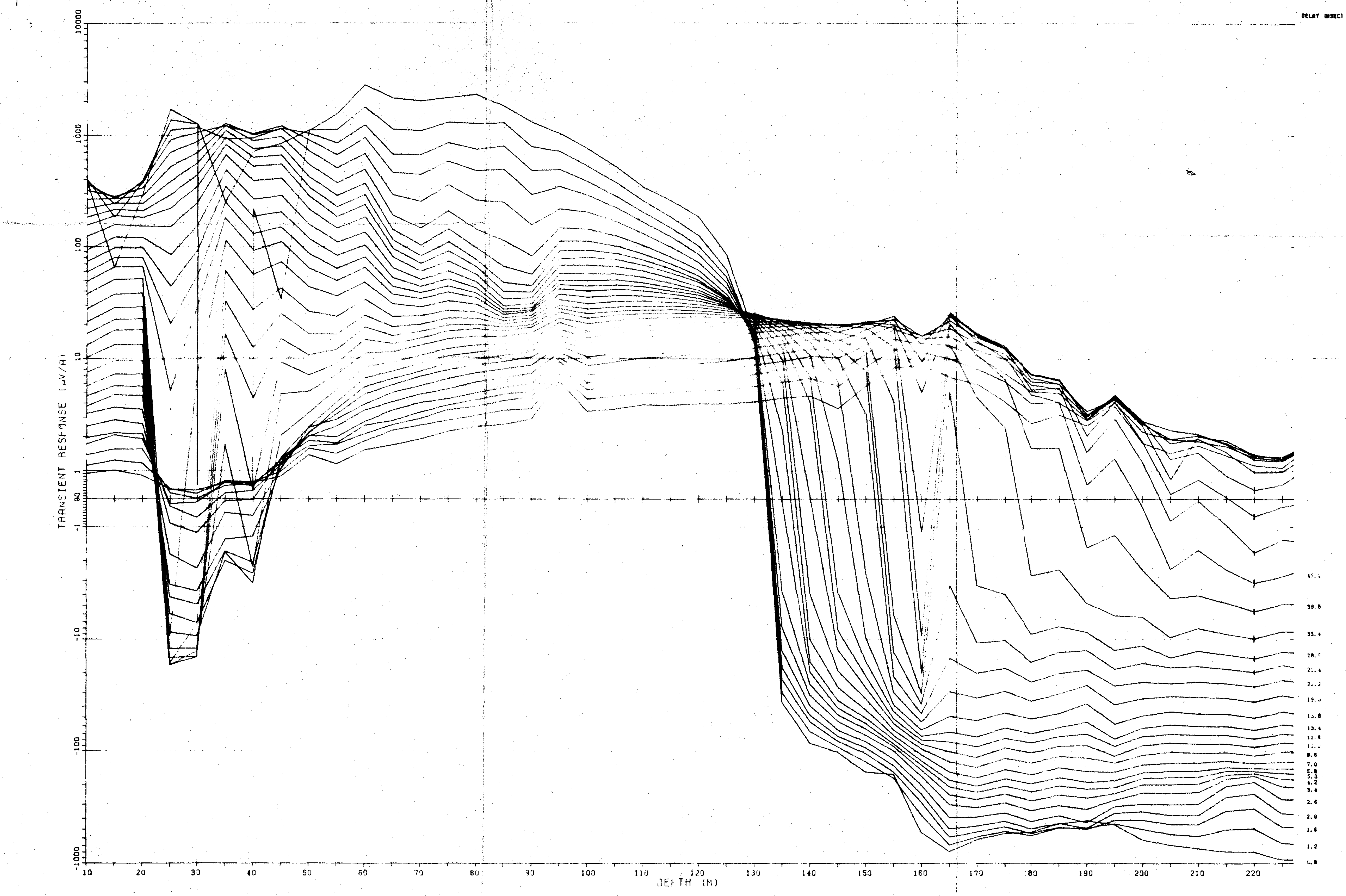
ELECTROLYTIC ZINC CO. OF AUSTRALASIA LTD.
TRANSIENT E.M. PROFILE
DDH-228 (LOOP 1), PROSPECT COLEBROOK HILL

5 cm

SCALE: 1:500
DATE : 9/4/82
MAP : ROSEBERY, TAS.

GEOEX PTY LTD

PLATE 1



704125

INSTRUMENT :SIROTEM
CONFIGURATION:200M SQUARE TRANSMITTER LOOP,
DRILL HOLE SURVEY
READING INTERVAL 5M

SCALE: 1:500
DATE : 10-11/4/82
MAP : ROSEBERY, TAS.

ELECTROLYTIC ZINC CO. OF AUSTRALASIA LTD.
TRANSIENT E.M. PROFILE
DDH-228 (LOOP 2). PROSPECT COLEBROOK HILL

5 cm

PLATE 2

ELECTROLYTIC ZINC CO. OF AUSTRALASIA LTD.
PROSPECT COLEBROOK HILL
LINE TEST
LOOP SIZE 200. METRES.

SIROTEM COINCIDENT LOOP APPARENT RESISTIVITIES

STATION 2280. EAST, 10. NORTH.

CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12
VOLTAGE	33540.0	14720.0	9765.0	7286.0	5818.0	4501.0	3408.0	2730.0	2275.0	1924.0	1580.0	1236.0
RHO	26.24	15.11	10.25	7.78	6.27	4.84	3.74	3.06	2.59	2.28	1.91	1.61

CHANNEL	13	14	15	16	17	18
VOLTAGE	1006.0	844.4	715.0	568.7	432.8	339.5
RHO	1.40	1.24	1.13	1.01	.91	.83

STATION 2280. EAST, 130. NORTH.

CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12
VOLTAGE	34170.0	15190.0	10300.0	7829.0	6287.0	4888.0	3790.0	3099.0	2632.0	2270.0	1893.0	1543.0
RHO	25.76	14.67	9.76	7.29	5.84	4.49	3.40	2.73	2.27	1.96	1.62	1.32

CHANNEL	13	14	15	16	17	18	19	20	21	22	23	24
VOLTAGE	1286.0	1101.0	961.5	803.9	644.2	530.1	446.5	381.5	310.3	242.6	195.0	160.8
RHO	1.12	.98	.87	.75	.64	.57	.52	.47	.43	.38	.35	.32

CHANNEL	25	26	27	28	29	30
VOLTAGE	134.8	107.0	81.3	63.2	50.6	41.1
RHO	.30	.28	.25	.24	.23	.22

704126

PLATE 3

APPENDIX F: Sn Anomalies and Soil Pits.

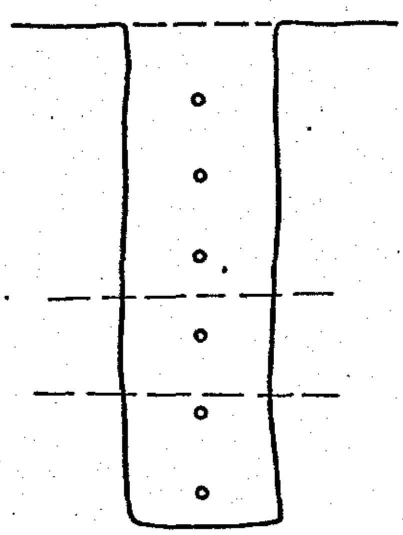
704128

North *South*

Interpretation **Description**

Original Surface

Soil benched out in past.



Transported Soil — Red brown sandy clay with small angular rock fragments : oxidized fine grained ?hornfels.

Scree — Small (2 cm) angular rock fragments infilled with red brown clayey soil.

Bedrock — Green grey decomposed volcanic wacke. Rounded lumps of unweathered purplish grey volcanic wacke scattered throughout.

Land surface and all boundaries dip west at 25-30°.

o Sample location

5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA LTD	
PROJECT: MT. BLACK, E.L. 1/62, TAS.	
SOIL PIT at 5 371 700 mN, 374 880 mE East Side	
Scale 1:25	Survey I. Math.
Drawn Niko	Date 19.4.'82
Ref No	

704129

West *East*

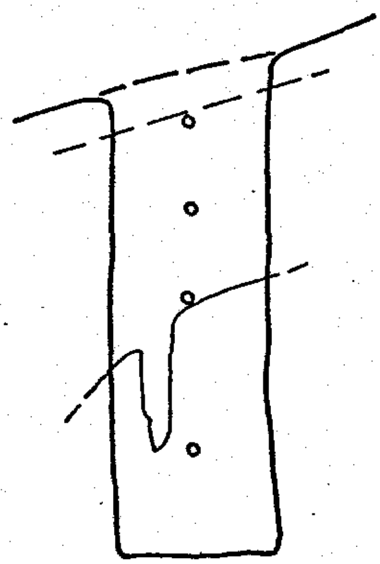
Interpretation

A Horizon

Transported soil

Locally derived soil

Decomposed bedrock



Desription

As below, and organic matter.

Orange brown clayey soil with large and small angular oxidized ? hornfels.

Green grey decomposed Svwk with some remnants hard purplish grey volcanic wocke.

o *Sample location*

5 cm

ELECTROLYTIC ZINC CO. OF A'AS.A LTD

PROJECT: MT. BLACK, E.L. 1/62, TAS.

SOIL PIT

at 5 371 800 mN, 374 800 mE

North Side

0 METRE

Scale	1:25	Survey	I. Math.	Ref No
Drawn	Niko	Date	19.4.'82	

704130

West *East*

Interpretation

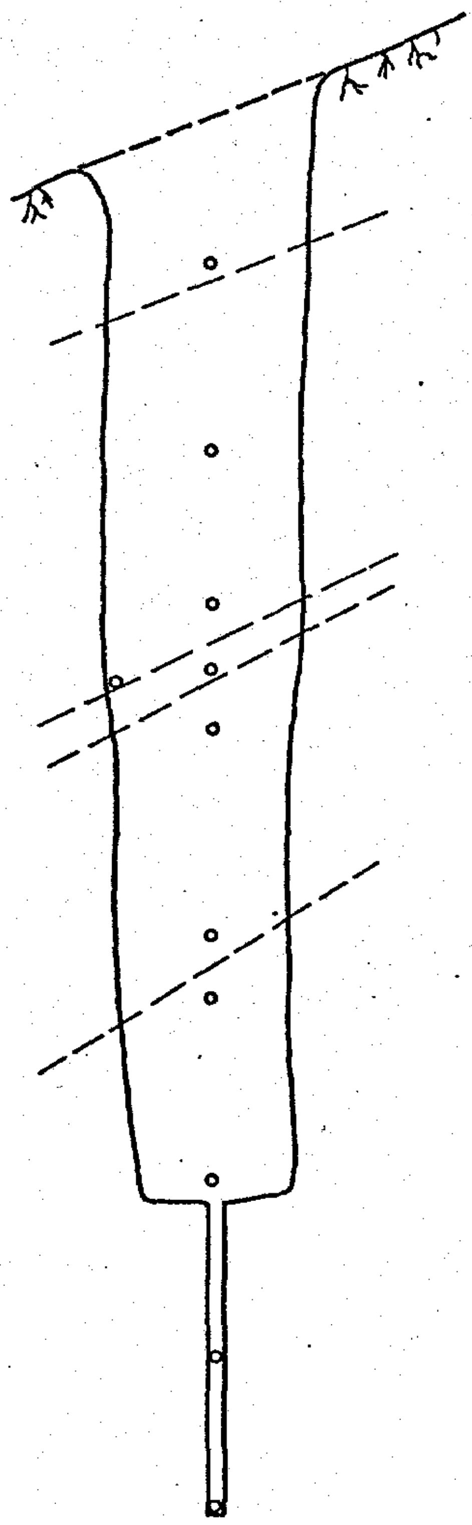
Transported soil

Transported soil
and soil derived from
transported material.

Scree

?Locally derived soil.

Decomposed bed rock
mg Svwk



Description

Present day ground surface
Organic material and orange brown soil.
Organic brown clay with angular rock fragments : oxydized hornfels

Red brown clay with scattered angular rock fragments : hornfels with some oxidized axinite and actinolite - some bands have more rock fragments.

Layer of large (10cm) dark grey hornfels fragments with red brown clay infilling.

Orange red clay with rock fragments of green grey siltstone.

Green grey sandy and silty clay : decomposed mg Svwk ?

o Sample Location

5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA LTD	
PROJECT: MT. BLACK, E.L. 1/62, TAS	
SOIL PIT at 5371700 mN , 374720 mE North Side	
Scale 1 : 25	Survey I. Math.
Drawn Niko	Date 19.4.'82

704131

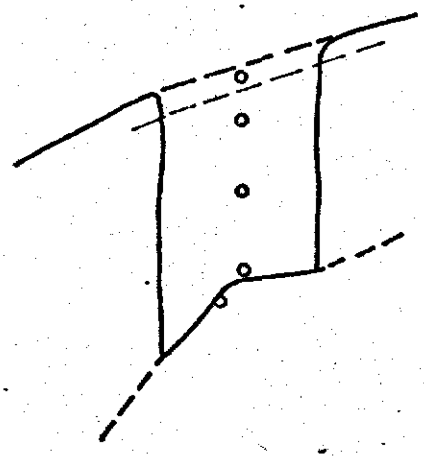
West *East*

Interpretation

A horizon

Transported soil at top with graduation downwards to locally derived soil.

Bedrock



Description

Brown clay, sand, rock fragments and organic material.

Orange brown clay with large (10 - 20cm) rock fragments.

Orange / green fine to medium grained volcanic wacke - much decomposed to soft, friable sandy clay.

o Sample location

5 cm

ELECTROLYTIC ZINC CO OF A'ASIA LTD

PROJECT: MT. BLACK, E.L. 1/62, TAS.

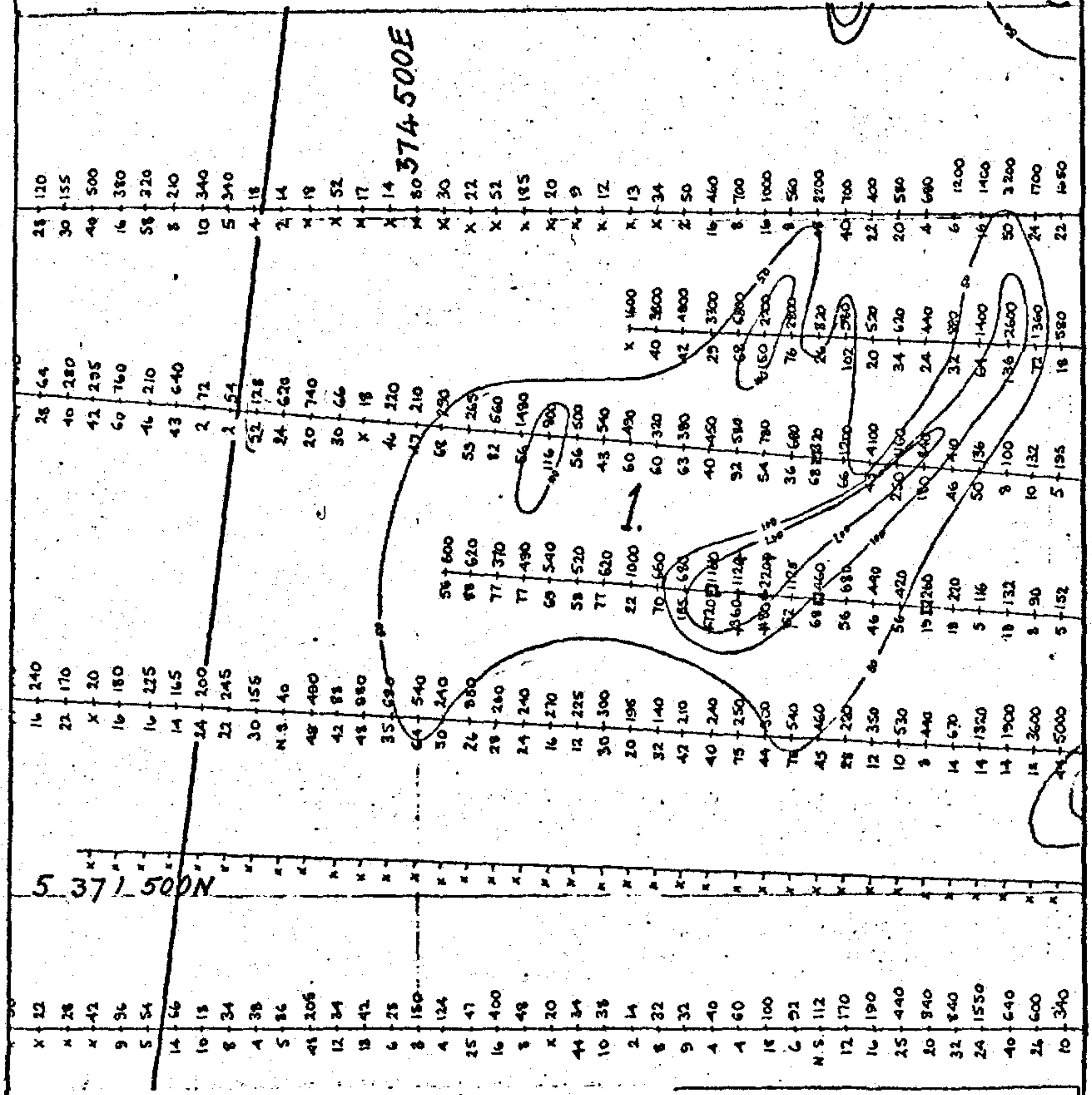
SOIL PIT

at 5 371 700 mN, 374 800 mE

North Side

Scale	1:25	Survey	I. Math.
Drawn	Niko	Date	19.4.'82

Sn Anomaly 1



1: 5 000

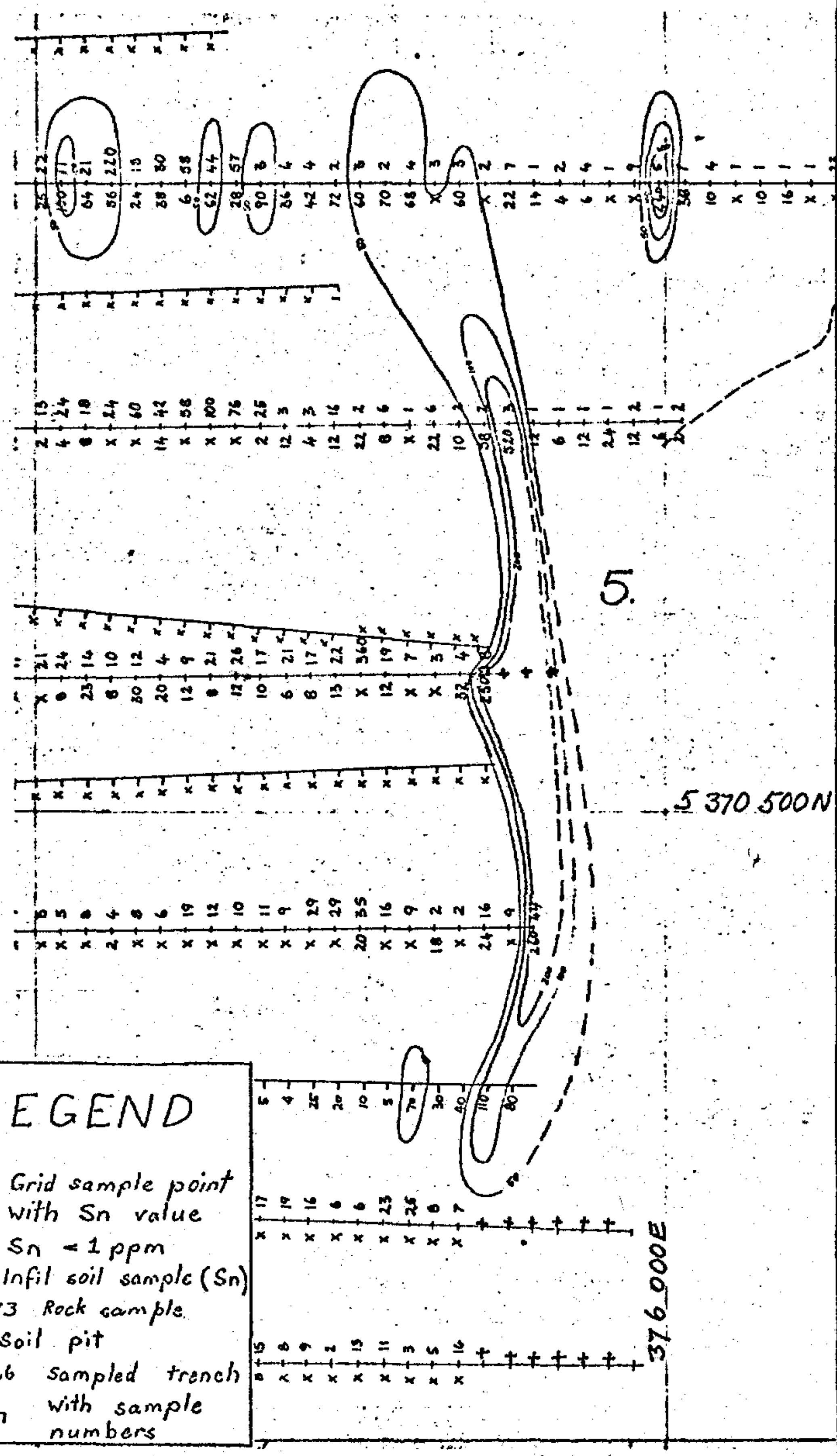
5 cm

LEGEND

- .55 Grid sample point with Sn value
- .X Sn < 1 ppm
- +20 Infil soil sample (Sn)
- o 45973 Rock sample
- ☐ Soil pit
- 35826 to 35837 sampled trench with sample numbers

Sn Anomaly 5

704133



LEGEND

- .55 Grid sample point with Sn value
- .X Sn < 1 ppm
- +20 Infil soil sample (Sn)
- o 45973 Rock sample
- ◻ Soil pit
- ▯ 35826 to 35837 Sampled trench with sample numbers

1 : 5 000

5 cm

704134

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET (Sn Anomaly 1.)

Project : Mt. BLACK
Locality :
Grid Name : COLEBROOK
Nominal Grid Azimuth : A.M.G.

Material : SOIL "C HORIZON"
Sample Method : AUGER
Sampled By : B. Mc QUIRTY
Date : JAN 1982

Size Fraction Analysed : −80 #
Analysed By : ANALABS
Method : A.A.S.

SAMPLE NUMBER	Grid Line No / Grid Easting	GRID ~~AMG~~ CO-ORDINATES NORTHING	EASTING	DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
42701	CHECK	5371700	374720	0.45	RD BR	80		20				360	155	95	X	N-A	20.5%	625	1600	275	18
02	NEW	5371725	374700									205	125	115	0.5		8.0%	1550	960	80	16
03	NEW	5371675	374700									300	95	120	X		18.5%	135	900	65	12
04	NEW	5371675	374720									525	205	150	X		16.5%	650	2580	295	22
05	NEW	5371725	374720									315	120	140	X		9.4%	1650	1050	155	18
06	CHECK	5371700	374740									565	205	135	X		8.5%	1150	2200	244	14
07	NEW	5371725	374740									345	110	105	X		8.8%	1250	1050	143	14
08	NEW	5371675	374740									215	55	120	X		8.8%	900	860	51	21
09	CHECK	5371700	374760									365	210	135	X		19.5%	840	3800	460	15
10	NEW	5371725	374760									315	135	135	X		9.9%	1900	1700	225	16
42711	NEW	5371675	374760									95	25	260	X		9.9%	725	330	110	13
PREVIOUS SAMPLES																					
32846		5371700	374720	0.40								360	100	55	N-A	N-A	13.7%	410	1160	720	N-
47		5371700	374740									620	165	120			11.5%	1100	1120	360	
48	2B HOR	5371700	374760									465	235	160			14.7%	1000	2200	480	

SOIL PIT SAMPLE DATA

Project ..Mt. Black . EL 1/62 .. Sampler ..I. J. Mathison.. Analysed by ..Analabs......

Grid Name ..Colebrook . Hill... Date ...Mar....82.... Method ..AAS........

Coordinates 5371700N374800E Total Depth.... 0·60.........

Sample Number	Interval	Description	Material Analysed	Cr	Mn	Fe %	Cu	Zn	As	Ag	Sn	Pb	Ni	Co
427233 AT	0·05	Bn soil	-80	85	1450	6·50	255	165	770	1·0	46	65		
24	0·10	Rd Bn soil	-80	155	1050	11·5	320	215	1600	0·5	125	50		
25	0·35	Rd Bn clayey soil	-80	170	1000	12·0	265	225	810	1·0	165	30		
26	0·60	Or sandy clay	-80	170	1650	10·5	245	290	290	X	55	10		
27	0·60	Bed Rock - oxg-rd ox Svwk	WHOLE	75	1600	9·90	185	335	85	0·5	42	15		
		Original Soil Sample												
34650	0·90	Or soil (sandy clay)	-80	130	1050	10·2	315	250	460	—	68	5	125	35

704136

SOIL PIT SAMPLE DATA

Project ..Mt. Black. EL 1./62 Sampler ..I.J. Mathison... Analysed by ..Analabs.......
Grid Name ..Colebrook..Hill... Date ..Mar..1982..... Method ..A.A.S.......
Coordinates 5371800N374800E Total Depth....0.90.m......

Sample Number	Interval	Description	Material Analysed	Cr	Mn	Fe %	Cu	Zn	As	Ag	Sn	Pb	Ni	Co
42734	PT 0.20	Rd Bn sandy clay	-80	130	1250	10.0	205	130	1700	1.0	135	45		
35	0.60	Rd Bn sandy clay	-80	125	1100	10.0	230	135	950	1.0	73	35		
36	0.90	Bn silty clay	-80	100	1000	9.30	345	175	520	x	43	15		
37	0.90	Decom grey mg Svwk	WHOLE	55	1250	8.60	290	225	550	x	115	15		
		Original Soil Sample												
35361	0.40	Dk Bn - Bk Soil	-80	160	950	7.0	136	100	820	—	68	35	65	2[illegible]

704137

SOIL PIT SAMPLE DATA

Project .Mt. Black . . E.L. 1/62 Sampler . . I.J. Mathison . . . . Analysed by .Analabs. . . . . . .

Grid Name .Colebrook . . Hill. . . . Date . . . . Method .A.A.S. . . . .

Coordinates 5371700N 374880E Total Depth. . . . .

Sample Number	Interval	Description	Material Analysed	Cr	Mn	Fe %	Cu	Zn	As	Ag	Sn	Pb	Ni	Co
				Metal Content (p.p.m. unless specified)										
42728	AT 0.25	Or Bn silty clay	-80	155	900	10.0	195	110	610	0.5	34	15		
29	0.50	Rd Bn sandy clay	-80	140	980	10.0	230	140	400	x	30	15		
30	0.75	Rd Bn sandy clay	-80	115	1350	11.0	255	150	670	x	43	20		
31	1.00	Rd Bn sandy clay	-80	135	1600	12.0	275	145	820	0.5	50	25		
32	1.25	Grn Gry decom Svwk	WHOLE	220	1150	10.5	180	200	89	1.0	21	10		
33	1.50	Grn Gry decom Svwk	WHOLE	165	1000	9.30	40	175	74	1.0	17	10		
		Original Soil Sample												
91854	0.35	Dk Bn soil (& clay)	-80	160	590	8.50	145	95	260	—	19	10	90	3[illegible]

704138

SOIL PIT SAMPLE DATA

Project Mt Black EL 1/82 Sampler I.J. Mathison Analysed by Analabs
Grid Name Colebrook Hill Date .... Method A.A.S.
Coordinates 5370900 N 374660 E Total Depth 0:60 m

Sample Number	Interval	Description	Material Analysed	Cr	Mn	Fe %	Cu	Zn	As	Ag	Sn	Pb
												Metal Content (p.p.m. unless specified)
41029 AT	0·20	Brown soil N side pit	-80	105	405	16·0	355	55	1050	x	40	295
30	0·35	Orange brown soil N side	-80	115	225	17·0	395	45	1000	x	7	130
31	0·40	Brown soil S side pit	-80	130	310	9·75	315	45	990	0·5	63	80
32	0·60	Orange brown soil S side	-80	130	305	18·5	425	55	1200	x	110	40
33	0·20	Brown soil 1m N of pit	-80	145	375	9·35	280	50	1000	x	68	40
34	0·40	Brown soil 1m N of pit	-80	135	375	8·95	295	50	990	x	43	35
35	0·20	Brown soil 1m S of pit	-80	140	160	6·65	305	40	550	x	100	30
36	0·25	Brown soil 1m S of pit	-80	155	200	6·15	305	40	540	0·5	115	30
45203	0·25	Rd-Org ox f-mg Svwk (Scree)	WHOLE	70	1350	22·5	230	85	200	x	100	15
45204	0·60	Gry-Org ox fg Svwk (Red Rk)	WHOLE	100	375	14·5	290	55	150	0·5	10	45
		Original Soil Sample										
40744 AT	0·20	Rd Or clay	-80	115	175	14·5	250	45	1300	x	x	15

704139

SOIL PIT SAMPLE DATA

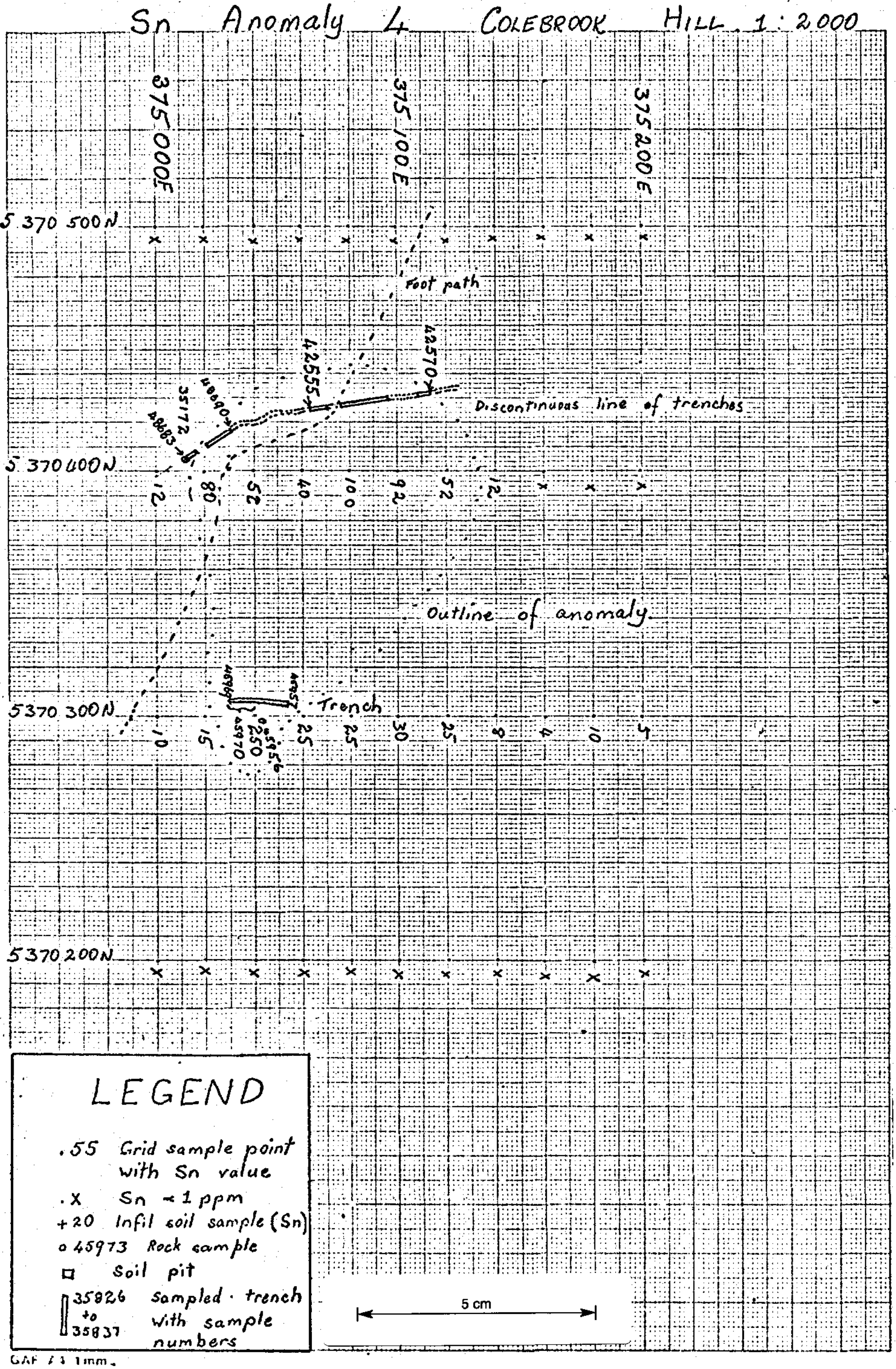
Project Mt. Black EL 1/62 Sampler I.J. Mathison Analysed by Analabs

Grid Name Colebrook Hill Date Jan & Mar 82 Method A.A.S

Coordinates 5371700N 374720E Total Depth 3.30 m (+ auger to 4.40 m)

Sample Number	Interval	Description	Material Analysed	Cr	Mn	Fe %	Cu	Zn	As	Ag	Sn	Pb	Ni	C
				Metal Content (p.p.m. unless specified)										
42712	AT 0.30	Red brown soil above scree	-80	170	305	10.0	300	70	1500	0.5	260	225		
13	1.00	Or Bn soil ?bottom of wash	-80	200	505	9.55	460	100	1100	x	210	145		
14	1.50	Or Bn soil	-80	205	305	15.0	525	105	1800	x	240	205		
15	1.80	Or Bn soil	-80	220	295	16.5	435	90	1700	x	220	155		
16	1.65	Rd Bn clayey soil	-80	155	365	10.5	315	75	750	x	225	120		
17	1.90	Rd Bn clayey soil	-80	230	190	12.0	350	60	1700	x	215	110		
18	2.55	Rd Bn clayey soil	-80	115	530	10.0	365	115	620	x	135	75		
19	2.65	Gn Gy sandy clay = ?decom B.Rk	WHOLE	50	870	10.0	235	105	78	x	10	40		
20	3.30	Gn Gy silty clay = decom B.Rk	WHOLE	40	960	10.0	130	115	71	0.5	4	x		
21	3.90	Gn Gy silty clay (auger) B.Rk	WHOLE	40	900	10.0	130	135	x	x	20	x		
22	4.40	Gn Gy silty clay (auger) B.Rk	WHOLE	35	290	9.50	110	135	86	0.5	28	x		
		Original Soil Sample												
34946	0.40	Or Soil (Sandy clay)	-80	170	410	13.7	360	55	1160	—	720	100	50	

704140



GAF 71 1mm.

E.L. 1/62

COLEBROOK HILL ADIT SAMPLING DATA

Adit ...Trench........... Collar Grid Coordinates 5370400 N 375005 E. Date ..Feb. 82.....

SAMPLE NUMBER	LOCATION: Development	Interval	Type	Metal Content (p.p.m. unless specified): Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
48683		9-11	CHIP	10			x	95	3100	8·40%	100	225	40	X	X		30	
84		-13		15			X	75	480	8·20%	85	150	46	X	X		30	
85		-20		45			10	50	6·05%	12·5%	495	620	250	X	X		40	
86		-22		190			20	75	1·30%	28·5%	275	580	300	1·5	X		70	
87		-24		115			115	70	2·00%	15·5%	140	325	170	X	X		80	
88		-26		350			10	80	2000	39·5%	290	645	610	1·5	X		65	
89		-28		10			10	165	1000	9·90%	385	205	10	0·5	X		15	
90		-30		20			X	185	515	9·65%	365	205	26	X	X		20	
48691		20·5	VEIN	480			X	50	7250	36·5%	370	635	440	1·5	X		65	

NORTH WALL SAMPLED

704142

E.L. 1/62

COLEBROOK HILL ADIT SAMPLING DATA

Adit ..Trench.......... Collar Grid Coordinates ..........N..........E. Date ..Feb..82.....

SAMPLE NUMBER	LOCATION			Metal Content (p.p.m. unless specified)															
	Development	Interval	Type	Sn X.R.F.	Sn A.A.S.	Sn CX	W X.R.F.	Cr	Mn	Fe %	Cu	Zn	As	Mo	Ag	Au	Pb	Bi
42555		0-2	CHIP	X			X	45	7050	9·65%	300	125	41	1·0	X		15	
56		-4		10			10	90	4500	9·90%	115	170	44	0·5	X		35	
57		-6		15			X	85	2150	15·5%	125	225	70	1·0	X		40	
58		10-2		40			X	50	7200	9·50%	155	195	65	X	0·5		50	
59		-14		80			X	95	5200	20·0%	835	205	100	X	X		40	
60		-16		10			X	160	1250	9·65%	165	135	8	1·5	X		15	
61		-18		X			X	70	4300	11·0%	165	145	23	1·0	X		30	
62		-20		10			X	75	1850	9·45%	115	185	13	X	X		20	
63		-22		10			X	85	4000	9·35%	95	165	25	1·0	X		25	
64		-24		15			X	70	2800	9·40%	145	135	36	X	X		25	
65		-26		30			X	80	1750	9·25%	90	100	33	X	0·5		25	
66		-28		35			X	70	3300	8·30%	95	115	25	X	X		30	
67		-30		10			10	85	3450	9·65%	95	145	18	X	X		45	
68		-32		45			10	60	855	8·50%	75	65	54	X	X		25	
69		-34		15			X	110	4250	8·85%	65	145	10	X	X		35	
42570		48-0		15			X	60	1·60%	8·45%	170	195	16	1·0	X		80	

NORTH WALL SAMPLED

Electrolytic Zinc Co. of A'asia Ltd.
Rosebery, Tas.

ROCK SAMPLE LEDGER

PROJECT: [illegible] LOCALITY: [illegible]
COLLECTED BY: I. M. DATE: 27.11.81

Sample Number	A.M.G. Co-ordinates N	A.M.G. Co-ordinates E	Sample Type	Geological Description	Rock-type (Macroscopic)	T or P	By	Reference	Rock-type (Microscopic)	Pb / Cr	Zn / Ni	Cu / Co	Ag	Fe %	Mn	Sn	As
45951	537100	375360	Rock	Rock grey-grey volcanogenic wacke with quartz	Svwk					5	45	25	<0.5	10.0	315	<1	6
45952	537000	375800		Sericitic sandstone - dark grey weathers pale grey	Ssst												
45953	537000	375830		Fine grained sericitic sandstone with slaty cleavage	Ssst												
45954	537500	375260		Green fine grained volcanogenic wacke	Svwk					<5	110	15	<0.5	8.60	1000		17
45955	537500	375075		Pale orange limonite stained siltstone	Sslt					<5	100	15	<0.5	9.10	3850		1
45956	537300	375040		Gossan	gos					<5	95	220	<0.5	42.0	2150		665
45957	537305	375056	chip		Svwk					42	180	125	<0.5	9.40	5500		120
45958	"	375052			gos					155	560	320	<0.5	21.5%	6.75%		100
45959	"	375050			Svwk					95	245	220	<0.5	15.5	7500		560
45960	"	375048			Svwk					70	185	305	<0.5	15.0	3400		110
45961	"	375046			Svwk					210	355	200	<0.5	22.0	5750		59
45962	"	375044			gos					145	330	155	<0.5	29.5	3900		315
45963	"	375042			Svwk					85	225	95	<0.5	15.0	4500		260
45964	"	375040			Sslt					<5	115	65	<0.5	5.9	3050		45
45965	"	375038		Very light - limonite wad.	lim					415	305	150	0.5	14.5	21500	<1	120

Anomaly 4

704143

Electrolytic Zinc Co. of A'asia Ltd.
Rosebery, Tas.

ROCK SAMPLE LEDGER

PROJECT: Mt. [illegible]   LOCALITY: Colebrook Hill [illegible]
COLLECTED BY: I.A.M.D.   DATE: 2-12-80 / 10-12-80

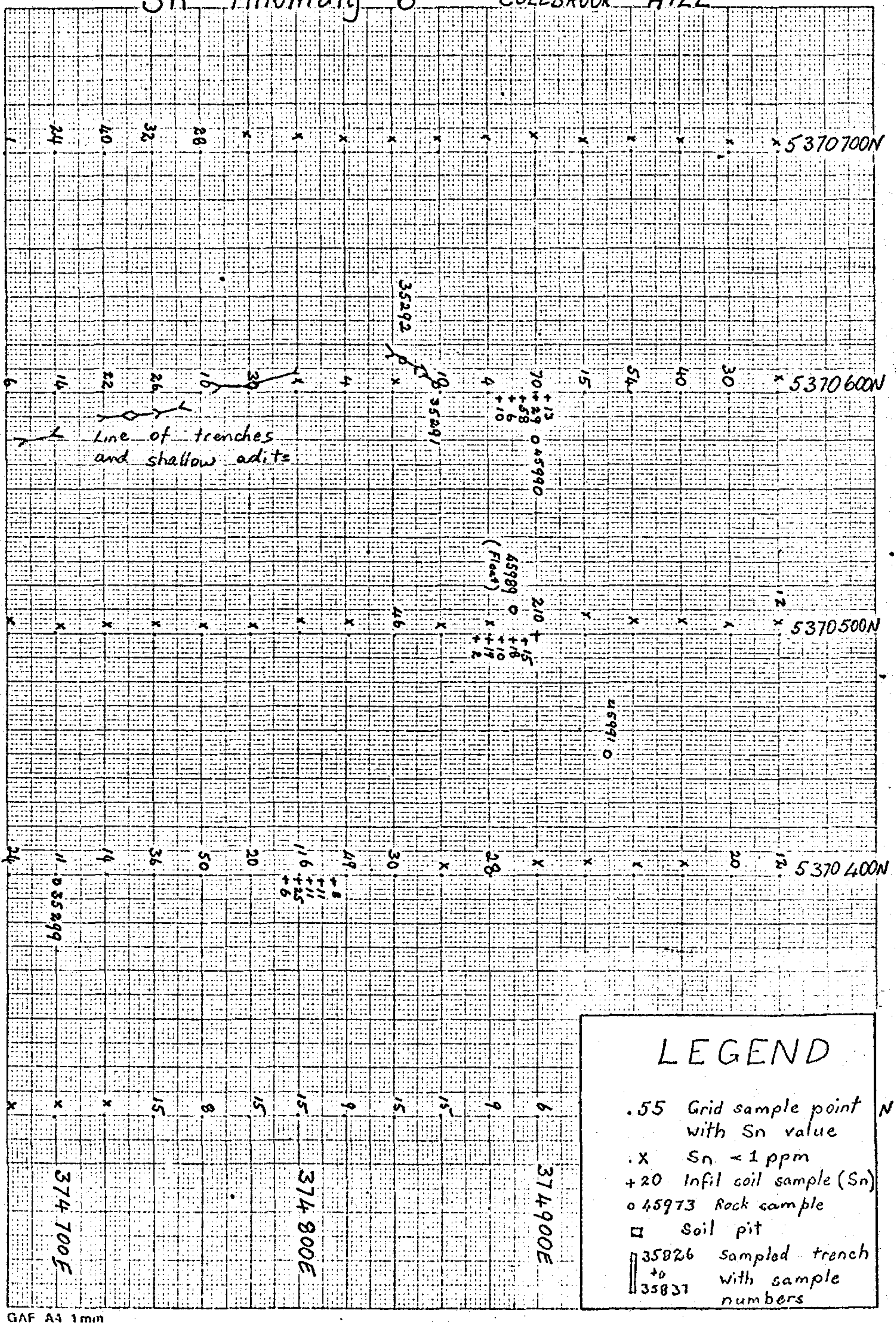
Anomaly 4

Sample Number	A.M.G. Co-ordinates N	A.M.G. Co-ordinates E	Sample Type	Geological Description	Rock-type (Macroscopic)	T or P	Thin or Polished Section By	Reference	Rock-type (Microscopic)	Pb	Zn	Cu	Fe%	Mn	Cr	As	Sn
35170	372200	375608	float.	Isolated piece of float. Dark green f-mg strongly hornblendised sediment. vcg. hornblende lines rock surface as if on a vein or on a contact.	Sed. hbl.					20	10	20	2.28	90	145	22	52
35171	370600	375800	Rock	Dark grey cleaved micaceous siltstone with weak carbonation.	Sdt. mica (cb'd).					10	15	10	1.30	210	20	14	10
x 35172	370405	375012	"	Face of small trench. Grey to brown richly oxidised weakly cleaved f.g. volcanic wacke with strong limonite staining	Fg Svwk lim-st.					55	150	140	5.80	3150	30	75	x
35173	370200	374572	"	Pale green to grey f-mg weakly oxidised volcanic wacke	F-mg Svwk.					5	120	60	7.30	300	55	8	18
35174	370200	374470		Blue-grey fg massive carbonated Ultramafic with chlorite-carbonate and ?serpentine	U cb.c.					5	40	x	1.60	1550	3500	8	x
35175	370200	374375		Pale brown oxidised f.g. quartz volcanic wacke	fg Sqvwk.					100	250	x	9.00	1750	90	3	x
35176	370200	374315		Dark blue-green fg Serpentinite with white fracture fill quartz veins carrying pyrite and magnetite. Serpentinite is carbonated next to the vein.	Us qtz vn py, mag.					20	90	440	2.60	1100	1100	2	x
35177	370200	374305		White quartz or cryptocrystalline silica! with vuggy weathered out carbonate clots. Locally silica replacement of altered Ultramafic	Silica-cb. rock.					5	30	170	1.60	215	1500	2	x

704144

704145

Sn Anomaly 6 COLEBROOK HILL



GAF A4 1mm

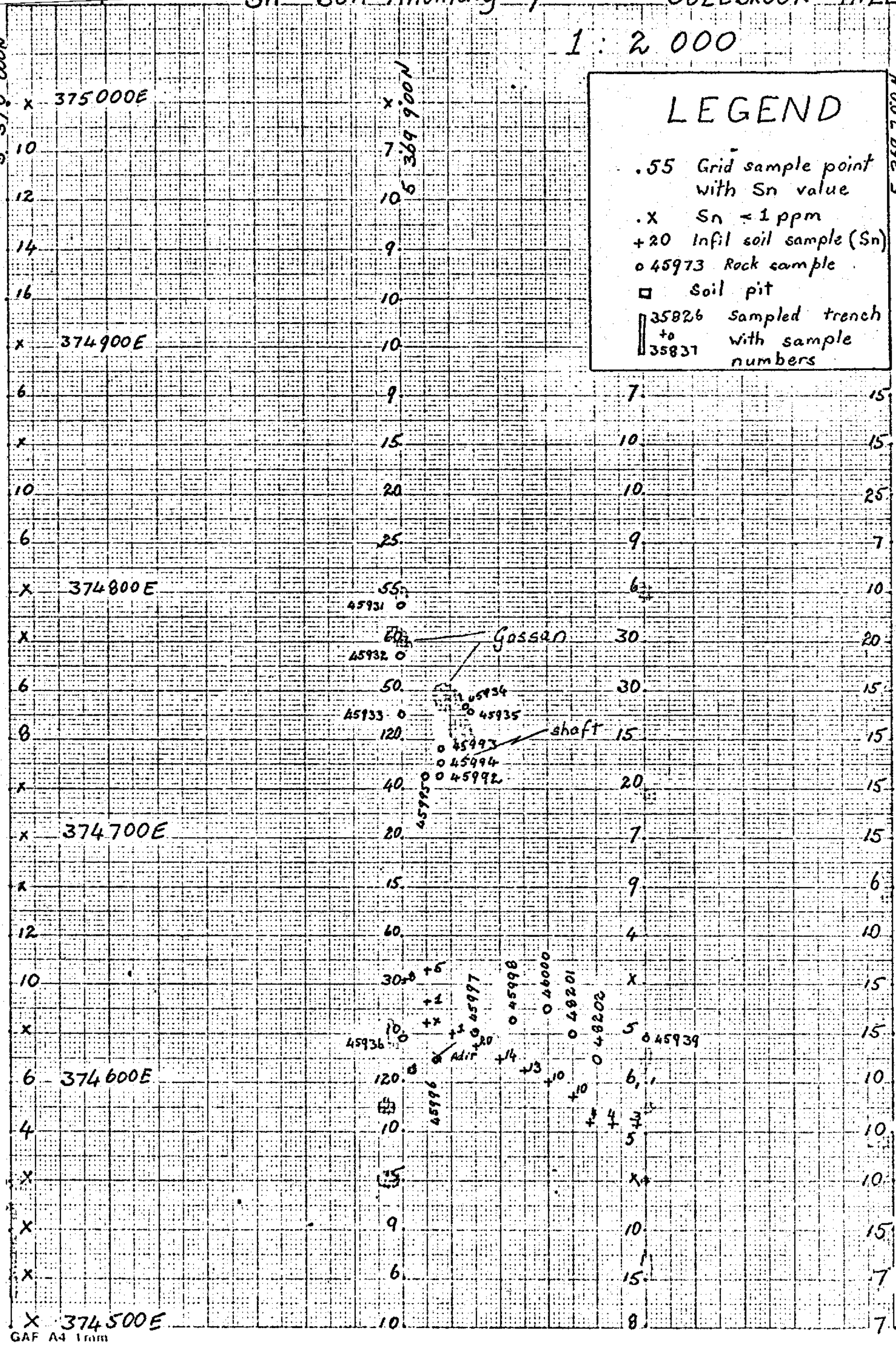
Sn Anomaly 6 - ROCK SAMPLES

Sample	Rock Type	Cr	Mn	Fe%	Cu	Zn	As	Ag	Sn	Pb
35291	f-mg wacke	115	1400	11.6	20	100	42		6	10
35292	f-mg wacke	120	1000	13.8	15	200	3		<1	10
35299	f.g wacke	110	1300	12.5	110	90	12		<1	20
45989	banded gossan	65	1.4%	54.0	2250	205	4200	1.0	115	65
45990	brecc. siltst.	115	1900	11.0	65	95	160	<0.5	14	35
45991	limonitic vein	50	370	11.5	25	135	13	2.0	1	395

5 cm

Sn Soil Anomaly 7 - COLEBROOK HILL

1 : 2 000



Sn Anomaly 7 - ROCK SAMPLES

Sample	Rock Type	Cr	Mn	Fe%	Cu	Zn	As	Ag	Sn	Pb
45931	oxidized wacke		675	27.0	30	160	430	<0.5	<1	5
45932	Gossan		1750	27.0	155	175	400	<0.5	<1	5
45933	Fe stn quartz		1.8%	27.5	25	160	270	<0.5	<1	<5
45934	Ironstone		650	6.45	45	205	260	<0.5	<1	85
45935	Ox. wacke = clay		1950	5.25	35	295	220	<0.5	<1	<5
45992	qz.cb.vein	7050	3.9%	22.5	175	565	400	1.0	215	485
45993	qz.cb.vein	4200	3.9%	19.5	50	880	310	<0.5	<1	40
45994	cherty silica	315	570	6.85	15	155	30	<0.5	<1	65
45995	gossan	4500.	3.6%	2.00	20	465	160	<0.5	<1	45
45996	barite+qz.cb.	1020	5.8%	31.0	10	60	600	<0.5	<1	45
45997	Limonite crust (q.cb)	1600	7100	38.5	20	570	400	<0.5	<1	70
45998	Limonite crust	1030	3.0%	24.5	70	260	500	<0.5	<1	70
46000	Limonite	970	5.0%	22.5	25	2000	16	<0.5	<1	95
48201	f.g. wacke	95	2150	18.5	35	290	60	<0.5	<1	235
48202	pink chert	3600	850	4.0	20	600	18	<0.5	1	110

704149

D of M	A.O.	C.G.	E.O.	D.S.M.
Received / Answered	19 OCT 1982			Registrar
				E & IL
DEPT. OF MINES REF. No. 8582/82				

DJJ

APPENDIX G: Stream Sediment Sample Data Sheets - Natone-Dundas

704150

SHEET-1

E Z Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

Project	: Mt Black EL1/62	Material	: Stream Sediments	Size Fraction Analysed	: -80#
Locality	: Natone - Dundas	Sample Method	: Grab of total load	Analysed By	: A.C.S.
Grid Name	:	Sampled By	: G. Beresford - J. McDonald	Method	: AAS. : Sn, W by XRF
Nominal Grid Azimuth	:	Date	: 3-5 Feb 1982		

SAMPLE NUMBER	Grid Line No / Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	Stream Order	Direction of Flow	Width	Active Stream Load	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe %	Mn	As	Sn	W
43801	✓ x	5362150	375245		120	2.0	M	10	20	70				25	100	90	<2		3.80	5200	20	<10	<10
802	✓ x	5362360	375025		115	2.5	W-M	10	20	70			VS	30	150	140	2		3.60	2000	35	<10	<10
803	✓ x	5362555	374640		090	1.8	W-M	10	25	65			VS	20	60	65	2		4.20	2400	<5	<10	<10
804	✓ x	5362580	374695		130	2.0	M	10	25	65				25	90	60	<2		3.70	2200	10	<10	40
805	✓ x	5362720	374665		185	0.8	W	10	40	50			VS	25	120	130	2		4.90	6700	20	<10	<10
806	✓ x	5362705	374655		105	1.5	M	10	25	65			VS	20	100	60	<2		3.80	14000	50	<10	15
807	✓ x	5362830	374575		170	2.0	W-M	10	25	65			VS	20	110	85	<2		3.60	5000	30	<10	30
808	✓ x	5363040	374575		150	2.0	W-M	10	25	65				25	80	95	<2		3.60	3400	25	<10	45
809	✓ x	5363035	374595		235	1.0	W-M	10	40	50			VS	20	50	70	<2		3.90	2000	40	<10	<10
810	✓ x	5362965	374540		210	2.0	W-M	10	25	65				45	140	75	<2		5.90	>10000	30	<10	20
811	✓ x	5362955	374525		105	1.2	W-M	10	25	65			VS	30	160	85	<2		4.50	9200	25	<10	<10
812	✓ x	5362980	374330		100	1.2	W	10	25	65			S	30	210	140	2		4.50	>10000	40	<10	<10
813	✓ x	5363035	374235		135	1.0	W	10	25	65			VS	35	180	95	5		4.00	2200	20	<10	<10
814	✓ x	5363030	374230		075	1.2	W-M	20	50	30			VS	25	80	55	5		3.60	1700	<5	<10	<10
815	✓ x	5360085	375540		160	1.2	W	20	50	30		Soil	S	25	20	40	5		2.90	1100	<5	<10	25
816	✓ x	5359775	375575		165	1.5	W	10	30	60			S	35	40	60	<2		4.10	1600	20	<10	40
817	✓ x	5359710	374635		170	1.2	W	10	25	55	10	Soil		30	160	65	<2		3.70	>10000	40	<10	<10
818	✓ x	5359710	374880		195	1.5	W-M	10	25	55	10	Soil		30	80	55	2		4.10	8200	<5	<10	15
819	✓ x	5359980	374885		180	1.2	W	10	25	60	5	Soil	S	20	20	45	<2		2.30	190	<5	<10	40
820	✓ x	5360680	374925		350	1.0	W	10	30	60		Soil		20	20	45	<2		2.40	130	<5	<10	15
821	✓ x	5361195	374835		005	1.2	W	10	40	50			S	30	100	75	<2		4.10	3400	<5	<10	<10
822	✓ x	5361170	374845		030	0.8	W	15	35	50		Soil		25	70	65	<2		2.90	2100	<5	<10	45
823	✓ x	5361160	374835		005	2.0	W	10	35	50	5		S	25	50	45	<2		2.40	690	<5	<10	40
43824	✓ x	5360875	374895		350	0.8	W	20	35	30	15	Soil	S	25	50	65	2		1.80	1200	10	<10	<10
		53	3																				
		53	3																				
		53	3																				
		53	3																				
		53	3																				
		53	3																				

E Z Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

SHEET 2.

Project	: Mt. Block	Material	: Stream Sediments	Size Fraction Analysed	: -80#
Locality	: Malone + Dundas	Sample Method	:	Analysed By	:
Grid Name	:	Sampled By	:	Method	:
Nominal Grid Azimuth	:	Date	:		

METAL CONTENT (ppm unless specified)

SAMPLE NUMBER	Mo	Co	Cr	Bi	Sb	Hg	Ba.	F
43801		70	540					
802		40	410					
803		40	260					
804		45	550					
805		95	470					
806		70	900					
807		55	530					
808		50	580					
809		35	450					
810		170	710					
811		130	260					
812		150	280					
813		40	300					
814		20	290					
815		15	430					
816		25	420					
817		190	440					
818		180	630					
819		15	460					
820		10	360					
821		70	690					
822		30	820					
823		15	570					
43824		55	730					

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E Z Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

SHEET-1

Project	: Mt Block EL1/62	Material	: Stream Sediments	Size Fraction Analysed	: -80#
Locality	: Nelons - Dundas	Sample Method	: Grab of total load	Analysed By	: A.C.S.
Grid Name	:	Sampled By	: I. MATHISON + J. McQITTY	Method	: AAS. : Sn, W by XRF
Nominal Grid Azimuth	:	Date	: 3-5 FEB. 1982		

SAMPLE NUMBER	Sample Location Data: Grid Line No / Grid Easting		AMG CO-ORDINATES: NORTHING	AMG CO-ORDINATES: EASTING	Stream Data: Stream Order	Direction of Flow	Width	Active Stream Load	Composition Data: Clay	Sand	Rock Frags.	Organic	Contam	Geology	METAL CONTENT (ppm. unless specified): Cu	Pb	Zn	Ag	Au	Fe %	Mn	As	Sn	W
43901	✓	x	5362600	375565					10	20	70				30	50	40	<2		1·90	280	<5	<10	15
902	✓	x	5362680	375440					10	40	50				20	30	25	<2		1·70	3400	20	<10	15
903	✓	x	5362750	375280					10	40	50				25	75	40	<2		4·60	1000	20	<10	<10
904	✓	x	5361875	375220					10	40	50				30	65	80	2		6·40	3400	50	<10	<10
905	✓	x	5361760	375080					20	30	50				40	80	120	<2		3·80	6000	20	<10	45
906	✓	x	5361640	374920					10	40	50				35	45	120	<2		4·30	9300	<5	<10	10
907	✓	x	5361620	374950					20	40	40				35	40	90	<2		3·20	4700	<5	<10	15
908	✓	x	5361690	374730					30	30	30				45	140	190	<2		8·30	7800	40	<10	<10
909	✓	x	5361670	374580											30	45	80	<2		5·10	4700	30	<10	15
910	✓	x	5361700	374570					30	30	30				30	75	50	2		4·00	3500	20	<10	<10
911	✓	x	5361735	374480					40	40	20				30	80	60	<2		4·60	7100	<5	<10	<10
912	✓	x	5361760	374485					40	40	20				30	80	60	2		3·10	1200	<5	<10	<10
913	✓	x	5361720	374405					20	40	40				30	90	50	<2		2·90	2500	20	<10	<10
914	✓	x	5361750	374400					30	30	30				30	60	55	<2		4·10	7700	20	<10	<10
915	✓	x	5362055	375230					30	50	20				25	65	65	<2		2·90	3700	10	<10	20
916	✓	x	5361920	373980					50	50					20	40	25	<2		1·50	810	<5	<10	<10
917	✓	x	5361645	374100											25	80	75	<2		3·60	1300	<5	<10	<10
918	✓	x	5361690	374300					50	20	30				30	70	60	<2		3·70	2900	30	<10	<10
919	✓	x	5361260	374385					20	30	50				30	120	150	2		4·30	9700	10	<10	20
920	✓	x	5361090	374325					30	30	30				25	80	100	<2		3·30	6100	10	<10	<10
921	✓	x	5361120	374320					40	10	50				35	35	90	<2		2·60	3900	<5	<10	30
922	✓	x	5360910	374280					20	40	40				30	85	80	<2		3·30	10000	20	<10	45
923	✓	x	5360690	374220					40	10	50				25	25	35	<2		2·00	610	<5	<10	35
924	✓	x	5362130	375520					15	80	5				10	45	25	<2		0·80	85	<5	<10	45
925	✓	x	5362180	375550					10	45	45				20	70	50	2		2·30	2600	10	<10	20
926	✓	x	5362290	375695					30	30	30				20	70	50	2		2·20	700	<5	<10	40
927	✓	x	5362360	375855					30	60	10				15	45	50	<2		1·70	210	<5	<10	<10
928	✓	x	5362330	376000					30	70					15	50	45	<2		1·70	230	<5	<10	60
43929	✓	x	5362330	376175					30	70					15	45	45	<2		1·60	150	<5	<10	<10
			53	3																				

E Z Co of A'Asia Ltd
Rosebery Tas

GEOCHEMICAL SAMPLE DATA SHEET

SHEET 2.

704153

Project : Mt. BLACK
Locality : Nelese - Dundas
Grid Name :
Nominal Grid Azimuth :

Material : Stream Sediment
Sample Method :
Sampled By :
Date :

Size Fraction Analysed : -80#
Analysed By :
Method :

METAL CONTENT (ppm. unless specified)

SAMPLE NUMBER	Mo	Co	Cr	Bi	Sb	Hg	Ba.	F
43901		20	390					
902		25	320					
903		70	350					
904		80	410					
905		85	650					
906		110	630					
907		65	890					
908		120	310					
909		80	420					
910		90	590					
911		140	410					
912		40	260					
913		50	300					
914		170	210					
915		85	890					
916		50	160					
917		65	180					
918		90	240					
919		140	380					
920		90	310					
921		70	330					
922		230	320					
923		50	270					
924		15	330					
925		45	670					
926		40	610					
927		25	670					
928		30	1000					
43929		25	460					

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Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

SHEET-1

Project	: Mt Block EL1/62	Material	: Stream Sediments	Size Fraction Analysed	: -80#
Locality	: Nelson - Dundas	Sample Method	: Grab of total load	Analysed By	: A.C.S.
Grid Name	:	Sampled By	: J. Hill - J. Milo	Method	: AAS : Sn, W by XRF
Nominal Grid Azimuth	:	Date	: 3. Feb. 1982		

SAMPLE NUMBER	Sample Location Data: Grid Line No / Grid Easting		AMG Co-ordinates: Northing	AMG Co-ordinates: Easting	Stream Data: Stream Order	Direction of Flow	Width	Active Stream Load	Composition Data: Clay	Sand	Rock Frags.	Organic	Contam.	Geology	Cu	Pb	Zn	Ag	Au	Fe %	Mn	As	Sn	W
44601	✓	X	5362370	375210					3	90	7				15	50	40	2		1·60	2000	<5	<10	30
602	✓	X	5362930	375175					2	70	28				20	65	40	2		3·10	3100	20	<10	15
603	✓	X	5363010	375180					2	90	8				15	65	40	<2		1·70	110	<5	<10	25
604	✓	X	5363170	375140						40	60				20	80	45	2		2·50	1400	<5	<10	20
605	✓	X	5363200	375160						70	30				20	50	130	<2		0·80	65	<5	<10	40
606	✓	X	5363350	375105						30	70				20	35	30	2		0·70	70	<5	<10	20
44607		X	5363325	374940						80	20				20	120	75	2		4·50	2000	25	<10	35

METAL CONTENT (ppm unless specified)

E Z Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

SHEET 2.

Project	: Mt. Black	Material	: stream sediments	Size Fraction Analysed	: -80#
Locality	: Malone - Dundas	Sample Method	:	Analysed By	:
Grid Name	:	Sampled By	:	Method	:
Nominal Grid Azimuth	:	Date	:		

METAL CONTENT (ppm. unless specified)

SAMPLE NUMBER	Mo	Co	Cr	Bi	Sb	Hg	Ba	F
44001		25	380					
002		30	360					
003		30	380					
004		50	600					
005		30	590					
006		25	460					
44007		60	560					

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GEOCHEMICAL SAMPLE DATA SHEET

SHEET – 1

Project : Mt Block EL1/62
Locality : Natone – Dundas
Grid Name :
Nominal Grid Azimuth :

Material : Stream Sediments
Sample Method : Grab of total load
Sampled By : J. McNaught & R. Claydon
Date : 25 FEB 1980

Size Fraction Analysed : –80#
Analysed By : A.C.S.
Method : AAS, Sn, W by XRF

SAMPLE NUMBER	Grid Line No N / Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	Stream Order	Direction of Flow	Width	Active Stream Load	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe %	Mn	As	Sn	W
44701	✓ x	5362840	376010											15	60	20	<2		0·90	50	<5	<10	<10
702	✓ x	5363185	376190											20	55	30	<2		1·10	50	<5	<10	40
703	✓ x	5363215	375685											20	50	65	<2		2·70	1500	25	<10	<10
704	✓ x	5363250	375900											15	55	20	<2		1·00	85	<5	<10	20
705	✓ x	5363270	375945											10	40	45	<2		1·40	90	25	<10	60
706	✓ x	5363060	375785											30	45	65	2		2·90	780	20	<10	<10
707	✓ x	5361125	375570											15	25	30	<2		1·10	250	<5	<10	<10
708	✓ x	5361130	375560											10	20	35	<2		1·30	200	10	<10	<10
709	✓ x	5360770	375350											5	25	30	<2		1·50	450	<5	<10	<10
710	✓ x	5360790	375320											10	50	60	2		2·40	2100	<5	<10	<10
711	✓ x	5360945	375410											5	15	30	<2		1·20	350	<5	<10	10
712	✓ x	5361180	375340											5	60	40	<2		1·50	590	<5	<10	<10
713	✓ x	5361310	375300											5	50	40	<2		2·20	1400	20	<10	<10
714	✓ x	5361390	375450											10	15	40	<2		1·40	440	<5	<10	<10
715	✓ x	5361685	375440											10	15	20	<2		1·50	380	<5	<10	<10
716	✓ x	5363025	375860											5	25	35	<2		0·80	70	<5	<10	<10
717	✓ x	5362835	375890											10	20	20	<2		1·20	160	<5	<10	<10
718	✓ x	5362700	375795											5	20	15	<2		0·50	40	<5	<10	<10
719	✓ x	5362575	374230											10	70	65	<2		3·80	5200	<5	<10	<10
44720	✓ x	5362590	374260											5	45	30	<2		1·70	90	<5	<10	<10
		53	3																				
		53	3																				
		53	3																				
		53	3																				
		53	3																				
		53	3																				
		53	3																				
		53	3																				
		53	3																				

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E Z Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

SHEET 2.

Project	: Mt. BLACK	Material	: STREAM SEDIMENTS	Size Fraction Analysed	:
Locality	: Waters Dundas	Sample Method	:	Analysed By	:
Grid Name	:	Sampled By	:	Method	:
Nominal Grid Azimuth	:	Date	:		

METAL CONTENT (ppm. unless specified)

SAMPLE NUMBER	Mo	Co	Cr	Bi	Sb	Hg	Ba.	F
44701		30	410					
702		25	430					
703		45	340					
704		35	560					
705		30	130					
706		45	540					
707		40	390					
708		40	350					
709		45	320					
710		80	650					
711		55	460					
712		55	270					
713		70	360					
714		55	620					
715		55	410					
716		45	320					
717		40	450					
718		45	270					
719		110	370					
44720		50	200					

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APPENDIX H: Petrological Reports - Natone Pan Concentrates

704159

JOHN F. GILFILLAN & ASSOCIATES PTY. LIMITED

MINERAL EXPLORATION AND GEOLOGICAL CONSULTANTS
PETROLOGY IN ASSOCIATION WITH Dr. B.J. BARRON

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19 MAR 1982

PETROGRAPHIC EXAMINATION OF TWO

HEAVY MINERAL CONCENTRATES

NATONE - DUNDAS AREA.

Report No: E3/81/152

12th March, 1982.

For: Electrolytic Zinc Company of Australasia Ltd.

Dr. B.J. Barron,
Petrologist.

7TH FLOOR, 77 PACIFIC HIGHWAY, NORTH SYDNEY, N.S.W. 2060 AUSTRALIA

Sample No. 43930 5,362,030 N ; 375,220 E

Thin Section This sample of mineral concentrate has an average grain size of about 0.4 mm across, (or that of medium grained sand) with sparse lithic grains exceeding 1 mm across.

The oxide fraction of the sample accounts for approximately 30% of the total, and subhedral cubic crystals of red-brown chromite predominate. Subordinate elongate prismatic to rather irregular shaped opaque grains of a ?titaniferous oxide, possibly ilmenite are partly to completely altered to white leucoxene. Also present is an oxide related to the chromite, which is a more chocolate brown colour and thus probably contains more of the magnetite molecule. Sparse opaque oxide grains have distinctly cubic shapes and these are apparently magnetite since a small part of the sample is distinctly magnetic.

The crystal fraction comprising about 35% of the sample, is almost invariably highly angular, and consists largely of three types of pyroxene. The most abundant is orthopyroxene, with common clinopyroxene, and subordinate but common bronzite (fine intergrowth between ortho- and clino-pyroxene). Also present are very rare grains of colourless garnet, sphene, hematite and several grains of calcic plagioclase.

The lithic component accounts for a further 35% of the concentrate, and several different types are present. The shapes of these grains ranges from quite well rounded to fairly angular. This fraction includes mostly very fine grained, sericite-rich foliated siltstone, most of which is partly oxidised and stained by limonitic products, due to partial weathering. A second type includes fine grained, foliated and sericised quartz arenite, as well as several aggregates from an ultrabasic lithology, including large ortho-pyroxene grains with an attached rim of lath shaped feldspar crystals. Rare accessory aggregates include plagioclase-chlorite and quartz-sphene.

Sample No. 43931 5,361,460 N ; 374,430 E

Thin Section This sample of heavy mineral concentrate has a slightly smaller average grain size than the previous sample (43930), of about 0.2 mm across, or that of fine sand. It comprises mostly angular grains.

Only about 10% of the sample comprises opaque oxide grains and these include a small proportion of magnetic magnetite octahedra, rare grains of nearly opaque to red-brown chromite, and several titaniferous oxide grains that have been totally altered to white leucoxene. Rare elongate prismatic opaque oxide crystals possibly are ilmenite.

The crystal fraction accounts for approximately 85% of the sample, and includes abundant orthopyroxene, common clinopyroxene and numerous scattered grains of a bronzite-like pyroxene with a fine ortho-pyroxene-clinopyroxene intergrowth. Present also are rare grains of olive green hornblende, a colourless garnet, rare grains of calcic plagioclase and a single large subhedral crystal of yellow-brown to straw coloured tourmaline.

The lithic fraction comprising less than 5% of the total sample, includes several sparse, very fine grained foliated grains of sericite-rich siltstone, several large grains of quartz with narrow rims of red-brown hematite and chlorite, and rare grains of microgranular, partly recrystallised quartz. Also present are rare aggregates of coarse clinopyroxene-orthopyroxene-plagioclase (clearly from an ultrabasic source), and rounded grains of almost completely oxidised siltstone which are converted almost entirely to hematite.

7041162

COMPARISON OF SEPARATION CHARACTERISTICS OF THE TWO SAMPLES

	SAMPLE 43930		SAMPLE 43931	
	WEIGHT (g)	%	WEIGHT (g)	%
> 1.00 mm DIAMETER	39	17.8	165	35.7
< 2.70 S.G. LIGHTS	166	75.8	275.5	59.6
> 2.70 S.G. HEAVIES	14	6.4	22	4.7
TOTAL	219	100	462.5	100

APPENDIX I: Drill Hole Logs - DCP 235

ELECTROLYTIC ZINC CO. OF A'ASIA LTD
ROSEBERY – TASMANIA

DIAMOND DRILL CORE RECORD

HOLE No. DCP 235
Sheet 1 of 11

LOCATION Mt. BLACK E.L.1/62 DOBSONS CREEK GRID	Depth	Direction	Dip.	Footage	Direction	Dip.	COLLAR DIP. -45°	TOTAL DEPTH 161.4m
OBJECTIVE To test a coincident gradient array I.P. anomaly and Pb-Zn soil	35m	320° AMG.	-46°				DIRECTION 322° A.M.G.	HOLE SIZE 0-30m NQ; 30-161.4m BQ
geochemical anomaly.	77m	324° "	-46.5°				R.L.	COMMENCED 22 FEB 1982
RESULT	119m	327.5° "	-46°				COORDINATES Grid. 8,270S. 2455E	COMPLETED 20 MARCH 1982
	161m	331° "	-46°				AMG.	LOGGED BY I.P. McD.

Depth (m) FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	Pb%	Zn%	Cu%	Ag-oz	Au-dwts	Fe%			CORE REC'D RUN	SHORT
0	3.30	No. Core recovery.	0-26m limonite staining on													4.3	3.3
			joints No sulphide													5.17	0.1
3.30	5.00	Grey weakly thin bedded Siltstone and	textures.													5.5	
		minor fine grained volcaniclastic wacke.	26.0m is approximate base													6.0	
		Bedding at 55° mostly 3.3-4.1m. Variable	of weak oxidation													7.1	
		oxidation outlines possible ?slump breccia														8.1	0.18
		texture 4.1 to 5.0m. Cleavage weak;														9.2	
		moderate in more shaley fragments @ 35°														10.7	
		Core moderately broken.														11.4	
																12.0	
5.00	5.85	Grey medium grained reworked lithic,														12.15	
		crystal tuff of Acid composition with														12.75	
		abundant 0.8mm chloritic shale fragments														13.45	
		Bedding absent. Moderate to strong jointing														14.4	
		at 15° and 30°.														16.5	
																18.8	
5.85	6.80	Dark grey massive Siltstone. Oxidation														19.35	
		along joint sets gives core a blocky														20.25	
		brecciated appearance														20.7	
																22.15	
6.80	8.60	Pale greenish buff, moderately oxidised,														23.1	
		medium grained, reworked, lithic, crystal														24.0	
		acid tuff, with rolled quartz and														25.75	
		feldspar phenocrysts and chloritic shale														26.55	
		liths.														27.25	
		Contains thin (20mm) interbeds ? or large														30.00	0.35
		fragments of grey Siltstone. ?Bedding														30.7	
		at 50°														33.1	

ELECTROLYTIC ZINC CO OF A'ASIA LTD
ROSEBERY – TASMANIA

DIAMOND DRILL CORE RECORD

HOLE No. D.C.P 235

SHEET 2. of 11

DEPTH (m) FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA Sample Length	Pb%	Zn%	Cu%	Ag - g/t	Au - g/t	Fe%		CORE REC'D RUN	SHORT
8·6	10·4	Zone of moderately broken core.														36·25	
		Strong jointing at 10° and 40° ? Inter-														39·1	
		bedded grey siltstone and fine grained														39·8	
		reworked acid tuff as per above.														41·35	
																41·95	
10·4	13·1	Dominantly medium grained reworked														44·30	
		lithic crystal tuff as above with														46·60	
		minor siltstone ? interbeds Weak														47·45	
		grading in the tuff suggests up-hole														49·8	
		(i.e. east) facing. Strong jointing														49·65	0·1
		still prominant. Sharp lower contact														52·75	
		at 45°														55·75	
																58·7	
13·1	17·8	Zone of interbedded grey Siltstone, which														61·45	
		is variably oxidised to buff clay rich														62·1	
		materiel, and fine to medium grained														65·0	
		reworked lithic crystal acid tuff as per														67·7	0·4
		descriptions above, with intermediate														68·4	
		fine grained and fine to medium grained														69·05	0·1
		volcaniclastic wacke' units between														70·75	1·45
		the two end members.														73·9	
		13·1 – 13·8 Graded unit from siltstone down														77·0	
		into f-m.g. tuff with a sharp														80·0	
		lower contact at 45° Implies														83·0	
		up-hole, east, facing.														86·0	
		13·8 – 15·0 Mainly siltstone with whispy														89·0	
		bands of coarser tuffaceous														92·0	
		materiel														93·5	0·1
		15·0 – 15·45 Reworked tuff coarsening														96·7	
		downwards to sharp contact														98·0	
		with siltstone at 55°														98·65	0·1
		15·45 – 16·9 Graded unit coarsening														102·0	

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ELECTROLYTIC ZINC CO OF A'ASIA LTD
ROSEBERY — TASMANIA

DIAMOND DRILL CORE RECORD

HOLE No. D.C.P. 235

SHEET 3 of 11

DEPTH (m)		ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA								CORE REC'D	
FROM	TO							Sample Length	Pb%	Zn%	Cu%	Ag - g/t	Au - g/t	Fe%		RUN	SHORT
		downwards. Lower contact														105	
		broken core.														107	
		16.9 - 17.8 Mainly siltstone with a														110	
		reworked tuff band at the base														113	
		and sharp basal contact @ 45°														115.6	
																118.7	
17.8	28.0	Dominantly grey, variably oxidised.														121.75	
		generally massive, siltstone with														124.9	0.45
		minor thin fine grained volcanic wacke														125.7	
		bands increasing towards the base.														128.0	
		Weak bedding @ 55° Lower contact														129.15	
		slightly diffuse @ 40°														130.0	
																133.0	
28.0	40.3	Interbedded grey massive siltstone.	Irregular traces of fine													134.0	
		and grey fine to medium grained	grained disseminated pyrite													137.0	
		reworked crystal lithic tuff with feldspar	and rare pyrite smeared on													140.0	
		phenocrysts, white rhyolitic liths and	joint faces. Many joint faces													143.0	0.55
		chloritic shaley liths. Gradational between	are limonite stained													143.85	
		the main members are minor amounts														147.0	
		of fine grained and fine to medium grained														1501	
		volcanic wacke														151.2	
		28.0 - 29.85 Graded unit, east facing, lower														153.7	
		contact 35°														156.5	
		29.85 - 30.15 Graded unit, east facing, lower														159.3	
		contact 25°														161.0	
		30.15 - 30.45 Graded unit, east facing, lower														161.4	
		contact irregular															
		33.05 - 33.35 Graded unit, east facing, lower															
		contact 45°															
		33.35 - 34.0 Graded unit, east facing, lower															
		contact 40°															
		Lower contact diffuse															

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ELECTROLYTIC ZINC CO OF A'ASIA LTD
ROSEBERY – TASMANIA

DIAMOND DRILL CORE RECORD

HOLE No. D.C.A 235
Sheet 4 of 11

DEPTH (m) FROM	TO	ROCK DESCRIPTION	MINERALISATION
40·3	42·9	Dark grey weakly bedded siltstone with rare thin carbonate rich bands and thin carbonate veinlets. Bedding 45° Incipient cleavage 10° Lower contact gradational.	Trace to 1% disseminated fine grained pyrite.
42·9	52·8	Interbedded grey siltstone, fine grained volcaniclastic wacke, and fine to medium grained reworked crystal lithic tuff as above, with rare thin carbonate veinlets 44·75 – 45·3 Graded unit, east facing, lower contact 35° 46·8 – 49·1 Core moderate to strongly broken 49·1 – 52·8 Units more regularly interbedded & graded units, all indicate east facing Lower contact diffuse 30°	46·8-49·1 Weak limonite staining on joint faces.
52·8	54·3	Thinly interbedded grey and dark grey siltstones Bedding 35° Incipient Cleavage 5° Rare carbonate veins or ? bands parallel bedding.	Rare thin carb veins carry up to 30% fine grained disseminated pyrite. Total sulphide less than 1%.
54·3	60·0	Dark grey to black siltstone with thin (2-5 mm) Carbonate rich bands. Bedding 25° Incipient cleavage sub parallel to core. 57·1-57·2 Thicker pale grey carbonate rich band. Lower contact ? healed breccia with carbonate veins and clots.	1-2% Pyrite overall, associated with carbonate veins. Up to 40% pyrite in 2mm veins. 59·9-60·0 5% fg disseminated pyrite in zone of strong carbonate veins and clots

SAMPLE NO.	FROM	TO	CORE REC'D	Sample Length	ASSAY DATA
					Under Sample No. S indicates a split core sample
					G indicates a grind core sample
456146G	0	5·0	1·60	5·00	
15	5·0	5·85	0·85	0·85	
16	5·85	6·80	0·95	0·95	
17	6·80	8·60	1·65	1·80	
18	8·60	10·40	1·80	1·80	
19	10·40	13·10	2·70	2·70	
20	13·10	17·80	4·70	4·70	
21	17·80	22·00	4·20	4·20	
22	22·00	25·00	3·00	3·00	
23	25·00	28·00	3·00	3·00	
24	28·00	30·45	2·10	2·45	
25	30·45	34·00	3·55	3·55	
26	34·00	37·00	3·00	3·00	
27	37·00	40·30	3·30	3·30	
28	40·30	42·90	2·60	2·60	
29	42·90	46·80	3·90	3·90	
30	46·80	49·10	2·20	2·30	
31	49·10	52·80	3·70	3·70	
32	52·80	54·30	1·50	1·50	
33	54·30	57·00	2·70	2·70	
456346G	57·00	60·00	3·00	3·00	
456355S	60·00	61·00	1·00	1·00	
36	61·00	62·00	1·00	1·00	
37	62·00	62·80	0·80	0·80	
38	62·80	63·10	0·30	0·30	
39	63·10	63·40	0·30	0·30	
40	63·40	64·00	0·60	0·60	
41	64·00	65·00	1·00	1·00	
456425S	65·00	66·00	1·00	1·00	

ELECTROLYTIC ZINC CO OF A'ASIA LTD
ROSEBERY – TASMANIA

DIAMOND DRILL CORE RECORD

HOLE No. DCP 235

DEPTH (m) FROM	TO	ROCK DESCRIPTION	MINERALISATION
60·0	62·8	Black Siltstone possibly carbonaceous with thin carbonate veinlets and bands. Weak bedding 30°. Weak cleavage 10° Lower contact gradational. 61·1 Sample No 35191 for thin section.	60·0 - 63·4. Fine grained disseminated pyrite in carbonate veins and as trace trails along the cleavage. Total sulphides about 3%. Some pyrite rich bands appear to be graded with coarser pyrite grains at the base.
62·8	63·1	Grey massive Siltstone. Lower Contact gradational	
63·1	63·4	Grey, fine to medium grained, reworked crystal lithic acid tuff, coarsening to the base. Feldspar crystals, white rhyolitic liths, and dark green chloritic shaley liths. Lower contact 15°	
63·4	64·0	Dark grey bedded Siltstone. Bedding 35°. Thin carbonate veinlets increase towards the base. Lower contact gradational.	5% fine-grained disseminated pyrite in the bedding.
64·0	67·7	Black Siltstone with thin carbonate veinlets as per 60·0 - 62·8 m. 65·15 - 65·25 White quartz vein at about 40°. Core broken. Lower contact broken core. Only 0·3m of chips recovered from 67·0 - 67·7	2-3% disseminated fine grained pyrite and disseminated pyrite in carbonate veins.
67·7	68·9	Zone of very broken core composed dominantly of grey fine grained reworked crystal lithic acid tuff. and fine to medium grained volcaniclastic wacke. 68·0 - 68·1 White Quartz vein.	

SAMPLE NO.	FROM	TO	CORE REC'D	Sample Length	ASSAY DATA
456435	66·00	67·00	1·00	1·00	
456445	67·00	67·70	0·30	0·70	
456456	67·70	68·90	1·20	1·20	
46	68·90	70·75	0·30	1·85	
47	70·75	73·65	2·90	2·90	
48	73·65	76·65	3·00	3·00	
49	76·65	77·05	0·40	0·40	
50	77·05	78·40	1·35	1·35	
51	78·40	79·10	0·70	0·70	
52	79·10	83·00	3·90	3·90	
53	83·00	87·00	4·00	4·00	
54	87·00	87·65	0·65	0·65	
55	87·65	90·70	3·05	3·05	
56	90·70	94·20	3·40	3·50	
57	94·20	97·70	3·50	3·50	
58	97·70	99·00	1·20	1·30	
59	99·00	101·10	2·10	2·10	
60	101·10	101·90	0·80	0·80	
61	101·90	105·00	3·10	3·10	
62	105·0	108·00	3·00	3·00	
63	108·0	110·50	2·50	2·50	
64	110·5	113·20	2·70	2·70	
65	113·2	115·00	1·80	1·80	
66	115·0	118·25	3·25	3·25	
67	118·25	119·20	0·95	0·95	
68	119·20	120·60	1·40	1·40	
69	120·60	121·25	0·65	0·65	
456706	121·25	124·90	3·20	3·65	
456715	124·90	125·20	0·30	0·30	
72	125·20	125·75	0·55	0·55	
73	125·75	126·00	0·26	0·25	
456745	126·00	126·90	0·90	0·90	

ELECTROLYTIC ZINC CO OF A'ASIA LTD
ROSEBERY — TASMANIA

DIAMOND DRILL CORE RECORD

HOLE No. D.C.P. 235
Sheet 6 of 11

DEPTH (m) FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	Sample Length	ASSAY DATA
68·90	76·65	Black and minor dark grey siltstone	1-2% fine grained disseminated	45675S	126·90	127·15	0·25	0·25	
		with rare thin carbonate veins and	pyrite, mostly associated with	76	127·15	127·75	0·60	0·60	
		bands parallel to the bedding @ 40°	carbonate bands where it is up	45677S	127·75	128·15	0·40	0·40	
		Major core loss between 69·05 and 70·75	to 25% of a band.	45678G	128·15	129·60	1·45	1·45	
		may have been a zone of carbonate veins		79	129·60	132·30	2·70	2·70	
		as some chips are strongly carbonate		80	132·30	133·25	0·95	0·95	
		veined. Lower contact sharp 45°		81	133·25	136·00	2·75	2·75	
				82	136·00	138·70	2·70	2·70	
76·65	77·05	Grey fine to medium grained, reworked, crystal	Trace fine grained disseminated	83	138·70	139·30	0·60	0·60	
		lithic tuff and. White rhyolitic liths, green	pyrite.	84	139·30	142·00	2·35	2·70	
		chloritic shaley liths, quartz and feldspar		85	142·00	143·90	1·70	1·90	
		crystals. Lower contact 50° .		86	143·90	145·80	1·90	1·90	
				87	145·80	146·75	0·95	0·95	
77·05	78·40	Grey and dark grey Siltstone Thin carbon-	Pyrite approximately 1% total	88	146·75	149·00	2·25	2·25	
		ate veins lie along the bedding at 45°	as thin (0·5mm) bands in the	89	149·00	151·20	2·20	2·20	
		Grey units are weakly silicified. Lower	bedding	90	151·20	155·00	3·80	3·80	
		contact gradational.		91	155·00	158·00	3·00	3·00	
				45692G	158·00	161·40	3·40	3·40	
78·40	79·10	Grey bedded fine-grained crystal vitric	1% pyrite on joint surfaces and	----					
		and tuff. Feldspar crystals up to 0·5mm	in very fine veins						
		in a silicified matrix. Bedding 50°							
		Lower contact gradational.							
79·10	87·00	Pale grey very fine grained massive vitric							
		tuff. Strongly silicified							
		79·25 - 79·45 Irregular band of coarse							
		grained feldspar crystals and							
		rhyolitic lithic fragments							
		80·2 - 80·4 Zone of microfaulting and weak							
		breccia. A small fault plane at							
		15° has a dextral movement.							
		83·0 Sample No 35192 for thin section							

ELECTROLYTIC ZINC CO OF A'ASIA LTD
ROSEBERY – TASMANIA

DIAMOND DRILL CORE RECORD

HOLE No. DCP 235

DEPTH (m) FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA Pb%	Zn%	Cu%	Ag - oz	Au - dwts	Fe%			CORE REC'D RUN	SHORT
		Lower contact is diffuse through a zone of very strongly silicified breccia.															
87.00	87.65	White/grey, medium grained, reworked, lithic ?dacite tuff. Rounded and elongate liths up to 5mm long are very feldspar rich. Lower contact is irregular about 55° with quartz carbonate veins and weak brecciation.															
87.65	101.1	Pale grey, massive, very fine grained, crystal vitric acid tuff. Silicification slightly variable but generally strong. Thin carbonate veins, up to 3mm thick, in several orientations have an average density about 1 per 80mm. 97.7 - 99.0. Zone of very broken core. Lower contact 35° at the base of a 0.5m zone of slightly increasing grainsize.															
101.1	101.9	Greenish Grey fine to medium grained, lithic crystal acid tuff. Feldspar crystals and small shaley lithic fragments. Lower contact gradational - shale liths gradually dissapear.															
101.9	110.5	Pale greenish-grey fine grained massive vitric crystal acid tuff. Lower contact a very gradational change into the next unit.	Trace fine-grained disseminated pyrite														

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ELECTROLYTIC ZINC CO OF A'ASIA

ELECTROLYTIC ZINC CO OF A'ASIA LTD
ROSEBERY – TASMANIA

DIAMOND DRILL CORE RECORD

HOLE No. D.C.P. 235

DEPTH (m) FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA Pb%	Zn%	Cu%	Ag - oz	Au - dwts	Fe%			CORE REC'D RUN	SHORT
		104.0 Sample No. 35193 for thin section.															
110.50	118.25	Grey mottled, medium and medium to coarse grained porphyritic lithic acid tuff. Weakly silicified with weak irregular chloritisation. Vague ?collapsed pumice textures suggest ash flow origin. 112.8 Siltstone fragment 80 mm long. 113.2 Siltstone fragment 100 mm long. 114.9-115.0 Band of fine grained lithic crystal tuff as per 101.1 to 101.9. Both contacts 55° but may only be large lithic fragment. Lower contact 25°															
118.25	119.20	Grey fine to medium grained lithic crystal tuff as per 101.1 to 101.9 Lower contact 35°															
119.20	120.60	White/grey medium to coarse grained, porphyritic, crystal lithic acid tuff. Coarse liths of white rhyolite and dark grey siltstone. Moderately silicified. Weak alignment of larger liths defines a weak foliation at 30° Lower contact sharp 30°															
120.60	121.25	Pale grey, very fine grained, bedded vitric acid tuff or volcaniclastic siltstone. Moderately to strongly silicified. Bedding 35° 121.06-121.12. Band of medium grained															

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ELECTROLYTIC ZINC CO OF A'ASIA LTD

ELECTROLYTIC ZINC CO OF A'ASIA LTD
ROSEBERY – TASMANIA

DIAMOND DRILL CORE RECORD

HOLE No. D.C.P. 235

DEPTH (m) FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	Pb%	Zn%	Cu%	Ag - oz	Au - dwts	Fe%			CORE REC'D RUN	SHORT
		lithic tuff Lower contact sharp but irregular about 40°															
121.25	124.9	White/grey medium to coarse grained porphyritic, crystal lithic, ?ash flow tuff, with coarse rhyolite and siltstone liths. Some bands of siltstone occur at consistant core angles. These may be interbeds but more probably are large lithic fragments or rafts. 121.9 - 121.96 Siltstone band at 40° 122.2 - 122.3 " " " 65° 122.4 - 122.5 " " " 45° Lower contact lost in zone of broken core and poor recovery. Most of 124.45 to 124.9 is lost core.															
124.9	125.2	White massive quartz vein.															
125.2	125.75	?Fault Zone. Broken core made up of white quartz vein and inclusions of black pyritic siltstone.	2-3% fine grained disseminated pyrite in the siltstone fragments.														
125.75	126.0	Grey, fine to medium grained, massive, crystal lithic acid tuff with feldspar crystals, small rhyolitic liths and small shaley liths.	2-3% fine grained disseminated pyrite plus 1% fine grained brown sphalerite in rare thin carbonate veins.														
126.0	126.9	Dark grey, weakly bedded siltstone. Bedding at 45° 126.35 - 126.5 Band of medium to coarse grained lithic tuff as per 121.25 - 124.9	5% fine grained disseminated pyrite mainly in the bedding planes.														

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ELECTROLYTIC ZINC CO OF A'ASIA LTD
ROSEBERY – TASMANIA

DIAMOND DRILL CORE RECORD

HOLE No. DCP 235
sheet 10 of 11

DEPTH (m) FROM	TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	Pb%	Zn%	Cu%	Ag - oz	Au - dwts	Fe%			CORE REC'D RUN	SHORT
		Contacts irregular. Lower contact 65°															
126·90	127·15	Grey fine to medium grained crystal lithic tuff as per 125·75 to 126·0 Lower contact irregular about 65°	3% fine grained disseminated pyrite.														
127·15	127·75	Grey and pale grey strongly silicified siltstone. Lower contact gradational	1% fine to medium grained patchy disseminated pyrite														
127·75	128·15	Pale grey to cream. strongly silicified and moderately sericitised vitric, crystal, lithic acid tuff. Rhyolitic and siltstone liths occur up to 5mm long. Lower contact gradational.															
128·15	129·6	Essentially the same rock as above but with a strong pink ?K-feldspar? alteration, and weak limonite staining The unit is strongly jointed with much broken core 128·6–129·0 Dark grey very fine grained vitric tuff with quartz and K-feldspar veins Lower contact gradational	Weak limonite staining.														
129·6	132·3	Pale grey to cream, fine grained, strongly silicified lithic tuff. ?Liths are all strongly silicified. Textures almost obliterated															
132·3	133·25	Cream totally silicified rock. Almost															

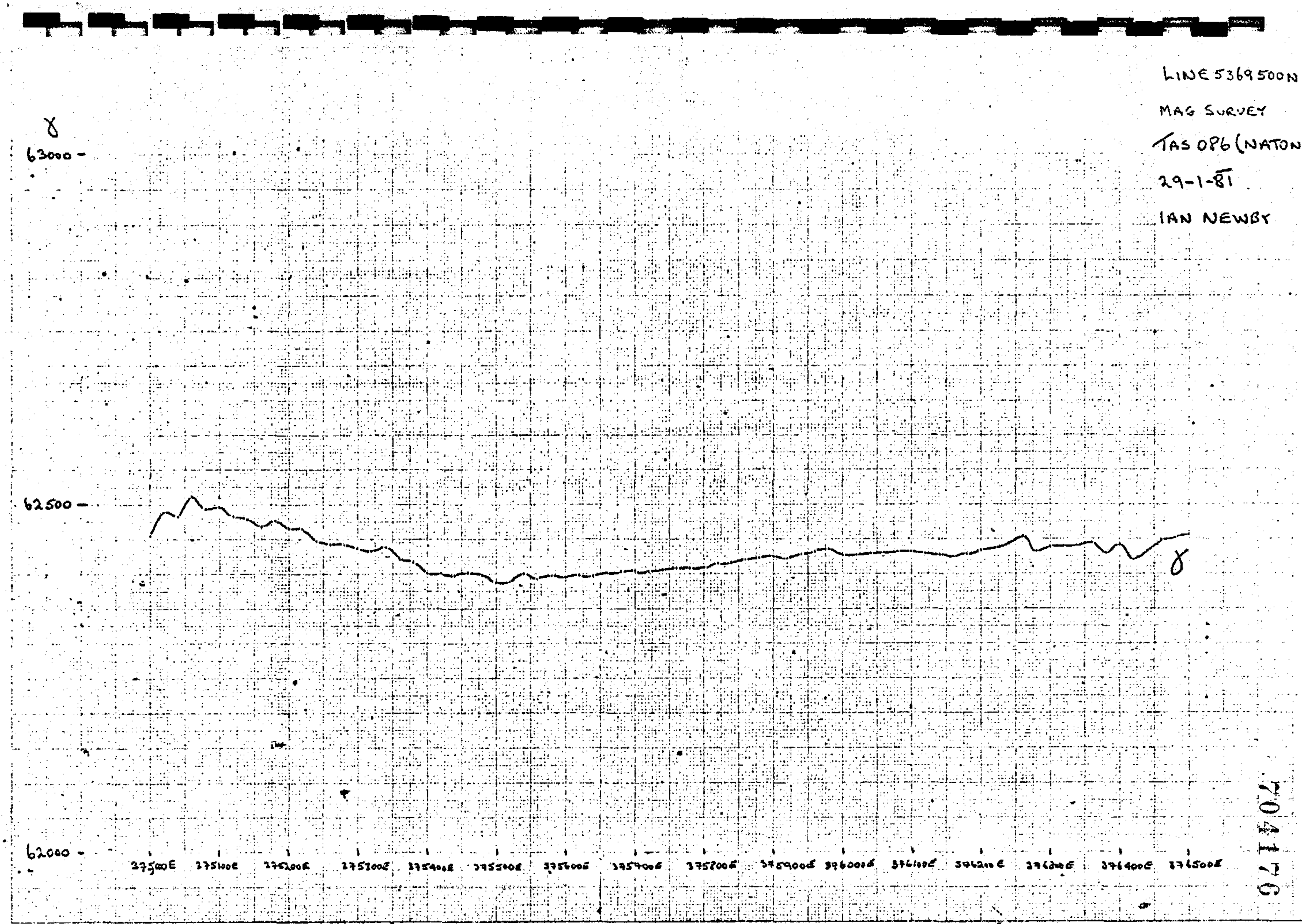
ELECTROLYTIC ZINC CO OF A'ASIA LTD
ROSEBERY – TASMANIA

DIAMOND DRILL CORE RECORD

HOLE No. DCP 235
Sheet 11 of 11

DEPTH (m) FROM	DEPTH (m) TO	ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA Pb%	Zn%	Cu%	Ag - oz	Au - dwts	Fe%			CORE REC'D RUN	SHORT
		all secondary quartz. Vague relict textures suggest it is a lithic tuff as above. Contacts gradational															
133.25	146.75	Pale grey to cream, mottled, fine grained strongly silicified lithic tuff. White volcanic liths are almost totally silicified. Rare ?shale liths. Rare thin carbonate veins occur filling small fractures. 138.7 – 139.3 Zone of broken vuggy core with limonite staining. 143.9 – 145.8 Increasing large (up to 8mm) shale liths. 145.8 – 146.75 Decreasing silicification. Core has more granular texture possibly indicating ?reworked tuff Lower contact gradational	Rare fine grained pyrite associated with carbonate veins frequently oxidised to limonitic stain. limonite possibly after pyrite about 2%.														
146.75	151.2	Pink and grey-green mottled fine to medium grained massive crystal lithic tuff. Weakly silicified. Pink colour due to ?K-feldspar? alteration Contacts gradational 149.9 Sample No 35194 for thin section.															
151.2	161.4	Grey-green, fine to medium grained, porphyritic crystal lithic acid tuff. Moderately silicified and weakly chloritised with thin chloritic veinlets. 157.8 Sample No 35195 for thin section															
		END OF HOLE 161.4 m.															

APPENDIX J: Ground Magnetics - Natone Central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TAS 086 (NATON
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IAN NEWBY
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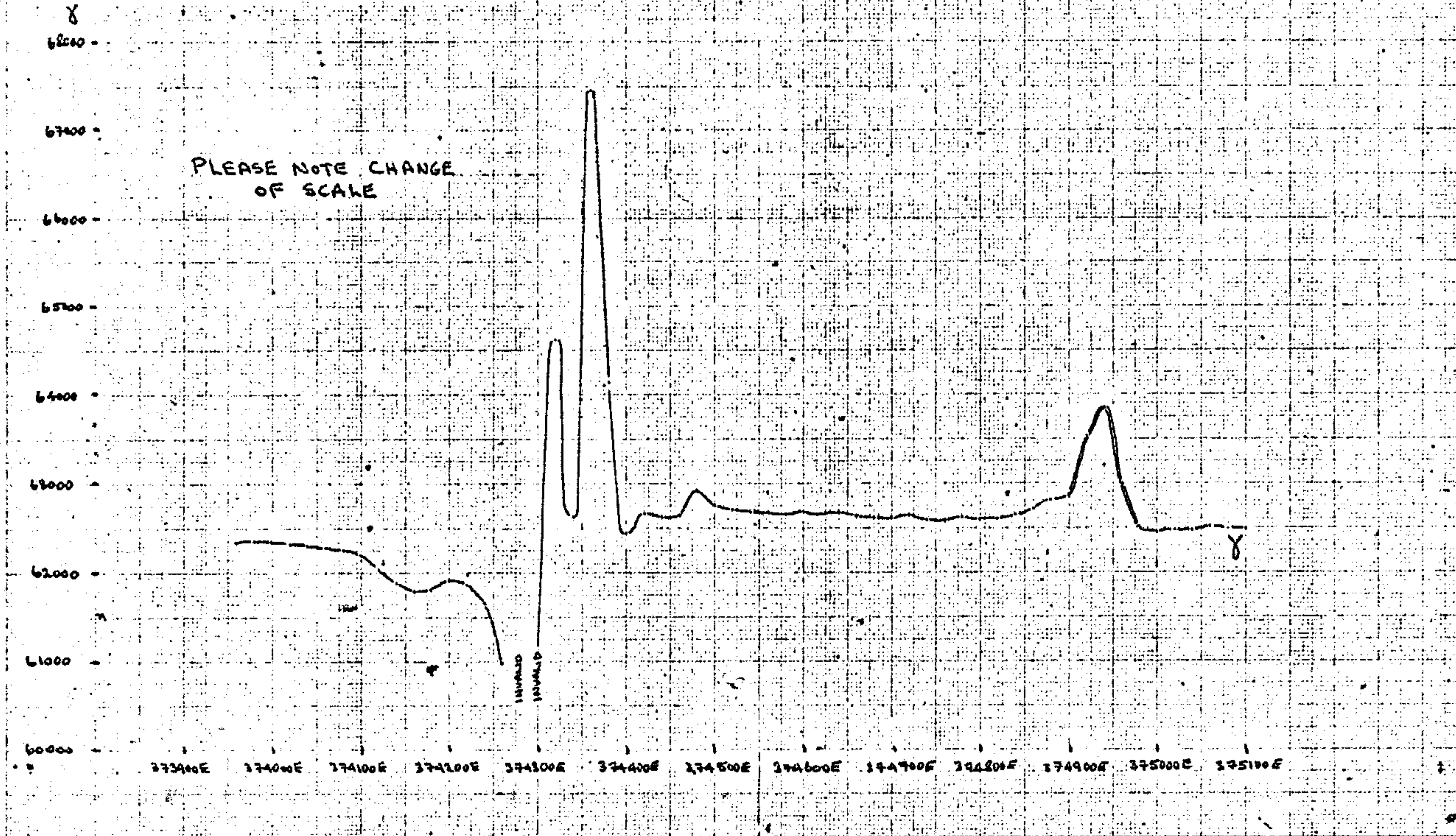

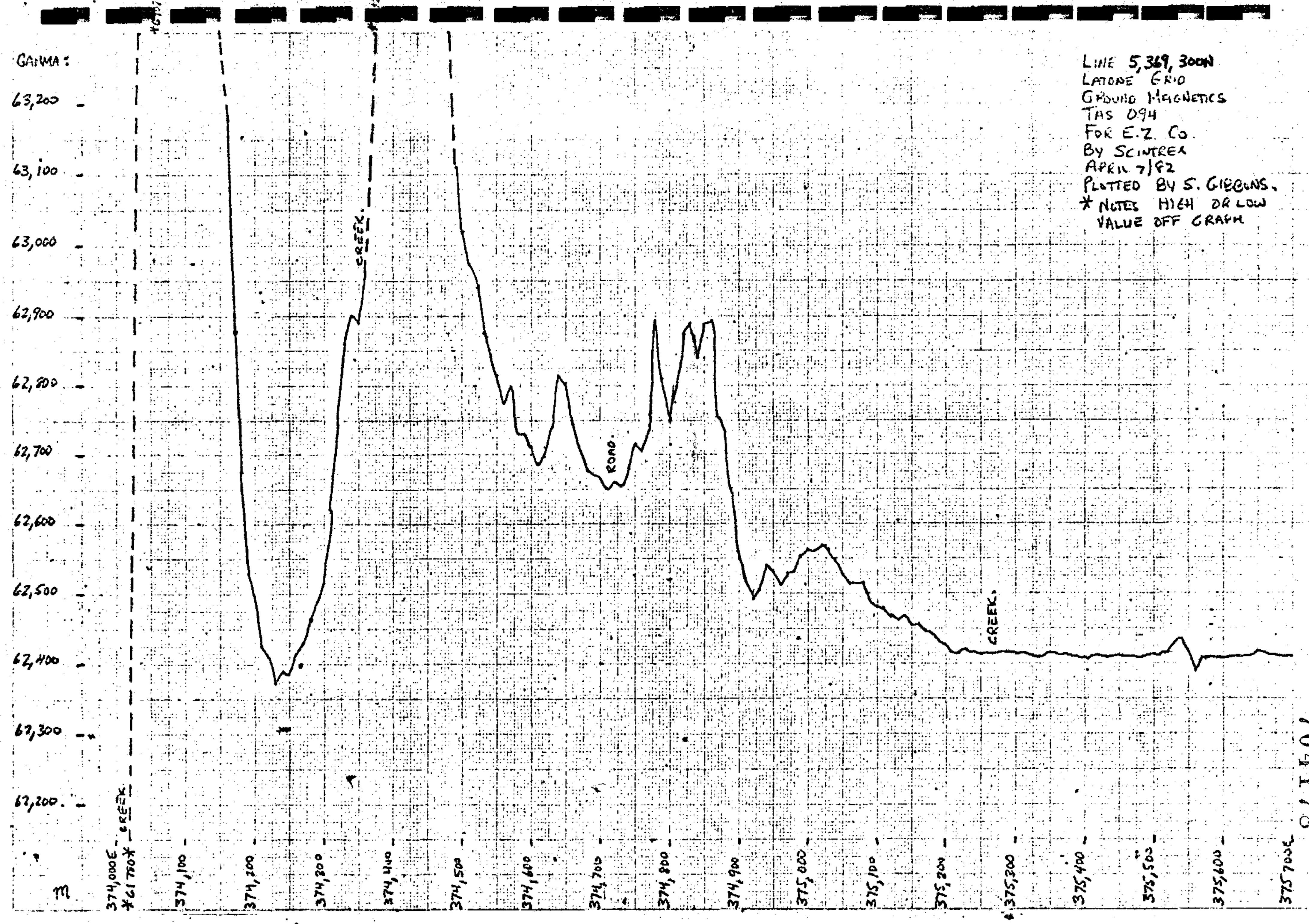

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LINE 5,369, 300N
LATONE GRID
GROUND MAGNETICS
TAS 094
FOR E.Z. CO.
BY SCINTREX
APRIL 7/82
PLOTTED BY S. GIBBONS.
* NOTES HIGH OR LOW
VALUE OFF GRAPH
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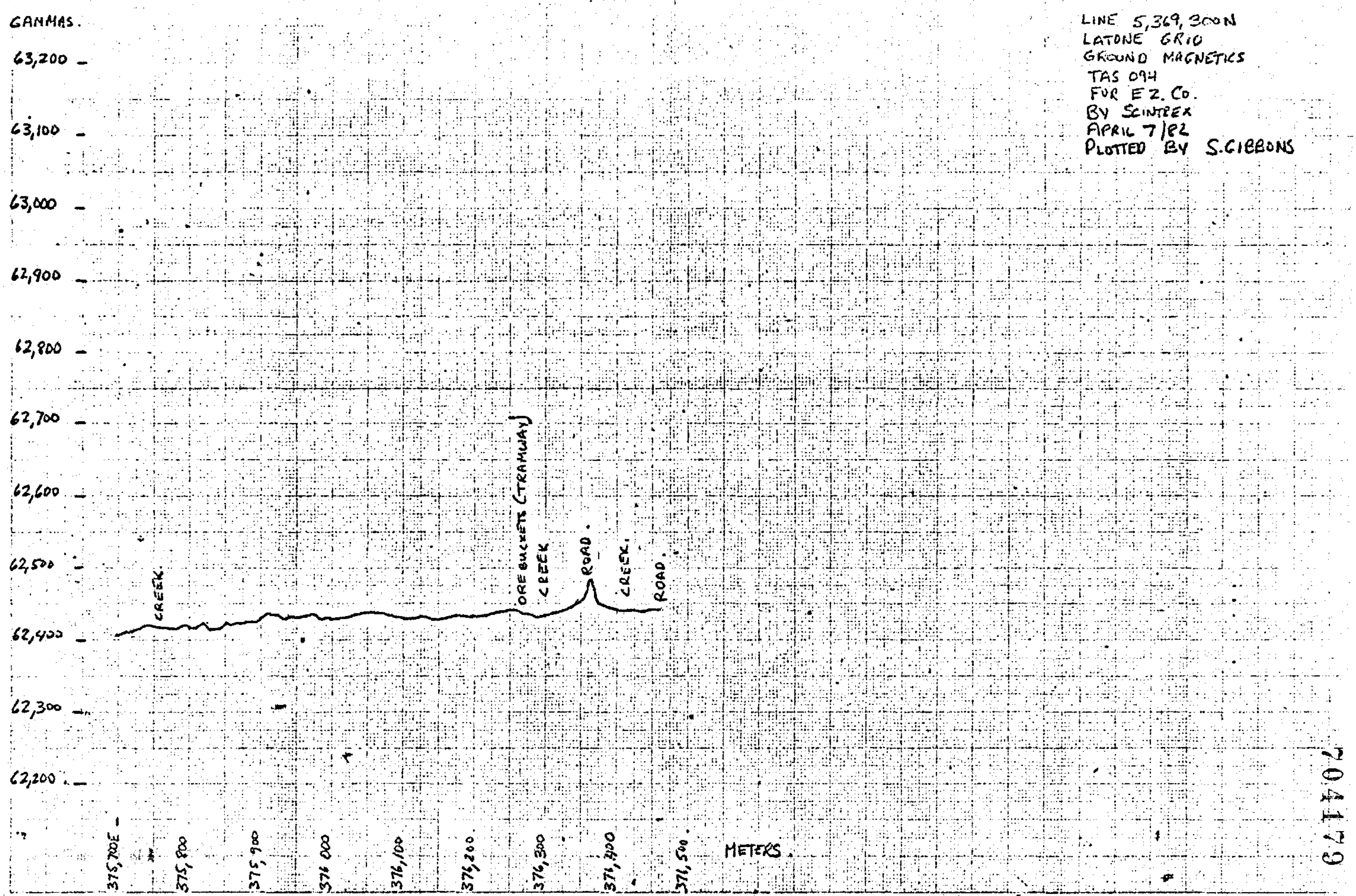
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LINE 5,369,300N
LATONE GRID
GROUND MAGNETICS
TAS 094
FOR E Z. Co.
BY SCINTREX
APRIL 7/82
PLOTTED BY S.GIBBONS
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ORE BUCKETS (TRAMWAY)
CREEK
ROAD.
CREEK.
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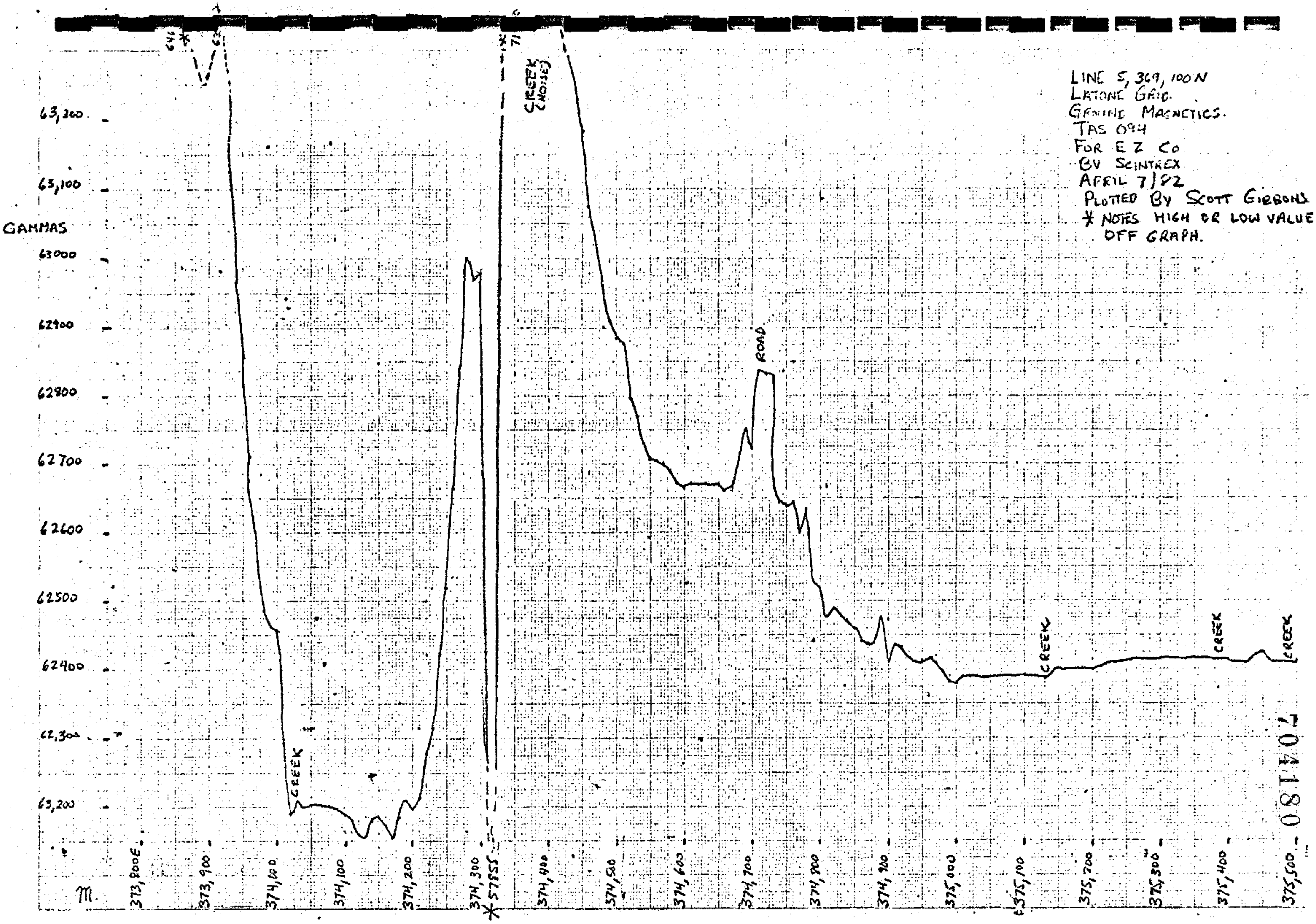
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GROUND MAGNETICS.
TAS 094
FOR E Z Co
BY SCINTREX
APRIL 7/82
PLOTTED BY SCOTT GIBBONS
* NOTES HIGH OR LOW VALUE OFF GRAPH.
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62700
62600
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62400
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63,200
CREEK
CREEK (NOISE)
ROAD
CREEK
CREEK
CREEK
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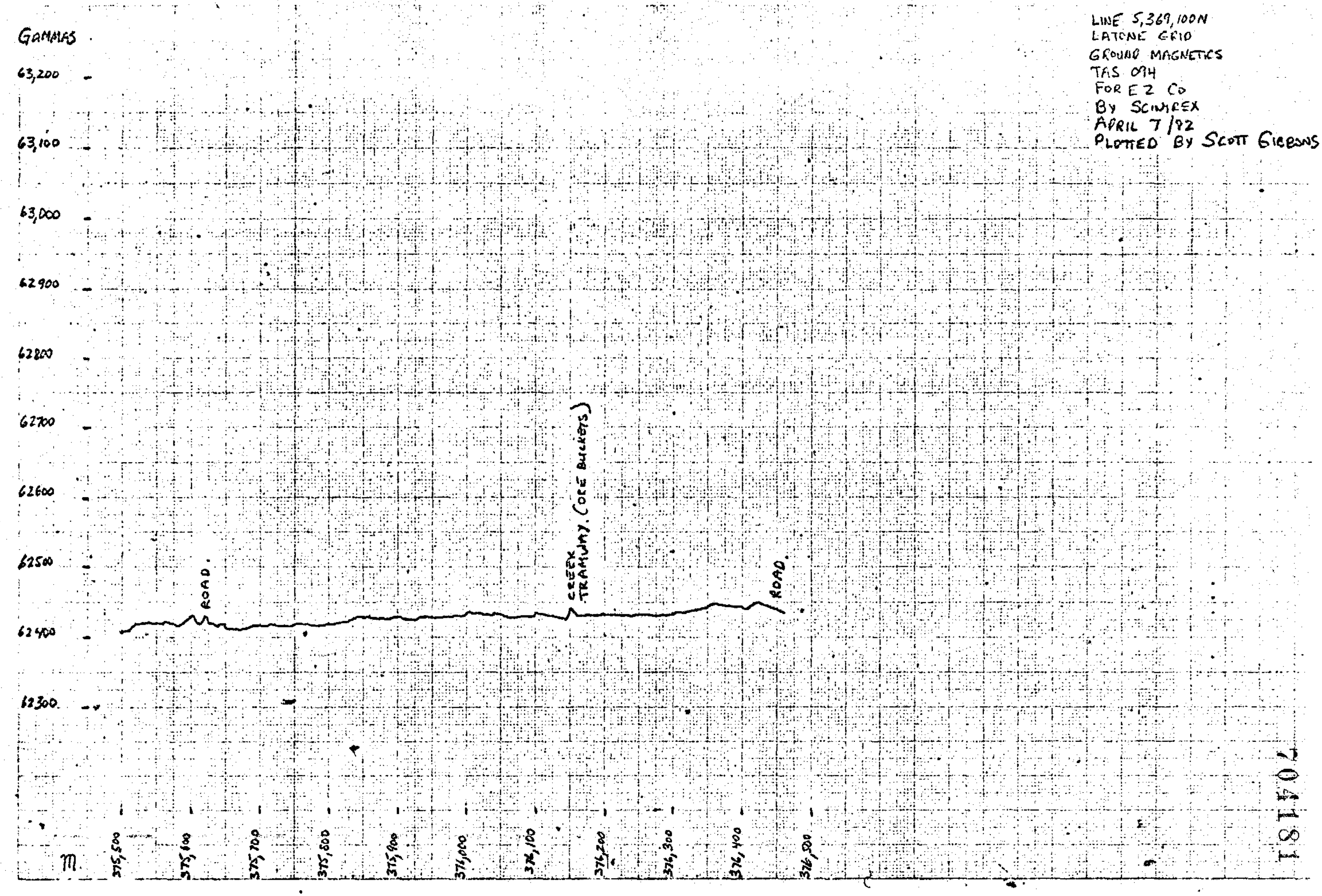
LINE 5,369,100N
LATONE GRID
GROUND MAGNETICS
TAS 094
FOR E Z CO
BY SCINTREX
APRIL 7/82
PLOTTED BY SCOTT GIBBONS
GAMMAS
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ROAD.
CREEK
TRAMWAY. (ORE BUCKETS)
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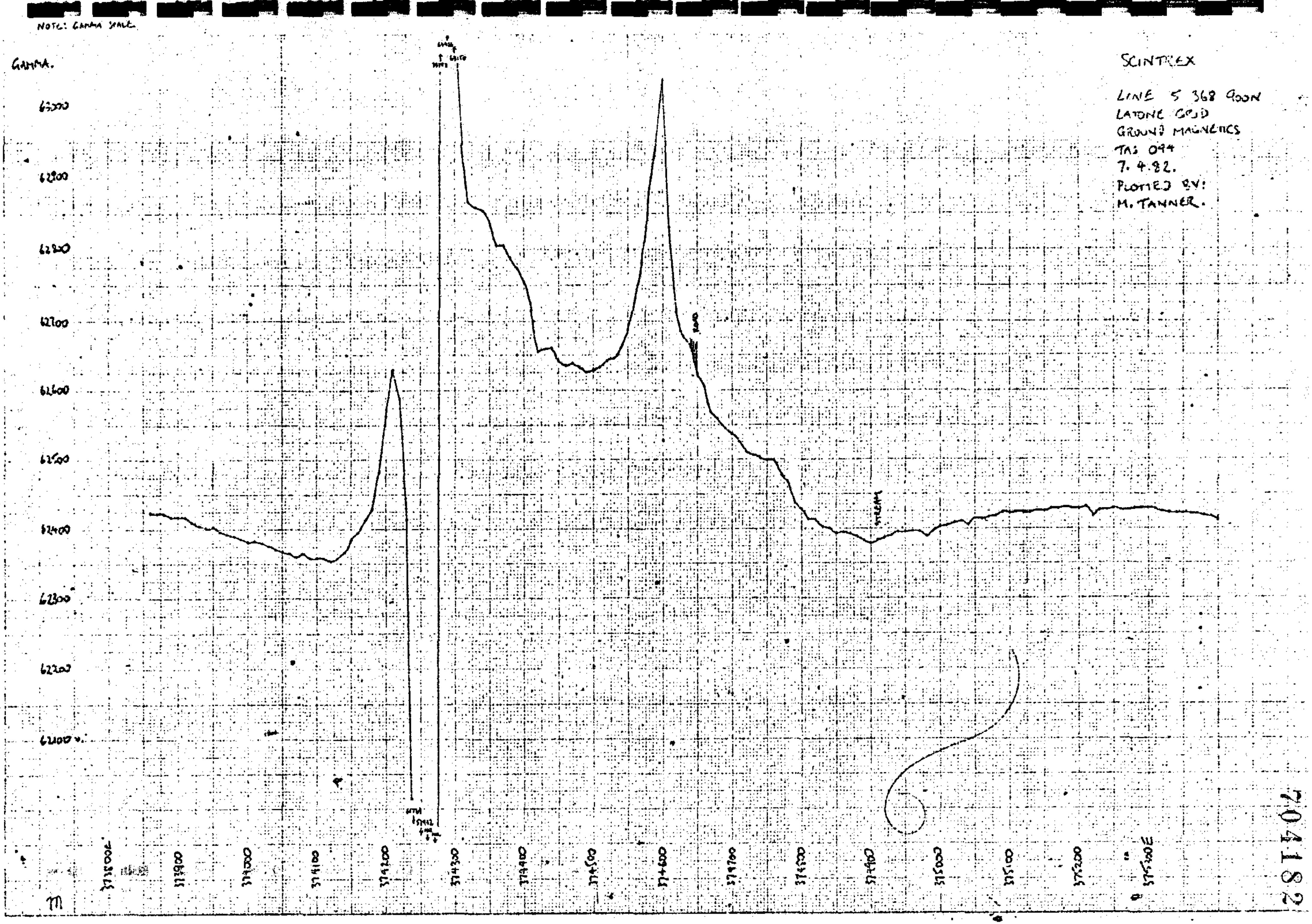
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375000
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ROAD
STREAM
SCINTREX
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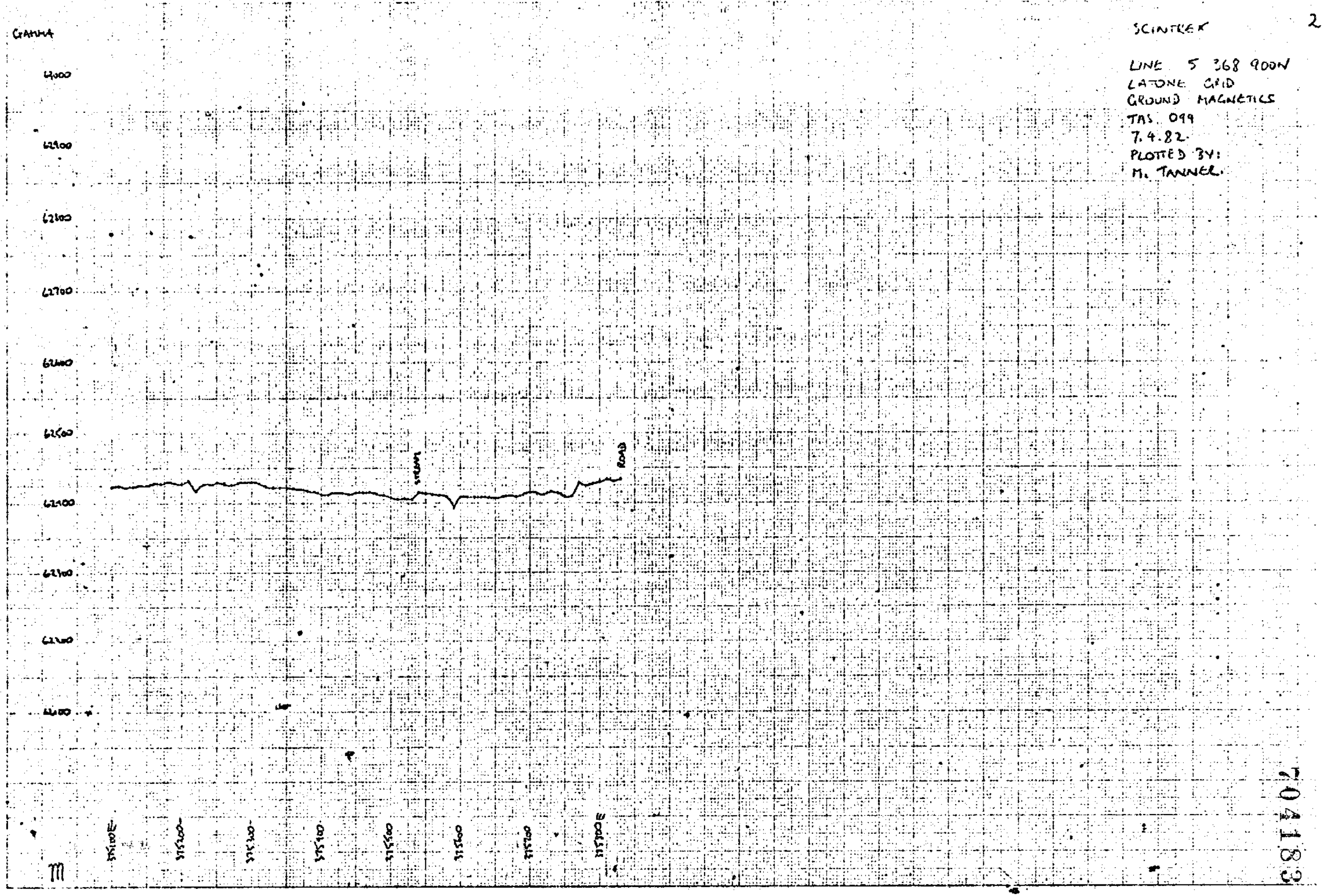
LATONE GRID
GROUND MAGNETICS
TAS 094
7.4.82.
PLOTTED BY:
M. TANNER.

704182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LATONE GRID
GROUND MAGNETICS
TAS. 099
7.4.82.
PLOTTED BY:
M. TANNER.
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STREAM
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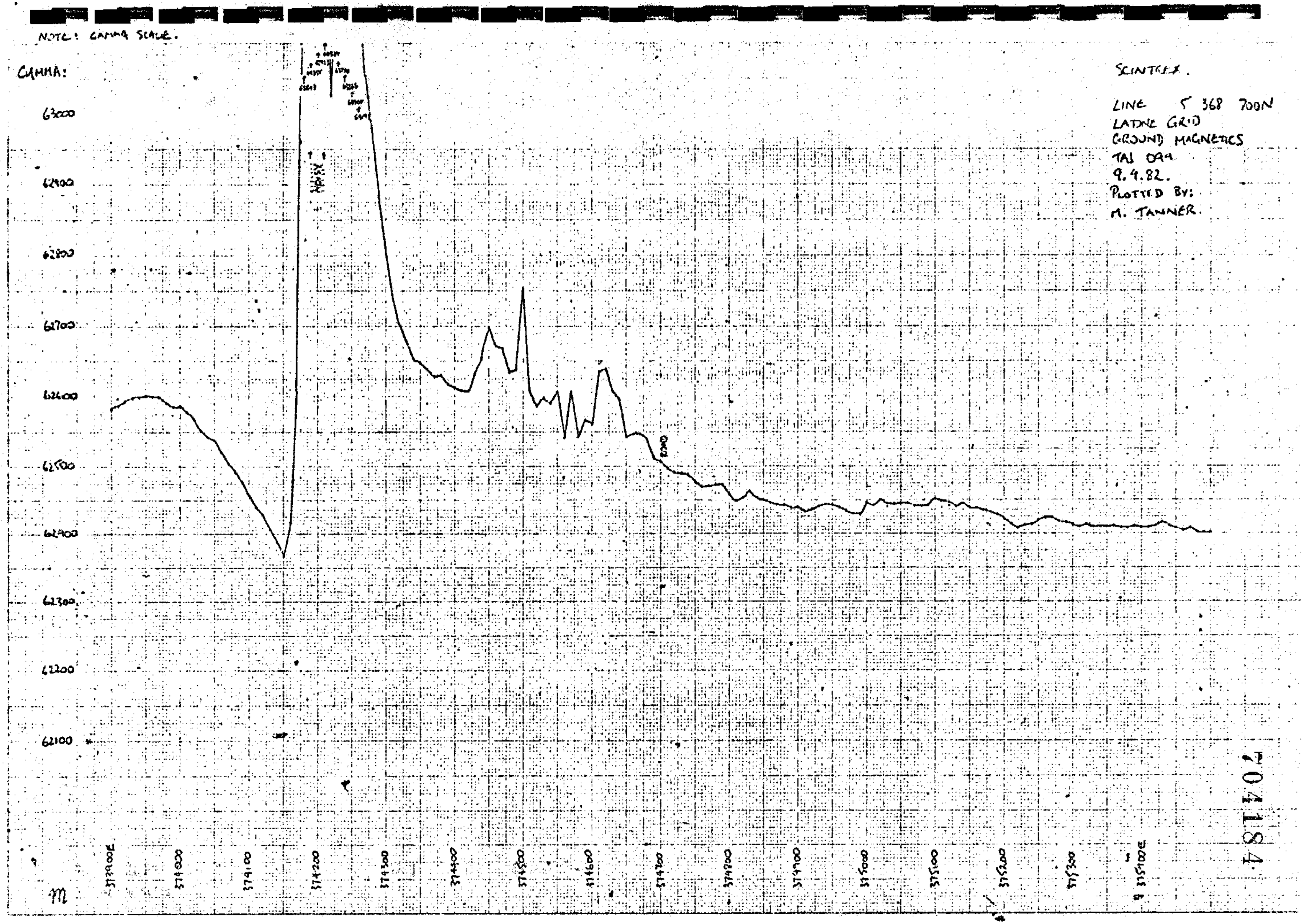
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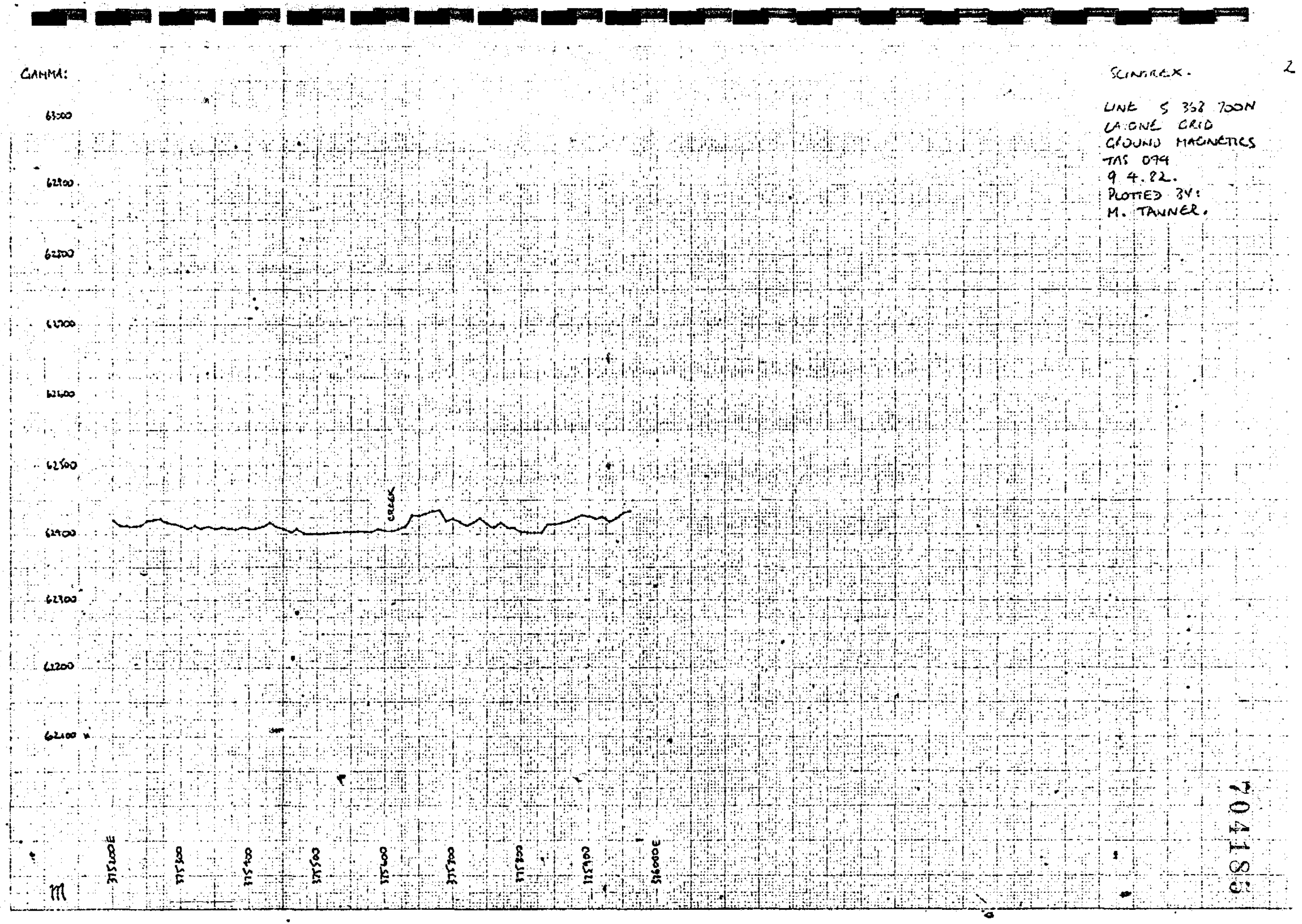
SCINTREX.
LINE 5 368 700N
LATONE GRID
GROUND MAGNETICS
TAI 099
9.4.82.
PLOTTED BY:
M. TANNER.
373900E
374000
374100
374200
374300
374400
374500
374600
374700
374800
374900
375000
375100
375200
375300
375400E
m
704184



2
GAMMA:
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62900
62800
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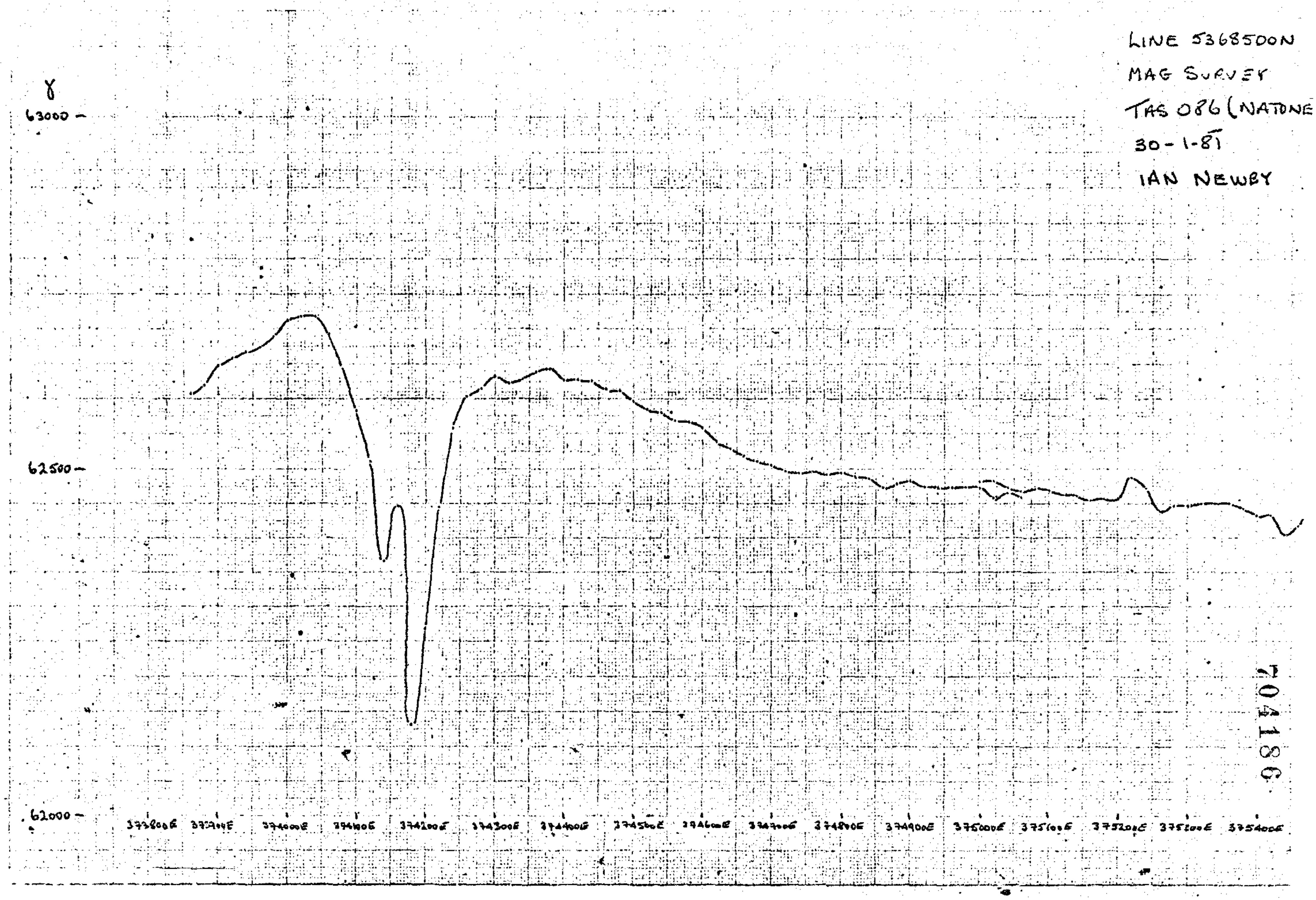
62600
62500
62400
62300
62200
62100
CREEK
375200E
375300
375400
375500
375600
375700
375800
375900
376000E
SCINTREX.
2
LINE 5 358 700N
LAGONE GRID
GROUND MAGNETICS
TAS 074
9.4.82.
PLOTTED BY:
M. TANNER.



LINE 5368500N
MAG SURVEY
TAS 086 (NATONE
30-1-81
IAN NEWBY
γ
63000
62500
62000
373800E
373900E
374000E
374100E
374200E
374300E
374400E
374500E
374600E
374700E
374800E
374900E
375000E
375100E
375200E
375200E
375400E

704186

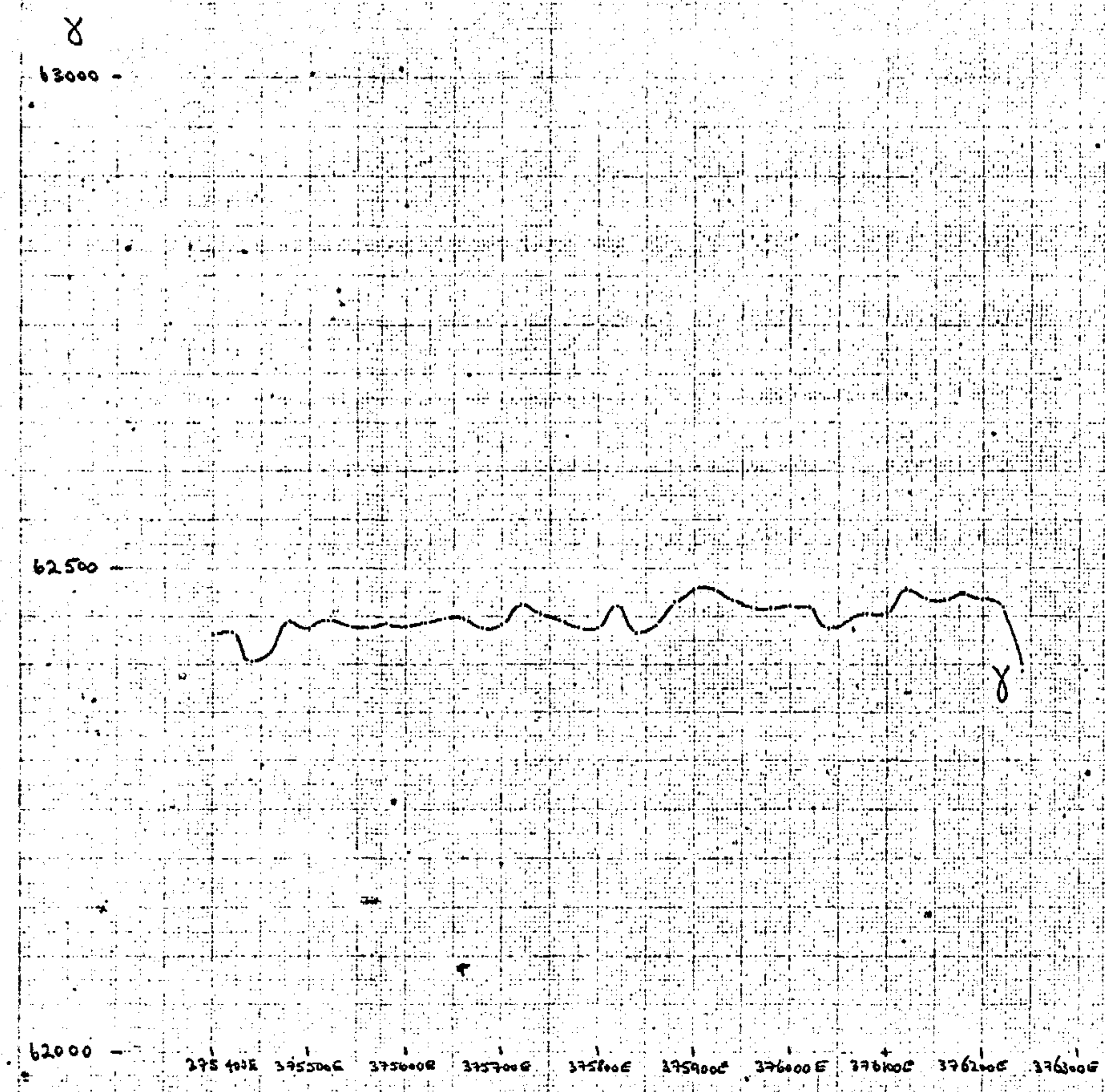
LINE 5368500

MAG SURVEY

TAS 086 (NATC

30-1-81

IAN NEWE



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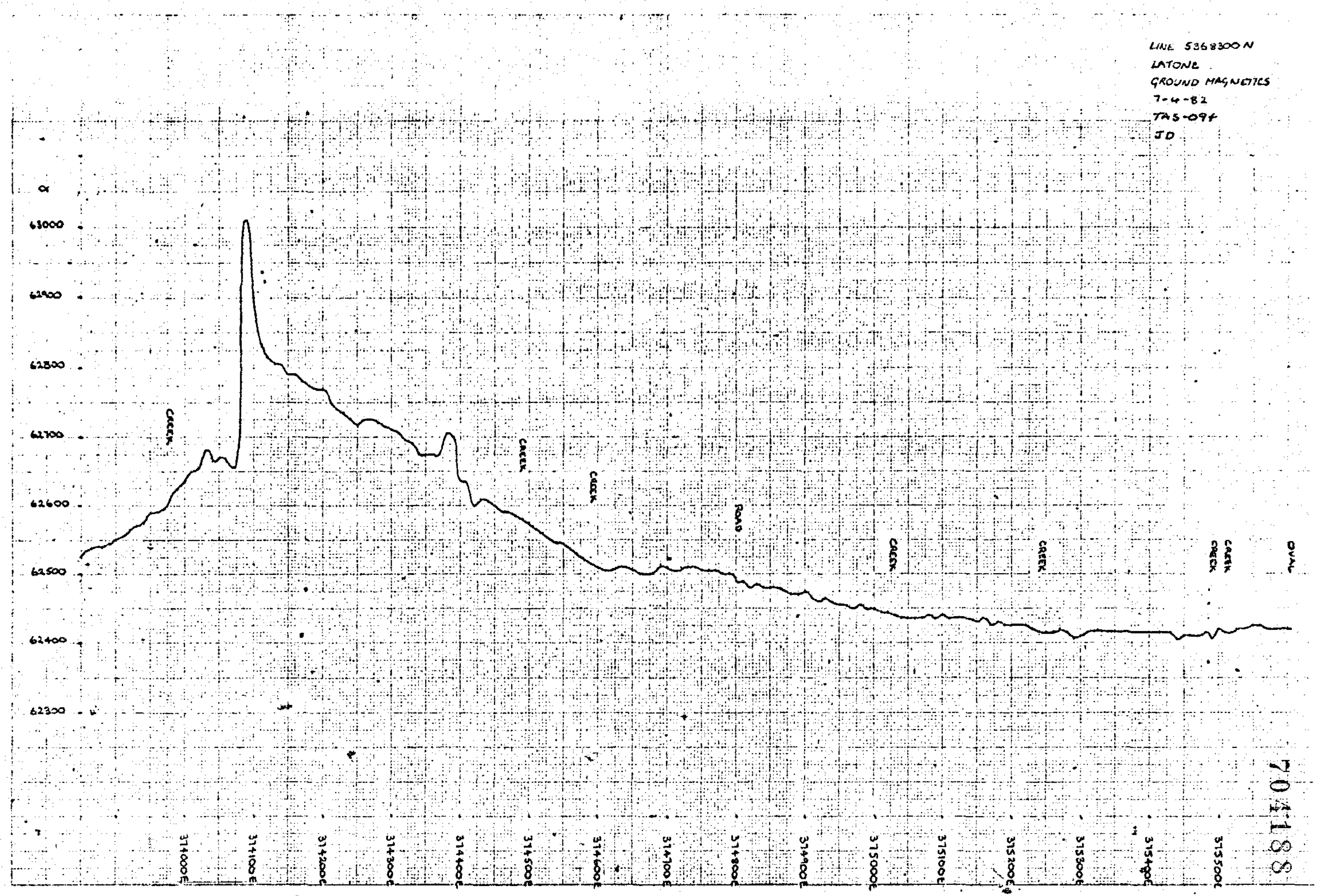
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GROUND MAGNETICS
7-4-82
TAS-094
JD
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62400
62300
CREEK
CREEK
CREEK
ROAD
CREEK
CREEK
CREEK
CREEK
OVAL
314000E
314100E
314200E
314300E
314400E
314500E
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315500E
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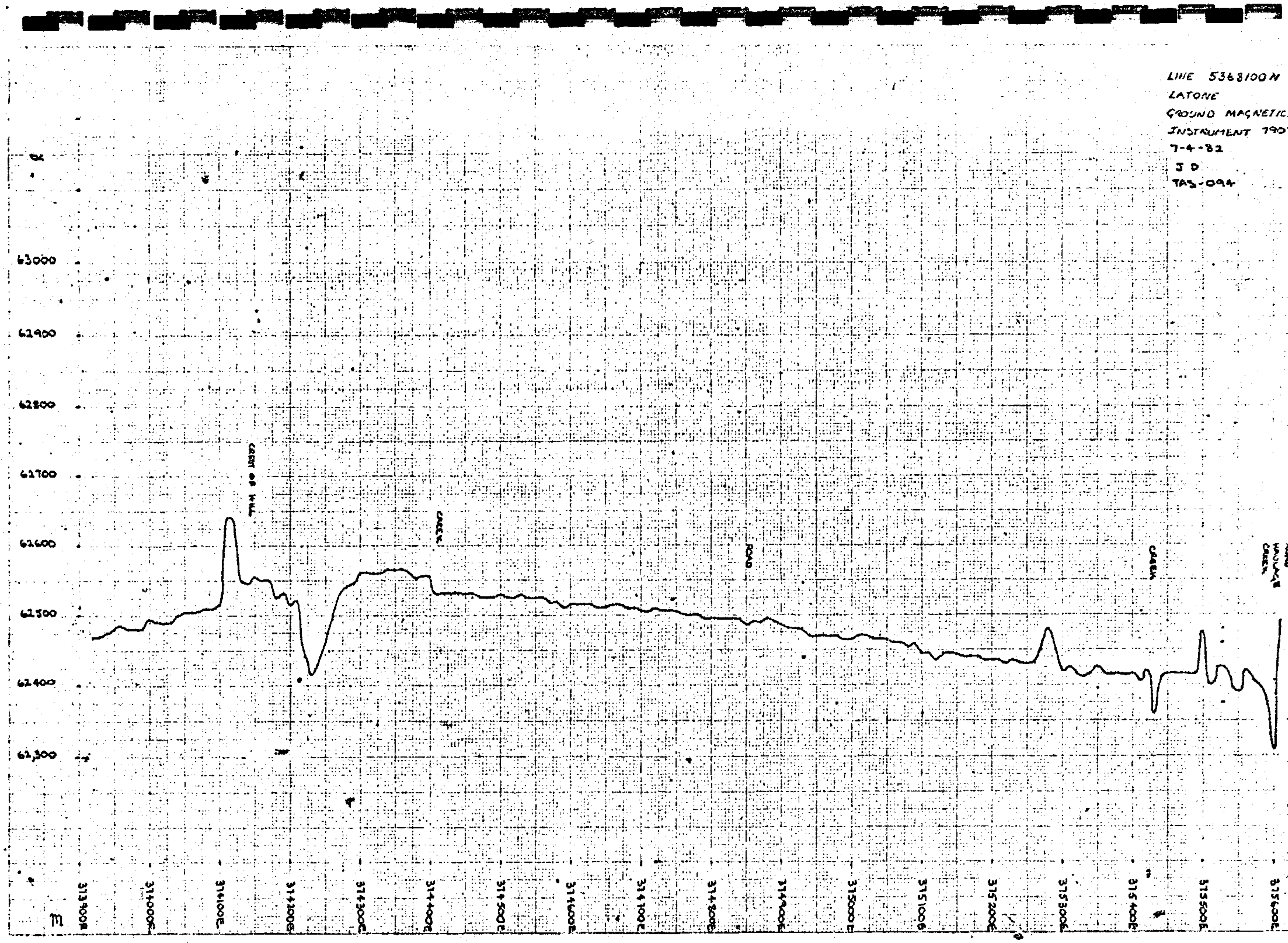
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LATONE
GROUND MAGNETICS
INSTRUMENT 7903434
7-4-82
J D
TAS-094
63000
62900
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62600
62500
62400
62,300
CREST OF HILL
CREEK
ROAD
CREEK
313900E
314000E
314100E
314200E
314300E
314400E
314500E
314600E
314700E
314800E
314900E
315000E
315100E
315200E
315300E
315400E
315500E
315600E

704189


LINE 5,367,900N
LATONE GRID
GROUND MAGNETICS
TAS 094
8th & 9th APRIL 1982
E.T.
GAMMAS
63000
62900
62800
62700
62600
62500
62,300
62,200
CREEK
OLD CAR BODIES, BITS OF METAL ETC SCATTERED ALONG
373850E
373900E
374000E
374100E
374200E
374300E
374400E
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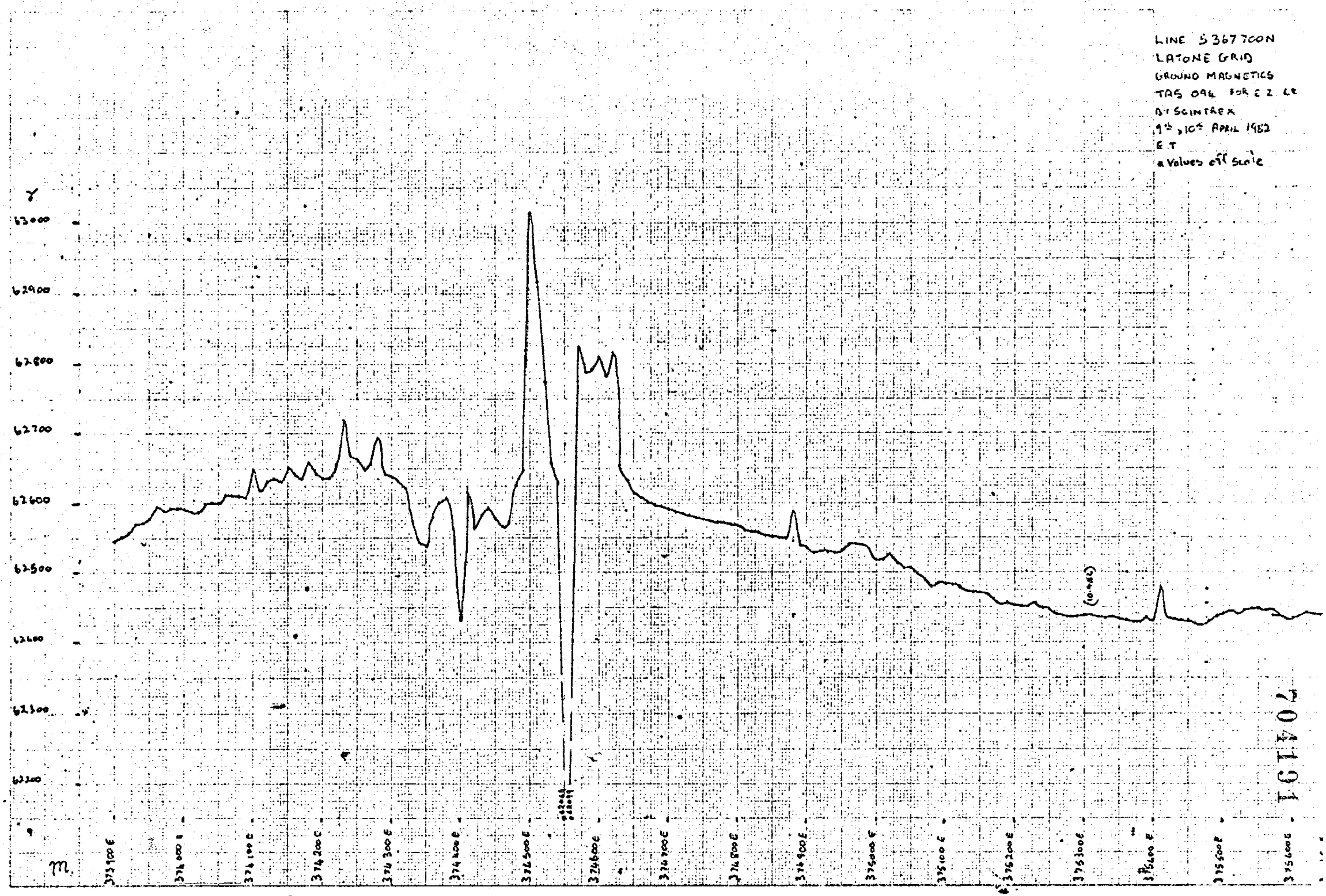

LINE 5367700N
LATONE GRID
GROUND MAGNETICS
TAS 094 FOR E Z CO
B.T SCINTREX
9th, 10th APRIL 1982
E.T
* Values off Scale
γ
63000
62900
62800
62700
62600
62500
62400
62300
62200
m.
373900 E
374000 E
374100 E
374200 E
374300 E
374400 E
374500 E
374600 E
374700 E
374800 E
374900 E
375000 E
375100 E
375200 E
375300 E
375400 E
375500 E
375600 E

16170

LINE 5367 700N.
LATONE GRID
GROUND MAGNETICS
TAS 094
9th, 10th APRIL 1982
E.T.
γ
63000
62900
62800
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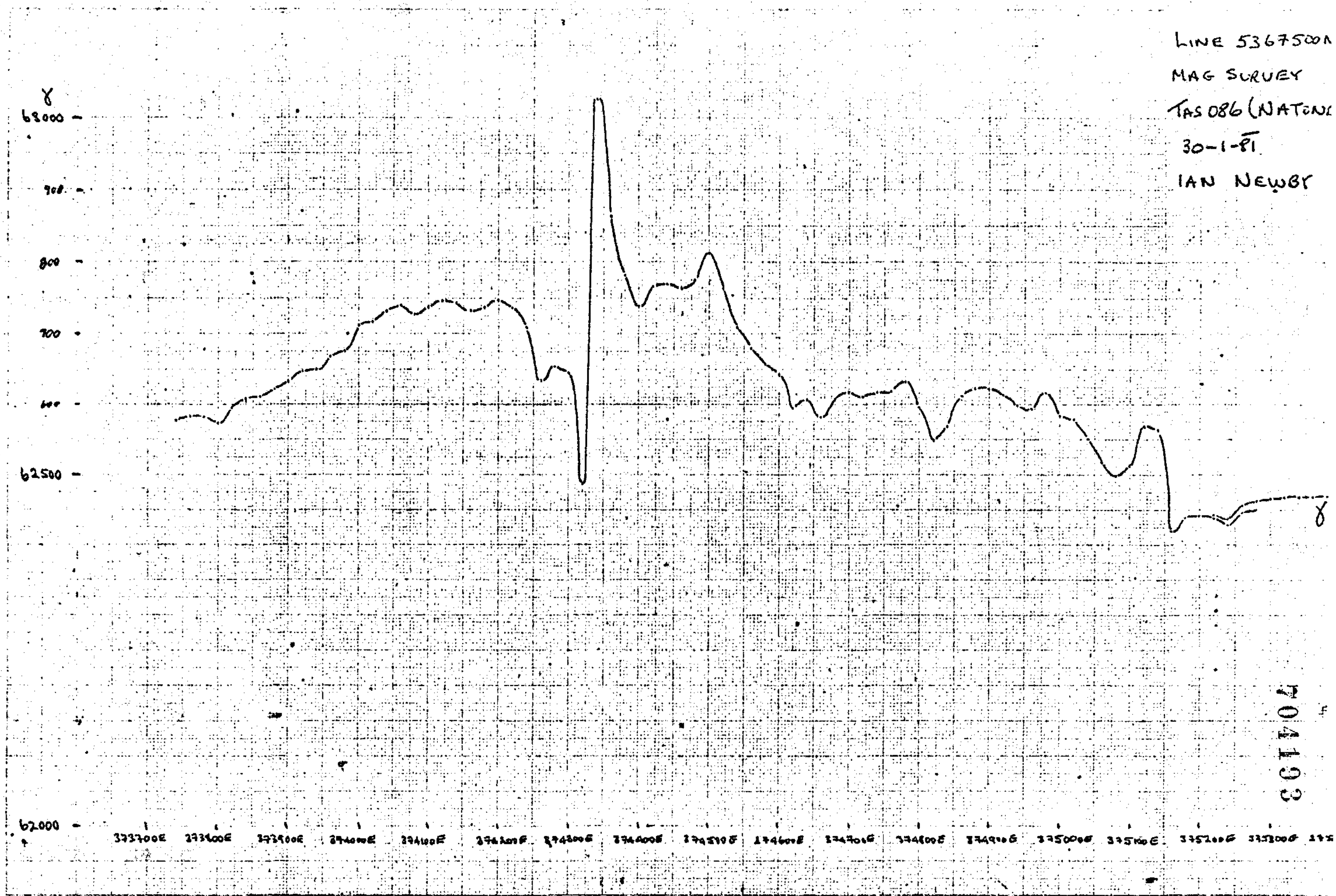
62500
62400
62300
62200
375500E
375600E
375700E
375800E
375900E


LINE 5367500N
MAG SURVEY
TAS 086 (NATONE
30-1-81
IAN NEWBY
γ
68000
900
800
700
600
62500
62000
γ

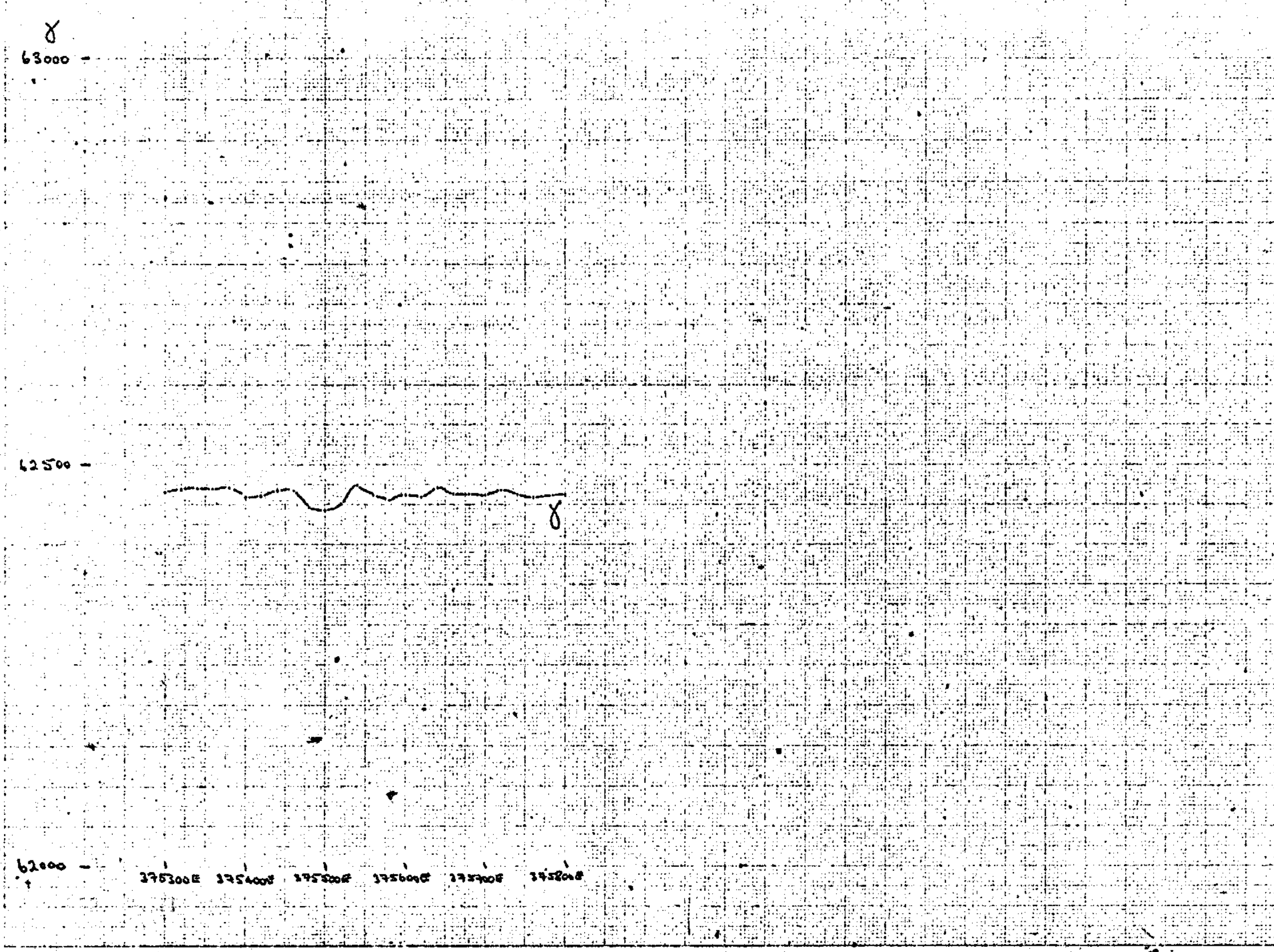
LINE 5367500N

MAG SURVEY

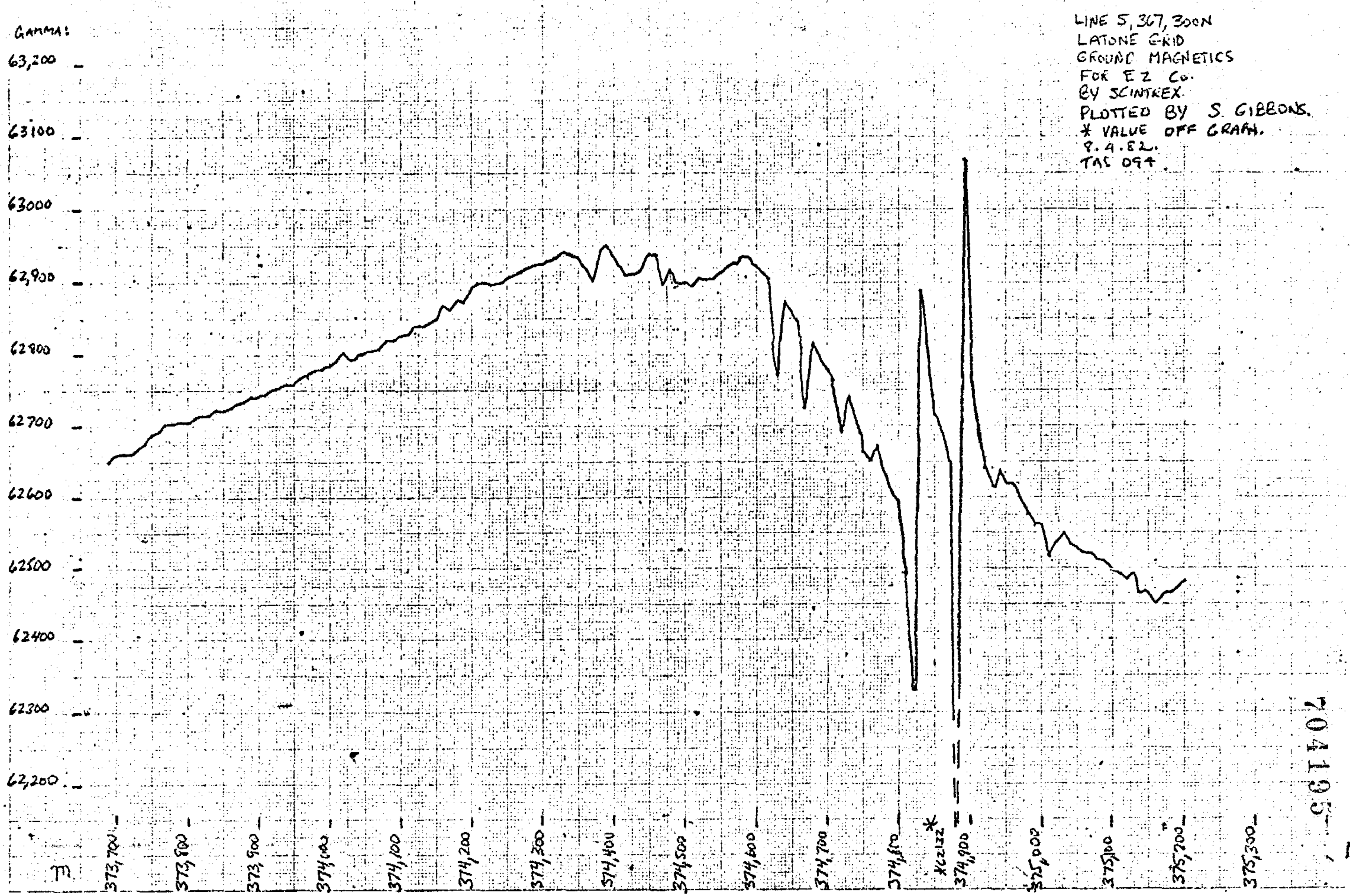
TAS086 (NATONE)

30-1-81

IAN NEWBY



704194


LINE 5,367,300N
LATONE GRID
GROUND MAGNETICS
FOR E Z Co.
BY SCINTREX.
PLOTTED BY S. GIBBONS.
* VALUE OFF GRAPH.
8.4.82.
TAS 094.
GAMMA:
63,200
63100
63000
62,900
62800
62700
62600
62500
62400
62300
62,200
m
373,700
373,800
373,900
374,000
374,100
374,200
374,300
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374,800
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374,900
375,000
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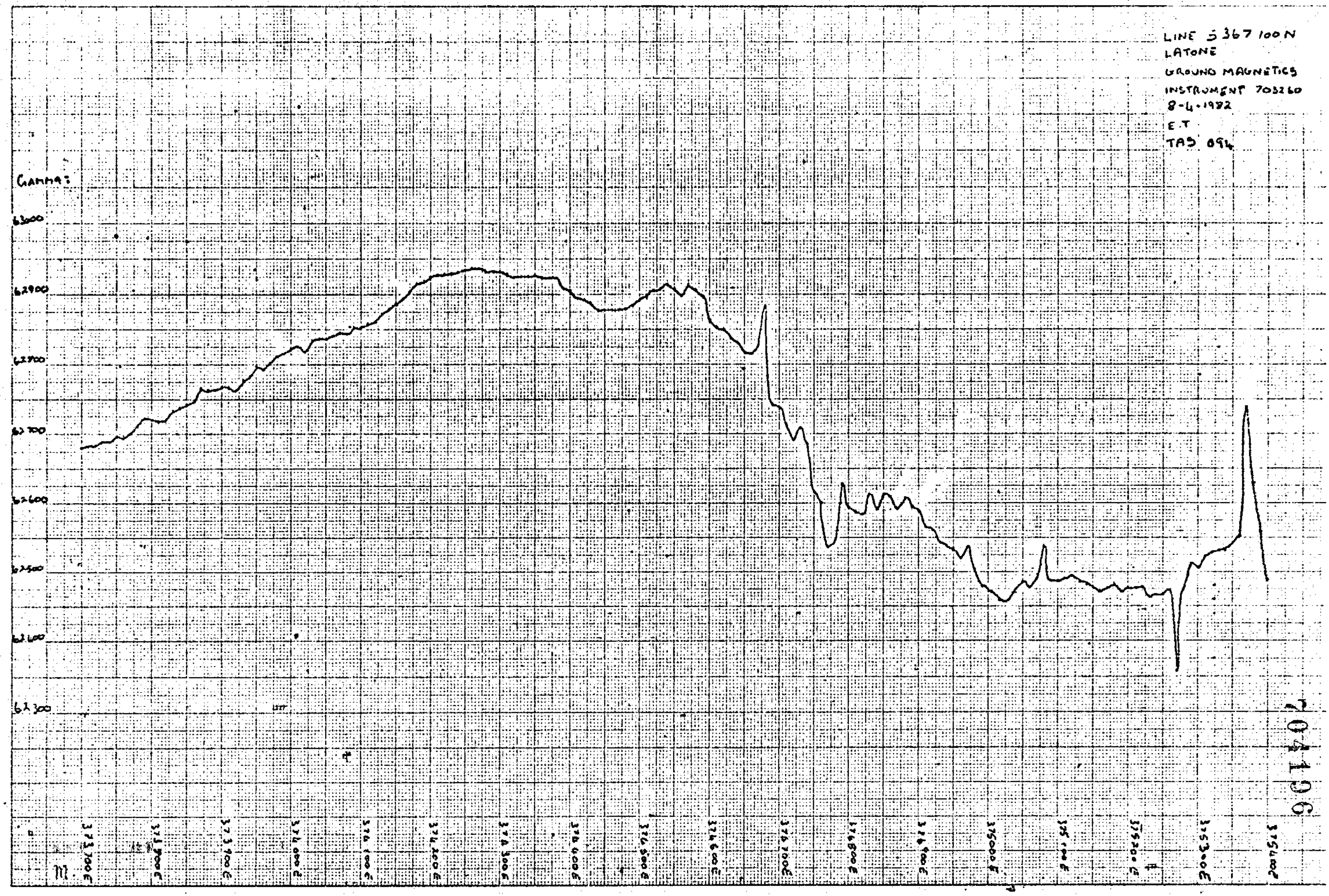
375,200
375,300

704195


LINE 5367100N
LATONE
GROUND MAGNETICS
INSTRUMENT 703260
8-4-1982
E.T
TAS 094
GAMMAS
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62800
62700
62600
62500
62400
62300
373700E
373800E
373900E
374000E
374100E
374200E
374300E
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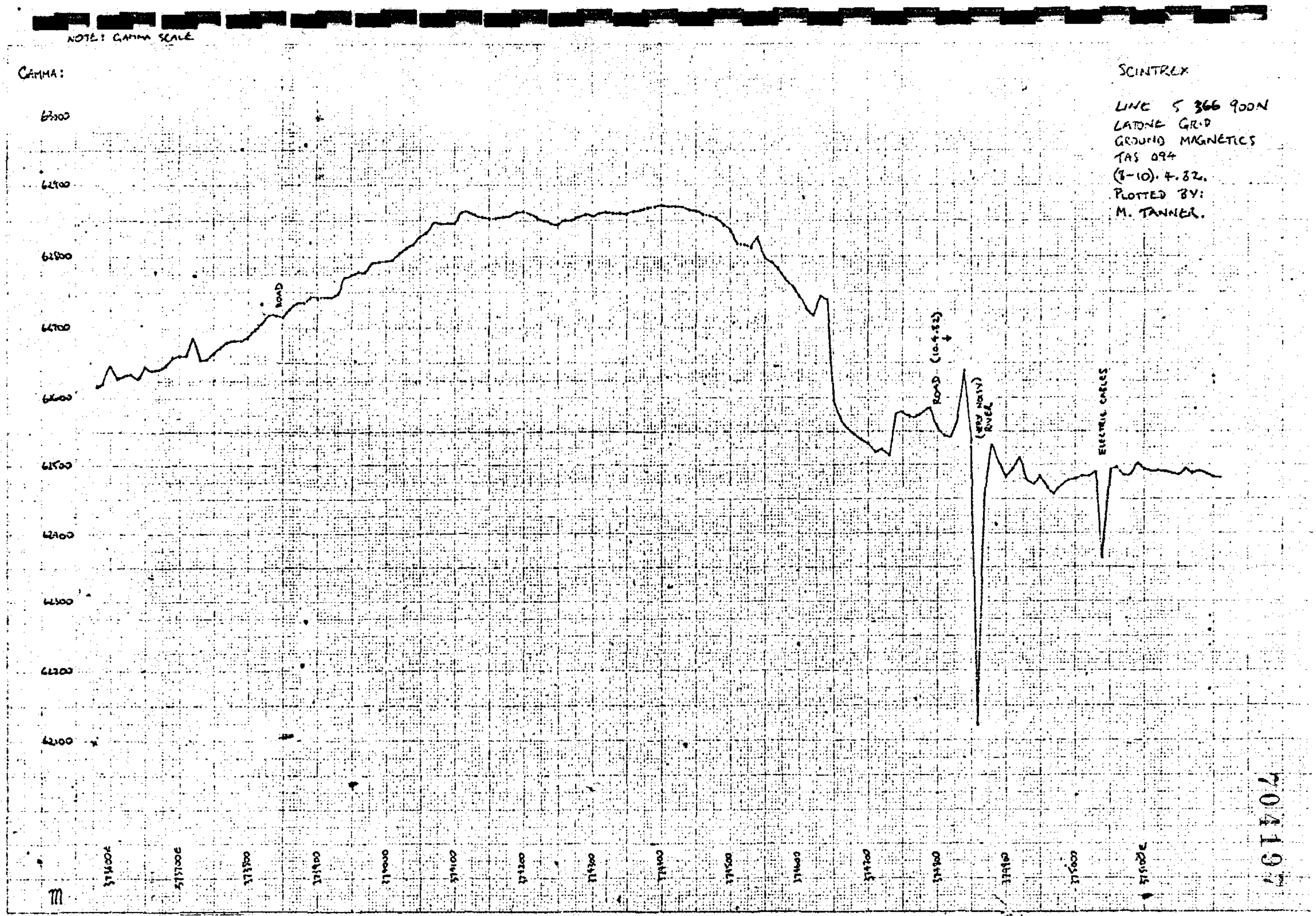
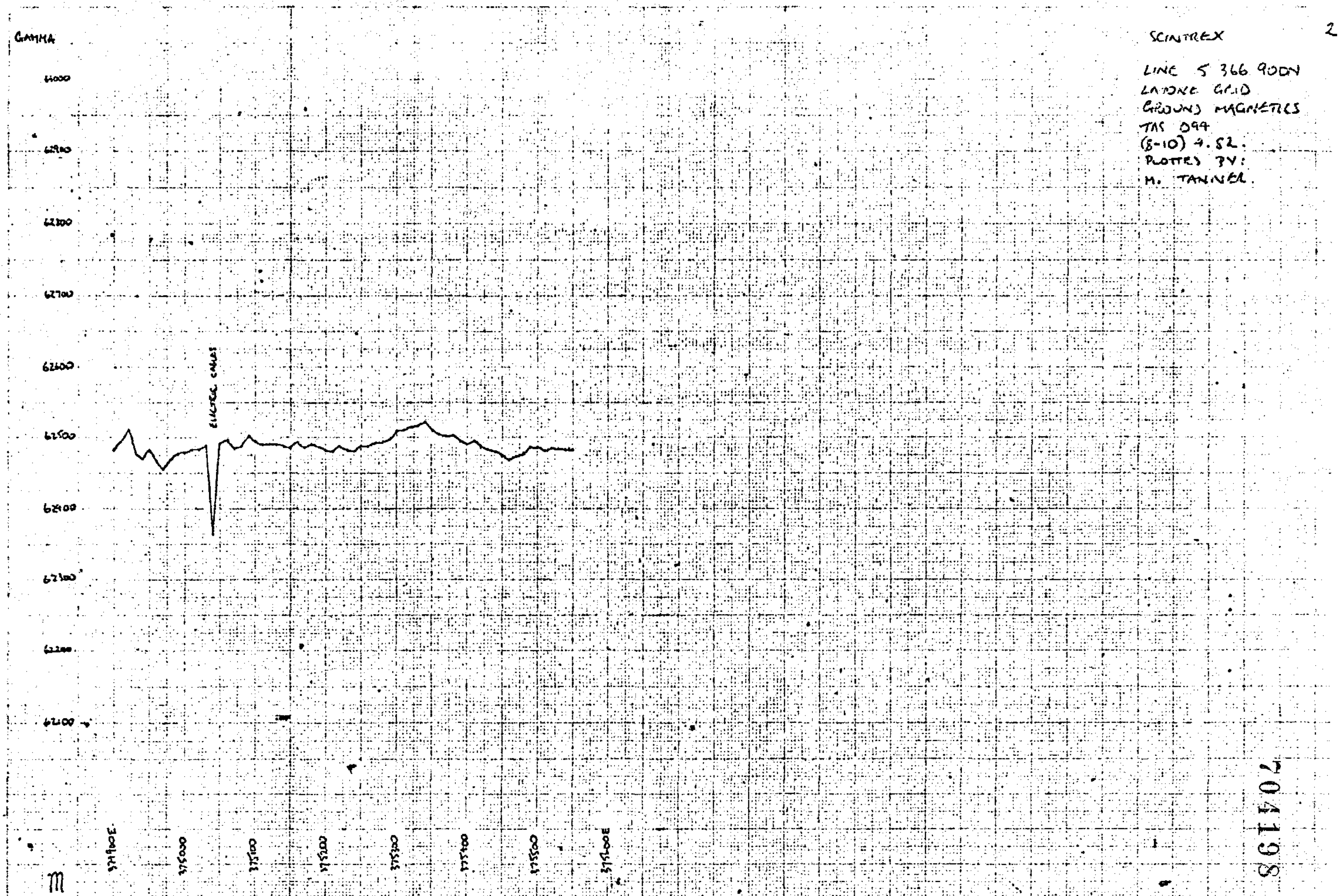
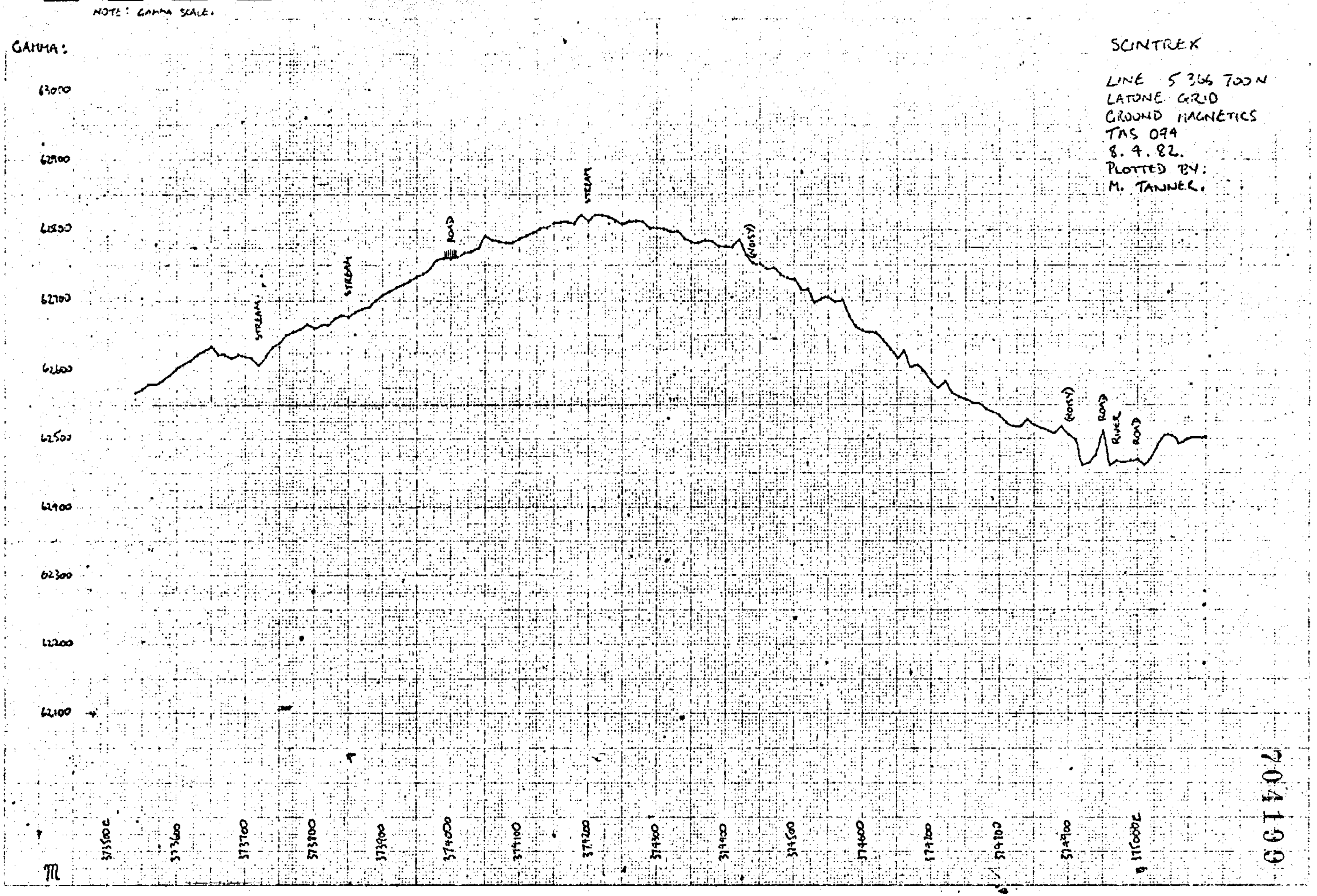

NOTE: GAMMA SCALE
GAMMA:
SCINTREX
LINE 5 366 900N
LATONE GRID
GROUND MAGNETICS
TAS 094
(8-10). 4. 82.
PLOTTED BY:
M. TANNER.
63000
62900
62800
62700
62600
62500
62400
62300
62200
62100
ROAD
ROAD (10.4.82)
(VERY NOISY) RIVER
ELECTRIC CABLES
m
373600E
375100E

2



GAMMA
62900
62800
62700
62600
62500
62400
62300
62200
62100
ELECTRIC CABLES
374900E
375000
375100
375200
375300
375400
375500
375600E
m
SCINTREX
LINE 5 366 900N
LATONE GRID
GROUND MAGNETICS
TAS 094
(8-10) 4.82.
PLOTTED BY:
M. TANNER.
704198



NOTE: GAMMA SCALE.
GAMMA:
63000
62900
62800
62700
62600
62500
62400
62300
62200
62100
SCINTREX
LINE 5366 700N
LATONE GRID
GROUND MAGNETICS
TAS 094
8.4.82.
PLOTTED BY:
M. TANNER.
STREAM
STREAM
ROAD
STREAM
(NOISY)
(NOISY)
ROAD
RIVER
ROAD
373500E
373600
373700
373800
373900
374000
374100
374200
374300
374400
374500
374600
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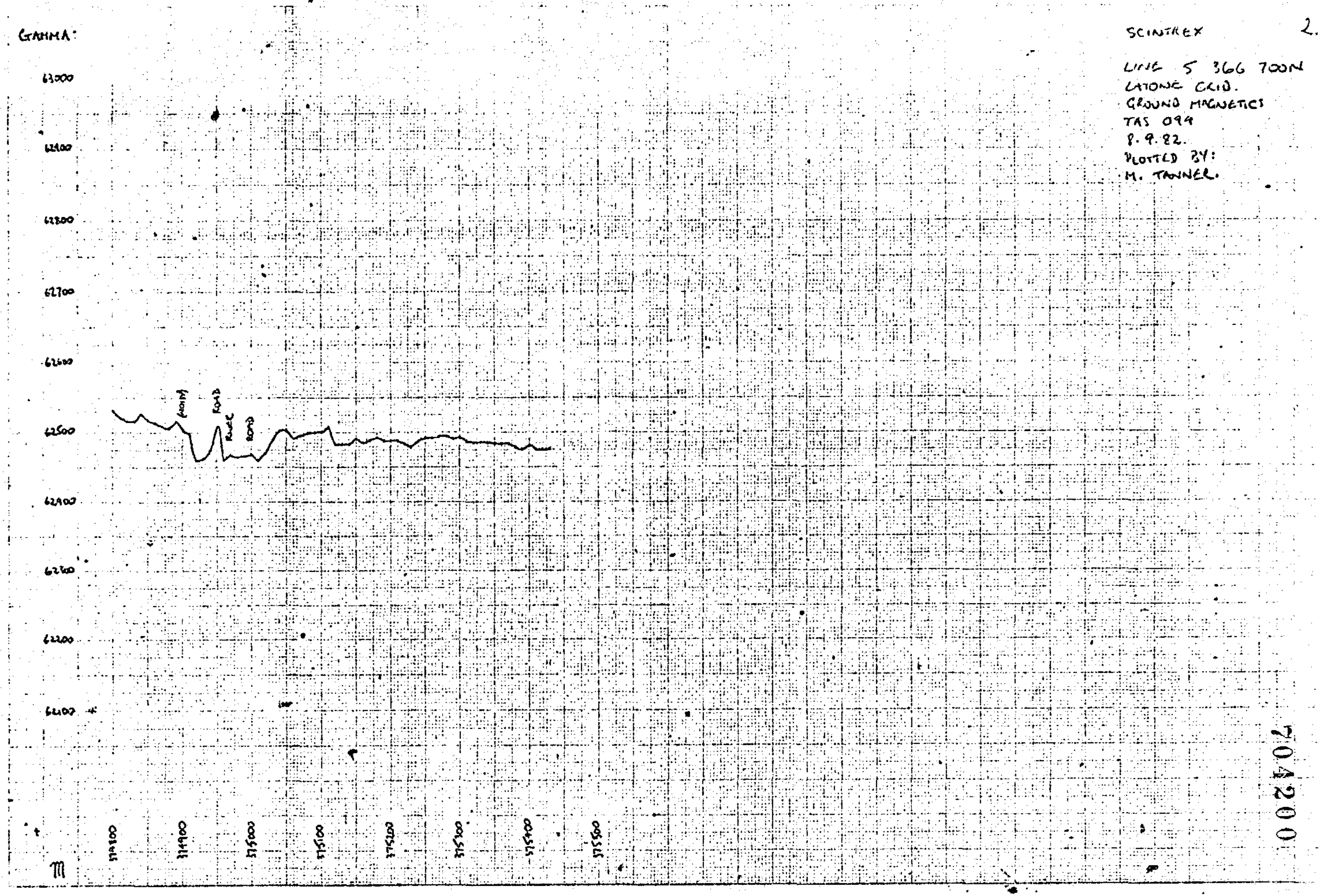
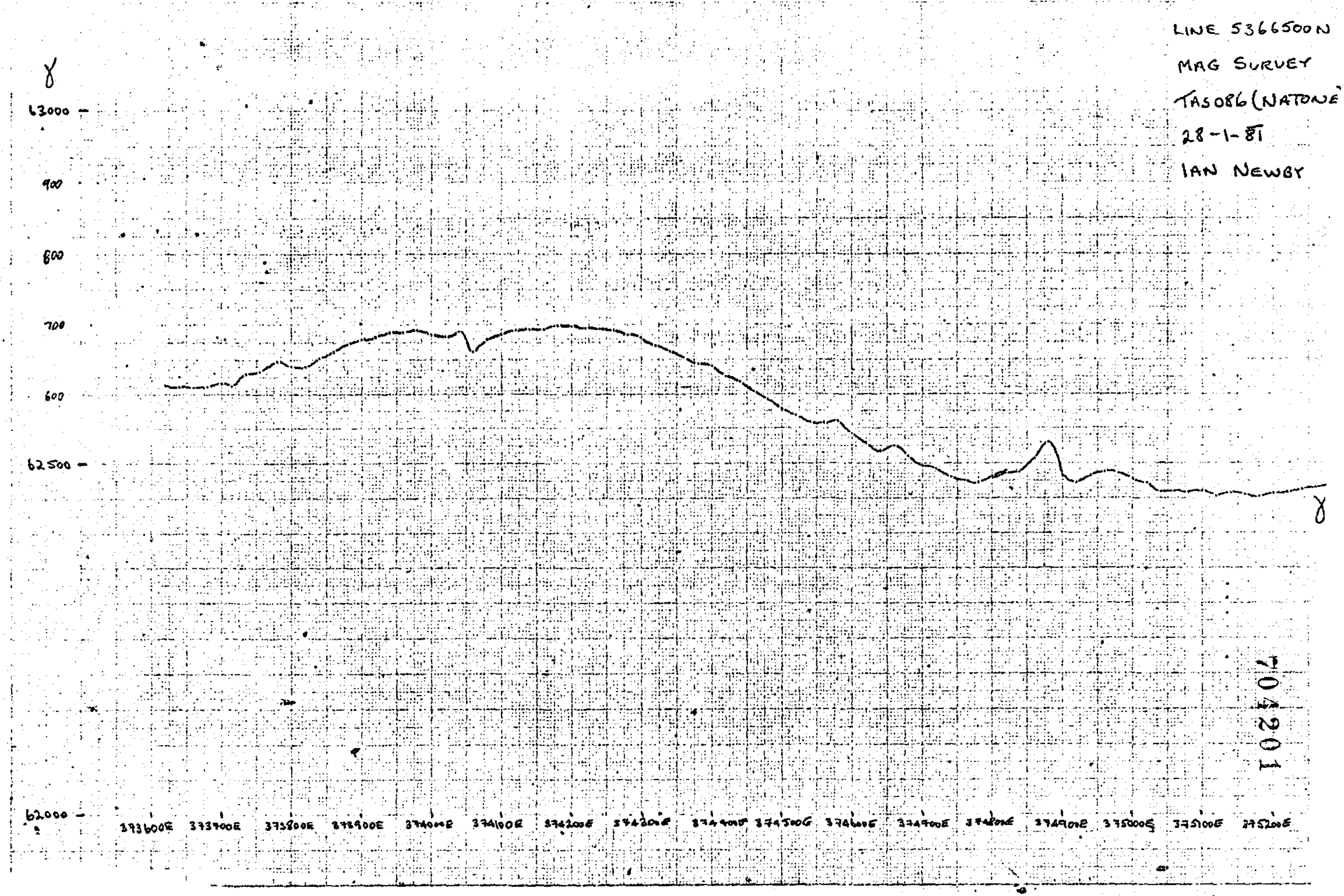
374800
374900
375000E
m

6604107


GAMMA:
SCINTREX
LINE 5 366 700N
LATONE GRID.
GROUND MAGNETICS
TAS 099
8.9.82.
PLOTTED BY:
M. TANNER.
63000
62900
62800
62700
62600
62500
62400
62300
62200
62100
ROAD
RIVER
ROAD
374800
374900
375000
375100
375200
375300
375400
375500
m
704200


LINE 5366500N
MAG SURVEY
TAS086 (NATONE
28-1-81
IAN NEWBY
γ
63000
900
800
700
600
62500
62000
γ
373600E 373700E 373800E 373900E 374000E 374100E 374200E 374300E 374400E 374500E 374600E 374700E 374800E 374900E 375000E 375100E 375200E
70201

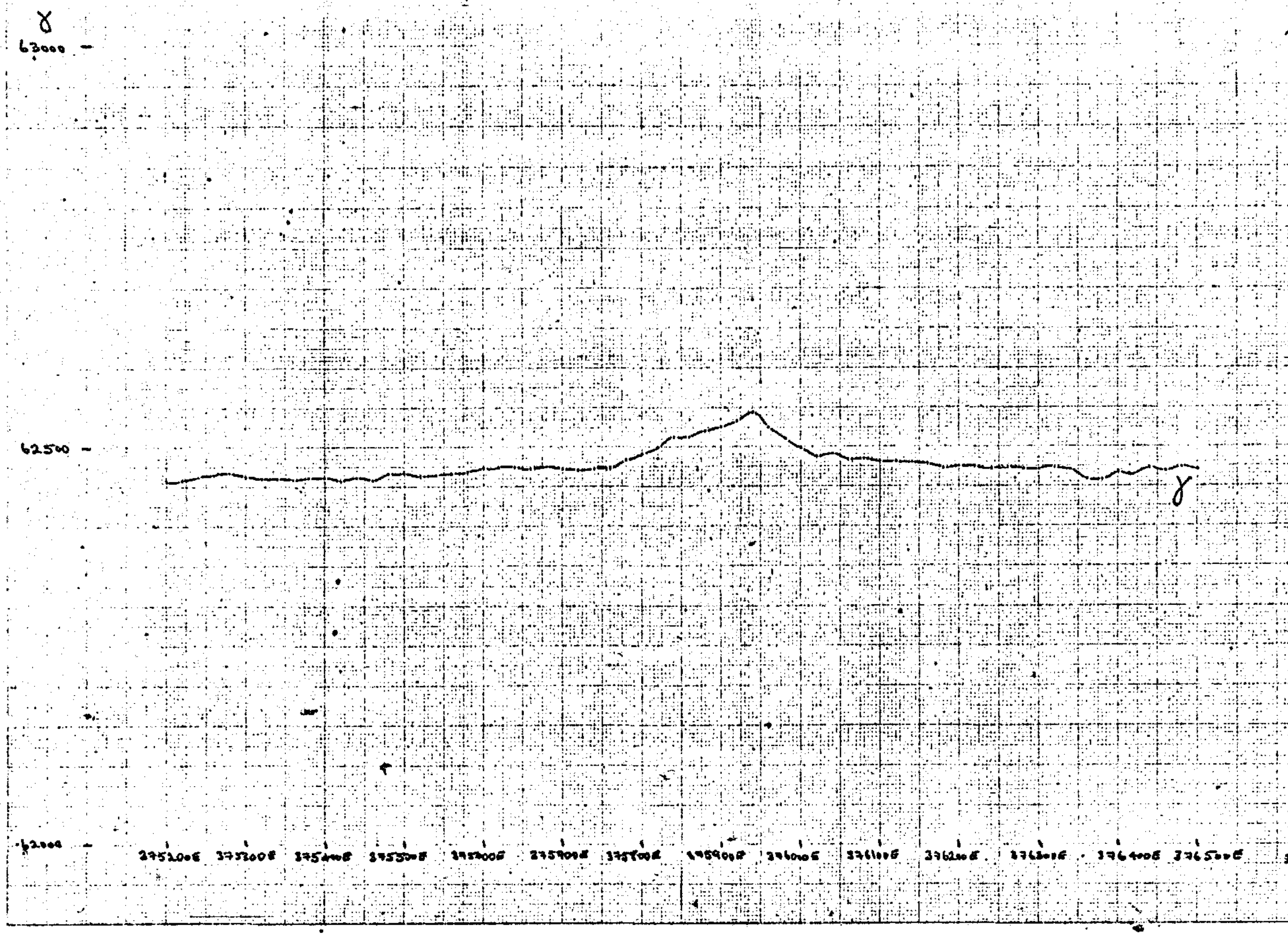
LINE 5366500N

MAG SURVEY

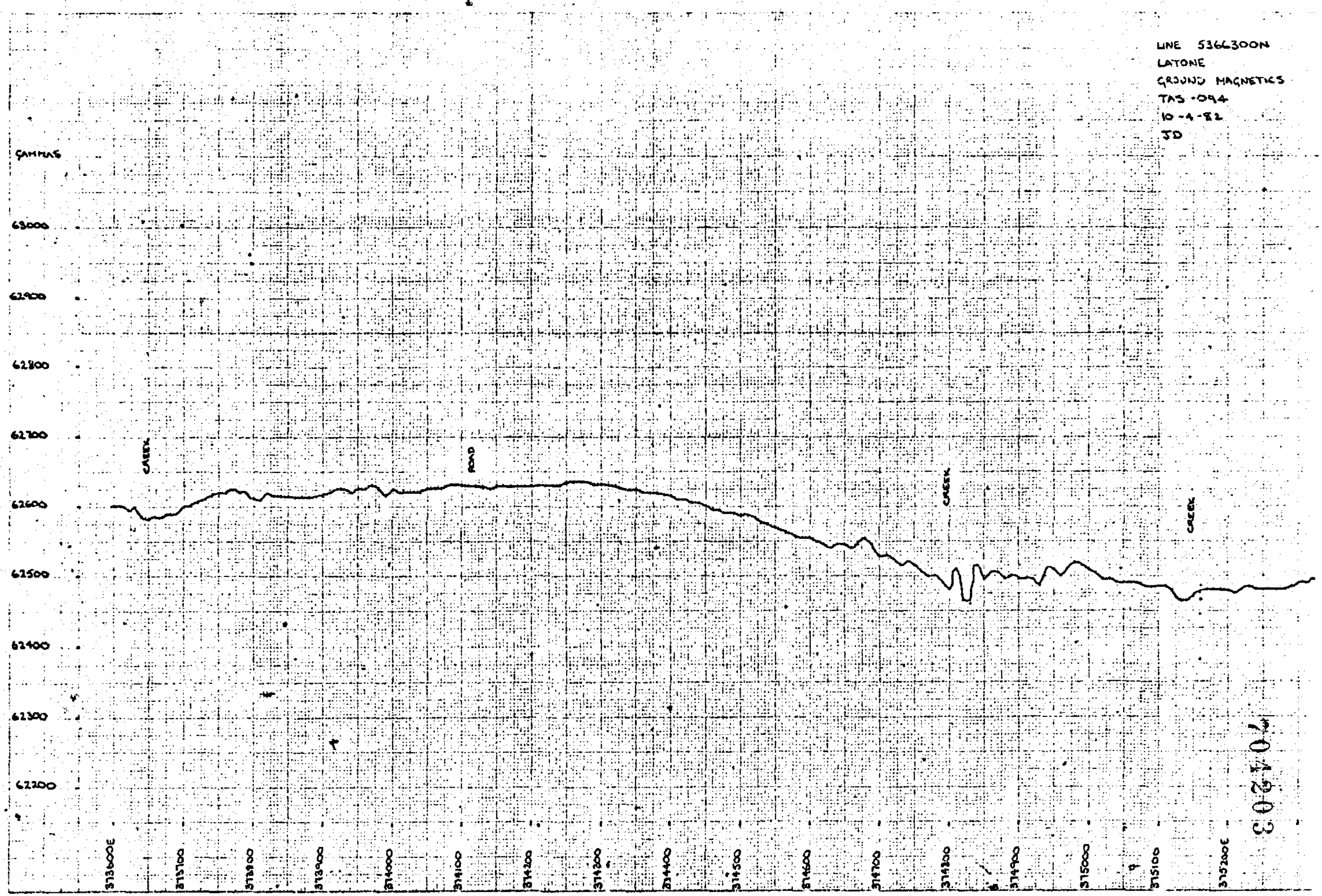
TAS 086 (NATONE)

28-1-81

IAN NEWBY



704202


LINE 5366300N
LATONE
GROUND MAGNETICS
TAS-094
10-4-82
JD
GAMMAS
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62900
62800
62700
62600
62500
62400
62300
62200
CREEK
ROAD
CREEK
CREEK
313600E
313700
313800
313900
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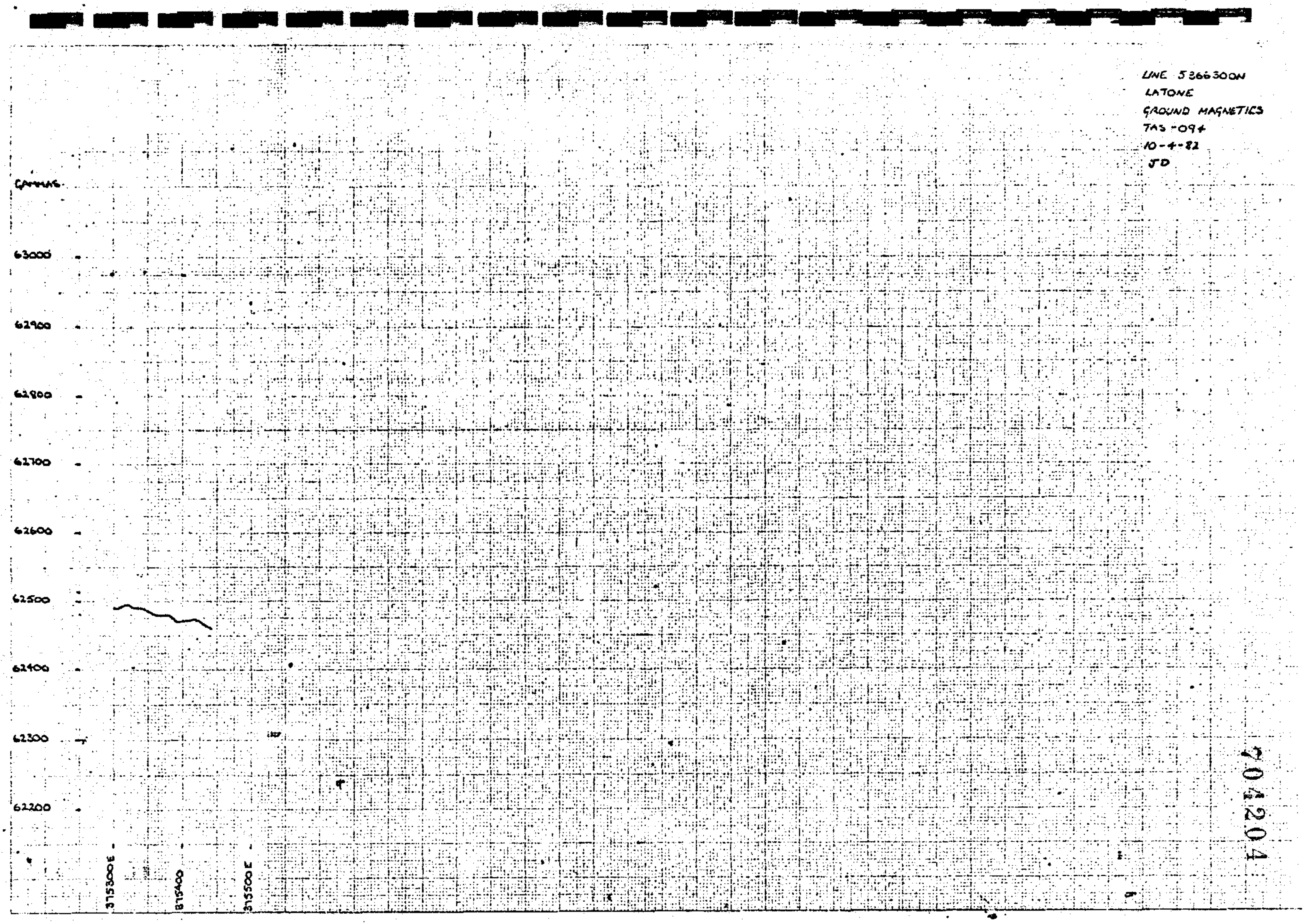
70203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LATONE
GROUND MAGNETICS
TAS-094
10-4-82
JD
GAMMAS
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62500
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62300
62200
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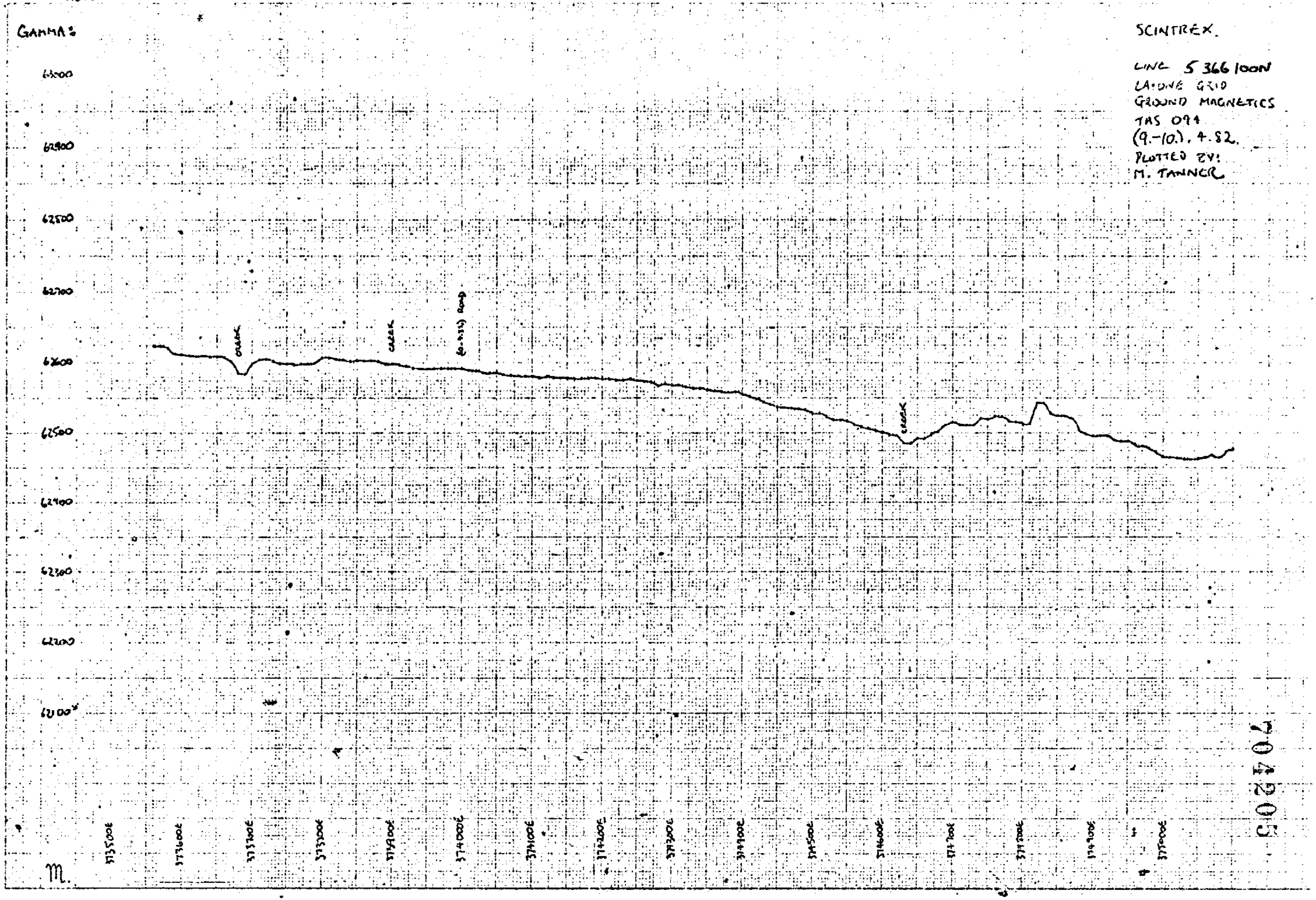
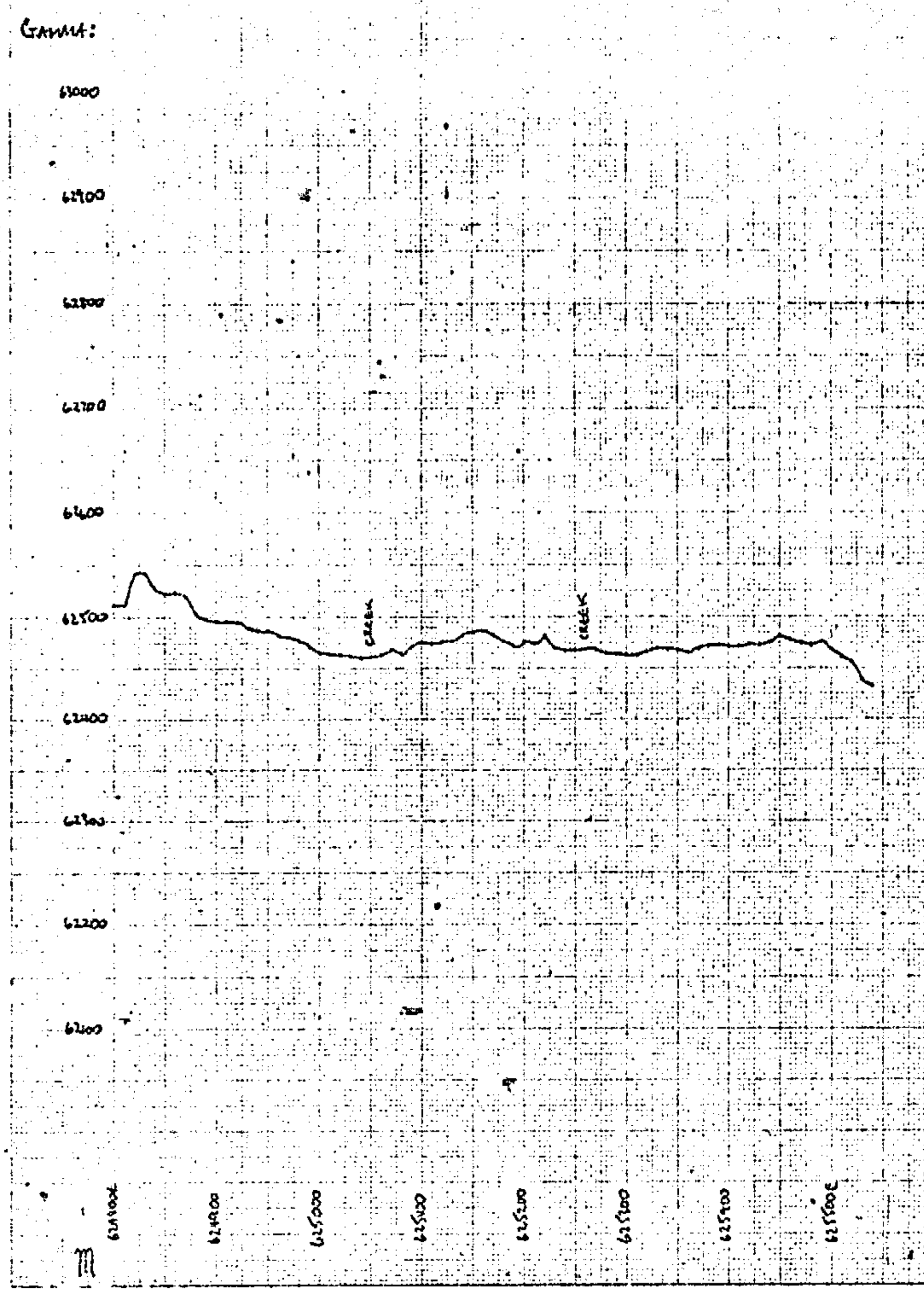
315500E
704204

NOTE: GAMMA SCALE.



SCINTREX

LINE 5 366 100N
LATONE GRID
GROUND MAGNETICS
TMS 099
(9-10) 9. 92.
PLOTTED BY:
M. TANNER



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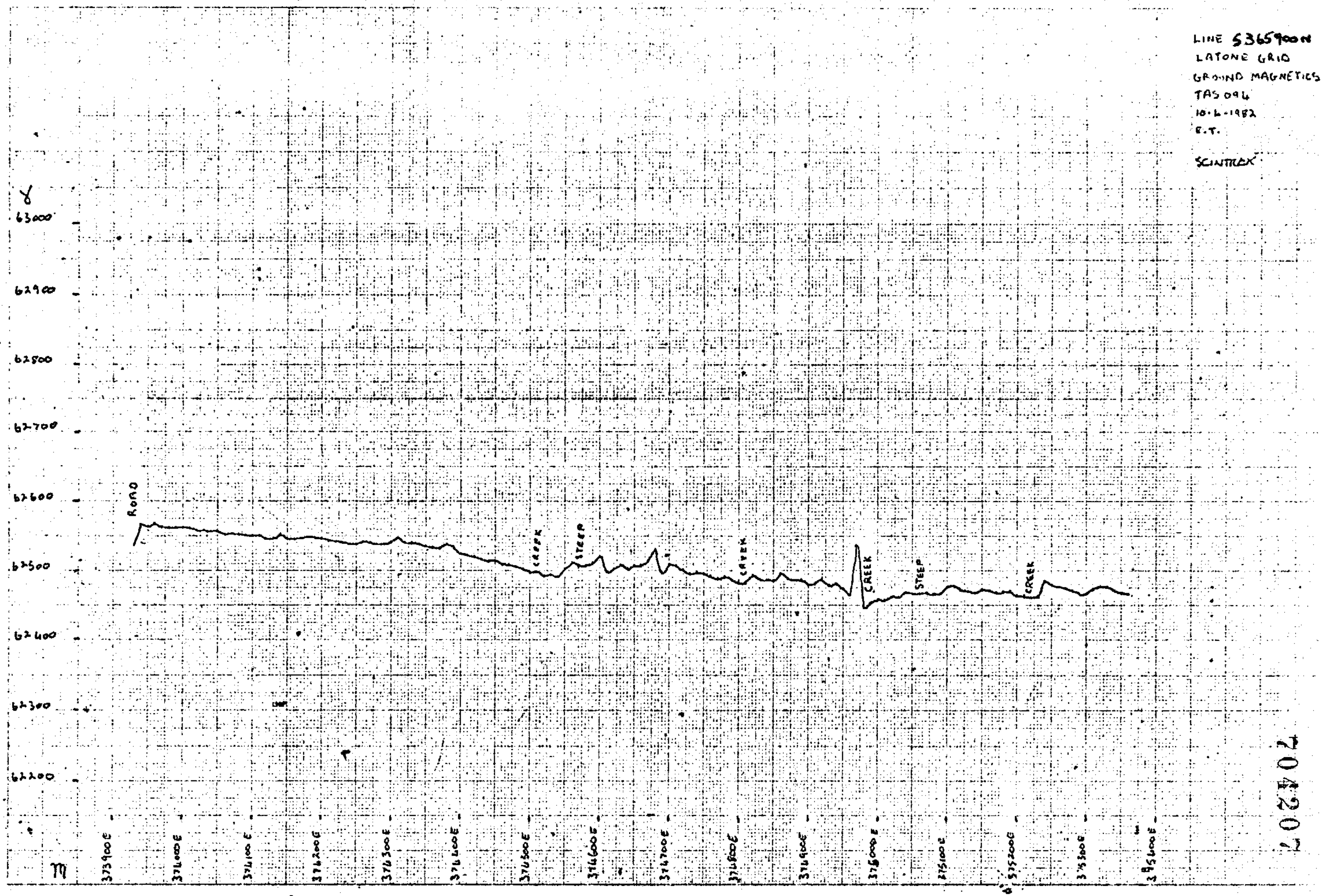
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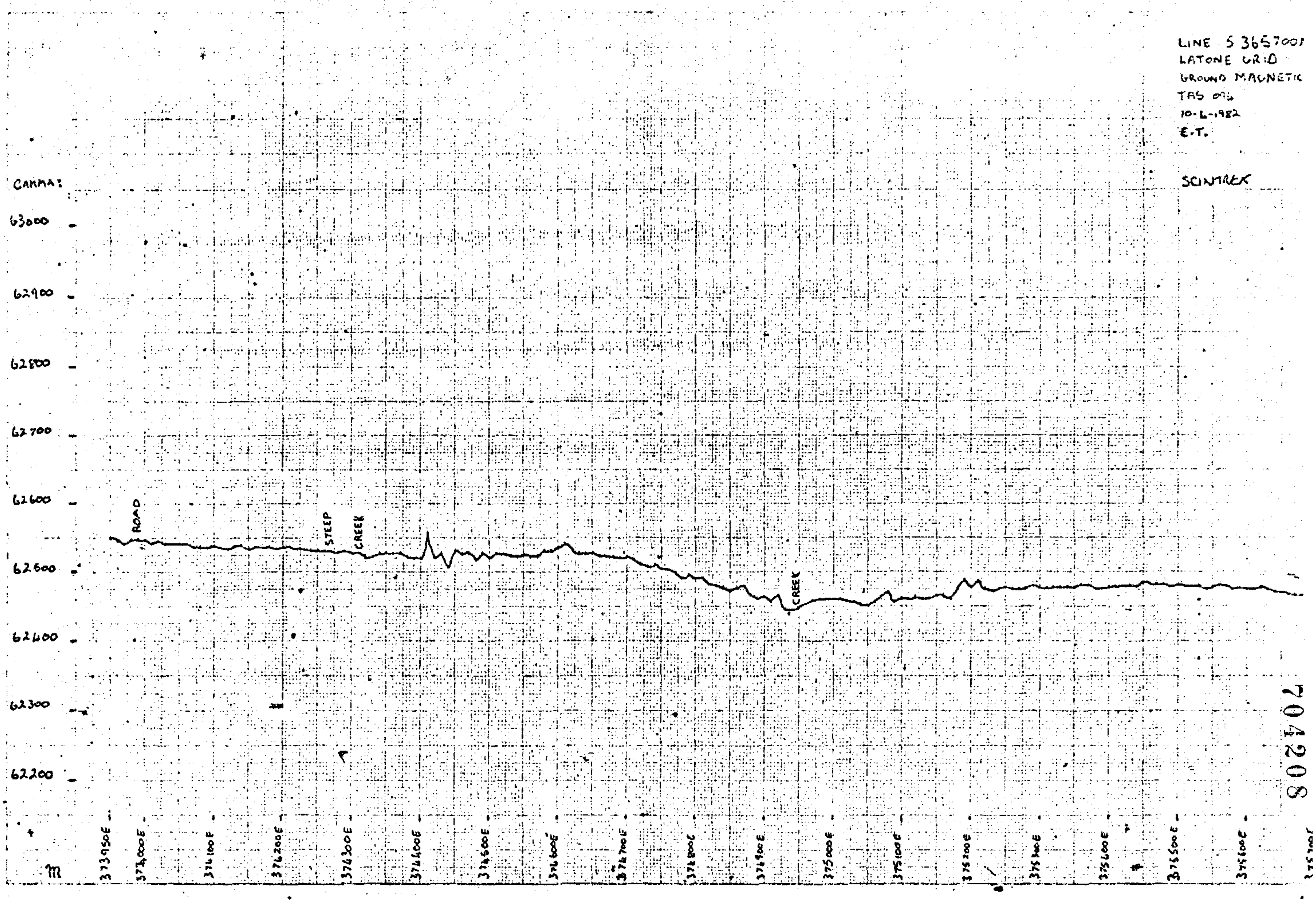
LATONE GRID
GROUND MAGNETICS
TAS 094
10-6-1982
E.T.
SCINTREX
γ
63000
62900
62800
62700
62600
62500
62400
62300
62200
m
373900E
374000E
374100E
374200E
374300E
374400E
374500E
374600E
374700E
374800E
374900E
375000E
375100E
375200E
375300E
375400E
ROAD
CREEK
STEEP
CREEK
CREEK
STEEP
CREEK


LINE 5 3657001
LATONE GRID
GROUND MAGNETIC
TAS 096
10-6-1982
E.T.
SCINTREX
GAMMAS
63000
62900
62800
62700
62600
62600
62400
62300
62200
ROAD
STEEP
CREEK
CREEK
373950E
374000E
374100E
374200E
374300E
374400E
374500E
374600E
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375500E
375600E
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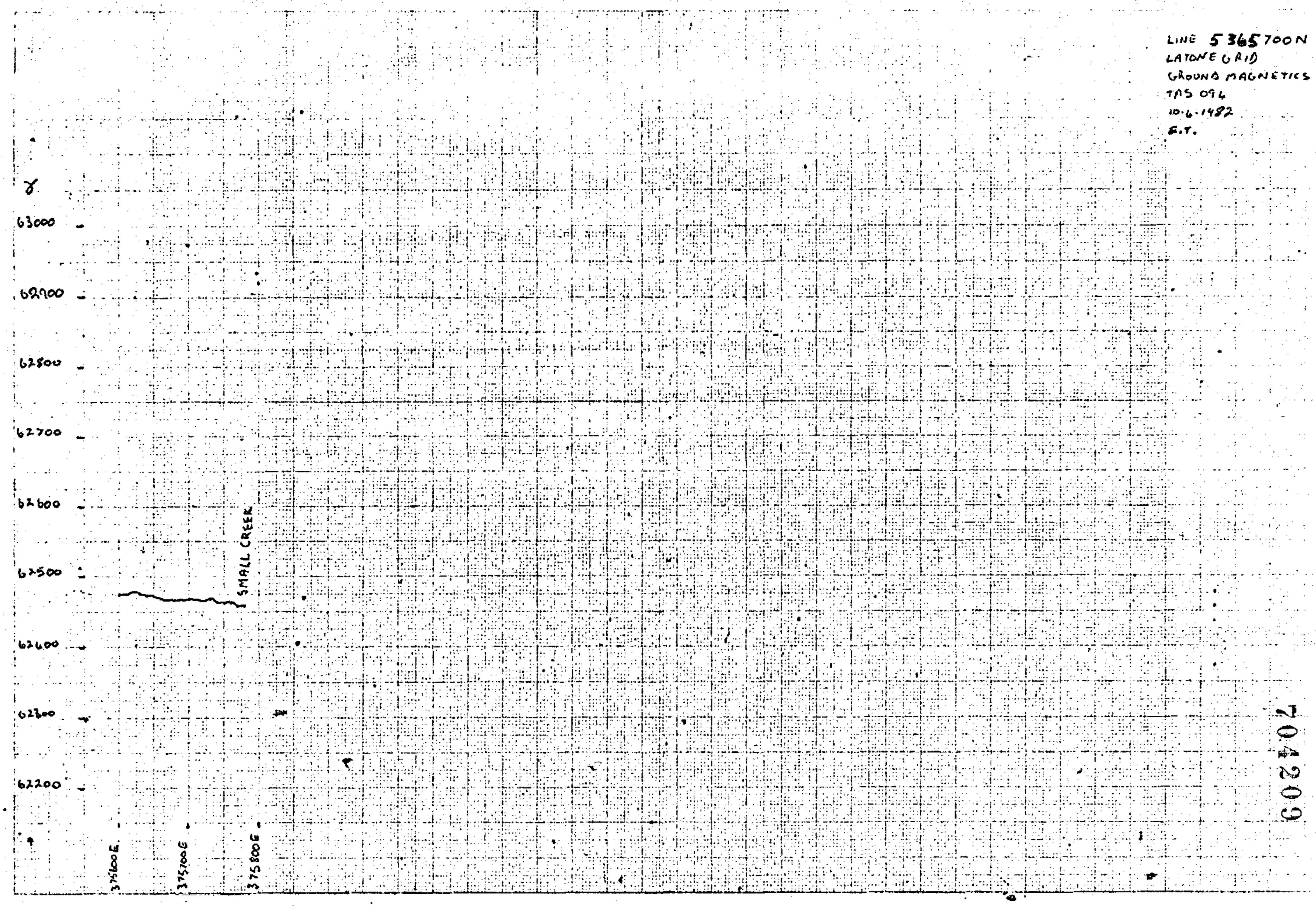
LINE 5365700N
LATONE GRID
GROUND MAGNETICS
TAS 094
10.6.1982
E.T.
γ
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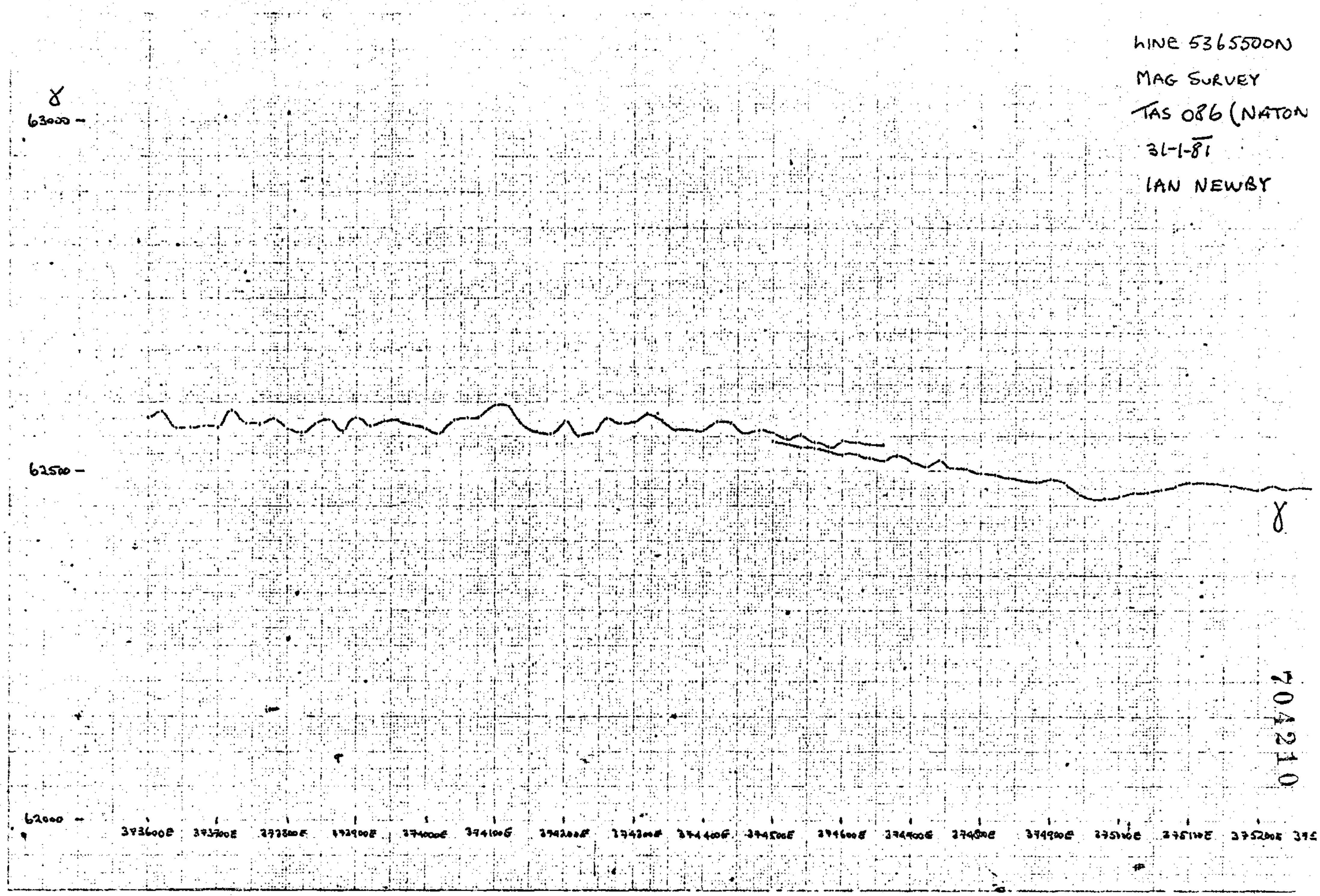
62900
62800
62700
62600
62500
62400
62300
62200
SMALL CREEK
375600E
375700E
375800E

704209

LINE 5365500N
MAG SURVEY
TAS 086 (NATON
31-1-81
IAN NEWBY



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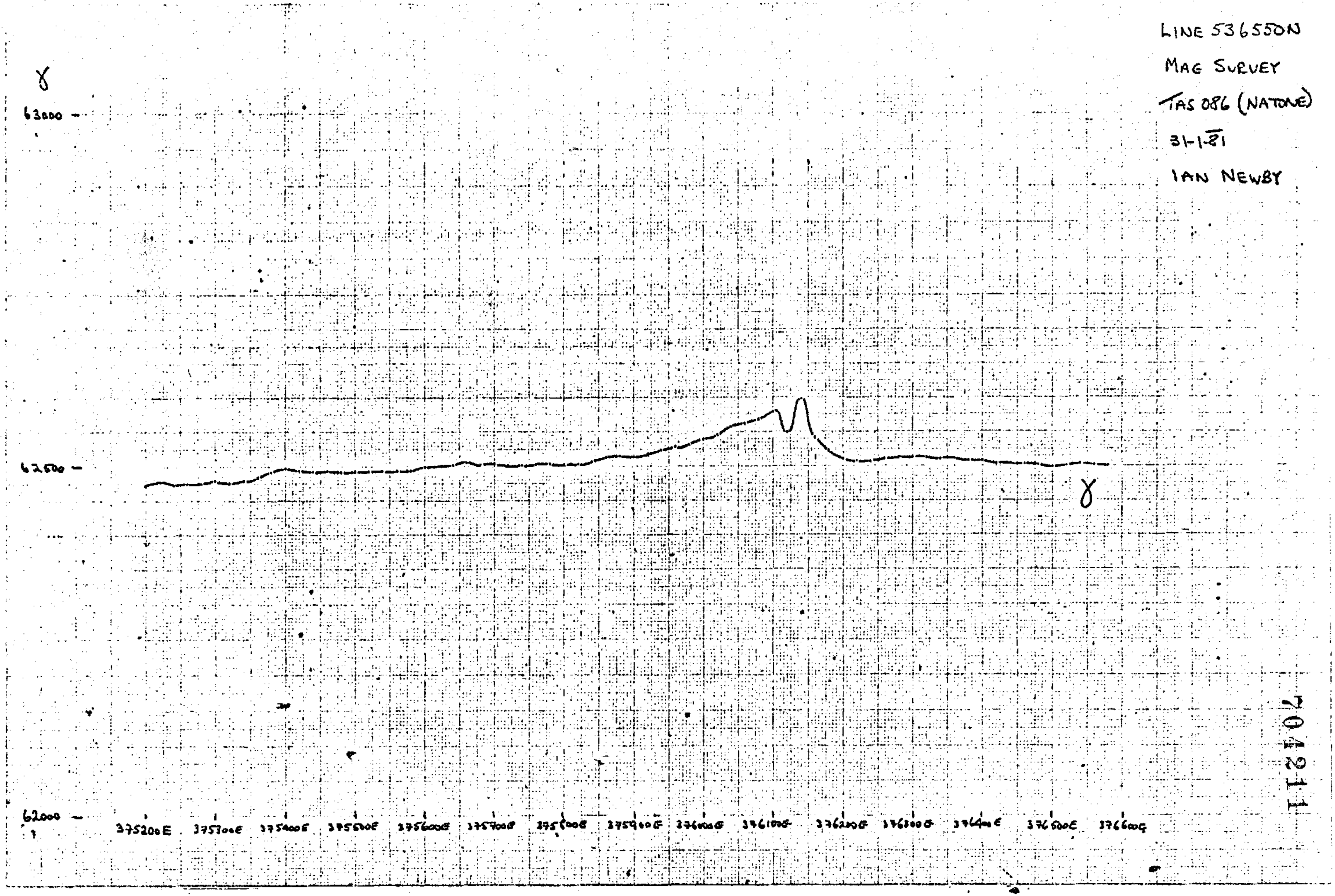
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MAG SURVEY
TAS 086 (NATONE)
31-1-81
IAN NEWBY
γ
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62500
62000
γ
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375300E
375400E
375500E
375600E
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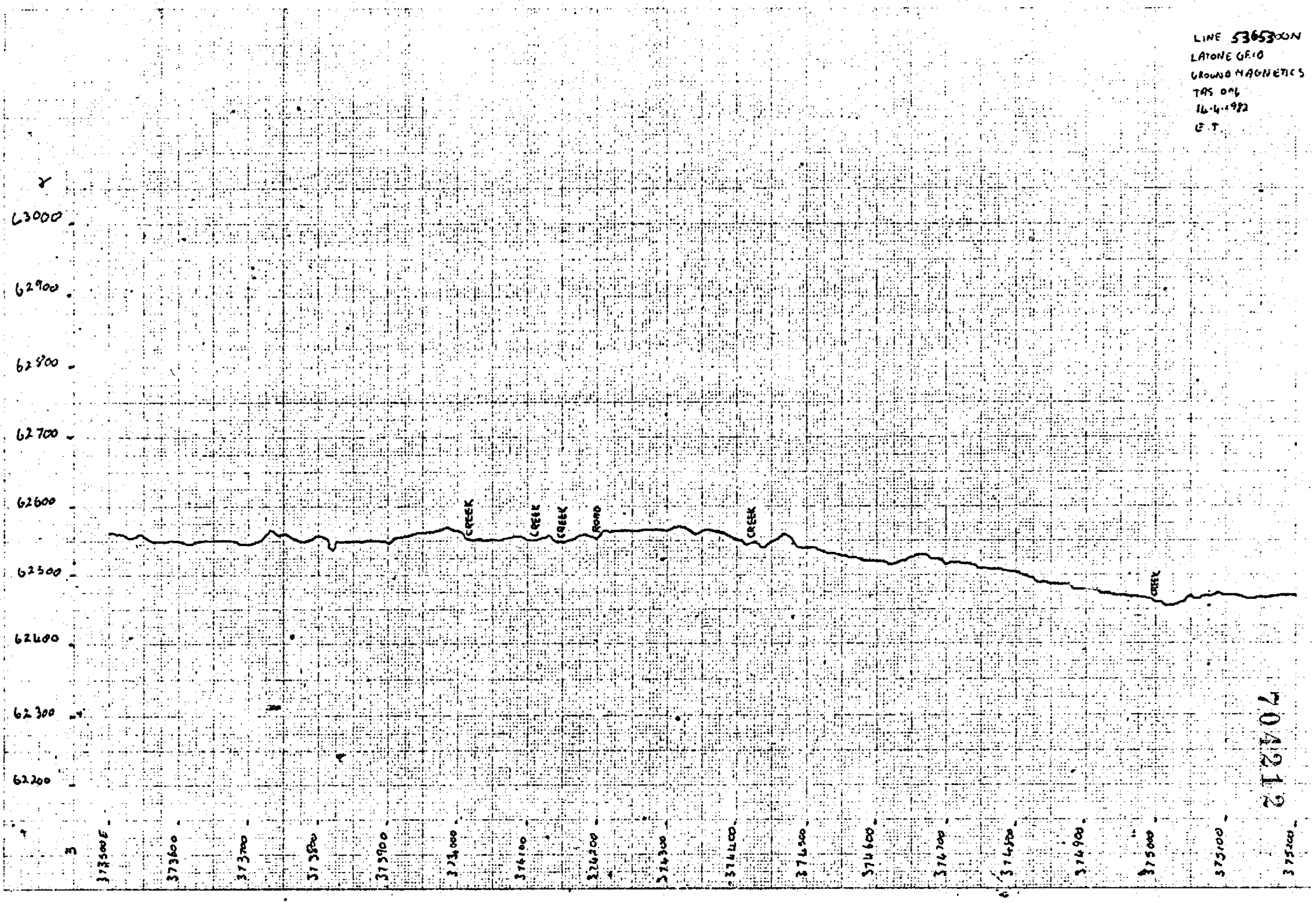
70211


LINE 5365300N
LATONE GRID
GROUND MAGNETICS
TAS 026
16-4-1982
E.T.
γ
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62800
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62600
62500
62400
62300
62200
CREEK
CREEK
CREEK
ROAD
CREEK
CREEK
373500E
373600
373700
373800
373900
374000
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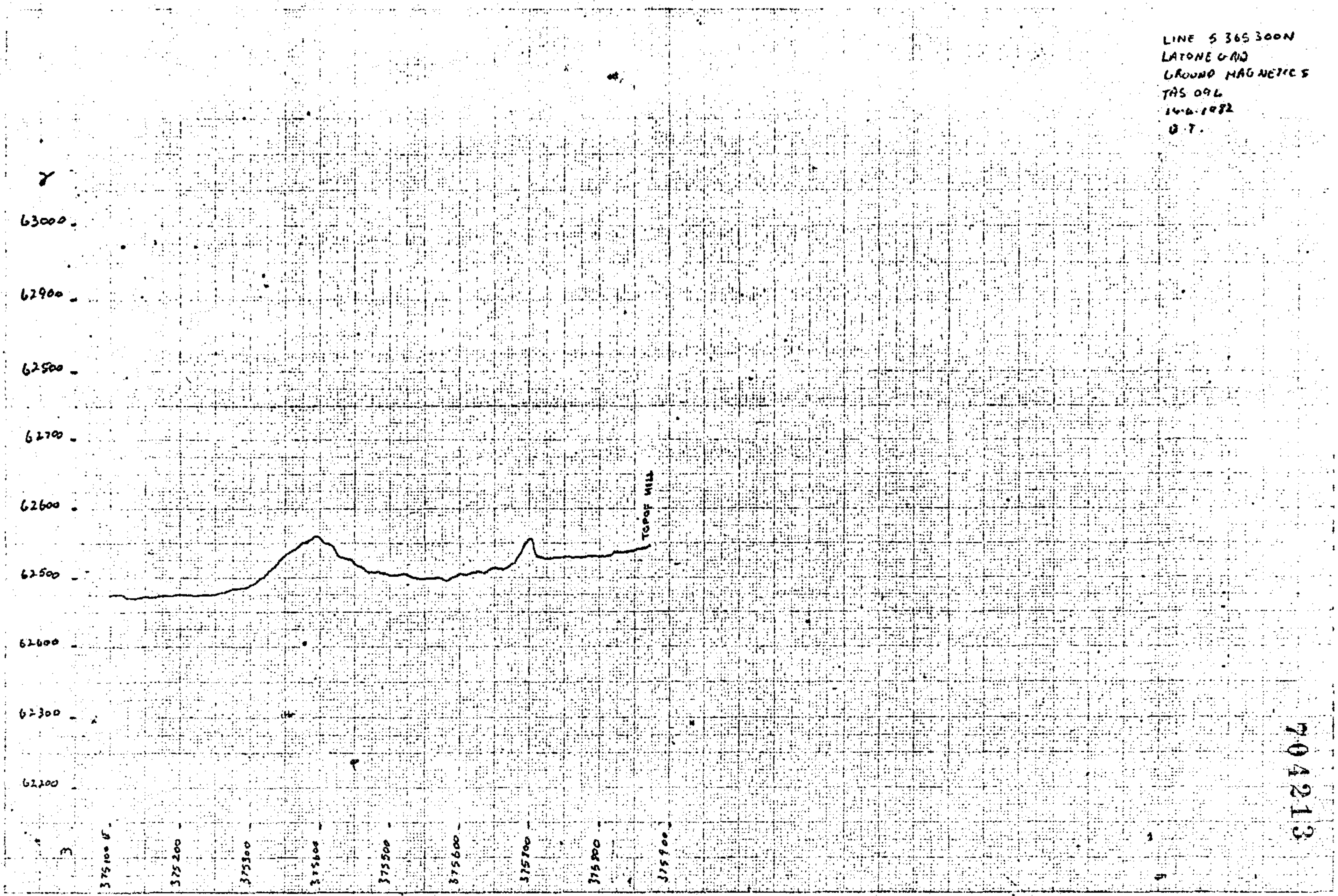
704212



LINE 5 365 300N
LATONE GRID
GROUND MAGNETICS
TAS 096
14.6.1982
O.T.
γ
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62700
62600
62500
62600
62300
62200
TOP OF HILL
m
375100 E
375200
375300
375400
375500
375600
375700
375800
375900

70213


LINE 5365100
LATONE GRID
GROUND MAGNETI
TAS 096
14.6.1982
E.T.
γ
63000
62900
62800
62700
62600
62500
62400
62300
62200
m
CREEK
CREEK
ROAD
CREEK
373400E
373500
373600
373700
373800
373900
374000
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374500
374600
374700
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70421 4

LINE 5365100N
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GROUND MAGNETICS
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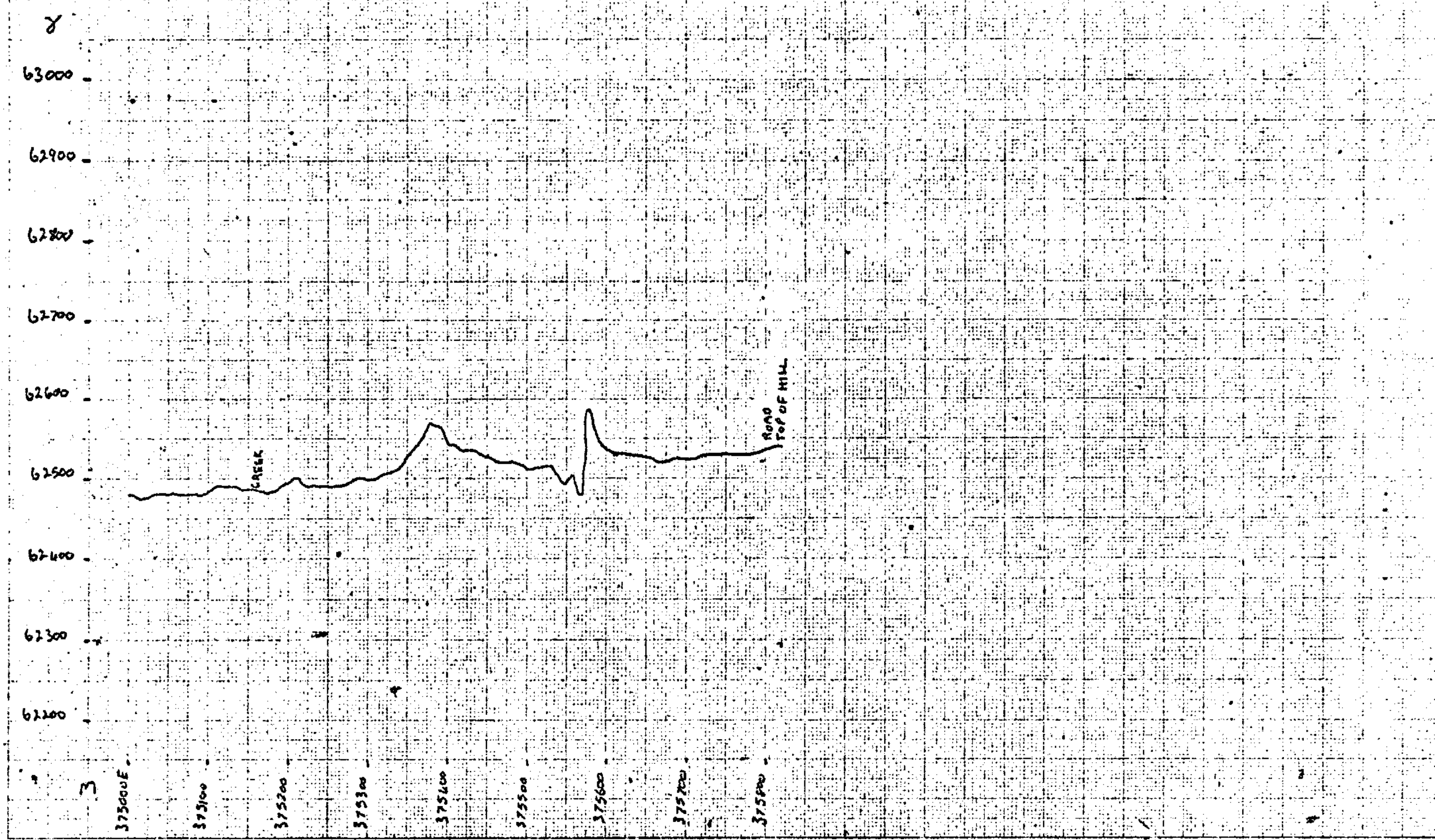
16-6-1982
E.T.



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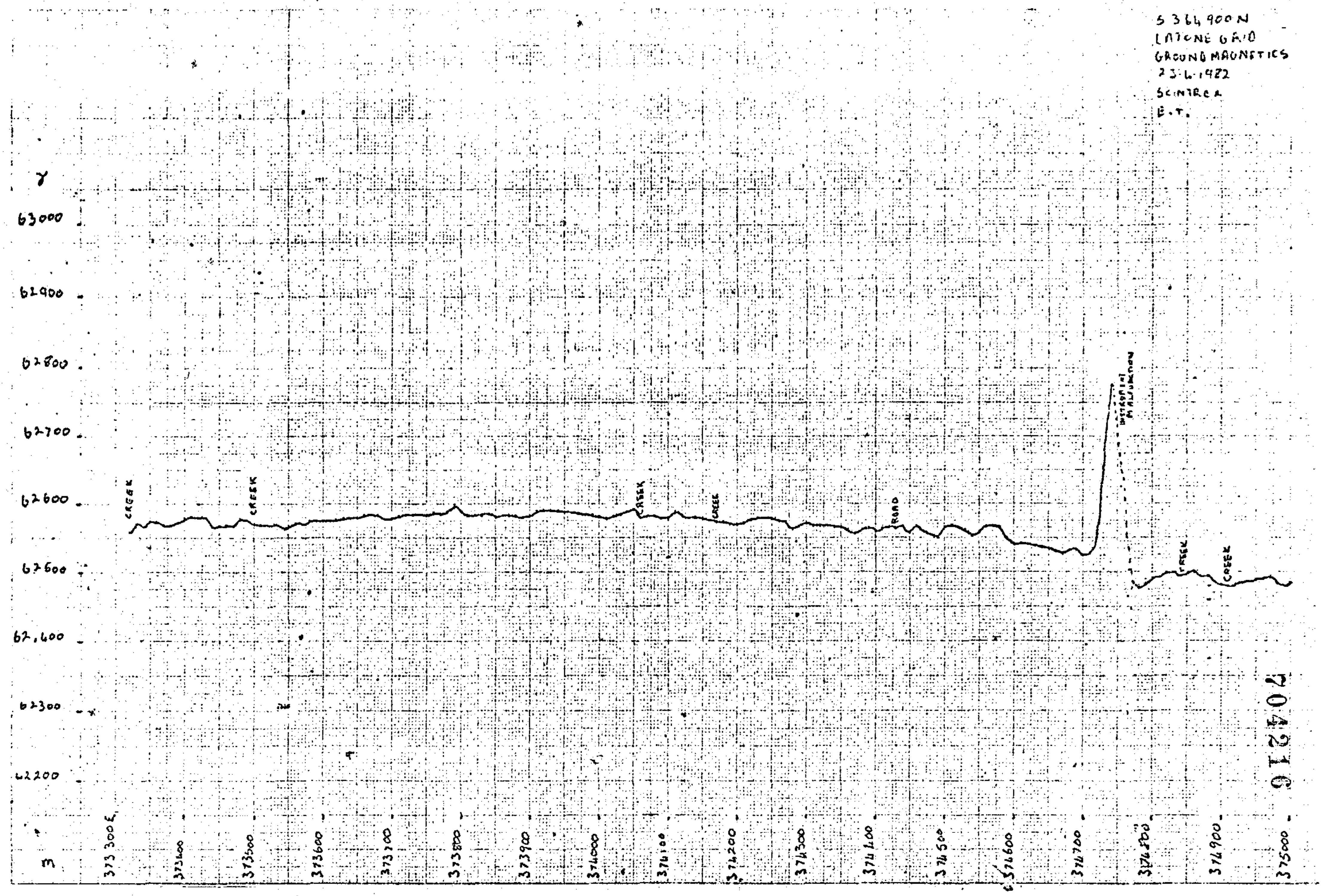

5 364 900 N
LATONE GRID
GROUND MAGNETICS
23-6-1982
SCINTREX
E.T.
γ
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62900
62800
62700
62600
62600
62,400
62300
62200
m
373 300 E
373400
373500
373600
373700
373800
373900
374000
374100
374200
374300
374400
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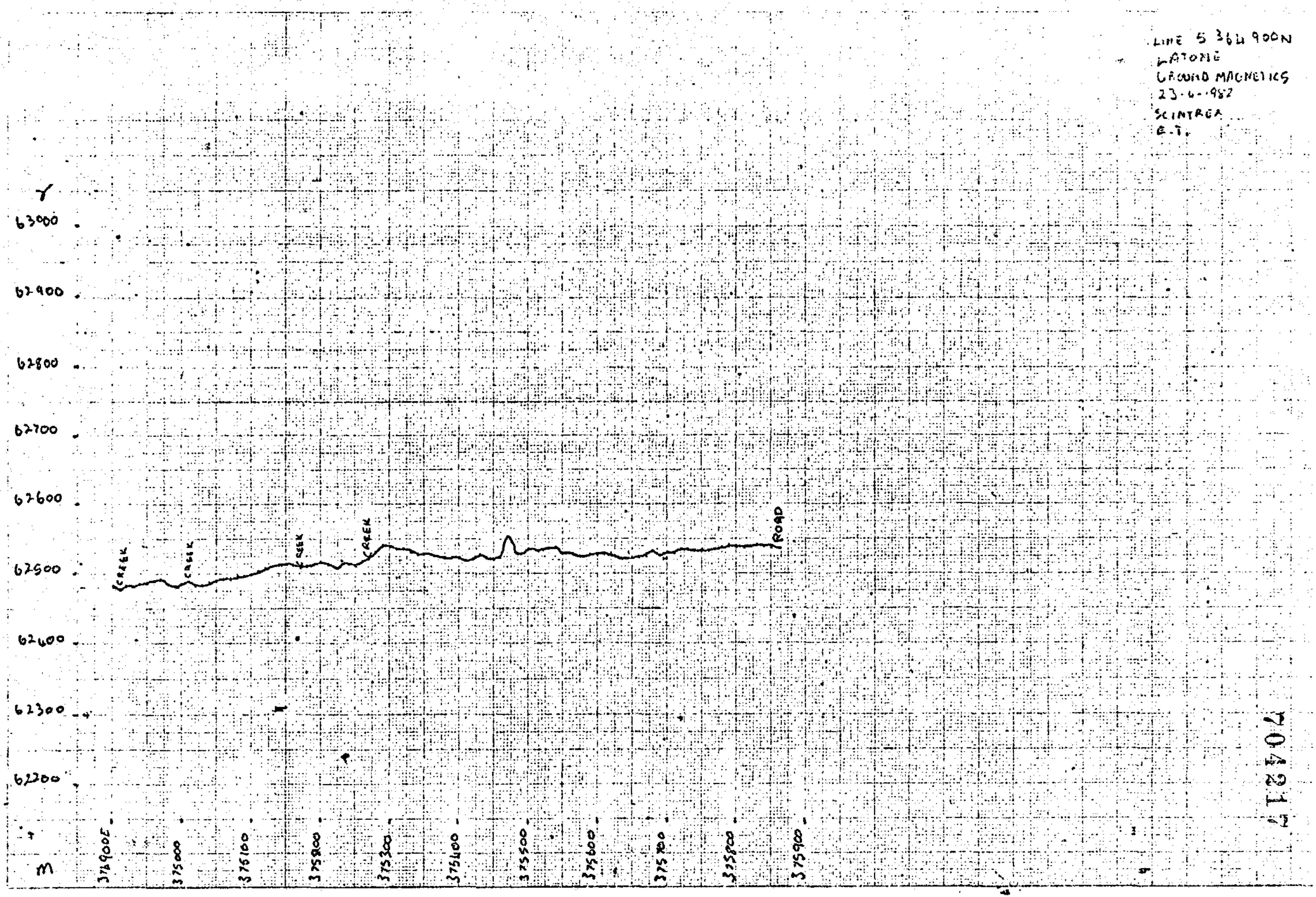
CREEK
CREEK
CREEK
ROAD
CREEK
CREEK

704216


LINE 5 364 900N
LATONE
GROUND MAGNETICS
23-6-1982
SCINTREX
E.T.
γ
63000
62900
62800
62700
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62500
62400
62300
62200
CREEK
CREEK
CREEK
CREEK
ROAD
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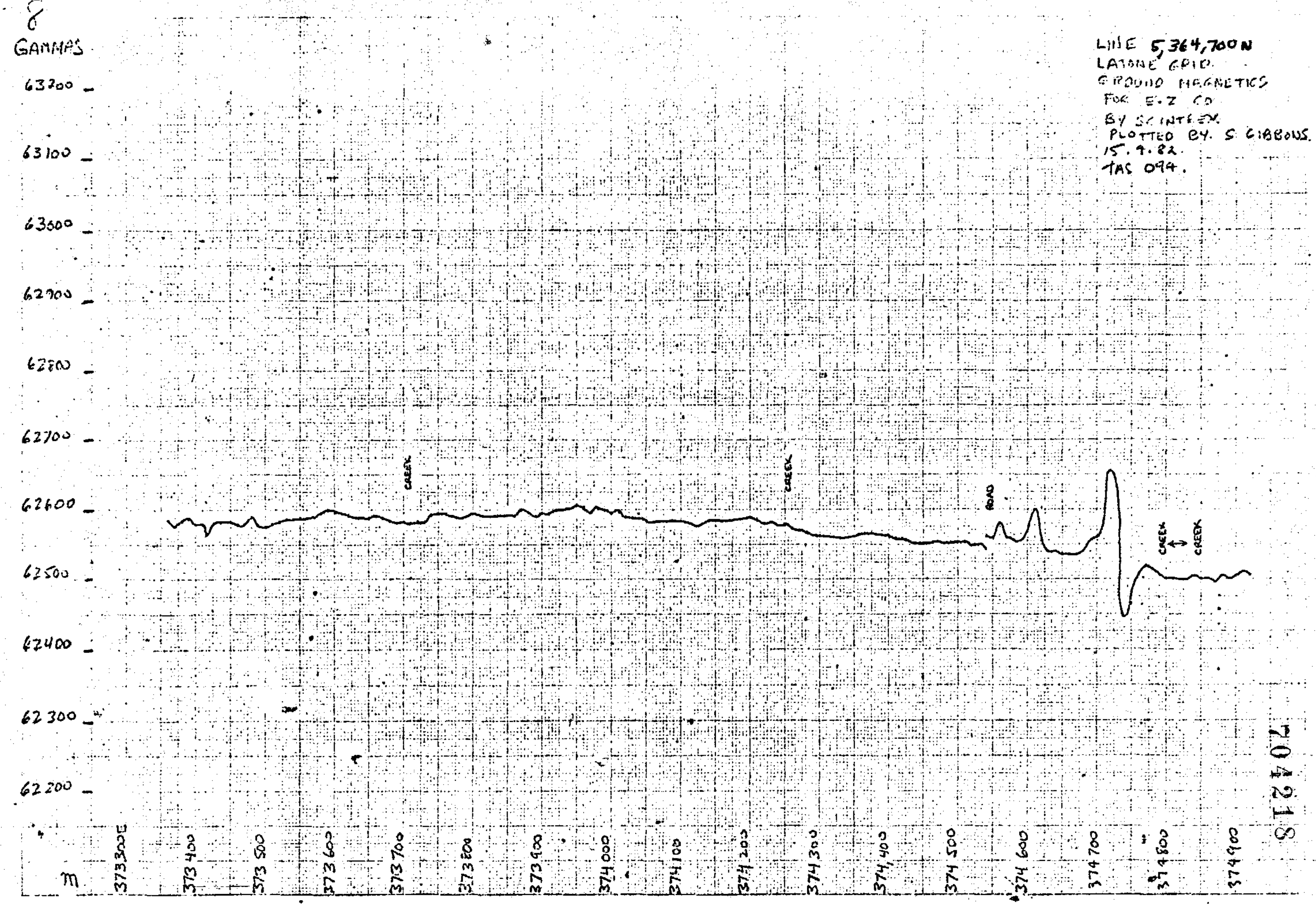
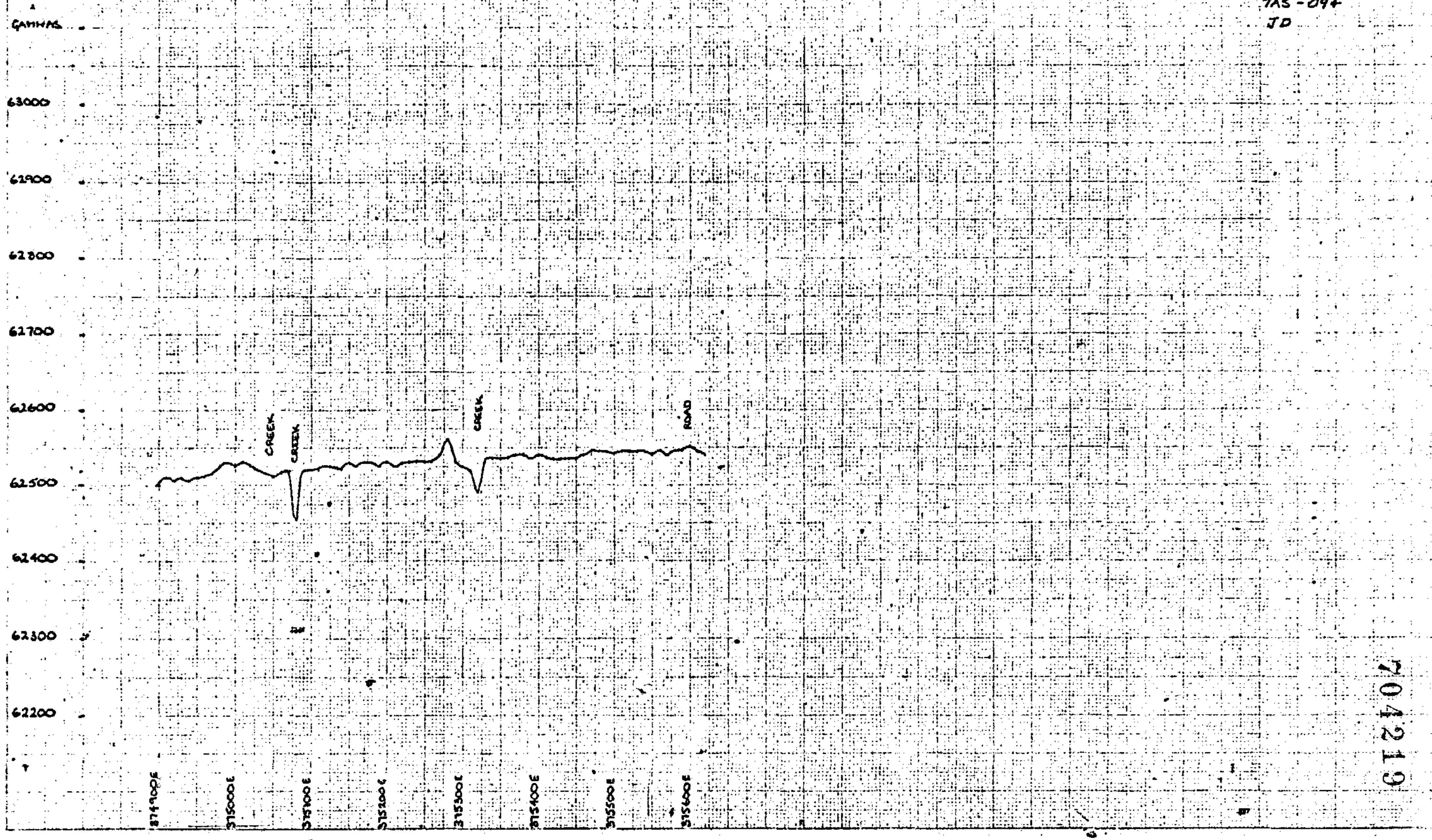
375900

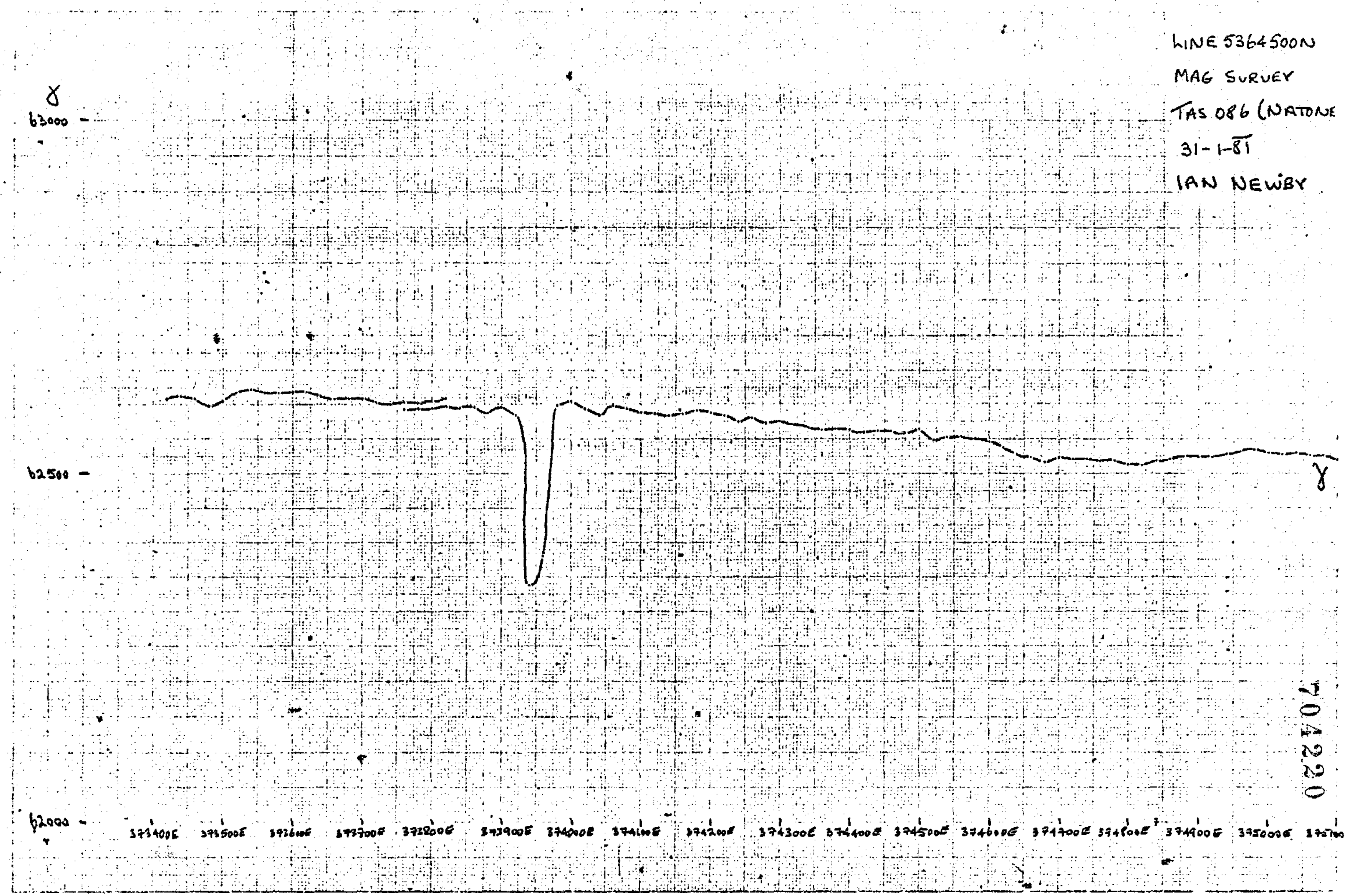

8
GAMMAS
LINE 5,364,700N
LATONE GRID
GROUND MAGNETICS
FOR E-Z CO
BY SCINTREX
PLOTTED BY. S GIBBONS.
15.9.82.
TAS 094.
63200
63100
63000
62900
62800
62700
62600
62500
62400
62300
62200
CREEK
CREEK
ROAD
CREEK
CREEK
m
373300E
373 400
373 500
373 600
373 700
373 800
373 900
374 000
374 100
374 200
374 300
374 400
374 500
374 600
374 700
374 800
374 900

70218

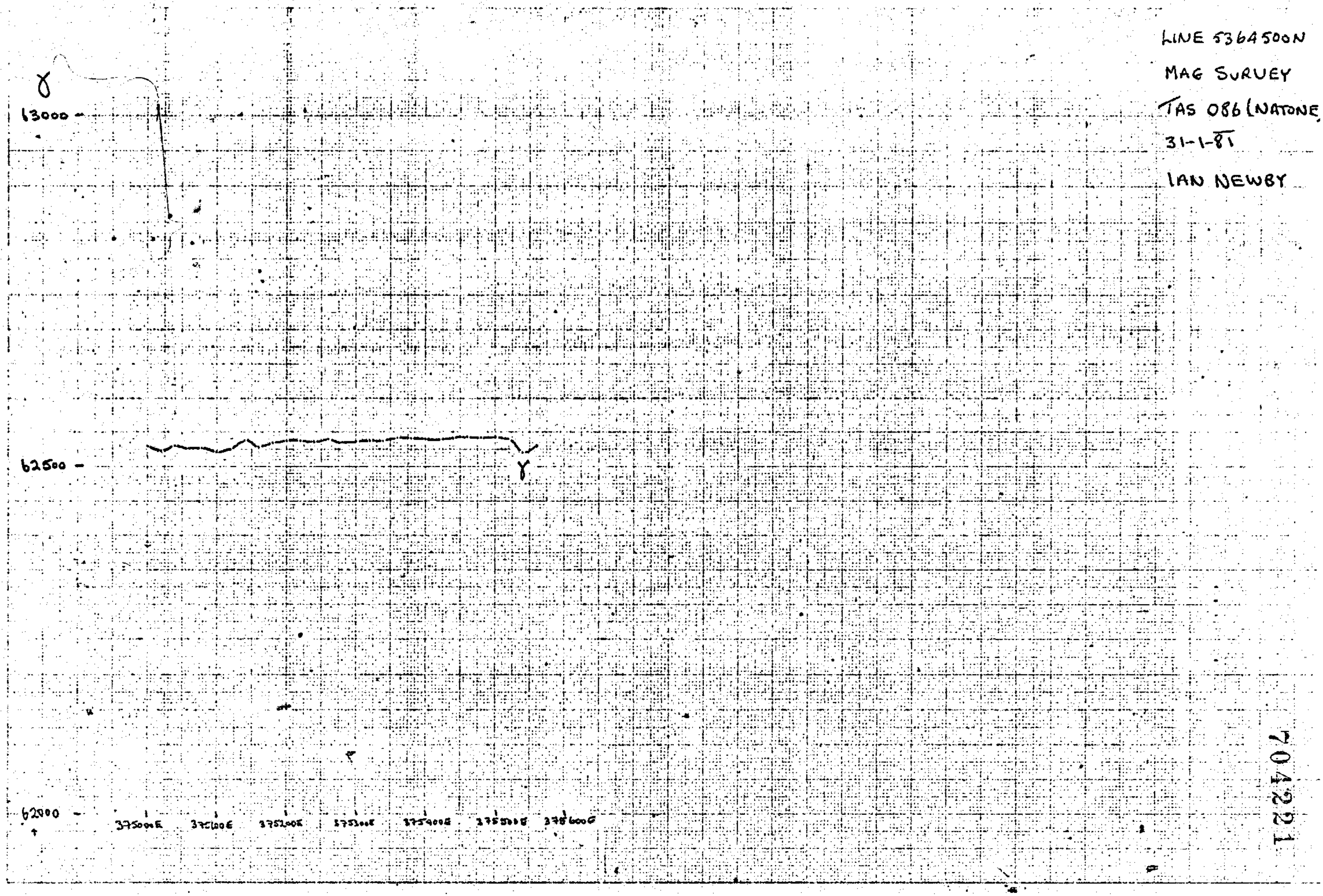
LINE 5364700N
LATONE GRID
GROUND MAGNETICS
FOR E Z CO.
15-4-82
TAS-094
JD



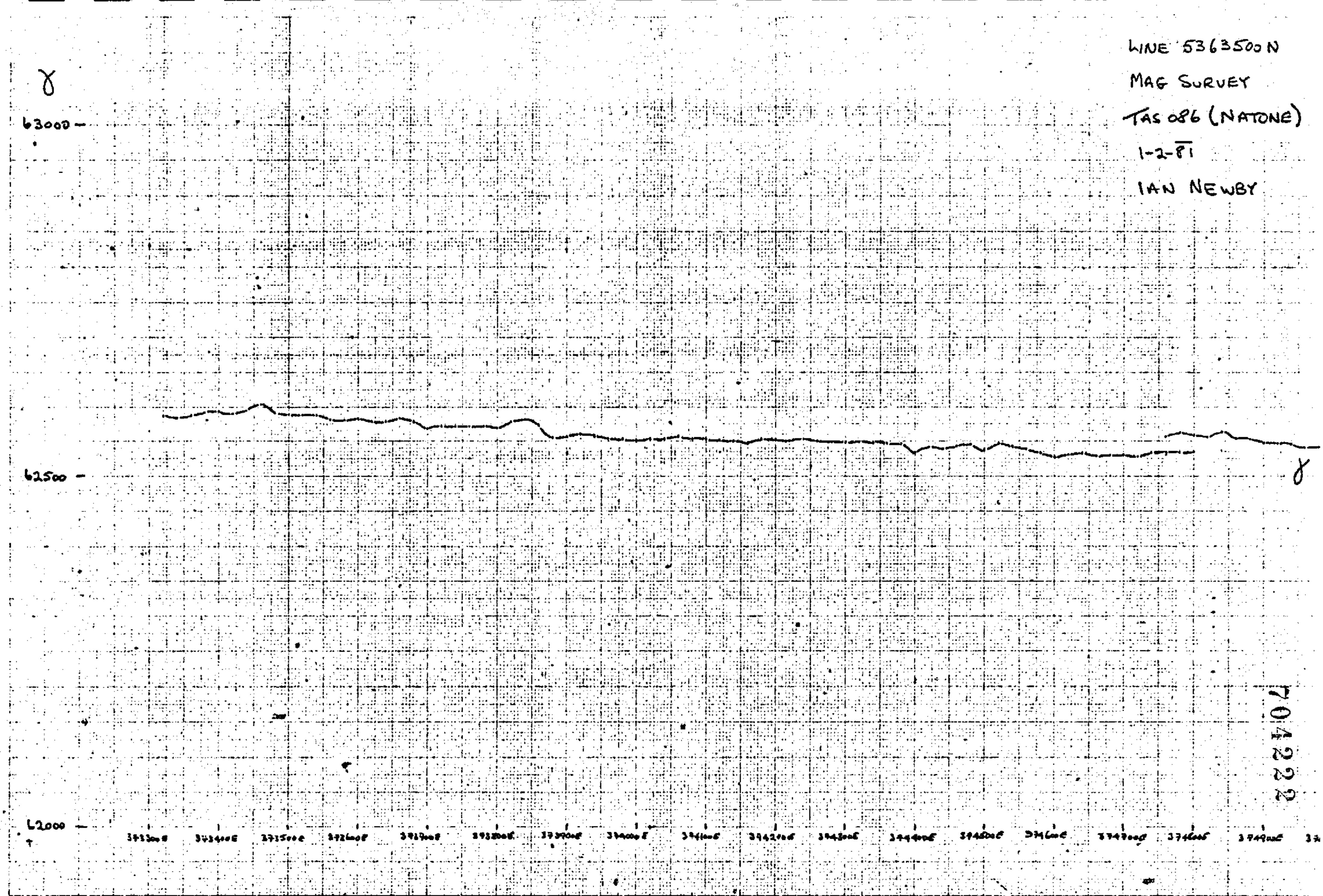
70219


LINE 5364500N
MAG SURVEY
TAS 086 (NATONE
31-1-81
IAN NEWBY
γ
63000
62500
62000
γ
373400E
373500E
373600E
373700E
373800E
373900E
374000E
374100E
374200E
374300E
374400E
374500E
374600E
374700E
374800E
374900E
375000E

704220


LINE 5364500N
MAG SURVEY
TAS 086 (NATONE
31-1-81
IAN NEWBY
63000
62500
62000
375000E
375100E
375200E
375300E
375400E
375500E
375600E

70421


LINE 5363500N
MAG SURVEY
TAS 086 (NATONE)
1-2-81
IAN NEWBY
γ
63000
62500
62000
γ
70422

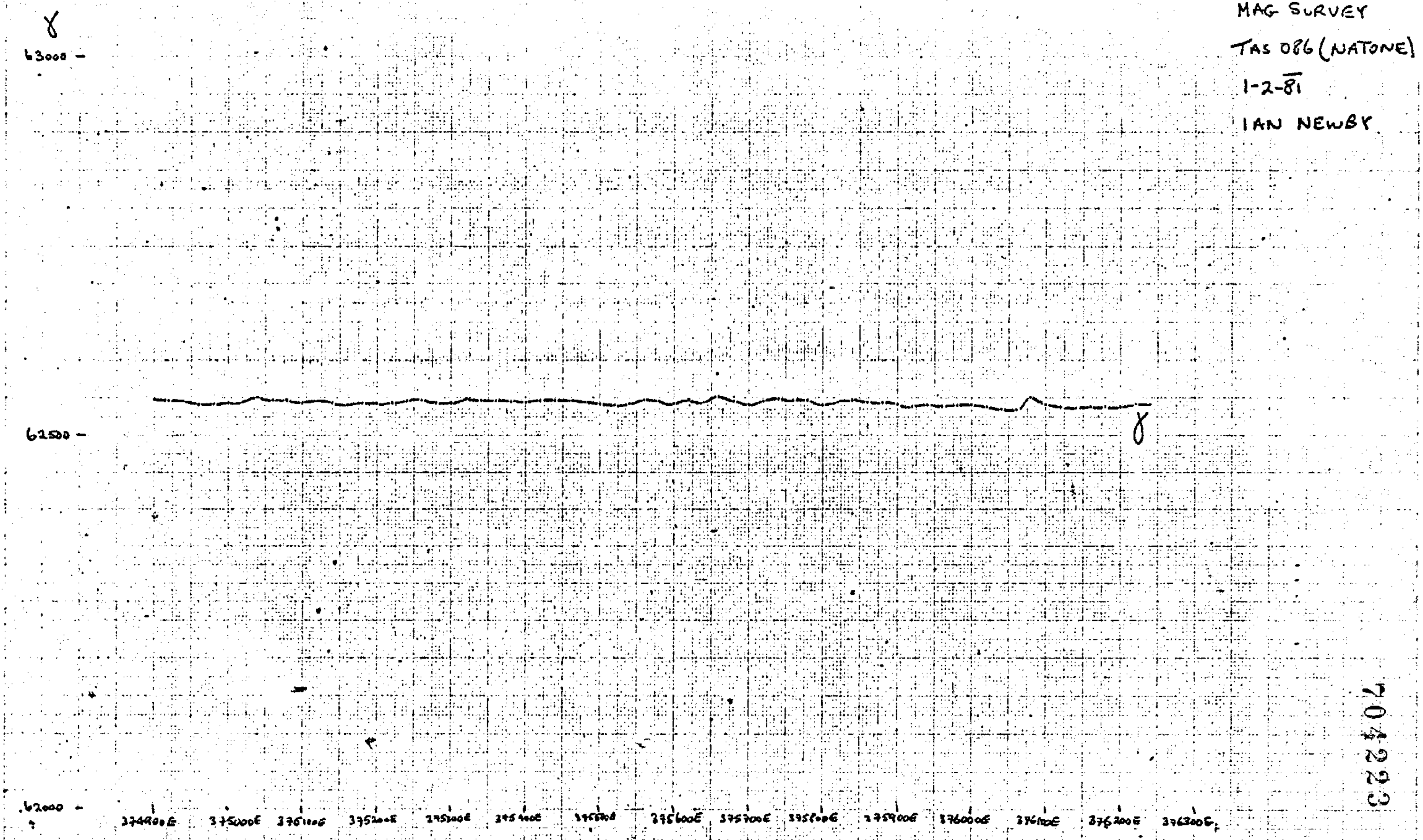
LINE 5363500N

MAG SURVEY

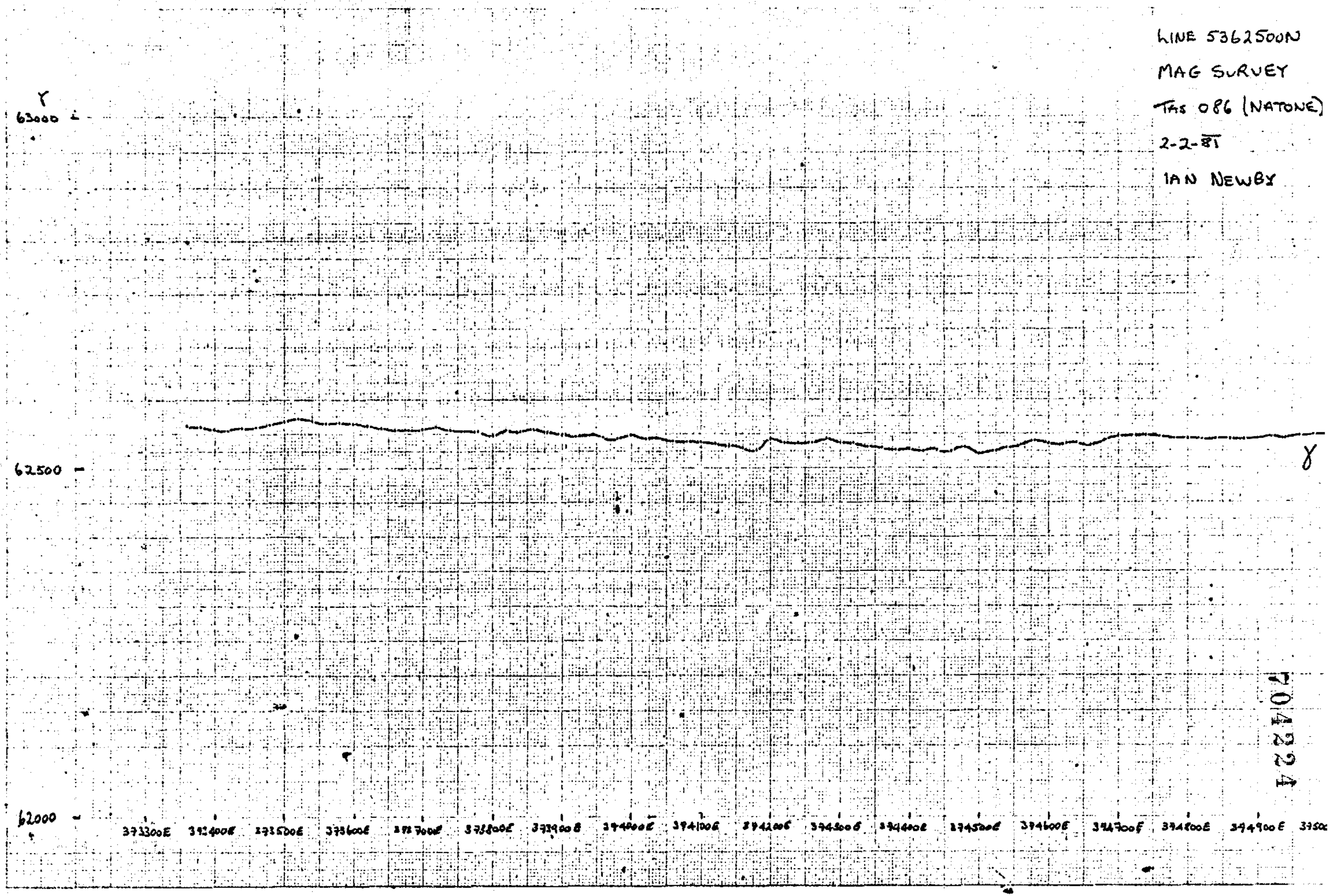
TAS 086 (NATONE)

1-2-81

IAN NEWBY



704223



LINE 5362500N
MAG SURVEY
TAS 086 (NATONE)
2-2-81
IAN NEWBY
γ
63000
62500
62000
γ
373300E
373400E
373500E
373600E
373700E
373800E
373900E
374000E
374100E
374200E
374300E
374400E
374500E
374600E
374700E
374800E
374900E
70424

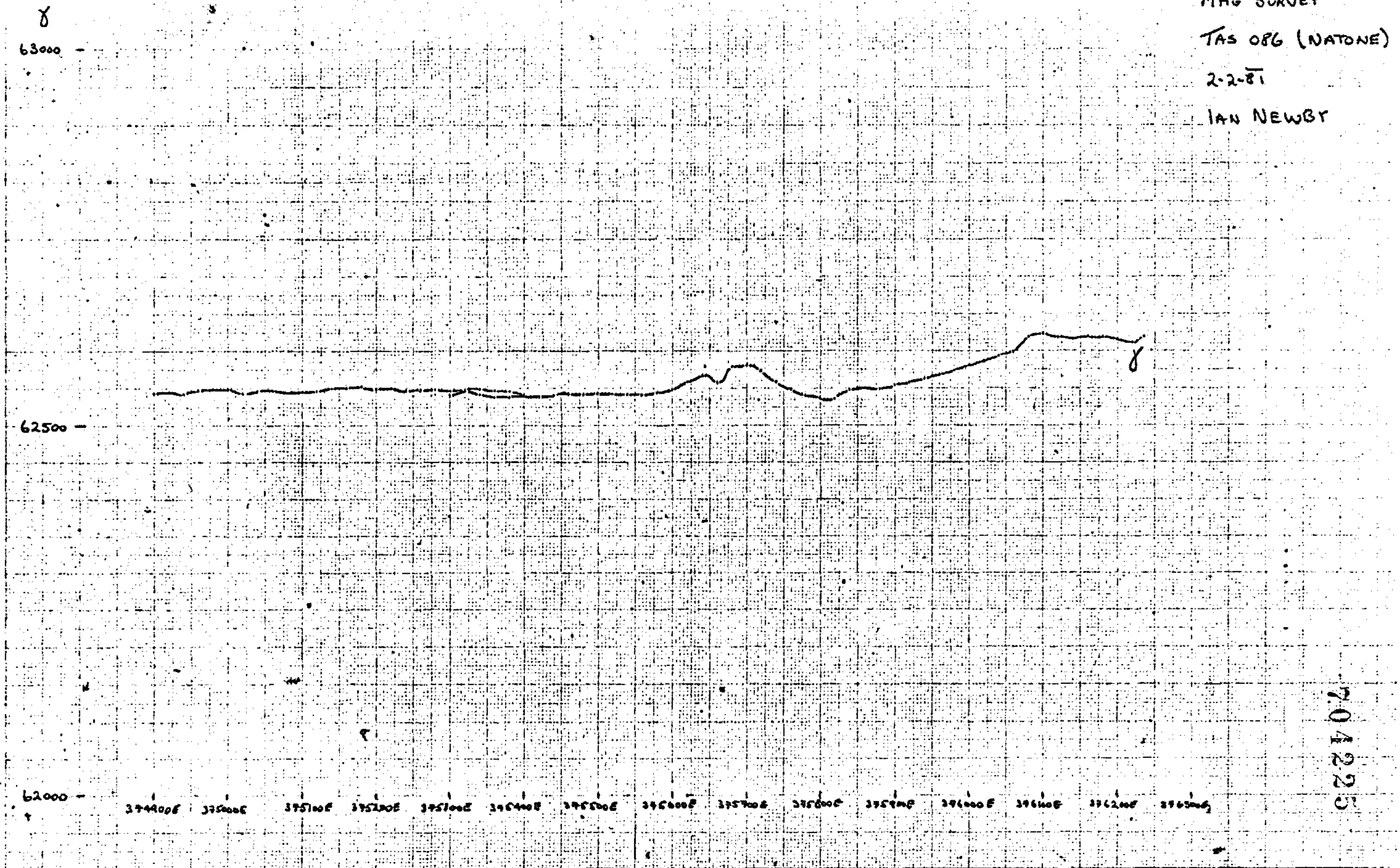
LINE 5362500N

MAG SURVEY

TAS 086 (NATONE)

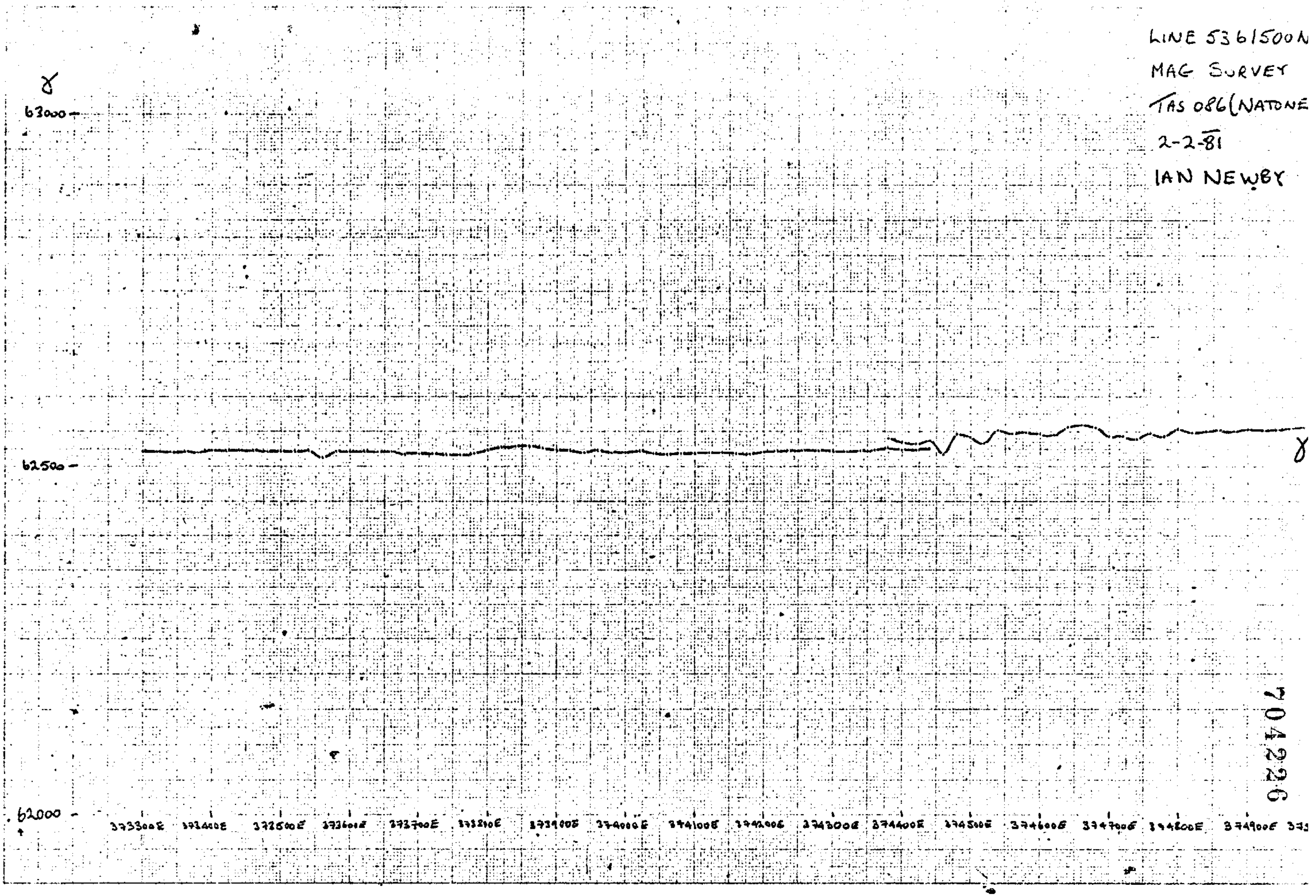
2-2-81

IAN NEWBY

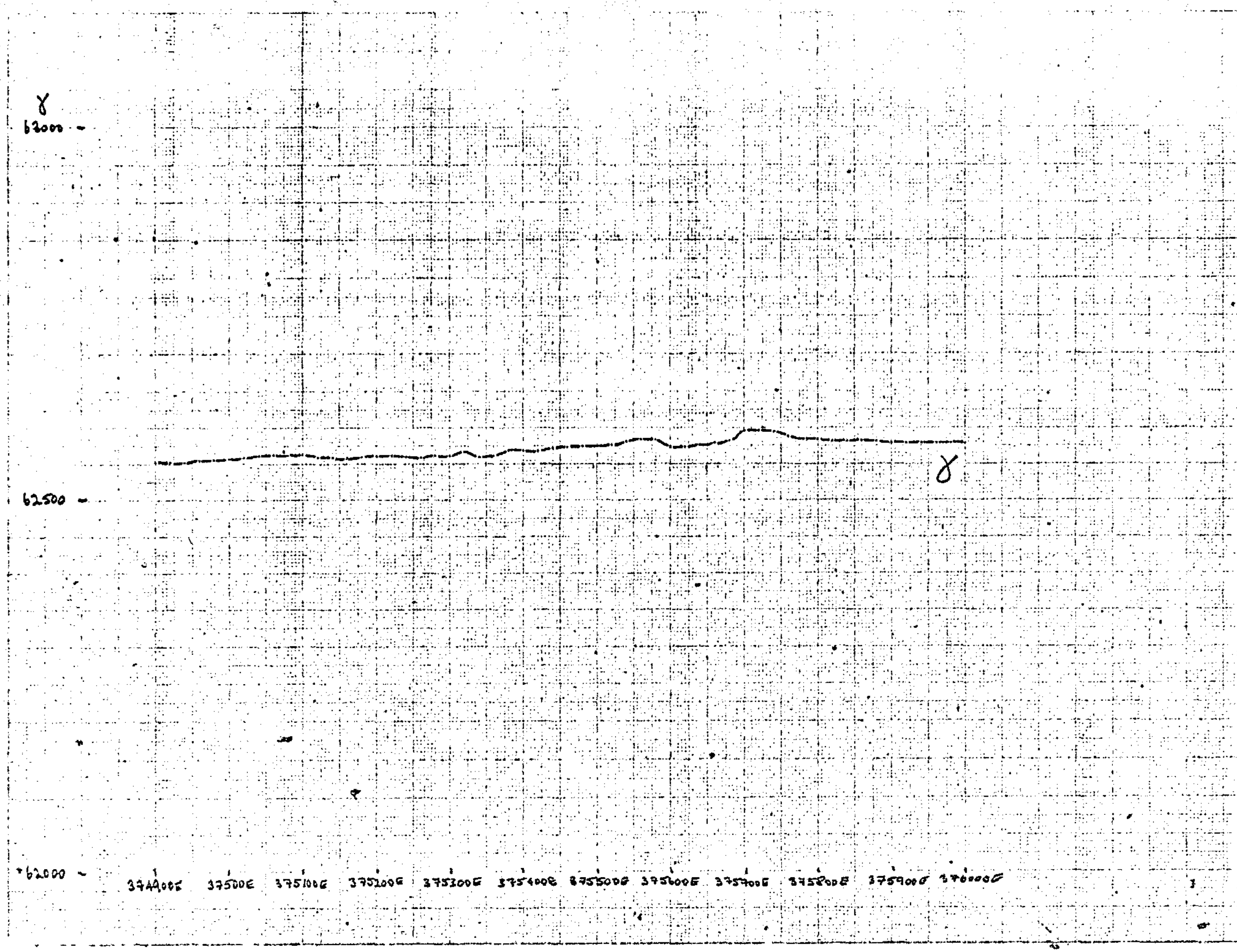


704225

LINE 536/500N
MAG SURVEY
TAS 086 (NATONE
2-2-81
IAN NEWBY

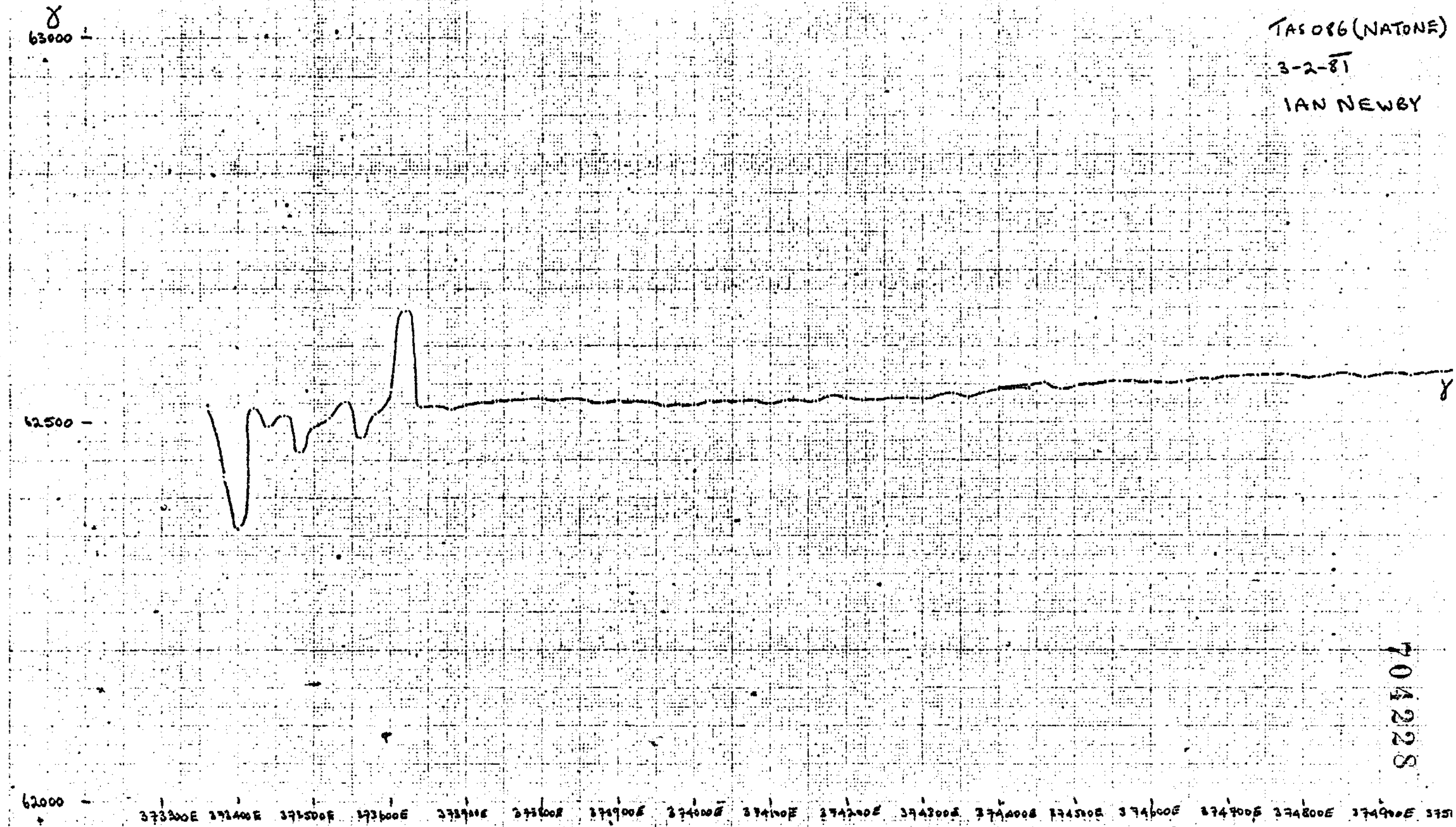


704226



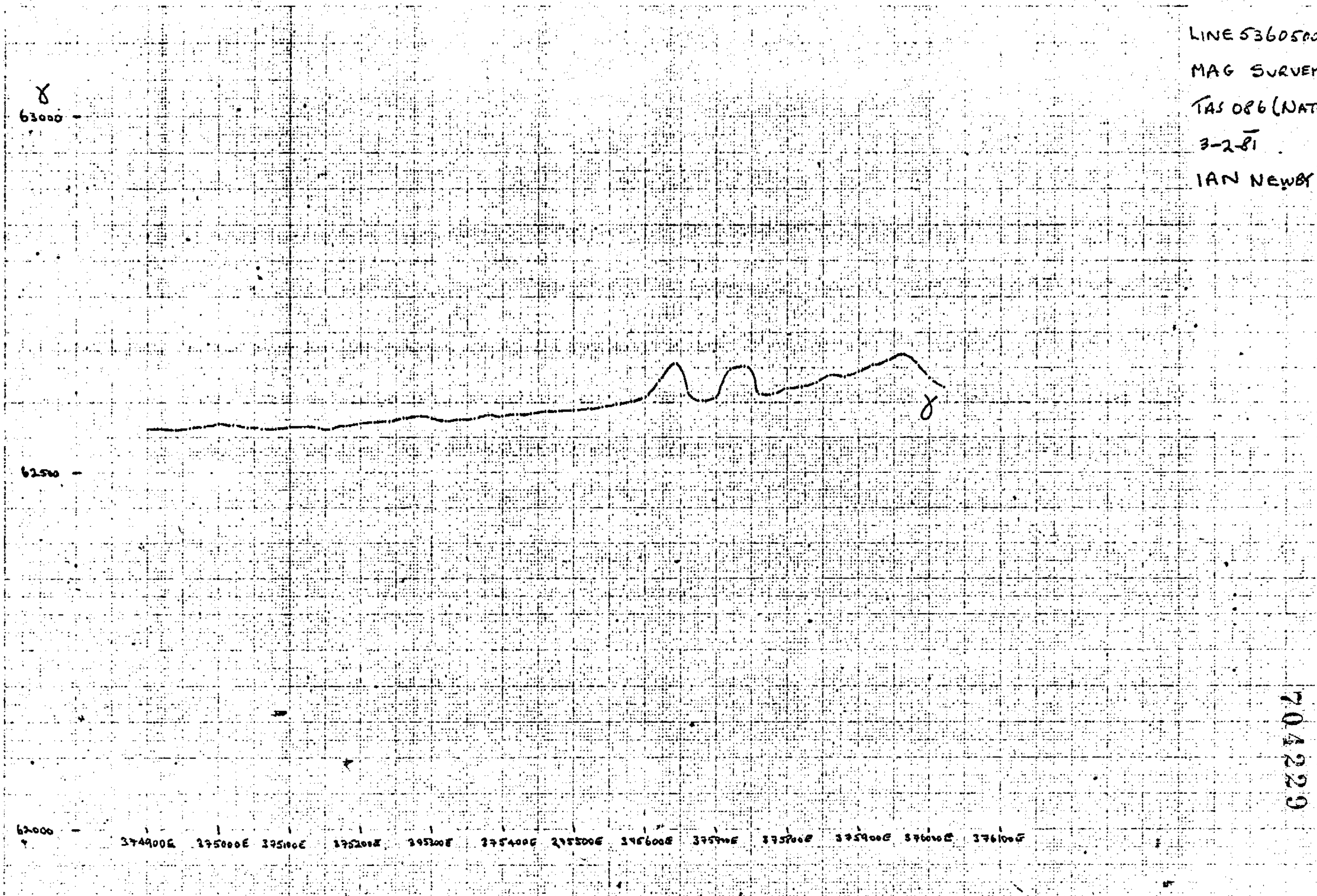
LINE 5361500N
MAG SURVEY
TAS 086 (NATON
2-2-81
IAN NEWBY

LINE 5360500N
MAG SURVEY
TAS 086 (NATONE)
3-2-81
IAN NEWBY

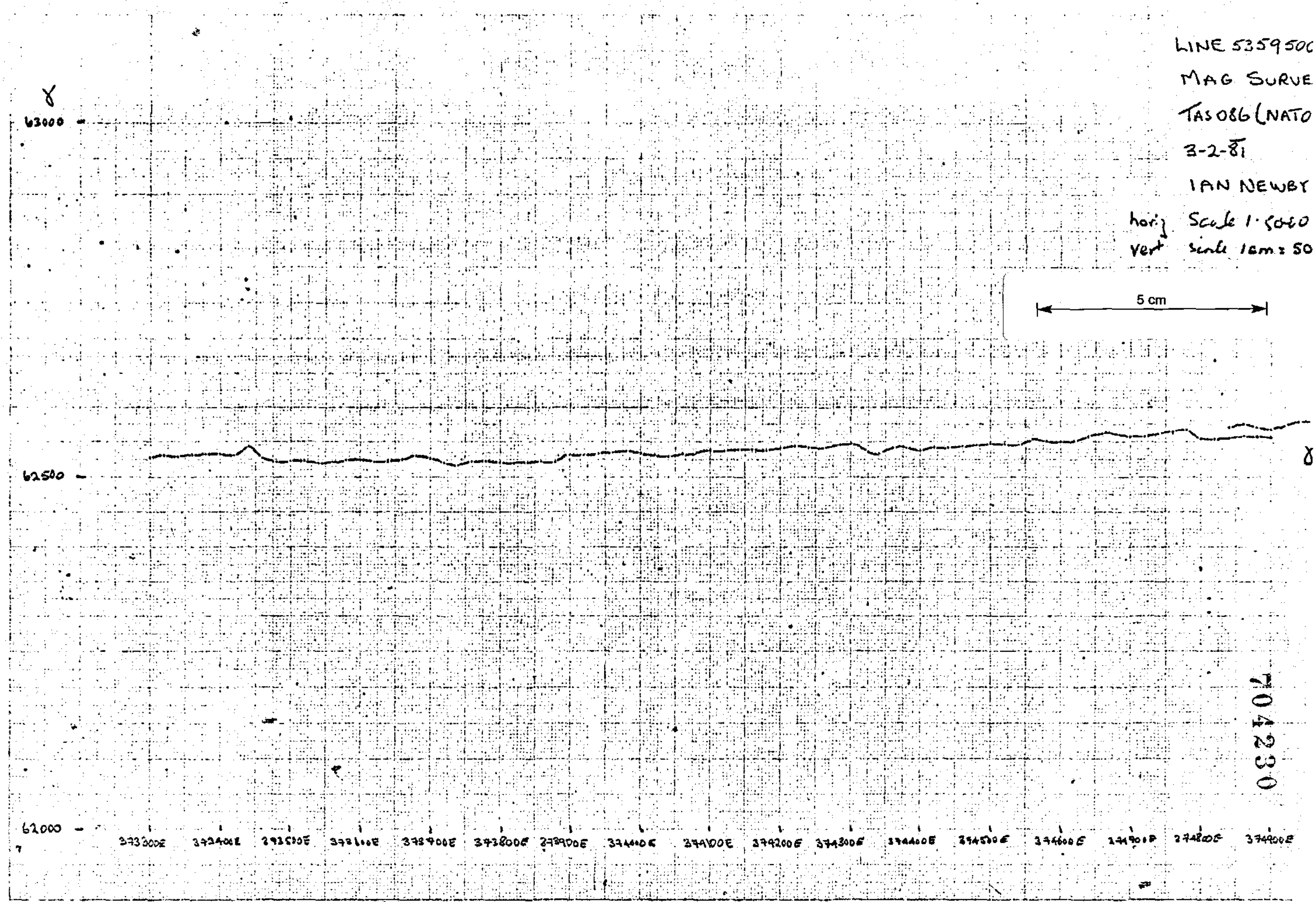


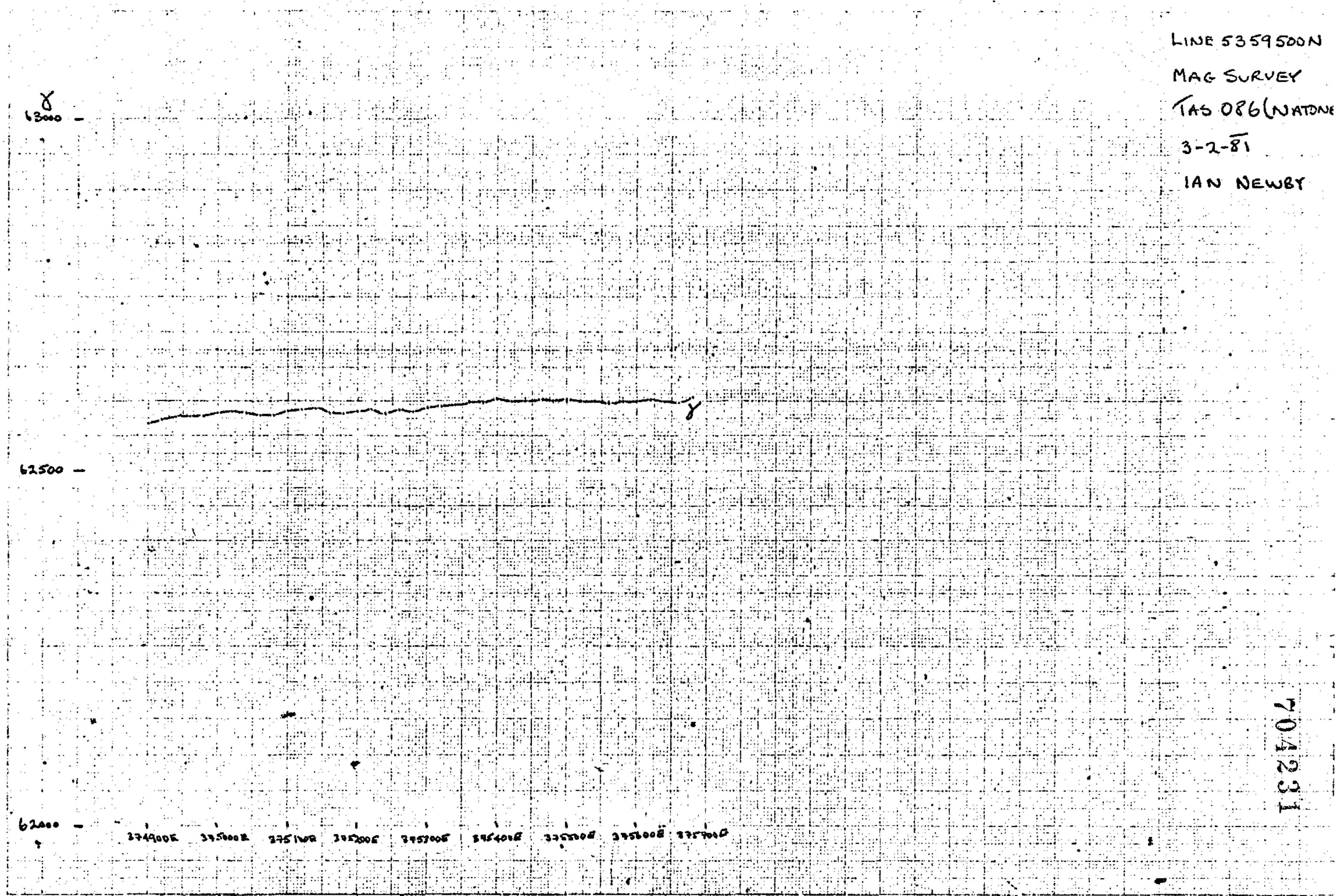
70428

LINE 5360500 N
MAG SURVEY
TAS 086 (NATON
3-2-81
IAN NEWBY



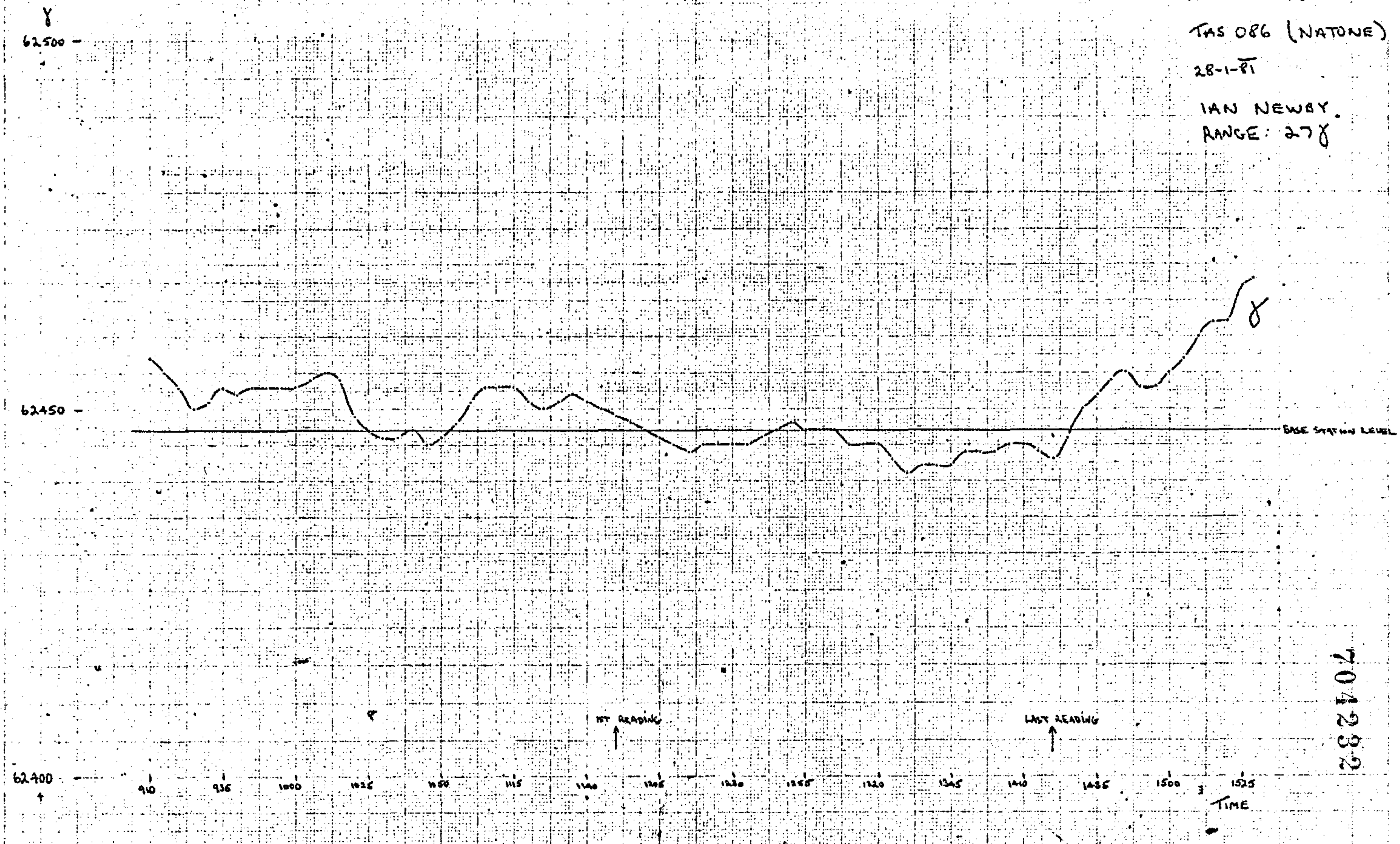
70229


LINE 5359500
MAG SURVE
TAS 086 (NATO
3-2-81
IAN NEWBY
horiz Scale 1:5000
vert scale 1cm = 50
5 cm
γ
63000
62500
62000
373300E
373400E
373500E
373600E
373700E
373800E
373900E
374000E
374100E
374200E
374300E
374400E
374500E
374600E
374700E
374800E
374900E
70423 0

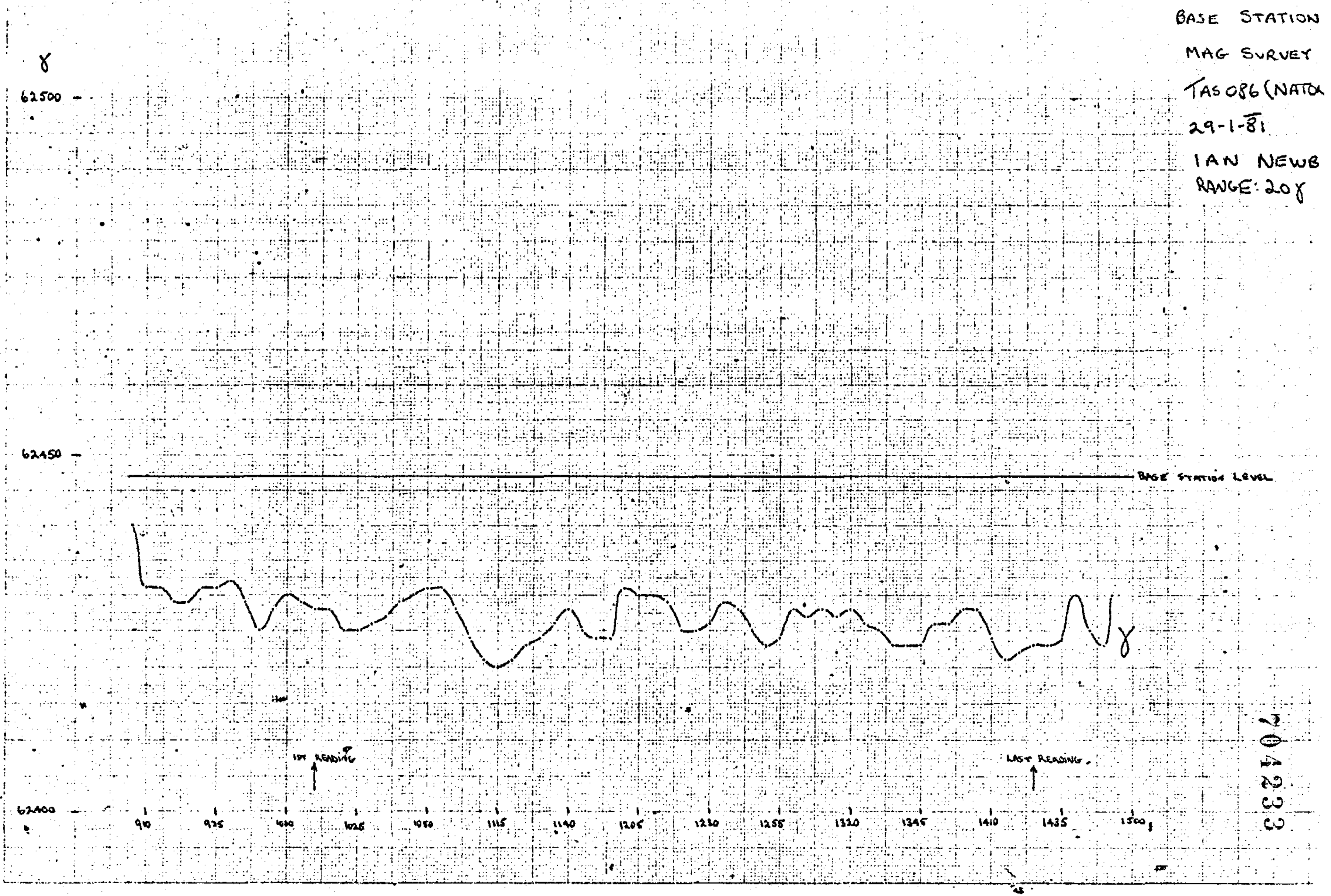

LINE 5359500N
MAG SURVEY
TAS 086 (NATONE
3-2-81
IAN NEWBY
γ
63000
62500
62000
γ
374900E
375000E
375100E
375200E
375300E
375400E
375500E
375600E
375700E

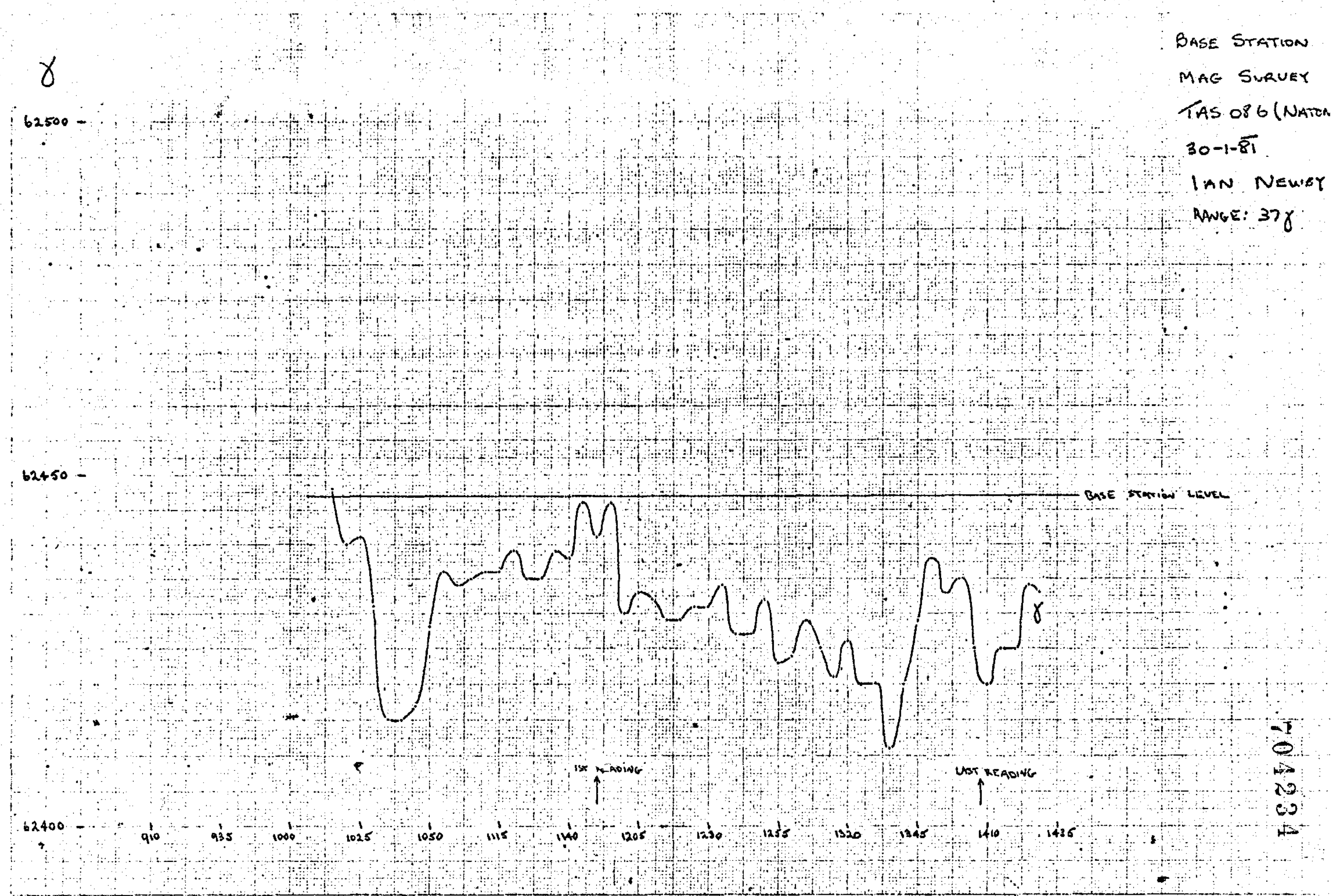
704231

BASE STATION
MAG SURVEY
TAS 086 (NATONE)
28-1-81
IAN NEWBY.
RANGE: 27γ

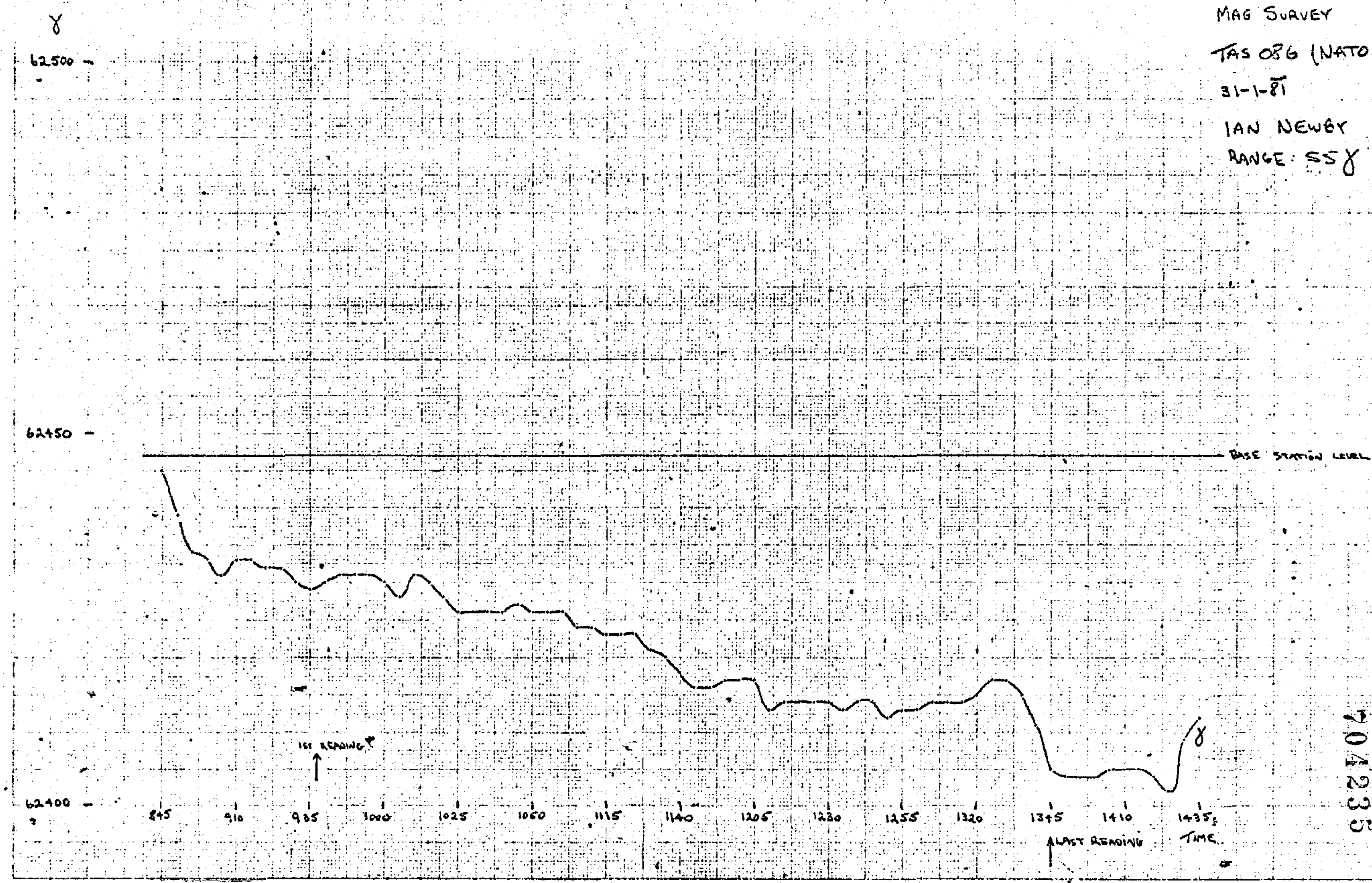


70232

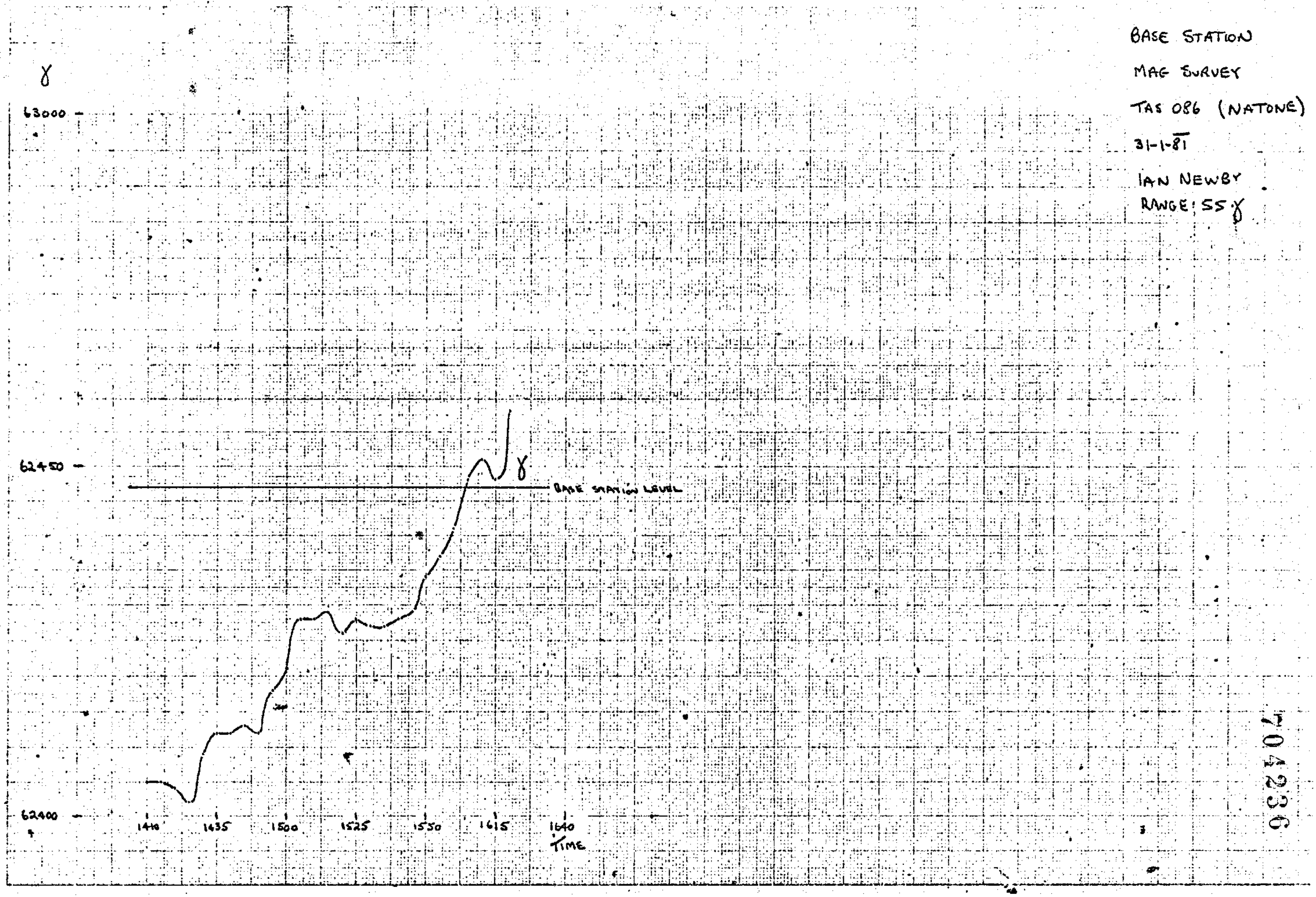

BASE STATION
MAG SURVEY
TAS 086 (NATO
29-1-81
IAN NEWB
RANGE: 20γ
γ
62500
62450
62400
BASE STATION LEVEL
1ST READING
LAST READING.
910
925
1000
1025
1050
1115
1140
1205
1230
1255
1320
1345
1410
1435
1500


BASE STATION
MAG SURVEY
TAS 086 (NATON
30-1-81
IAN NEWEY
RANGE: 37γ
γ
62500
62450
62400
BASE STATION LEVEL
1ST READING
LAST READING
910
935
1000
1025
1050
1115
1140
1205
1230
1255
1320
1345
1410
1435
γ

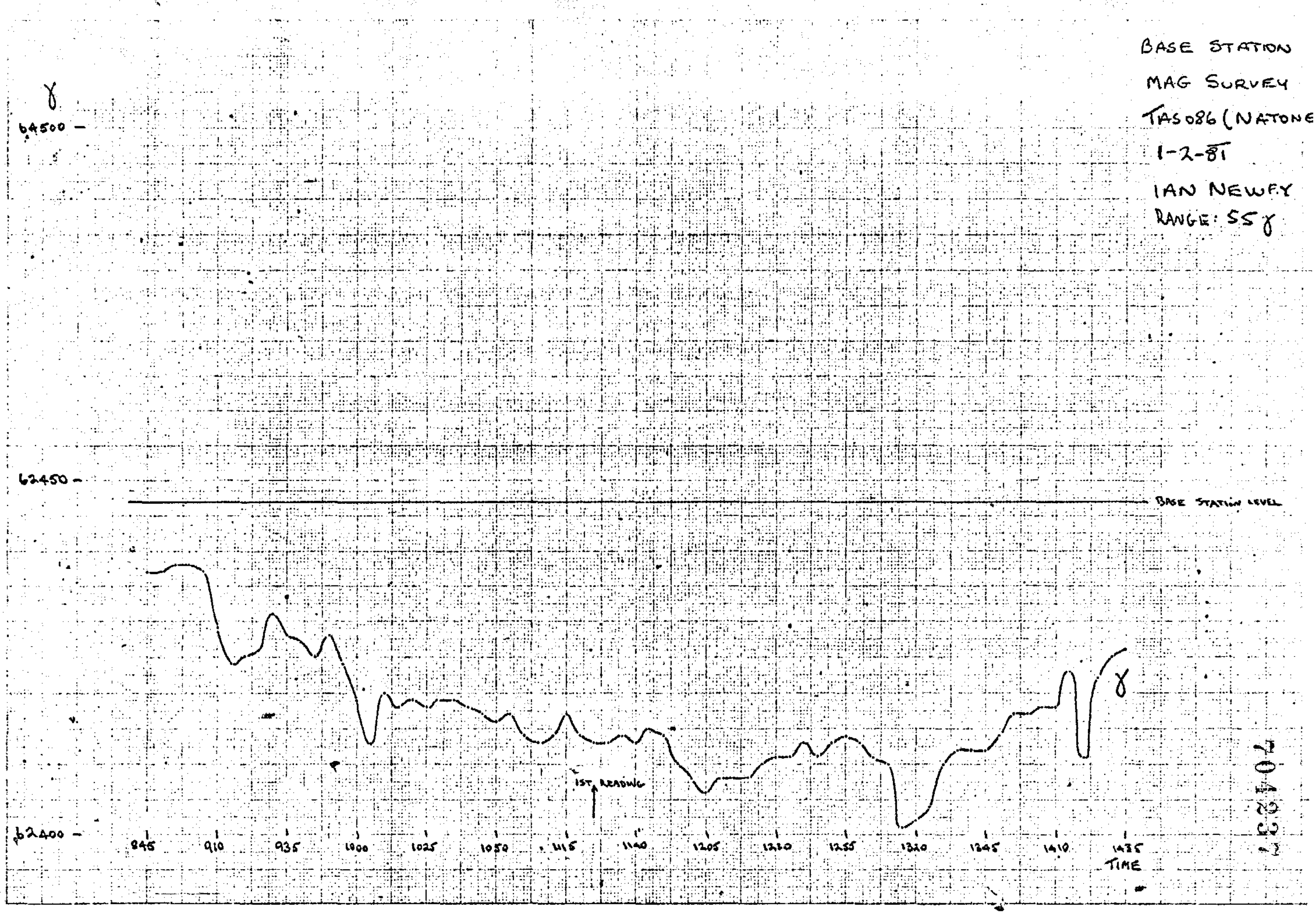
BASE STATION
MAG SURVEY
TAS 086 (NATONE)
31-1-81
IAN NEWBY
RANGE: 55γ

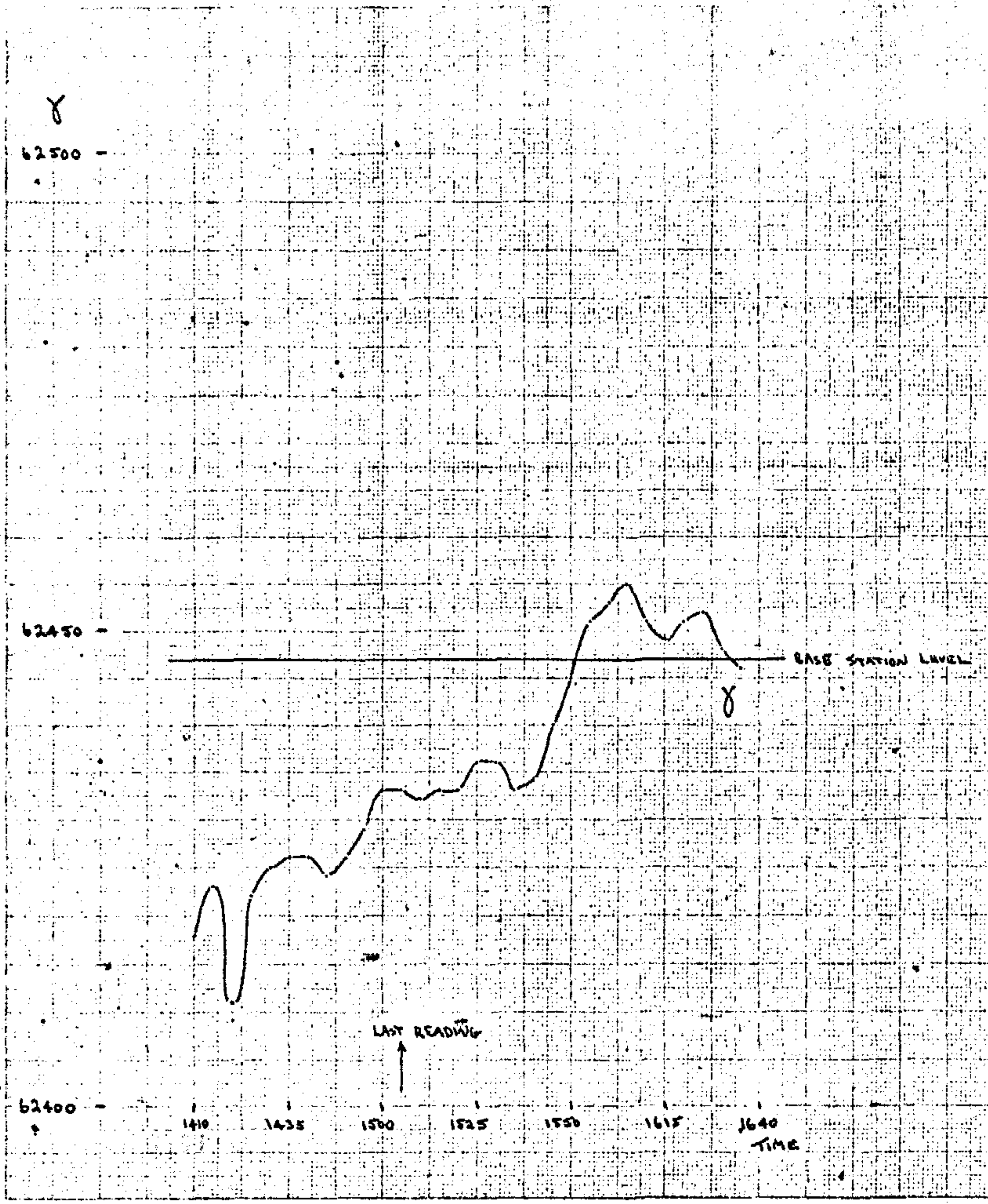


704235


BASE STATION
MAG SURVEY
TAS 086 (NATONE)
31-1-81
IAN NEWBY
RANGE: 55 γ
γ
63000
62450
62400
γ
BASE STATION LEVEL
1410
1435
1500
1525
1550
1615
1640
TIME

704236


BASE STATION
MAG SURVEY
TAS 086 (NATONE
1-2-81
IAN NEWEY
RANGE: 55γ
γ
64500
62450
62400
BASE STATION LEVEL
1ST READING
γ
845
910
935
1000
1025
1050
1115
1140
1205
1230
1255
1320
1345
1410
1435
TIME



BASE STATION

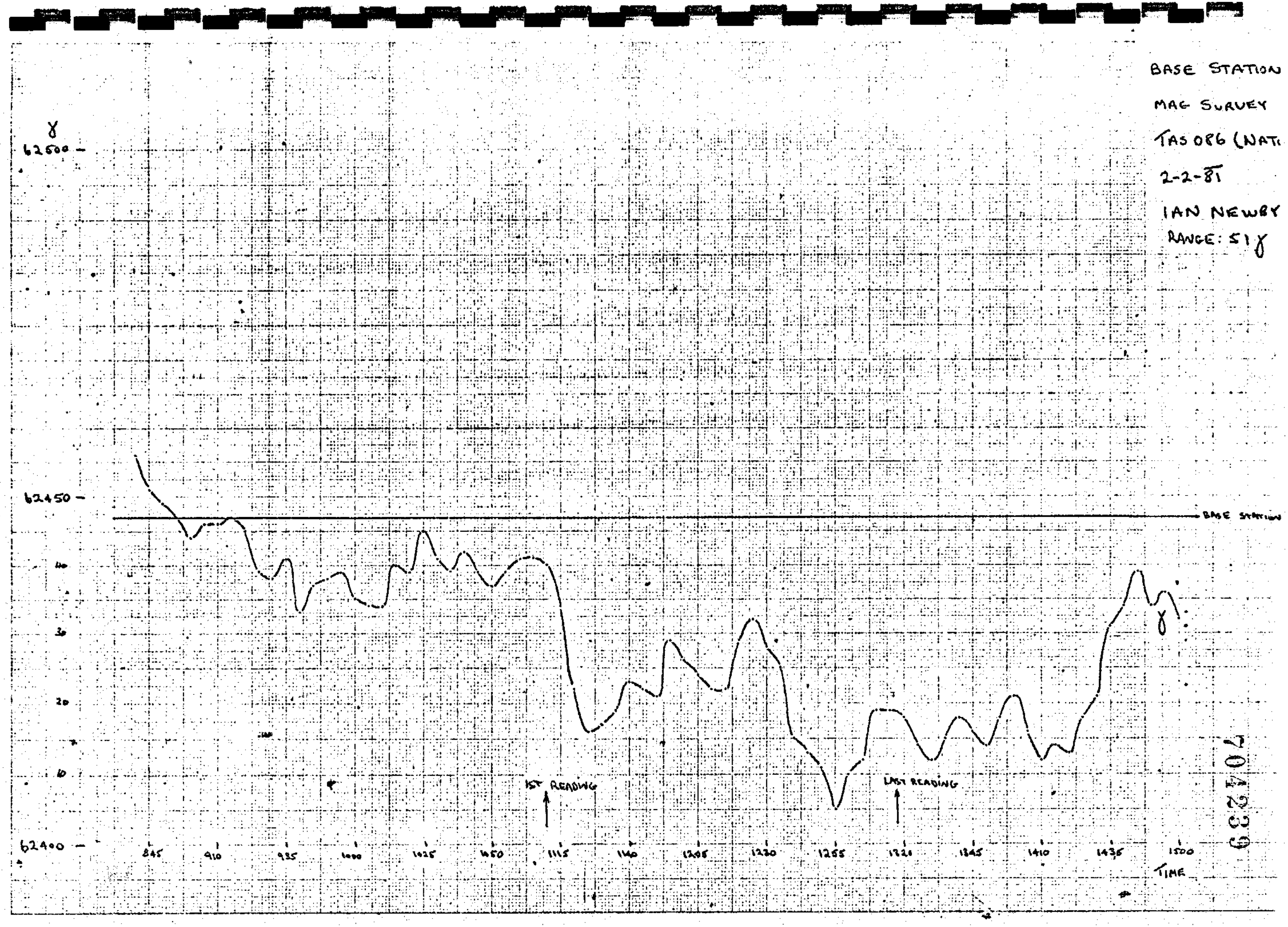
MAG SURVEY

TAS 086 (NATONE

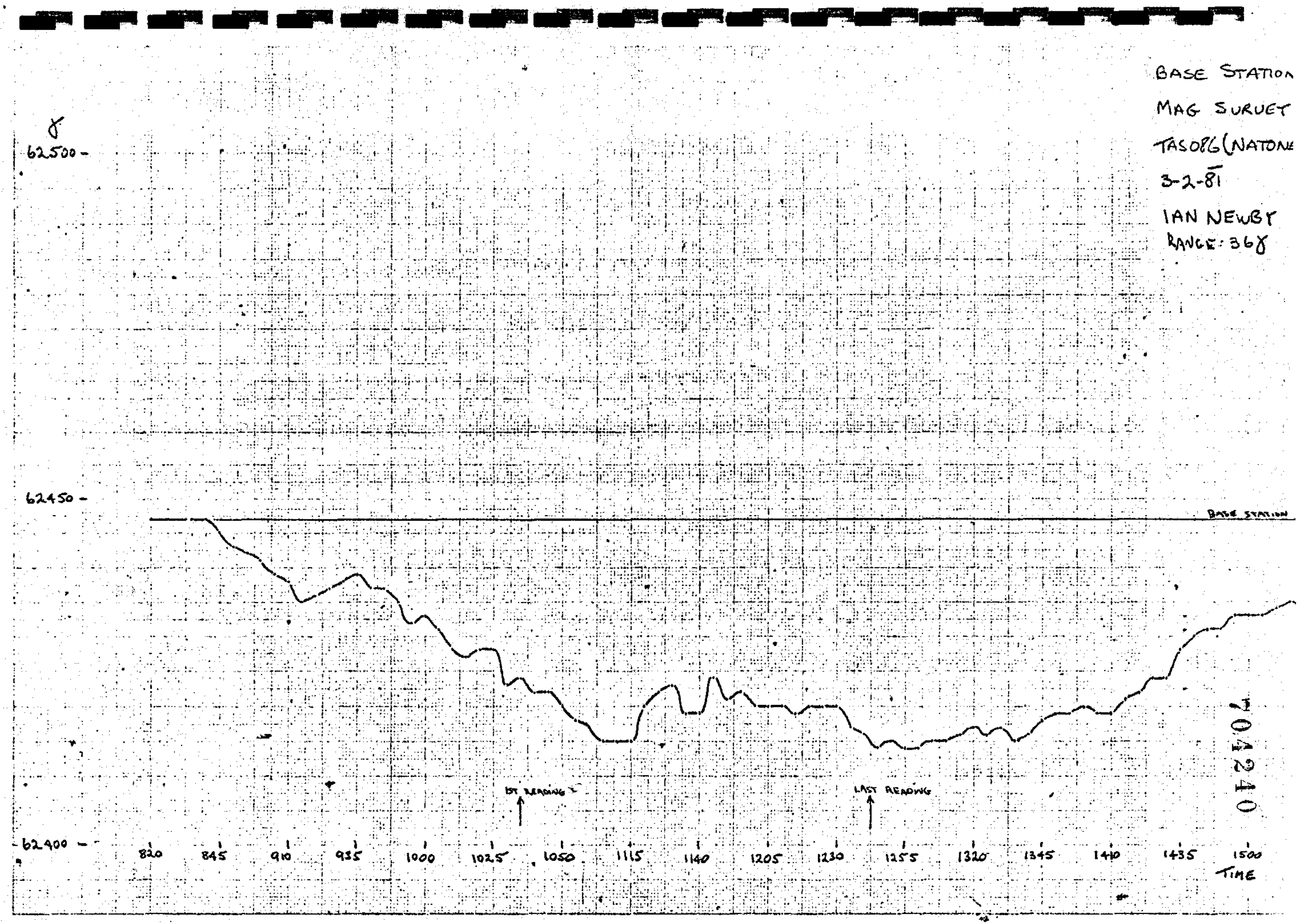
1-2-81

IAN NEWEY

RANGE: 55γ



BASE STATION
MAG SURVEY
TAS 086 (NAT
2-2-81
IAN NEWBY
RANGE: 51 γ
γ
62500
62450
40
30
20
10
62400
BASE STATION
1ST READING
LAST READING
845
910
935
1000
1025
1050
1115
1140
1205
1230
1255
1320
1345
1410
1435
1500
TIME
γ


BASE STATION
MAG SURVEY
TAS086 (NATONE
3-2-81
IAN NEWBY
RANGE: 36γ
γ
62500
62450
62400
BASE STATION
1ST READING
LAST READING
820
845
910
935
1000
1025
1050
1115
1140
1205
1230
1255
1320
1345
1410
1435
1500
TIME
0240

APPENDIX K: Natone Soil Sample Data Sheets

E Z Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704242

Project : MT. BLACK
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLINSON CONTRACTORS
Date :

Size Fraction Analysed :
Analysed By :
Method :

15

SAMPLE NUMBER	Grid Line No 373/60N Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe %	Mn	As	Sn	Cr
47731	373940E	53	3		LTBR	60	10	20	10			30	30	35	X		2·10%	420	5	1	170
32	960	53	3	0·12	YLBR	60	10	10	20			25	55	50	X		2·30%	620	6	1	275
33	980	53	3	0·15	ORBR	70	10	10	10			25	30	15	X		3700	115	2	X	135
34	4000	53	3	0·30	OR	70	10	20				35	25	50	X		4·30%	605	2	X	1000
35	020	53	3	0·30	YLOR	70	10	20				30	35	45	X		7·40%	500	2	X	110
36	040	53	3	0·20	BRGYOR	60	10	10	20			60	40	30	X		4·50%	240	2	X	140
37	060	53	3	0·30	ORBR	70	10	20				25	30	60	1·0		6·70%	450	26	X	320
38	080	53	3	0·25	YLBR	70	10	10	10			20	30	45	X		3·20%	1050	9	X	670
39	100	53	3	0·30	YLBR	70	10	20				15	20	65	X		11·80%	770	13	2	2300
40	120	53	3	0·25	YLBR	60	5	30	5			15	15	50	X		2·10%	800	10	X	1300
41	140	53	3	0·30	LTGY	70	10	20				10	5	40	X		3050	305	3	1	2600
42	160	53	3	0·30	YLBR	80		10	10			30	70	50	X		7·00%	210	34	1	1050
47743	180	53	3	0·37	ORBR	70	10	20				75	90	100	X		12·10%	2050	70	2	1300
44	200	53	3	0·30	ORBR	60	10	20	10			75	105	195	X		8·40%	5050	21	X	250
45	220	53	3	0·15	BR	60	10	20	10			75	145	150	X		7·90%	1·10%	36	1	210
46	240	53	3	0·57	OR	80		20				150	125	205	X		9·30%	3600	68	X	500
47	260	53	3	0·30	BR	70	10	20				2650	195	1500	5·5		33·0%	5·70%	450	X	3500
48	280	53	3	0·25	YLBR	70	10	10	10			50	40	65	0·5		4·20%	1000	26	X	80
49	300	53	3	0·15	BR	60	10	20	10			30	65	40	X		2·50%	350	29	X	80
50	320	53	3	0·25	BR	60		30	10			55	105	65	X		4·10%	6000	17	X	65
51	340	53	3	0·30	ORBR	70		20	10			35	25	35	X		4·20%	200	5	X	70
52	360	53	3	0·10	BR	60		20	20			40	50	60	X		5·90%	420	10	X	70
53	380	53	3	0·30	BR	70	10	20				40	50	60	X		6·10%	490	9	X	65
54	400	53	3	0·10	BR	30	40	20				65	140	280	X		8·20%	1·20%	12	1	40
55	420	53	3	0·30	ORBR	70	10	20				40	90	70	X		3·20%	1100	10	X	20
56	440	53	3	0·50	YL	80		20				30	85	50	X		2·50%	1175	11	X	20
57	460	53	3	0·30	YLBR	70	10	20				35	90	70	X		2·50%	205	9	X	40
58	480	53	3	0·42	YLORBR	60	10	30				50	90	115	X		4·20%	1195	9	X	20
59	500	53	3	0·30	ORBR	70	10	20				45	110	60	X		3·40%	1100	15	X	20

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704243

Project : MT. BLACK
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOIL
Sample Method :
Sampled By : G. Mallinson Contractors.
Date : 1981

Size Fraction Analysed :
Analysed By :
Method :

16

SAMPLE NUMBER	Grid Line No 3695000N Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	(m) DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
46701	373960 53		3	1·00	YLOR	90	5	5				40	275	135	X		6·95%	65	8	5	10
702	980 53		3	1·35	YLBR	70	10	20				45	115	70	X		5·45%	10	8	1	4
703	374000 53		3	0·55	GYBR	55	15	30				30	50	45	0·5		1·60%	10	3	3	8
704	020 53		3	0·60	GYBR	50	10	40				25	35	60	1·		8750	10	2	4	8
705	040 53		3	0·42	ORYL BR	88	5	7				25	50	45	0·5		2·95%	10	4	2	13
706	060 53		3	1·20	GNYLOR	70	10	20				35	70	30	X		3·00%	5	3	2	7
707	080 53		3	1·30	ORGNBR	80	15	5				75	60	215	0·5		8·90%	175	7	1	11
708	100 53		3	0·90	ORBR	80	10	10				80	145	400	1·0		14·0%	20	24	1	86
709	120 53		3	0·37	YLBR	50	20	30				20	320	85	0·5		3·95%	25	9	1	23
710	140 53		3	0·30	OR	70	10	20				10	660	85	X		2·35%	10	7	1	17
711	160 53		3	0·25	BR	60	10	30				45	3100	3550	1·5		17·0%	8650	24	2	1·40
712	180 53		3	0·30	RDBR	60	10	20	10			25	560	2600	0·5		14·0%	655	17	3	1·70
713	200 53		3	0·25	BRRD	80		10	10			15	140	2150	X		14·5%	425	15	5	1·75
714	220 53		3	0·30	BRRD	60	10	10	20			25	105	1750	X		6·80%	800	8	2	1·80
715	240 53		3	0·45	OR	80	10	10				20	1300	3750	X		23·5%	2000	17	X	460
716	260 53		3	0·30	BRRD	60	10	20	10			20	960	3550	X		24·0%	3350	6	X	1·70
717	280 53		3	0·15	BR	50	20	32				15	120	545	1·0		15·5%	4250	3	1	1·00
718	300 53		3	0·15	BR	40	20		40	POSS.	B	15	95	630	0·5		17·5%	1·20%	7	X	930
719	320 53		3	0·25	BR	70	10	20				15	230	500	0·5		13·5%	4100	6	4	2·30
720	340 53		3	0·30	GYBR	60	10	20	10			20	85	240	1·0		8·45%	1750	4	1	150
721	360 53		3	0·30	GYGN	60	15	25				15	65	485	1·0		8·80%	700	6	2	3·20
722	380 53		3	0·30	BR	50	20	20	10	5 MCK		45	80	685	1·0		7·30%	485	7	1	765
723	400 53		3	0·25	BROR	60	15	25				45	175	335	1·0		6·95%	815	7	2	550
724	420 53		3	0·15	BR	60	10	20	20			35	65	200	0·5		6·70%	1250	7	2	155
725	440 53		3	0·35	OR	70	10	20				70	55	165	0·5		8·45%	645	7	1	32
726	460 53		3	0·60	ORBR	70	10	20				60	60	145	0·5		8·54%	650	8	1	18
727	480 53		3	0·45	OR	85	5	10				125	450	240	1·0		10·0%	590	19	1/5	21
728	500 53		3	0·60	ORBR	70	10	20				80	70	145	0·5		9·60%	1700	7	1	16
729	520 53		3	0·30	ORBR	70		25	5			140	60	150	1·0		9·90%	2000	10	1	16
[illegible]	5[illegible]		3	[illegible]	[illegible]	70	[illegible]	[illegible]				[illegible]5	[illegible]	[illegible]5	[illegible]		[illegible]·5%	1300	6	X	15

E Z Co of A'Asia Ltd
Rosebery Tas.

704244

GEOCHEMICAL SAMPLE DATA SHEET

Project : Mt. Black
Locality :
Grid Name : Natone Grid
Nominal Grid Azimuth :

Material : Soils
Sample Method :
Sampled By : G. Mallinson (Contractors)
Date : 1981

Size Fraction Analysed :
Analysed By :
Method :

17

SAMPLE NUMBER	Sample Location Data: Grid Line No 369500N Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	(m) DEPTH	Sample Composition Data: COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	METAL CONTENT (ppm unless specified): Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
46731	374560	53	3	0·37	YLBR	60	5	30	5			85	180	130	0·5		9·20%	950	18	2	11
732	580	53	3	0·60	BR	80		20				75	35	140	0·5		10·0%	1250	4	2	14
733	600	53	3	0·25	BR	90		10				35	50	115	1·0		8·05%	725	6	1	16
734	620	53	3	0·90	YLBR	60		20	20			70	20	105	1·0		7·75%	1650	3	1	14
735	640	53	3	0·35	ORRD	90		10				65	35	80	1·0		9·40%	1650	2	X	18
736	660	53	3	0·70	YLBR	70	10	20				70	180	215	0·5		10·0%	230	20	X	11
737	680	53	3	0·87	OR	85	5	10				120	540	815	0·5		13·5%	2250	45	2	11
738	700	53	3	0·60	ORBR	70	10	20				100	110	280	0·5		9·40%	470	14	1	14
739	720	53	3	0·50	OR	90		10				125	100	220	0·5		12·0%	670	11	X	19
740	740	53	3	0·75	OR	90		10				95	170	365	0·5		10·0%	1850	11	X	17
741	760	53	3	0·40	OR	80		20				110	35	135	X		14·5%	1200	9	4	12
742	780	53	3	0·60	RDBR	80		20				85	45	115	X		14·5%	900	7	X	16
743	800	53	3	0·30	ORYL	70	10	20				90	120	290	X		13·5%	895	13	1	14
744	820	53	3	0·60	RDBR	60	10	20	10			105	160	190	X		13·0%	3350	16	X	16
745	840	53	3	0·37	OR	80		10	10			80	140	170	X		13·5%	1800	59	14	15
746	860	53	3	0·75	ORBR	80		20				115	180	275	X		16·5%	255	51	6	21
747	880	53	3	0·40	OR	90		10				75	460	355	1·0		14·5%	1650	20	4	12
748	900	53	3	0·00	ORBR	80		20		ROAD		60	115	180	X		8·80%	380	11	4	9
749	920	53	3	0·15	ORBR	60	10	20	10	ROAD		80	450	720	X		14·5%	3050	16	3	12
750	940	53	3	0·50	RDOR	70	10	20				145	235	325	X		9·65%	335	2	3	5
751	960	53	3	0·50	ORBR	80		20				70	270	895	X		8·25%	695	1	2	10
752	980	53	3	0·15	YLBR	60	5	25	10			55	110	120	0·5		10·0%	315	4	2	7
753	375000	53	3	0·37	YLBR	80		20				60	65	175	0·5		14·0%	1300	1	2	11
754	020	53	3	0·40	YLBR	80		20				75	150	250	0·5		13·5%	2000	2	2	12
755	040	53	3	0·75	ORBR	60		40				120	255	610	0·5		14·5%	2250	3	2	7
756	060	53	3	0·35	YLBR	70	10	30				75	135	200	X		13·0%	665	5	3	12
757	080	53	3	0·75	YLOR	80		20				185	205	855	X		15·5%	435	14	1	17
758	100	53	3	0·35	BRGN	80	10	10				55	45	175	X		14·5%	415	7	X	7
759	120	53	3	0·30	ORBR	60	10	20	10	ROAD		90	65	135	X		12·5%	1100	2	2	7
[illegible]	[illegible]			[illegible]	[illegible]	[illegible]		[illegible]				55	[illegible]	[illegible]	X		[illegible]·5%	455	[illegible]		

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704245

Project : Mt. Black
Locality :
Grid Name : Natone Grid
Nominal Grid Azimuth :

Material : Soils
Sample Method :
Sampled By : G. Mallinson (Contractors)
Date : '81

Size Fraction Analysed :
Analysed By :
Method :

18

SAMPLE NUMBER	Grid Line No 369500N Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	(m) DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
46761	375160	53	3	0·30	CRBR	50	20	30		ROAD		115	210	380	X		13·0%	2500	5	3	6
762	180	53	3	0·15	YLBR	80	5	15		ROAD		30	65	85	0·5		7·70%	225	1	2	4
763	200	53	3	0·15	YLOR	80	10	10		ROAD		30	50	60	X		6·45%	410	1	2	4
764	220	53	3	0·15	YLBR	70	20	10				10	40	20	X		3·55%	75	1	2	4
765	240	53	3	?	YLBR	80	10	10				35	80	105	0·5		5·55%	730	2	4	4
766	260	53	3	0·15	YL	70	10	20				40	70	80	0·5		6·45%	315	2	4	6
767	280	53	3	0·30	BRGY	60	20	20				5	40	25	X		8800	70	1	11	3
768	300	53	3	0·25	WHBR	70	10	20				10	40	25	X		4750	35	2	10	2
769	320	53	3	0·15	GYLTBR	70	10	20		ROAD		X	30	15	X		7750	40	2	5	2
770	340	53	3	0·30	BRGY	80	10	10				X	25	15	0·5		3800	40	2	4	1
771	360	53	3	0·75	ORYL	80	10	10				X	20	15	X		2·75%	30	9	17	2
772	380	53	3	0·70	ORYL	80	10	10				10	30	25	X		2·95%	35	16	3	2
773	400	53	3	0·40	ORBR	70	20	10				20	30	35	X		2·80%	35	26	3	2
774	420	53	3	0·45	OR	70	20	10				60	35	70	X		6·90%	140	40	3	2
775	440	53	3	0·30	BR	40	20	30	10			20	60	100	0·5		2·15%	200	14	2	1
776	460	53	3	0·30	YLBR	60	20	20		SMCK		15	40	75	X		1·65%	210	10	2	1
777	480	53	3	0·35	GY	60	20	10	10			X	10	5	X		1150	25	1	4	1
778	500	53	3	1·12	GNYLBR	80	20					55	50	65	X		3·00%	50	21	3	2
779	520	53	3	0·30	LTBR	50	10	30	10			X	15	20	X		2200	45	2	3	1
780	540	53	3	0·30	LTBR	60	20	20				X	10	10	X		1200	25	1	10	1
781	560	53	3	0·30	LTGY	60	10	30				5	15	25	0·5		1700	45	X	5	2
782	580	53	3	?	LTGY	80	10	10				5	15	25	0·5		4400	20	3	3	1
783	600	53	3	0·30	ORBR	60	20	20				25	40	110	X		5·25%	185	8	2	[illegible]
784	620	53	3	0·45	PLGN	85	5	10		SMCK		5	10	15	0·5		1·00%	5	5	2	
785	640	53	3	0·75	OR	80		20				20	15	25	X		2·70%	15	8	1	1
786	660	53	3	0·35	BLGY	70	10	20				5	5	10	X		2100	10	1	3	
787	680	53	3	0·15	LTGY	50	20	30				5	15	20	X		3550	25	1	2	
788	700	53	3	0·30	BRORGY	75	10	10	5			5	35	50	X		2·00%	75	4	2	[illegible]
789	720	53	3	1·20	BLGN	80	5	15				55	70	205	0·5		2·70%	20	4	2	[illegible]

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704246

Project : Mt. Black
Locality :
Grid Name : Natone Grid
Nominal Grid Azimuth :

Material : Soil
Sample Method :
Sampled By : G Mallinson Contractors
Date : '81

Size Fraction Analysed :
Analysed By :
Method :

19

SAMPLE NUMBER	Grid Line No 369500N Grid Easting	AMG CO-ORDINATES NORTHING	EASTING	(m) DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
46791	375760	53	3	0.60	BR	70	10	20				5	15	25	X		2900	25	4	2	1
792	780	53	3	0.35	LT BR	75	10	10	5			5	10	15	X		1350	15	2	8	
793	800	53	3	0.60	BR	80		20				X	10	15	X		2050	15	2	4	1
794	820	53	3	1.10	LT BR	80	10	10				15	30	35	X		4850	30	3	4	[illegible]
795	840	53	3	0.60	BR	60	20	20				X	20	20	0.5		2550	25	4	9	1
796	860	53	3	0.25	WH BR	80	10	5	5			X	10	15	0.5		1750	15	1	3	
797	880	53	3	0.35	WH BR	70	10	15	5			5	10	30	0.5		2750	15	2	3	
798	900	53	3	0.50	YL BR	85	5	5	5			5	10	20	X		3000	15	7	3	1
799	920	53	3	0.30	LT BR	70	10	20				5	10	35	0.5		2850	20	4	2	1
46800	375940	53	3	0.30	WH BR	80	10	10				X	20	20	0.5		4450	25	5	2	1
46801	375960	53	3	0.60	LT BR	70	10	15	5			5	10	20	X		2000	15	4	3	1
802	980	53	3	0.55	LT BR	70	15	15				X	X	15	X		1250	10	1	3	1
803	376000	53	3	0.60	LT BR	60		20	20			X	X	15	X		300	20	X	2	1

METAL CONTENT (ppm unless specified)

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704247

Project : Mt. Black
Locality :
Grid Name : Natone Grid
Nominal Grid Azimuth :

Material : Soils
Sample Method :
Sampled By : G. Mallinson Contractor
Date : '81

Size Fraction Analysed :
Analysed By :
Method :

20

SAMPLE NUMBER	Sample Location Data: Grid Line No 3691300N Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	DEPTH	Sample Composition Data: COLOUR	Clay	Sand	Rock Frags.	Organic	Contam.	Geology	METAL CONTENT (ppm unless specified) Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
468804	374020	53	3	0.25	BRGN	70	5	20	5	SMCK		10	40	195	X		2.40%	465	2	2	4050
805	040	53	3	0.25	DKBR	70	10	10	10			10	300	500	X		9.80%	4750	4	1	2800
806	060	53	3	0.37	ORLTBR	55	15	30				5	25	85	X		2.35%	55	2	1	2700
807	080	53	3	0.25	LTGY	70	10	20				X	X	45	X		1250	15	1	2	775
808	100	53	3	0.25	BRBK	40	10	50				35	530	3150	1.0		7.55%	1.25%	12	X	4150
809	120	53	3	0.30	GNGY	80		20				25	280	150	0.5		1.80%	125	3	1	620
810	140	53	3	0.25	LTBR	70	8	20	2			10	25	205	X		1.80%	80	4	X	3350
811	160	53	3	0.30	YLBR	70	10	20				25	10	50	0.5		3.60%	1800	4	1	310
812	180	53	3	0.30	YLBR	70	10	20				80	10	95	X		8.20%	3050	3	X	560
813	200	53	3	0.30	OR	70	10	20				75	70	165	0.5		9.15%	4750	5	2	1050
814	220	53	3	0.30	OR	70		30				95	25	155	0.5		9.60%	3300	4	X	900
815	240	53	3	0.27	OR	60	10	25	5			90	35	155	0.5		8.35%	2250	4	2	865
816	260	53	3	0.30	ORBR	70	10	20				80	35	105	1.0		8.30%	490	4	1	530
817	280	53	3	0.30	ORBR	70	10	20				70	30	70	X		6.175%	505	4	X	425
818	300	53	3	0.35	BR	30	10	40	20			45	20	50	X		3.30%	140	2	1	340
819	320	53	3	0.30	ORBR	70	10	20				375	55	120	X		14.0%	205	13	X	500
820	340	53	3	0.30	OR	70		30				60	45	195	0.5		9.80%	830	7	X	1850
821	360	53	3	0.90	ORGNBR	70	10	20		SMCK		45	100	445	0.5		10.0%	665	8	1	1850
822	380	53	3	0.35	OR	80		20				125	175	440	X		9.25%	280	28	2	810
823	400	53	3	0.15	ORBR	70	10	20				25	160	355	0.5		6.55%	670	29	3	3900
824	420	53	3	0.30	BRYL	70	10	10	10			15	80	305	0.5		3.70%	85	18	3	1850
825	440	53	3	0.60	ORBR	60		40				90	90	205	X		9.00%	115	8	3	245
826	460	53	3	3	YLBR	55	10	30	5			40	40	65	0.5		7.45%	310	6	3	120
827	480	53	3	0.60	BRRD	60	10	20	10			55	45	90	1.0		8.15%	340	8	2	130
828	500	53	3	0.37	OR	70		30				135	60	155	0.5		9.00%	635	10	2	140
829	520	53	3	0.30	BR	70	10	20				80	75	170	X		7.60%	2500	12	3	115
830	540	53	3	0.37	OR	90		10				60	55	105	X		8.65%	640	9	5	105
831	560	53	3	0.45	ORBR	80		20				55	50	105	X		8.15%	760	6	3	80
832	580	53	3	0.27	ORYL	70	10	10	10			55	50	90	0.5		7.45%	425	8	4	80
468833	374600	53	3	0.82	ORBR	70	10	20				55	50	55	0.5		7.35%	1400	8	4	90

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704248

Project : Mt. Black
Locality :
Grid Name : Natone Grid
Nominal Grid Azimuth :

Material : Soils
Sample Method :
Sampled By : G. Mallinson Contractor
Date : '81

Size Fraction Analysed :
Analysed By :
Method :

21

SAMPLE NUMBER	Sample Location Data: Grid Line No 369300N Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	DEPTH	Sample Composition Data: COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	METAL CONTENT (ppm unless specified) Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
46534	374620	53	3	0.35	BRYL	90		10				55	40	95	1.0		8.30%	1400	7	4	9
835	640	53	3	0.30	BR	70	10	20				60	35	100	X		8.30%	540	6	5	9
836	660	53	3	0.30	DK BR	70	10	10	10			45	55	80	1.0		7.40%	315	8	3	7
837	680	53	3	0.60	GN BR	70	10	20				30	20	85	X		5.45%	150	4	4	7
838	700	53	3	0.30	BR PL GN	40	10	40	10			45	55	85	0.5		6.90%	1000	6	5	8
839	720	53	3	0.30	RD BR	70		30		ROAD		55	60	95	0.5		8.30%	1950	8	5	8
840	740	53	3	0.30	BR	60	10	20	10	ROAD		65	75	140	0.5		9.00%	2000	12	2	10
841	760	53	3	0.30	BR	60	10	20	10			65	60	100	0.5		8.50%	315	7	4	9
842	780	53	3	0.37	OR	70		30				60	75	145	0.5		9.55%	435	8	4	11
843	800	53	3	0.60	YL OR	70	10	20				85	130	235	0.5		9.35%	820	5	3	11
844	820	53	3	0.37	YL BR	80	10	10				115	120	290	0.5		9.25%	2450	9	3	11
845	840	53	3	0.60	OR BR	60	10	20	10			110	50	275	X		9.65%	475	6	4	10
846	860	53	3	0.30	OR	60		40				75	110	155	1.0		9.90%	360	8	4	11
847	880	53	3	0.30	OR BR	60	10	20	10			85	120	420	1.0		10.0%	1350	6	3	7
848	900	53	3	0.30	YL BR	70	5	20	5			85	110	290	0.5		9.50%	750	7	3	6
849	920	53	3	0.30	BR	70	5	20	5			55	100	145	0.5		7.15%	365	9	3	8
850	940	53	3	0.25	BR	60	10	20	10			40	45	100	1.0		8.40%	535	4	3	9
851	960	53	3	0.30	BR	60	10	20	10			80	65	135	0.5		8.85%	125	8	3	12
852	980	53	3	0.30	YL RP BR	60	10	30				100	55	120	0.5		9.00%	285	33	3	8
853	375000	53	3	0.30	OR BR	70	10	20				155	150	555	1.0		9.25%	975	27	4	6
854	020	53	3	0.20	OR	80	5	15				105	150	285	0.5		9.15%	440	12	4	9
855	040	53	3	0.35	OR BR	80	10	10				95	195	405	0.5		9.15%	920	10	2	9
856	060	53	3	0.37	OR BR	80	10	10				155	110	395	X		9.95%	235	22	3	8
857	080	53	3	0.30	BR	80	10	10				45	60	115	0.5		6.65%	80	10	1	8
858	100	53	3	0.75	YL OR	80	10	10				95	110	180	0.5		9.40%	125	14	3	8
859	120	53	3	1.50	OR BR	80	10	10				145	210	415	0.5		19.0%	40	14	2	11
860	140	53	3	0.30	OR BR	80	10	5	5			65	195	95	0.5		7.45%	80	11	2	7
861	160	53	3	0.30	OR BR	50	20	20	10			15	70	35	0.5		3.25%	30	8	3	3
862	180	53	3	0.55	OR GN GY	70	10	10				15	45	35	0.5		1.40%	25	8	3	3
863	200	53	3	0.60	GN GY	50	20	30				10	40	[illegible]	0.5		[illegible]	35	5	3	3

E Z Co of A'Asia Ltd
Rosebery Tas

GEOCHEMICAL SAMPLE DATA SHEET

704249

Project : Mt. Black
Locality :
Grid Name : Natone Grid
Nominal Grid Azimuth :

Material : Soils
Sample Method :
Sampled By : G. Mallinson Contractors.
Date : 1981

Size Fraction Analysed :
Analysed By :
Method :

22

SAMPLE NUMBER	Grid Line No 36A 300N Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	(m) DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
46864	375220	53	3	0·50	LTBR							10	45	30	X		4450	30	4	3	3
865	240	53	3	0·90	GNBR							10	30	30	0·5		2850	30	4	4	2
866	260	53	3	0·30	LTBRGY							X	20	15	0·5		1500	20	3	1	3
867	280	53	3	0·25	LTBRGY							5	25	35	0·5		2650	20	3	1	3
868	300	53	3	0·25	GYLTBR							X	20	15	0·5		1150	15	2	3	2
869	320	53	3	0·30	GY							X	25	15	0·5		900	10	3	3	2
870	340	53	3	0·25	GY							X	15	10	0·5		550	15	2	3	1
871	360	53	3	0·30	GY							X	10	10	X		500	5	2	2	1
872	380	53	3	0·25	GYGN							X	15	10	1·0		500	10	2	2	1
873	400	53	3	0·30	GY							5	25	15	0·5		5150	15	7	2	1
874	420	53	3	0·25	GNOR					SMCK		5	55	55	X		1·50%	50	6	2	5
875	440	53	3	0·25	BLGN							X	60	15	X		1850	15	5	2	2
876	460	53	3	0·30	BLGN							X	40	15	X		1950	15	5	X	1
877	480	53	3	0·60	BRGY					ROAD		25	40	20	X		4·15%	15	32	2	2
878	500	53	3	1·20	OR					ROAD		50	35	85	0·5		8·05%	245	61	13	2
879	520	53	3	0·60	LTGY							35	45	50	X		5·80%	855	38	3	3
880	540	53	3	0·25	YLOR							5	25	25	0·5		1·20%	75	15	3	3
881	560	53	3	0·37	BR							15	35	40	0·5		2·55%	8150	22	3	3
882	580	53	3	0·15	LTBR							X	35	20	0·5		3950	120	7	3	2
883	600	53	3	0·30	LTBR							5	15	20	0·5		3800	50	8	2	2
884	620	53	3	0·25	LTBR							5	30	25	0·5		4000	45	6	3	2
885	640	53	3	0·30	LTBR							X	30	20	X		3400	35	8	3	2
886	660	53	3	0·37	LTBR					SOAK		X	15	25	X		4600	35	12	2	1
887	680	53	3	0·30	LTBR							X	10	15	0·5		1250	20	4	3	1
888	700	53	3	0·30	WHLTBR							X	X	15	0·5		1050	20	4	3	1
889	720	53	3	0·30	LTBRWH							5	15	20	0·5		2800	30	9	2	1
890	740	53	3	0·30	LTBRWH							X	15	15	X		1050	25	3	2	1
891	760	53	3	0·39	LTGNGY					CREEK		X	10	10	0·5		1250	25	5	3	1
892	780	53	3	0·60	BRGYWH							X	10	15	0·5		1000	20	4	2	1
[illegible]	[illegible]	[illegible]	3	[illegible]	[illegible]							X	5	15	X		650	15	4	4	2

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704250

Project : Mt. Black
Locality :
Grid Name : Natone Grid
Nominal Grid Azimuth :

Material : Soil
Sample Method : Auger
Sampled By : G. Mallinson Contractors
Date : 1981

Size Fraction Analysed :
Analysed By :
Method :

23

Sample Number	Grid Line No 369300N Grid Easting	AMG Co-ordinates Northing	AMG Co-ordinates Easting	Depth (m)	Colour	Clay	Sand	Rock Frags.	Organic	Contam.	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
46894	375820	53	3	0·82	BR WH PK	30	10	60				X	5	10	0·5		700	20	2	2	10
895	840	53	3	0·30	DK BR	60	10	20	10			X	5	15	X		700	15	1	2	10
896	860	53	3	0·45	BR	50	10	20	20			X	10	10	0·5		950	20	1	2	10
897	880	53	3	0·15	LT BR	50	20	20	10			X	20	10	0·5		1250	25	2	2	15
898	900	53	3	0·37	LT BR	40	30	30		CREEK		X	15	15	0·5		2500	30	4	3	10
899	920	53	3	0·30	LT BR	50	20	20	10			X	15	20	X		1300	25	2	4	20
46900	375940	53	3	0·50	GY GN	80		5	15			40	20	130	X		900	15	1	3	25
46901	960	53	3	0·30	LT GY BR	50	20	20	10			X	X	70	0·5		450	10	1	4	15
902	980	53	3	0·45	BR	50	20	30				10	15	165	X		600	15	2	2	10
903	376000	53	3	0·60	BR	50	10	20	20			15	10	190	X		350	20	1	3	15
904	020	53	3	0·35	DK BR	70		10	20			10	5	265	X		750	15	1	3	20
905	040	53	3	0·90	BR	60	10	20	10			25	25	295	X		1100	15	2	4	20
906	060	53	3	1·00	LT BR	90	10					25	X	405	0·5		700	15	2	3	15
907	080	53	3	0·15	DK BR	50	10		40	B HORIZ		45	15	665	0·5		1350	15	2	3	15
908	100	53	3	0·90	LT BR	20	20	60				30	X	315	0·5		300	5	1	4	10
909	120	53	3	0·30	DK BR	60	10	20	10			35	X	325	X		1350	25	3	3	10
910	140	53	3	0·45	LT BR	20	20	60				5	10	145	X		750	25	2	5	15
911	160	53	3	0·00	DK BR		10		90	A HORIZ		30	25	525	0·5		800	35	2	3	10
912	180	53	3	0·35	DK BR WH	40	20	40				30	20	525	X		750	10	2	4	10
913	200	53	3	0·60	DK BR	60	10	20	10			25	10	195	1·0		550	5	1	4	20
914	220	53	3	0·35	DK BR	50		20	30	POSS	B	25	15	265	X		450	5	1	2	15
915	240	53	3	0·30	DK BR	60	10	20	10			55	X	400	X		250	5	1	3	15
916	260	53	3	0·30	LT GY BR	40	10	40	10			10	10	135	X		750	15	2	4	10
917	280	53	3 POSS S.B	0·25	BR	45	10	5	40	CREEK		10	50	170	0·5		650	25	3	3	25
918	300	53	3	0·30	LT BR	70	20	10				40	5	335	X		850	15	3	4	25
919	320	53	3	0·30	LT BR	50	20	20	10			30	15	265	X		1150	15	6	2	25
920	340	53	3	0·95	OR	80	10	10				75	25	340	0·5		6·95%	15	90	2	125
921	360	53	3	0·20	LT BR	50	10	20	20			10	15	80	X		2800	5	8	1	25
922	380	53	3	0·25	BR WH	50	10	20	20			25	5	125	X		1150	10	2	2	25

METAL CONTENT (ppm unless specified)

E Z Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704251

Project : Mt. Black
Locality :
Grid Name : Natone Grid
Nominal Grid Azimuth :

Material : Soils
Sample Method :
Sampled By : G. Mallinson Contractors
Date : 1981

Size Fraction Analysed :
Analysed By :
Method :

24

SAMPLE NUMBER	Grid Line No 369300N Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	DEPTH (m)	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
	Sample Location Data				Sample Composition Data							METAL CONTENT (ppm. unless specified)									
46924	376420	53	3	0·25	LT BR	30	10	30	30	B HORI	Z	5	15	65	0·5		500	50	2	1	15
925	440	53	3	0·25	LT BR	60	10	20	10			X	10	50	0·5		1050	15	2	3	20
46926	376460	53	3	0·25	LT BR WH	50	5	30	15			X	X	55	X		1500	60	2	1	15

E Z Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704252

Project : Mt. BLACK
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : G. Mallinson Contractors
Date :

Size Fraction Analysed :
Analysed By :
Method :

25

SAMPLE NUMBER	Sample Location Data: Grid Line No 53 69/DN, Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	DEPTH (m)	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
46927	376460E	53	3	0.50	BRGR	30	40	30				5	15	55	0.5		3000	40	3	2	10
28	440	53	3	0.50	WHBR	40	30	30				5	X	50	0.5		500	15	2	2	15
29	420	53	3	0.30	BR	40	20	40				10	X	45	X		400	10	2	2	15
30	400	53	3	0.25	DKBR	60	10	30				10	X	70	X		550	5	2	2	10
31	380	53	3	0.30	BR	50	20	20	10			5	5	50	X		550	5	2	3	20
32	360	53	3	0.25	WHBR	50	20	30	20			10	5	35	X		800	5	3	3	15
33	340	53	3	0.25	WHBR	30	10	30	30			10	5	55	X		500	10	2	4	15
34	320	53	3	0.45	DKBR			5	95			10	20	30	X		550	10	2	1	10
35	300	53	3	0.37	BR	50	20	10	20			10	10	60	X		200	5	2	2	15
36	280	53	3	0.25	GY	20	50	10	20			10	20	115	X		350	10	3	1	15
37	260	53	3	0.30	GYWHBR	50	20	20	10			10	5	60	X		250	10	2	3	20
38	240	53	3	0.20	BR	40	30	20	10			5	10	45	X		400	10	2	1	20
39	220	53	3	0.30	BR	50	20	10	20			35	15	170	X		300	X	2	2	10
40	200	53	3	0.25	DKBR	25	15	20	40			20	10	90	X		400	5	2	1	15
41	180	53	3	0.30	DKBR	70	10	10	10			50	5	145	X		300	5	3	X	20
46942	160	53	3	0.25	BR	20	20	60				5	10	60	0.5		750	10	2	2	15
43	140	53	3	0.25	BR	60	20	20				40	565	765	2.5		16.5%	225	67	2	25
44	120	53	3	0.25	BR	50	20	10	10			X	5	120	X		950	10	3	X	20
45	100	53	3	0.37	BRRD	60	10	10	20			15	10	285	0.5		500	15	3	X	15
46	080	53	3	0.35	LTBR	30	20	30	20			10	10	65	X		1050	10	2	2	15
47	060	53	3	0.30	BR	60	20	10	10			5	X	55	X		500	10	2	X	25
48	040	53	3	0.50	LTBR	80	10	10				X	5	30	X		650	5	2	1	20
49	020	53	3	0.30	BR	70	10	10	10			X	5	65	X		750	10	2	X	25
50	376000	53	3	0.70	DKBR	70	5	5	20			10	5	110	X		500	10	2	X	15
51	980	53	3	0.30	DKBR	70	10	10	10			10	5	55	X		550	5	2	1	20
52	960	53	3	0.20	YBR	60	20	10	10			5	5	30	X		1650	15	4	6	20
53	940	53	3	0.30	BR	50	20	20	10			5	5	15	0.5		400	X	2	2	15
54	920	53	3	0.55	DKBR	50	5	40	5			30	5	80	X		350	5	2	1	10
55	900	53	3	0.30	DKBR	70	10	10	10			25	15	45	X		600	15	2	X	15

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704253

Project : MT. BLACK
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : G. Mallinson Contractors.
Date :

Size Fraction Analysed :
Analysed By :
Method :

26

SAMPLE NUMBER	Grid Line No 5369/00 Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	(m) DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology
46957	375860	53	3	0.37	BR	70	10	10	10		
58	840	53	3	0.55	BR	50	30	20			
59	820	53	3	0.45	LTBR	70	10	20			
60	800	53	3	0.50	LTBR	65	15	20	5		
61	780	53	3	0.87	DKBR	60	10	10	20		
62	760	53	3	0.75	LTBR	60	20	10	10		
63	740	53	3	0.60	LTBR	70	10	10	10		
64	720	53	3	0.50	LTBR	60	20	20			
65	700	53	3	0.65	BR	70	10	10	10		
66	680	53	3	0.45	LTBR	60	30	10			
67	660	53	3	0.55	LTBR	60	20	20			
68	640	53	3	0.30	LTBR	50	30	10	10		
69	620	53	3	0.30	LTBR	50	20	20	10		
70	600	53	3	0.37	LTBR	60	30	5	5		
46971	375580	53	3	0.37	LTBR	50	20	20	10		
72	560	53	3	0.45	LTBR	50	30	20			
73	540	53	3	0.60	LTBR	70	10	20			
74	520	53	3	0.37	LTBR	50	30	20			
75	500	53	3	0.90	GNYLBR	80	20	0			
76	480	53	3	0.3	WHBR	20	20	40	20		
77	460	53	3	0.66	GNGY	70	10	20	0		
78	440	53	3	0.22	LTBR	70	10	20			
79	420	53	3	0.50	DKBR	90	10				
80	400	53	3	0.95	GN	90	10	0			
81	380	53	3	0.5	GN	70	10	20			
82	360	53	3	0.30	WHGR	60	20	20			
83	340	53	3	0.30	BR	60	20	20			
84	320	53	3	0.65	BRDR	60	10	30			
85	300	53	3	0.45	BR	50	20	20	10		
46986	375280	53	3	1 00	LTBR	70	10	20			

METAL CONTENT (ppm. unless specified)

SAMPLE NUMBER	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
46957	20	10	60	X		1950	15	5	1	20
58	10	5	45	X		1550	15	4	1	15
59	15	5	50	X		2650	15	8	2	20
60	20	10	40	X		1850	15	6	2	15
61	125	35	360	X		4650	30	3	X	15
62	25	15	65	X		1250	15	3	X	20
63	15	5	30	0.5		750	10	3	2	15
64	5	5	20	X		1100	5	3	2	20
65	10	10	20	X		2250	10	5	3	30
66	15	5	25	X		2350	10	6	4	20
67	10	10	15	X		3950	15	10	2	25
68	5	5	10	X		1250	10	4	3	15
69	10	10	30	X		3400	15	10	1	20
70	10	5	15	0.5		1400	10	4	2	15
46971	5	5	10	1.0		1400	10	3	7	15
72	X	X	10	X		1200	5	4	3	15
73	5	5	15	X		2250	10	8	2	20
74	5	15	10	X		1850	10	7	1	20
75	50	30	50	X		3.55%	60	55	5	40
76	X	10	5	X		1900	X	4	3	20
77	X	20	10	X		2450	10	5	6	30
78	10	15	15	X		3850	10	7	4	30
79	25	35	25	X		5.60%	25	55	5	45
80	30	45	70	X		5.80%	95	33	X	40
81	10	5	10	0.5		650	20	2	2	20
82	10	5	10	0.5		1250	15	2	2	15
83	5	5	10	X		650	15	X	2	15
84	5	X	5	X		200	10	X	2	15
85	10	25	15	0.5		700	5	1	2	35
46986	10	5	5	X		450	10	X	2	15

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704254

Project : Mt BLACK
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : G. Mallinson Contractors
Date :

Size Fraction Analysed :
Analysed By :
Method :

27

SAMPLE NUMBER	Grid Line No S36/91/00' Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	(m) DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
46987	375260	53	3	0.75	BR	70	10	20				10	15	5	0.5		700	10	X	2	20
88	240	53	3	0.45	BR	70	10	20				10	10	5	0.5		250	5	X	3	15
89	220	53	3	0.60	LTBR	40	10	40	10			5	10	5	X		250	10	X	4	15
90	200	53	3	0.15	LTBR	40	20	20	20			5	20	5	0.5		500	10	X	3	10
91	180	53	3	0.37	BR	60	20	20				5	15	10	0.5		1650	15	1	2	30
92	160	53	3	0.37	LTBR	30	[illegible]	10				15	35	25	0.5		3850	15	5	3	40
93	140	53	3	0.45	GY	80		20				5	35	10	X		800	5	1	4	30
94	120	53	3	0.10	GNGR	60	10	30				50	65	215	0.5		4.40%	135	5	3	95
95	100	53	3	0.30	BRGR	80		20				25	30	85	X		1.35%	30	5	3	40
96	080	53	3	0.20	GNORBR	50	20	20	10			35	55	145	0.5		4.60%	500	5	X	45
97	060	53	3	0.37	ORBR	90		10				30	50	45	X		3.85%	25	5	X	25
98	040	53	3	0.37	GNBR	90	10					60	30	100	0.5		5.55%	390	9	X	80
99	020	53	3	0.45	ORBR	70	10	20				80	75	125	X		8.95%	725	5	X	125
47000	375000	53	3	0.20	OR	60	10	10	20			75	105	135	X		7.85%	645	12	1	115
47301	374980	53	3	0.30	ORBR	80		20				55	105	85	0.5		8.20%	4750	8	X	100
02	960	53	3	0.45	OR	80		20				125	185	355	X		9.35%	1650	10	X	120
03	940	53	3	0.30	ORBR	95		5				75	210	245	X		8.55%	1900	9	X	130
04	920	53	3	0.67	OR	90		10				165	135	505	X		9.55%	865	12	X	120
05	900	53	3	0.30	BR	70	10	20				75	140	255	0.5		7.15%	645	11	X	95
06	880	53	3	0.37	OR	90		10				160	175	870	X		9.35%	1400	9	X	115
07	860	53	3	0.20	BR	70	10	20				45	75	95	0.5		7.45%	1300	7	X	75
08	840	53	3	0.20	BR	60		30	10			30	60	65	X		7.15%	375	7	X	75
09	820	53	3	0.30	BROR	70	10	20				60	105	100	0.5		8.145%	530	6	X	115
10	800	53	3	0.30	ORBR	80		20				55	65	170	X		7.90%	535	6	X	90
11	780	53	3	0.25	BR	70	10	20				85	70	125	X		8.20%	2250	7	1	95
12	760	53	3	0.25	OR	70		20	10			90	75	135	0.5		8.25%	2150	15	X	105
13	740	53	3	0.30	BROR	70	10	20				85	65	105	0.5		8.15%	1665	11	X	90
14	720	53	3	0.50	GN	80		20				65	50	135	0.5		8.75%	335	4	X	130
15	700	53	3	0.20	BR	60	10	20	10			55	65	110	0.5		7.80%	1250	11	X	135
[illegible]	374680	53		0.30	BR	80		20				50	[illegible]	75	X		7.[illegible]%	415	[illegible]	[illegible]	[illegible]

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704255

Project : Mt. BLACK
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : G. Mallinson Contractors
Date :

Size Fraction Analysed :
Analysed By :
Method :

28

SAMPLE NUMBER	Grid Line No 5369022N Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	(m) DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam.	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
47317	374660	53	3	0·30	ORBR	70	10	20				50	50	120	0·5		8·10%	375	4	X	11
18	640	53	3	0·25	ORBR	80	10	10				65	60	125	0·5		9·05%	495	6	X	12
19	620	53	3	0·60	ORBR	70	10	20				65	40	130	0·5		8·05%	150	7	X	9
20	600	53	3	0·37	GN	70	10	20				155	35	180	X		9·45%	260	4	X	9
21	580	53	3	1·20	ORBR	100						50	50	85	1·0		7·65%	135	4	X	7
22	560	53	3	0·35	OR	80	10	10				70	35	100	0·5		9·25%	480	7	X	12
23	540	53	3	0·30	ORBR	70	10	20				95	90	235	X		8·70%	1000	14	X	16
24	520	53	3	0·40	ORBR	80	10	10				50	45	85	0·5		7·55%	465	7	X	20
25	500	53	3	0·30	ORBR	70	20	10				40	50	95	1·0		8·00%	390	4	1	16
26	480	53	3	0·45	OR	70	10	20				85	160	220	0·5		7·85%	185	17	X	8
47327	374460	53	3	0·30	ORBR	70	10	20				30	65	80	1·0		6·55%	145	7	X	9
28	440	53	3	0·25	ORBR	70	10	20				40	50	85	X		7·95%	255	6	X	12
29	420	53	3	0·15	ORBR	70	10	20				65	75	155	X		8·15%	270	14	X	13
30	400	53	3	0·30	ORBR	70	10	20				65	45	110	0·5		7·55%	290	12	X	15
31	380	53	3	0·30	YLBR	70	10	20				50	50	85	0·5		7·50%	285	8	X	10
32	360	53	3	0·20	DKBR	70	10	20				15	50	375	1·0		20·5%	2500	2	X	L·30
33	340	53	3	0·30	BK	60	10	20	10			10	75	910	0·5		26·0%	4150	3	X	495
34	320	53	3	0·52	GN	80		20				5	25	220	X		9·15%	1400	6	X	650
35	300	53	3	0·30	YLBR	80	10	10				20	10	45	0·5		4·75%	80	2	X	59
36	280	53	3	0·37	YLBR	60		30	10			10	15	45	0·5		3·25%	110	1	X	11
37	260	53	3	0·30	BR	70	10	20				15	25	35	0·5		2·70%	35	1	X	12
38	240	53	3	0·27	ORBR	70	10	10	10			60	20	140	1·0		4·50%	165	1	2	12
39	220	53	3	0·25		60	10	20	10			15	20	20	0·5		3·20%	55	2	X	11
40	200	53	3	0·37	GN ORBR	70		30				25	15	55	0·5		5·55%	110	2	X	25
41	180	53	3	0·35	YLBR	80	10	10				25	25	45	0·5		3·95%	300	2	X	16
42	160	53	3	0·30	OR	80	10	10				35	20	50	0·5		4·65%	150	1	X	17
43	140	53	3	0·30	YLBR	80		30				25	30	50	0·5		4·90%	185	3	X	40
44	120	53	3	1·59	GN	98	2					45	30	70	0·5		5·00%	60	3	X	17
45	100	53	3	0·37	YLOR	80		20				20	15	145	0·5		9·10%	180	3	X	200
[illegible]	[illegible]	53	3	0·65	YLOR	100						5	5	60	[illegible]·5		5·70%	85	2	1	25

E Z Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704256

Project : Mt. BLACK
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : G. Mallinson Contractors
Date :

Size Fraction Analysed :
Analysed By :
Method :

29

	Sample Location Data				Sample Composition Data							METAL CONTENT (ppm. unless specified)									
SAMPLE NUMBER	Grid Line No 5369/00 Grid Easting	AMG CO-ORDINATES NORTHING	EASTING	DEPTH (m)	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam.	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
47347	374060E	53	3	0.45	YLBR	80		20				20	30	90	0.5		7.90%	155	3	1	55
48	040	53	3	0.70	R	90	5	5				30	20	105	X		7.60%	105	3	X	250
49	020	53	3	0.10	GN	70	10	20				45	80	380	X		9.30%	1150	4	X	1950
50	374000	53	3	1.00	OR	70	10	20				35	30	110	0.5		3.65%	55	6	X	22
51	980	53	3	0.45	ORBR	80		20				125	535	4950	0.5		26.5%	330	78	X	6700
52	960	53	3	0.30	YLBR	70	10	20				20	90	530	X		3.50%	85	12	X	2150
53	940	53	3	0.30	LTBR	70	10	20				5	99	285	0.5		3.15%	45	3	X	1150
54	920	53	3	0.45	OR	90	5	5				25	275	935	0.5		8.75%	245	8	X	2700
47355	373900	53	3	0.70	GNBR	70	10	20		TRAM		15	4700	5150	1.0		9.05%	330	3	X	2150

E Z Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704257

Project : Mt. BLACK
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : G. MALLISON Contractors
Date : 1981

Size Fraction Analysed :
Analysed By :
Method :

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SAMPLE NUMBER	Sample Location Data: Grid Line No 5368900N, Grid Easting	AMG CO-ORDINATES: NORTHING	AMG CO-ORDINATES: EASTING	DEPTH	COLOUR	Sample Composition Data: Clay	Sand	Rock Frags.	Organic	Contam	Geology	METAL CONTENT (ppm. unless specified): Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
47356	373860E	53	3	0·30	ORBR	80	10	10				35	55	90	0·5		5·00%	80	3	X	110
357	880	53	3	0·30	OR	90		10				40	100	135	0·5		4·80%	35	3	2	100
358	900	53	3	0·30	ORYL	90		5	5			35	85	120	X		4·145%	45	3	1	100
359	920	53	3	0·30	OR	90		10				45	70	135	X		4·70%	65	4	X	100
360	940	53	3	0·30	ORBR	90		10				45	145	960	1·0		7·95%	1300	6	X	110
		53	3																		
		53	3																		
		53	3																		
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E.Z. Co of A/Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704258

Project : Mt. Black
Locality :
Grid Name : Natone Grid
Nominal Grid Azimuth :

Material : Soils
Sample Method :
Sampled By : G. Mallinson Contractors
Date : 1981

Size Fraction Analysed :
Analysed By :
Method :

31

Sample Number	Grid Line No 368900N Grid Easting	AMG Northing	AMG Easting	Depth (m)	Colour	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
47361	373960	53	3	0·30	DNBR	70	10	20				40	45	390	X		4·95%	265	4	X	10[illegible]
362	980	53	3	0·27	ORBRGN	70		20	10			35	55	170	X		5·30%	80	6	2	80
363	374000	53	3	0·30	YLBRGY	70	10	20				15	50	50	0·5		1·45%	25	5	X	45
364	020	53	3	0·57	YLOR	80	5	15				45	40	95	X		5·05%	55	7	3	70
365	040	53	3	0·30	ORBR	70	10	20				40	30	130	X		5·05%	40	9	X	60
366	060	53	3	0·57	OR	95		5				25	35	60	X		3·35%	30	7	1	60
367	080	53	3	0·60	ORBR	70	10	20				30	35	60	X		3·70%	25	9	X	65
368	100	53	3	0·45	GNYL	80	5	10	5			25	40	105	X		2·70%	25	7	2	80
369	120	53	3	0·30	ORBRGY	80		20				20	40	75	0·5		2·15%	20	8	2	60
370	140	53	3	0·37	OR	80	5	10	5			25	40	65	X		4·70%	40	8	X	70
371	160	53	3	0·30	LTGY	70	10	20				X	30	25	X		3850	25	2	2	45
372	180	53	3	0·30	GY	60	15	20	5			25	30	65	X		2950	15	5	1	20
373	200	53	3	0·50	GYWH	60	10	20	10			X	35	45	X		900	20	1	2	15
374	220	53	3	0·27	GY	50	20	10	20			20	30	55	X		5050	20	2	2	15
375	240	53	3	0·45	GYBR	70	10	20				35	35	80	X		11·50%	65	4	2	85
47376	260	53	3	0·10	DKBRGN	40	20	20	20	CREEK		20	245	855	0·5		18·0%	7950	350	4	3·00%
377	280	53	3	0·45	ORBR	80	10	10				55	50	215	X		5·95%	205	240	1	3400
378	300	53	3	0·30	ORBR	80		10	10			65	60	125	X		7·40%	155	34	X	155
379	320	53	3	0·90	OR	90		10				60	45	125	X		8·40%	315	16	X	90
380	340	53	3	0·55	OR	70		30				70	35	125	X		8·95%	170	6	X	110
381	360	53	3	0·30	ORBR	90		10				80	70	160	X		9·30%	310	16	X	145
382	380	53	3	0·15	ORBR	70		20	10			65	55	115	X		7·80%	265	13	X	130
383	400	53	3	0·30	DKBR	60	10	20	10	CREEK		40	70	85	X		4·45%	185	9	X	80
384	420	53	3	0·17	DKBRGN	50	10	30	10			75	60	225	X		7·30%	220	8	X	120
385	440	53	3	0·30	ORBR	80	10	10				45	65	140	X		7·80%	135	14	X	135
386	460	53	3	0·25	ORBR	80	5	10	5			50	75	145	X		7·30%	150	10	X	125
387	480	53	3	0·30	CROR	80		20				90	100	300	X		8·10%	330	7	X	135
388	500	53	3	0·35	DKBROR	90		10				135	115	345	0·5		7·65%	1400	6	X	120
389	520	53	3	0·60	OR	70	10	20				120	220	315	X		7·25%	515	11	X	140

METAL CONTENT (ppm unless specified)

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704259

Project : Mt. Black
Locality :
Grid Name : Notone Grid
Nominal Grid Azimuth :

Material : Soils
Sample Method :
Sampled By : G. Mallinson Contractors
Date : '81

Size Fraction Analysed :
Analysed By :
Method :

32

SAMPLE NUMBER	Grid Line No 36590 0N Grid Easting	AMG CO-ORDINATES NORTHING	EASTING	(m) DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam.	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
47391	374560	53	3	0.30	ORBR	70	10	20				105	85	310	X		9.15%	475	7	1	14[illegible]
392	580	53	3	0.32	ORBR	90		10				95	120	445	X		9.95%	650	3	X	125
393	600	53	3	0.30	ORBR	80		20				75	65	170	X		9.00%	1450	6	2	14[illegible]
394	620	53	3	0.60	OR	95		5				120	205	435	X		9.25%	1100	16	X	19
395	640	53	3	0.20	OR	70	10	20		ROAD		100	215	225	X		9.25%	385	10	X	18[illegible]
396	660	53	3	0.25	OR	80	5	10	5			65	365	315	X		9.45%	450	65	X	13[illegible]
397	680	53	3	0.30	DKBR	70	10	20				75	245	230	X		7.40%	1250	14	X	10[illegible]
398	700	53	3	0.35	OR	60		40				80	100	280	X		9.15%	1000	14	X	14[illegible]
399	720	53	3	0.30	DKBR	60	10	20	10			90	170	265	0.5		5.15%	1950	13	X	8[illegible]
47400	374740	53	3	0.30	DKBR	50		10	10			100	140	285	0.5		7.55%	2000	12	X	13[illegible]

METAL CONTENT (ppm. unless specified)

E. Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704260

Project : Mt. Black
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : Soils
Sample Method :
Sampled By : G. Mallinson (contractors)
Date : 1981

Size Fraction Analysed :
Analysed By :
Method :

33

SAMPLE NUMBER	Grid Line No 5368900N Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	(m) DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam.	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
47401	374760	53	3	0.45	OR	80		20				100	120	315	X		8.35%	415	12	2	90
402	780	53	3	0.30	OKBR	80	5	10	5			105	90	195	X		7.80%	690	12	X	80
403	800	53	3	0.30	ORBR	80		20				65	75	140	X		7.55%	315	11	2	70
404	820	53	3	0.42	BRORGR	60	20	20				235	5	340	X		10.0%	865	3	X	5[illegible]
405	840	53	3	0.30	ORBR	60	10	20	10			110	205	205	X		7.85%	5750	10	X	9[illegible]
406	860	53	3	0.40	YBROR	90		10				80	90	230	0.5		8.45%	2500	12	X	8[illegible]
407	880	53	3	0.75	OR	80		20				75	80	195	X		8.15%	685	11	X	10[illegible]
408	900	53	3	0.55	OR	60		40		POSS.		95	85	235	X		9.15%	535	11	1	9[illegible]
409	920	53	3	0.15	GNGY	60	10	20	10			5	10	20	X		2450	15	X	1	1[illegible]
410	940	53	3	0.25	GYWH	90		10				X	X	5	0.5		1400	10	1	1	1[illegible]
411	960	53	3	0.20	GY	90		10				X	5	15	X		1150	X	X	1	1[illegible]
412	980	53	3	0.30	GYWH	90		10				X	X	15	X		3100	5	1	X	[illegible]
413	375000	53	3	0.30	BR	90		10				10	15	35	X		2.95%	50	10	1	20
414	020	53	3	0.30	OR	90		10				70	10	70	X		6.30%	60	13	X	20
415	040	53	3	1.60	DKBR	70	10	20		POSS.		40	60	65	X		4.00%	165	8	X	20
416	060	53	3	0.30	ORGM	80	10	10				15	25	40	X		3.20%	95	8	X	1[illegible]
417	080	53	3	1.47	ORBR	90		10				50	35	50	X		5.50%	25	17	X	1[illegible]
418	100	53	3	1.42	ORGN	60	20	20				65	35	70	X		7.45%	45	40	X	20
419	120	53	3	1.05	ORBR	90		10				55	25	65	X		8.30%	35	32	3	1[illegible]
420	140	53	3	0.90	ORGNGY	80	10	10				5	5	15	X		3.05%	5	16	X	3
421	160	53	3	0.75	GYBR	70	10	20				X	X	X	X		1800	X	2	X	2[illegible]
422	180	53	3	0.15	GYGN	80	10	10				X	X	5	X		1450	X	1	X	6[illegible]
423	200	53	3	0.60	GYBR	70	10	20				X	X	X	X		4400	X	10	X	1[illegible]
424	220	53	3	0.60	GY	80	10	10				X	X	5	X		1250	X	1	1	4[illegible]
425	240	53	3	0.50	BR	60	10	20	10			X	X	10	X		550	X	1	X	5[illegible]
426	260	53	3	0.30	GNGY	70	10	20				X	5	10	X		950	X	2	X	5[illegible]
427	280	53	3	0.60	GNGY	70	10	20				X	5	X	X		1550	X	19	X	[illegible]
428	300	53	3	0.60	GNBR	70	20	10				X	X	5	X		650	X	3	1	1[illegible]
429	320	53	3	0.30	LTBR	60	10	20	10			X	X	10	X		1650	X	4	X	5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		20	10			X	X	5	X		850	5		X	[illegible]

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704261

Project : Mt. Black
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : Soils
Sample Method :
Sampled By : G. Mallinson Contractors
Date : 1981

Size Fraction Analysed :
Analysed By :
Method :

34

SAMPLE NUMBER	Sample Location Data: Grid Line No 3689000N, Grid Easting	AMG CO-ORDINATES: NORTHING	EASTING	(m) DEPTH	Sample Composition Data: COLOUR	Clay	Sand	Rock Frags.	Organic	Contam.	Geology	METAL CONTENT (ppm. unless specified): Cu	Pb	Zn	Ag	Au	Fe %	Mn	As	Sn	Cr
47431	375360	53	3	0.30	LTBR	60	10	20	10			5	X	15	X		550	X	1	X	1
432	380	53	3	0.75	GYGN	80	10	10				5	X	10	X		2500	X	2	X	1.
433	400	53	3	0.60	GYGN	70	10	20				5	X	5	X		2750	X	3	X	1
434	420	53	3	0.50	OKGYGN	70	10	15	5			10	X	10	X		2.30%	110	10	X	1
435	440	53	3	0.45	ORGYBR	70	10	20				20	X	40	X		4.95%	400	5	X	
436	460	53	3	0.75	YLOR	90	5	5				35	25	35	X		8.11%	250	9	X	2[illegible]
437	480	53	3	1.47	ORYL	90	10					30	30	30	X		4.80%	130	10	X	4
438	500	53	3	0.45	ORBRYL	70	25	5				65	45	210	X		9.80%	175	13	X	170
439	520	53	3	0.30	BR	60	10	20	10	Poss.		30	120	55	X		5.10%	50	47	6	11[illegible]
440	540	53	3	0.10	LTBR	40	20	20	20	Poss.		15	20	20	X		1750	20	2	18	1[illegible]
441	560	53	3	0.30	LTBR	40	20	30	10			10	5	15	X		470	10	X	1	1[illegible]
442	580	53	3	0.12	PLGN	60	30	10				10	25	20	X		220	25	1	50	1[illegible]
443	600	53	3	0.30	GYBR	60	10	20	10			10	10	15	X		770	15	2	1	1[illegible]
444	620	53	3	0.50	LTBR	40	30	25	5			10	10	15	X		540	15	X	1	1.
445	640	53	3	0.45	LTBR	60	10	20	10			10	10	15	X		650	15	X	X	1.
446	660	53	3	0.35	LTBR	70	10	20				5	10	20	X		3100	15	2	2	1[illegible]
447	680	53	3	0.60	LTBRGY	70	10	20				10	35	20	X		2.10%	30	15	2	1[illegible]
448	700	53	3	0.37	GNBROR	80	10	10				10	40	30	X		1.30%	30	10	1	[illegible]
449	720	53	3	0.37	LTBR	80	10	10				10	35	30	X		9750	35	25	2	[illegible]
450	740	53	3	0.70	GYGNBR	70	20	10				5	35	60	X		1.20%	30	23	X	[illegible]
451	760	53	3	0.30	GYOR	70	10	10	10			10	20	20	X		2700	20	5	X	[illegible]
452	780	53	3	0.32	WHGY	80	10	10				5	15	20	X		900	20	2	2	1[illegible]
453	800	53	3	0.60	LTBROR	80	10	10				10	30	25	X		8600	30	19	3	1[illegible]
454	820	53	3	0.45	WHGY	70	10	20				5	20	20	X		950	25	2	2	5
47455	375840	53	3	0.30	WHGY	70	10	20				5	20	20	X		2800	30	5	3	5
47356	375860	53	3	0.30	OR	80	10	10													
357	880	53	3	0.30	OR	90		10													
358	900	53	3	0.30	ORYL	40		5	5												
359	920	53	3	0.30	OR	90		10													
[illegible]	37[illegible]		3	0.30	[illegible]	9[illegible]		[illegible]													

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704262

Project : MT. BLACK
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : Soils
Sample Method :
Sampled By : G Mallinson Contractors.
Date : 1981

Size Fraction Analysed :
Analysed By :
Method :

35

	Sample Location Data				Sample Composition Data							METAL CONTENT (ppm unless specified)									
	Grid Line No 368700N	AMG CO-ORDINATES		(m)																	
SAMPLE NUMBER	Grid Easting	NORTHING	EASTING	DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe %	Mn	As	Sn	Cr
47456	375960	53	3	0.87	LTBR	60	20	20				10	30	35	X		3750	30	4	3	5
457	940	53	3	0.50	LTBR	60	10	20	10			10	15	25	X		1100	35	1	2	10
458	920	53	3	0.20	BR	60	10	10	20			5	10	20	X		440	20	X	2	10
459	900	53	3	0.45	BRWH	60	10	20	10			15	25	30	X		440	30	2	2	10
460	880	53	3	0.10	LTBR	50	10	10	30	Poss.	B	10	15	25	X		1500	25	X	2	5
461	860	53	3	0.25	LTBR	80	10	10				10	25	10	X		3750	30	2	2	10
462	840	53	3	1.05	GNWH	60	20	20				45	70	175	X		1.40%	120	40	4	5
463	820	53	3	?	BR	60	10	20	10			10	30	30	X		1.00%	30	10	2	10
464	800	53	3	0.10	BR	70	10	10	10			5	20	20	X		1750	25	1	3	10
465	780	53	3	0.60	LTBR	70	10	20				5	15	15	X		1700	25	1	3	10
466	760	53	3	0.50	BR	70	10	10	10			10	10	20	X		970	25	2	4	10
467	740	53	3	0.37	LTGY	70	10	20				5	15	15	X		780	20	2	4	5
468	720	53	3	1.25	YLBR	90	10					15	35	20	X		7600	30	2	3	5
469	700	53	3	?	GYORBR	60	10	20	10			20	40	55	X		1.10%	65	8	3	5
470	680	53	3	0.57	GNOR	100						30	65	105	X		2.60%	190	10	2	5
471	660	53	3	0.30	LTBR	60	10	20	10			25	25	25	X		4850	35	4	2	10
472	640	53	3	1.37	PLGN	100						20	60	120	X		2.40%	165	6	2	5
473	620	53	3	0.30	LTBR	70	10	20				15	30	130	X		3750	35	2	2	5
474	600	53	3	0.37	LTBR	80	10		10			5	35	30	X		6300	50	3	2	10
475	580	53	3	0.30	GYOR	70	10	20				25	80	105	X		1.50%	150	5	2	20
476	560	53	3	1.00	GNOR	80	10	10				25	100	280	X		1.70%	95	5	X	5
477	540	53	3	0.30	LTBR	70	10	20				10	20	35	X		4100	30	1	X	10
478	520	53	3	0.25	GNBR	50		20	30	Poss.	B	10	15	75	X		410	10	X	X	10
479	500	53	3	0.30	LTBR	70	10	20				10	30	50	X		660	10	X	X	35
480	480	53	3	0.25	LTBR	60	10	10	20			5	20	25	X		490	5	X	1	30
481	460	53	3	0.30	LTBR	70	10	20				10	25	40	X		550	10	X	X	45
482	440	53	3	0.35	LTBR	80	10	10				5	30	25	X		2200	10	1	X	20
483	420	53	3	0.30	BR	60	10	20	10			5	20	20	X		350	5	X	X	15
484	400	53	3	0.25	GNGY	40	10	40				5	15	20	X		500	5	X	X	15
[illegible]	[illegible]	[illegible]	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	50	X		[illegible]	[illegible]	[illegible]	X	[illegible]

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704263

Project : MT. BLACK
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : G. Mallinson Contractors
Date : 1981

Size Fraction Analysed :
Analysed By :
Method :

36

SAMPLE NUMBER	Grid Line No 368700N Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	(m) DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contsm.	Geology	Cu	Pb	Zn	Ag	Au	Fe %	Mn	As	Sn	Cr
47486	375360	53	3	0.30	BRORGN	30	20	30	20			10	35	40	X		7200	10	5	X	[illegible]
487	340	53	3	0.90	GYORBR	80		20				25	40	85	X		2.00%	15	12	X	1[illegible]
488	320	53	3	0.35	DKBR	80		20				1/5	1/5	1/5	1/5		1/5	1/5	1/5	X	1/3
489	300	53	3	0.30	ORBR	70	10	20				20	20	70	X		2.50%	20	9	X	4[illegible]
490	280	53	3	0.25	YLBR	80	10	10				15	15	20	X		1.00%	10	1	X	[illegible]
491	260	53	3	0.10	BR	80		20				10	20	20	X		3600	10	X	X	[illegible]
492	240	53	3	0.37	GYWH	70	20	10				10	10	20	X		420	10	X	X	[illegible]
493	220	53	3	0.30	BR	50	10	20	20			15	10	20	X		175	10	X	1	[illegible]
494	200	53	3	0.25	GNGY	30	10	40	20			10	10	15	X		150	10	X	X	[illegible]
495	180	53	3	0.15	GYBR	70		20	10			5	10	15	X		640	10	X	1	[illegible]
496	160	53	3	0.25	GN	70		5	25	POSB	.B	10	15	35	X		370	10	X	X	[illegible]
497	140	53	3	0.60	LTBR	60	10	20	10			10	15	15	X		650	5	X	X	[illegible]
498	120	53	3	0.25	LTBR	40	20	10	50	PK SB	.B	10	20	50	X		275	10	1	X	[illegible]
499	100	53	3	0.37	ORBRGY	60	10	20	10			10	10	30	X		520	5	X	X	[illegible]
47500	375080	53	3	0.30	LTBRGN	50	20	10	20			X	X	10	X		900	X	1	X	2
501	060	53	3	0.30	BR	50		20				X	X	X	X		800	X	X	X	1
502	040	53	3	0.30	LTGY	80	10	10				X	X	X	X		400	X	X	X	1
503	020	53	3	0.60	ORBR	70	10	20				X	10	X	X		2.75%	5	23	X	[illegible]
504	375000	53	3	0.30	GYGN	20		60	15			X	X	X	X		1700	X	2	1	[illegible]
505	374980	53	3	0.20	WHBR	80		20				5	10	10	1.0		1350	10	1	2	2
506	960	53	3	0.90	GYGN	90		10				10	35	20	1.0		9100	15	7	2	1
507	940	53	3	0.30	BR	60	10	20	10			10	15	25	0.5		1.00%	20	4	X	2
508	920	53	3	0.25	OR	80	10	5	5			20	45	60	0.5		3.120%	30	10	1	2
509	900	53	3	0.30	LTBR	70	10	20				10	40	15	1.0		2650	10	3	X	2
510	880	53	3	0.25	GYPLGN	80	10	10				10	30	5	0.5		1350	5	2	X	2
511	860	53	3	0.25	BRPLGY	70	10	20				10	55	10	0.5		3350	10	6	X	1
512	840	53	3	0.37	ORBRGY	60	30	10				15	85	45	0.5		2.55%	20	16	X	1
513	820	53	3	0.30	ORBRGY	70	10	20				5	35	15	1.0		1.15%	10	11	X	1
514	800	53	3	0.25	BR	70	10	10	10			60	95	120	0.5		7.65%	3050	16	1	8
[illegible]	[illegible]	[illegible]	3	0.30	ORBR	70	10	20				[illegible]	[illegible]	155	0.5		8.65%	2450	13	X	[illegible]

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704264

Project : MT. BLACK
Locality :
Grid Name : NATONE
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLINSON CONTRACTORS
Date : Feb. 1982

Size Fraction Analysed :
Analysed By :
Method :

37

SAMPLE NUMBER	Grid Line No 368700N Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	(m) DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
47516	374760	53	3	0·37	OR	90		10				140	105	195	0·5		9·60%	1100	21	2	7
517	740	53	3	0·30	ORBR	50	10	40				135	260	430	1·0		8·70%	2550	27	2	100
518	720	53	3	0·10	BR	40		30	10			135	125	155	1·0		7·95%	1750	13	2	8
519	700	53	3		ORBR	80		20		Road		130	215	255	0·5		9·10%	2150	20	X	130
520	680	53	3	0·25	BRRD	80		15	5	Road		120	170	195	1·0		8·00%	570	16	X	14
521	660	53	3	0·30	BR	80		20				80	75	165	1·0		8·85%	1200	14	X	9
522	640	53	3	0·15	BR	70		20	10			35	50	190			8·55%	675	7	X	9
523	620	53	3	0·30	BR	70	10	20				65	90	120	1·0		7·50%	375	16	1	8
524	600	53	3	0·50	BR	70	10	20				50	95	255	X		7·50%	205	12	1	9
525	580	53	3	0·30	BR	70	10	20				45	30	215	X		9·70%	305	4	X	9
526	560	53	3	0·50	YLBR	80	10	10				140	45	480	X		10·0%	285	10	X	9
527	540	53	3	0·30	ORBR	70	10	20				50	60	130	X		8·05%	180	12	X	9
528	520	53	3	0·37	YLBR	95		5				75	75	195	0·5		9·65%	245	7	1	12
529	500	53	3	0·37	ORBR	70	10	20				130	95	270	X		9·90%	455	16	X	120
530	480	53	3	0·37	OR	90		10				105	100	220	X		9·65%	395	14	3	11
531	460	53	3	0·32	ORBR	95			5			65	80	130	0·5		8·40%	320	10	1	80
532	440	53	3	0·45	OR	80		10	10			80	65	135	X		8·90%	265	7	X	110
533	420	53	3	0·37	ORBR	70	10	20				80	30	115	X		8·20%	235	6	X	90
534	400	53	3	0·20	OR	70		30				65	40	95	0·5		8·15%	175	6	X	7
535	380	53	3	0·60	OR	90		10				105	50	310	X		10·10%	130	6	X	100
536	360	53	3	0·20	YLOR	40	10	50				75	45	125	X		8·15%	135	10	2	4
537	340	53	3	0·30	YLBR	70	10	20				85	45	280	X		8·70%	525	10	X	60
538	320	53	3	0·45	OR	90		10				75	60	130	X		8·40%	925	14	1	7
539	300	53	3	1·50	OR	80		20				105	55	245	X		8·25%	165	13	X	12
540	280	53	3	0·37	OR	90		10				60	45	105	X		8·70%	345	13	X	140
541	260	53	3	0·60	ORBR	80		20				60	30	105	0·5		8·05%	1250	16	1	80
542	240	53	3	0·60	GN	70	30					135	40	205	X		9·80%	730	16	X	20
543	220	53	3	0·30	ORBR	70	10	20				40	45	165	0·5		7·25%	645	9	X	205
544	[illegible]00	53	3	0·15	YLLTBR	90		5	5			10	25	195	0·5		5·65%	890	3	X	1·2

E Z Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704265

Project : MT. BLACK
Locality :
Grid Name : NATONE
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLINSON CONTRACTORS
Date : FEB '82

Size Fraction Analysed :
Analysed By :
Method :

38

SAMPLE NUMBER	Grid Line No 368700N Grid Easting	AMG CO-ORDINATES NORTHING	EASTING	DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
47546	374160	53	3	0·37	GY	70	20	10				25	25	80	X		4·85%	335	7	X	30
547	140	53	3	0·90	YLBR	70	10	20				90	25	115	X		7·15%	145	14	X	140
548	120	53	3	0·35	ORBR	80	10	10				20	15	35	X		4·80%	55	8	X	165
549	100	53	3	0·30	BR	70	10	20				20	35	40	X		3·60%	65	5	X	120
550	080	53	3	0·30	GYBR	70	10	10	10			20	25	35	X		3·25%	95	4	X	165
551	060	53	3	0·60	ORBN	70	10	20				15	35	70	X		5·00%	245	11	X	90
552	040	53	3	0·30	YLLTBR	90		10				10	25	25	X		1·95%	45	4	2	120
553	020	53	3	0·30	BR	60	10	20	10			10	30	45	0·5		4350	110	2	X	50
554	374000	53	3	0·35	DKBR	60	10	30				15	50	35	X		2850	130	1	X	45
555	373980	53	3	0·15	RDBR	10		20	70			15	40	35	0·5		4500	25	2	X	45
556	960	53	3	0·32	YLBR	80		10	10			15	40	20	X		2·90%	15	6	X	80
557	940	53	3	0·30	YLBR	70	10	20				15	20	25	X		2·35%	10	4	X	80
558	920	53	3	0·45	YLBR	90		10				30	30	55	X		4·95%	30	7	X	100
47559	373900	53	3	0·37	YLBR	70	10	20				25	25	30	X		3·75%	115	6	X	80

E Z Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704266

Project : MT. BLACK
Locality :
Grid Name : NATONE
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLINSON CONTRACTORS
Date : FEB. '82

Size Fraction Analysed :
Analysed By :
Method :

39

SAMPLE NUMBER	Grid Line No 368500N Grid Easting	AMG CO-ORDINATES NORTHING	EASTING	DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam.	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
47620	375060E	5.3	3	0.35	WH	30		30	40			15	25	20	X		11400	10	1	X	1
21	080E	5.3	3	0.30	DKBR	60	10	30				45	40	60	X		9600	15	3	4	1
22	100	5.3	3	0.37	LTBR	95		5				30	25	130	X		8300	5	4	1	2
23	120	5.3	3	0.45	LTBR	40	20	20	20			15	20	25	X		600	10	2	X	2
24	140	5.3	3	0.35	WHGY	70	5	20	5			10	15	15	X		300	5	1	X	2
25	160	5.3	3	0.30	BR	60	10	20	10			15	15	25	X		550	10	2	3	2
26	180	5.3	3	0.25	DKBR	30		30	40			25	35	55	X		2750	45	4	2	2
27	200	5.3	3	0.30	DKBR	60	10	20	10			30	30	50	X		1000	20	2	1	1
28	220	5.3	3	0.30	ORBR	50	25	20	5			20	15	45	X		1.30%	15	8	2	09
29	240	5.3	3	0.30	RDBR	60	10	20	10			35	35	220	X		7.90%	10	40	36	23
47630	260	5.3	3	0.35	BROR	20	60	20				20	20	70	X		3.10%	15	10	7	47
31	280	5.3	3	0.30	LTBR	40	20	20	20			35	20	30	X		1000	10	2	3	33
32	300	5.3	3	0.25	LTBR	50	10	30	10			30	20	20	X		820	10	2	2	12
33	320	5.3	3	0.30	LTBR	60	10	20	10			30	15	30	X		1400	10	3	11	33
34	340	5.3	3	0.32	WHGY	50	10	40				30	15	20	X		2600	15	X	4	3
35	360	5.3	3	0.30	LTBR	60	10	20	10			30	15	20	X		350	15	1	11	5
36	380	5.3	3	0.30	LTPLGR	60	20	10	10			35	20	25	X		350	15	2	2	5
37	400	5.3	3	0.30	LTBR	60	10	20	10			35	25	55	X		960	10	2	X	5
38	420	5.3	3	0.25	LTBR	60	25	15				45	20	35	X		2300	10	3	2	5
39	440	5.3	3	1.30	GY					Railway		40	35	20	X		6800	10	6	2	3
40	460	5.3	3	0.25	LTBR	50	10	30	10			75	20	25	X		1650	25	2	3	3
41	480	5.3	3	0.30	LTBR	60	10	20	10			40	25	20	X		830	10	2	2	2
47642	500	5.3	3	0.32	LTGY	60	30	10				40	20	10	X		530	15	2	2	2

E Z Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

504207

Project : MT. BLACK
Locality :
Grid Name : MATONE
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLINSON CONTRACTORS
Date : FEB. '82

Size Fraction Analysed :
Analysed By :
Method :

40

SAMPLE NUMBER	Grid Line No. 368500N Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	(m) DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam.	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	C
47590	374460	53	3	0.35	ORBRGY	80		20				55	90	245	X		7.55%	200	10	X	9
591	480	53	3	0.20	LTBR	60	10	20	10			20	40	65	1.0		5.10%	65	4	X	6
592	500	53	3	0.25	WHGY	50	10	20	20			15	25	45	X		4.30%	70	2	X	4
593	520	53	3	0.15	BR	60	10	20	10			15	50	35	X		3.25%	85	3	X	3
594	540	53	3	0.25	BR	60	10	20	10			25	35	65	X		5.55%	90	4	X	4
595	560	53	3	0.30	BR	60	10	20	10			25	50	70	0.5		5.55%	105	5	1	5
596	580	53	3	0.25	ORBR	90		10				40	75	150	1.0		8.70%	215	8	X	8
597	600	53	3	0.30	BR	70	10	20				15	50	45	0.5		3.65%	50	2	X	3
598	620	53	3	0.25	LTBR	70		10	20			30	65	90	0.5		8.30%	2500	6	1	6
599	640	53	3	0.37	DKBR	80		20				80	60	145	X		7.75%	6750	7	X	7
47600	660	53	3	0.55	LTBR	80		20				55	75	205	X		7.80%	3500	7	X	11
601	680	53	3	0.30	ORBR	70	10	20				140	120	320	7		8.70%	620	7	X	5
602	700	53	3	0.30	OR	90		10				90	100	300	6		9.80%	750	6	X	7
603	720	53	3	0.30	ORBR	60	10	20	10			60	110	230	8		7.30%	415	8	X	5
604	740	53	3	0.62	YLOR	50	20	30				45	75	175	5		5.60%	30	5	X	2
605	760	53	3	0.60	GY	90		10				20	45	30	3		3600	115	3	X	12
606	780	53	3		WHBR	50	20	20	10			20	35	60	X		1500	10	X	X	2
607	800	53	3	0.30	LTBR	60	20	20				30	45	60	4		1.30%	15	4	X	2
608	820	53	3	0.50	BRGN	80		20				45	55	70	11		4.80%	25	1.1	X	2
609	840	53	3	.20	LTBR	80		20				35	60	80	6		3.40%	40	6	X	2
610	860	53	3	0.45	ORGYBL	70	10	20				25	45	80	4		2.10%	50	4	X	2
611	880	53	3	0.37	ORBRGY	70	10	20				30	60	75	5		2.10%	30	5	X	2
612	900	53	3	0.50	OR	90		10				20	25	20	X		2.20%	20	3	X	3
613	920	53	3	0.30	BR	45		10	45			30	45	55	X		1500	15	2	X	1
614	940	53	3	0.35	LTBR	40	20	30	10			20	25	20	X		1800	10	1	X	3
615	960	53	3	0.30	DKBR	45		10	45			20	30	50	X		1050	15	X	X	1
616	980	53	3	0.45	BR	20		20	60			15	25	25	X		1350	15	X	X	2
617	375000	53	3		DKBR	40		20	40			15	35	110	X		960	15	2	X	1
618	020	53	3	0.17	LTBR	30	10	30	30			15	30	140	X		2700	15	1	1	2

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704268

Project : M.T. BLACK
Locality :
Grid Name : NATONE
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLINSON CONTRACTORS
Date : FEB '82

Size Fraction Analysed :
Analysed By :
Method :

41

SAMPLE NUMBER	Grid Line No 368500N / Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	DEPTH (m)	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam.	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
47560	373860	53	3	0.50	YLBR	90	5	5				15	10	25	X		2.90%	10	4	X	11
561	880	53	3	0.30	LTBR	80	10	10				15	20	20	X		2.85%	10	3	X	11
562	900	53	3	0.62	YLBR	95	5					15	25	20	0.5		2.35%	5	4	X	9
563	920	53	3	1.20	YLBR	80	10	10				30	60	70	X		4.35%	10	13	X	9
564	940	53	3	0.35	ORBR	90		10				25	30	55	X		4.30%	15	10	1	7
565	960	53	3	0.30	DKBR	70	10	20				15	40	15	0.5		1.95%	5	6	11	6
566	980	53	3	0.25	GYBR	70	10	10	10			10	5	10	X		4300	5	3	X	6
567	374000	53	3	0.30	BR	70	10	20				25	30	90	X		5.15%	580	7	X	6
568	020	53	3	0.15	OR	90		10				35	25	85	X		5.35%	820	11	11	8
569	040	53	3	0.30	BR	60	10	20	10			40	35	80	X		6.15%	1300	9	X	8
570	060	53	3	0.37	OR	80		20				35	55	55	X		5.45%	200	13	X	8
571	080	53	3	0.30	BR	70	10	20				25	40	50	X		4.45%	170	7	X	6
572	100	53	3	0.37	ORBR	70		30				25	10	45	X		5.25%	100	5	X	7
573	120	53	3	0.30	BR	70	10	20				45	10	85	X		7.35%	170	6	11	9
574	140	53	3	0.30	ORBR	95		5				40	35	65	X		5.40%	435	7	11	10
575	160	53	3	0.60	BR	70	10	20				45	35	215	X		6.75%	2100	17	X	36
576	180	53	3	0.45	ORBR	80		20				75	55	165	X		7.70%	2050	10	1	12
577	200	53	3	0.30	BR	70	10	20				55	95	165	X		6.75%	2400	20	X	12
578	220	53	3	0.25	OR	80		20				50	60	85	X		6.85%	345	22	1	8
579	240	53	3	0.30	ORBR	70	10	20				75	60	85	X		7.90%	530	13	2	7
580	260	53	3	0.50	BR	90	5		5			40	35	65	0.5		7.20%	260	7	1	10
581	280	53	3	0.30	BR	60	10	20	10			50	55	75	X		7.65%	2450	10	1	11
582	300	53	3	0.15	ORBR	80		10	10			55	45	85	X		7.90%	840	11	1	9
583	320	53	3	0.30	BR	60	10	20	10			90	50	80	X		8.05%	4040	10	X	7
584	340	53	3	1.20	BR	80		20				50	25	85	X		6.75%	95	4	X	4
585	360	53	3	0.75	LTBR	80		20				35	15	75	X		5.65%	180	2	1	4
586	380	53	3	0.50	ORBR	95		5				50	15	180	X		7.05%	165	3	X	4
587	400	53	3	0.60	YLBR	80		20				100	35	205	X		9.50%	200	7	X	8
588	420	53	3	0.30	ORBR	80		10	10			50	50	80	X		6.65%	150	7	X	6

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704269

Project : MT. BLACK
Locality :
Grid Name : NATONE
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLINSON CONTRACTORS
Date : FEB '82

Size Fraction Analysed :
Analysed By :
Method :

42

SAMPLE NUMBER	Grid Line No 368300N Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contsm.	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
7643	373860E	53	3	0·50	ORBR	40	20	40				65	15	40	X		5300	10	2	X	
44	880	53	3	0·30	GY	90		10				40	15	20	X		1600	10	2	11	
45	900	53	3	0·45	ORBR	70	10	20				50	45	65	X		5·20%	40	10	1	8
46	920	53	3	0·30	PLGR	80		20				55	30	20	X		2·10%	20	6	X	3
47	940	53	3	0·20	LTBR	70	10	20				80	30	45	X		2·10%	30	5	1	2
48	960	53	3	0·22	BRGYOR	40		40	20			50	95	100	X		4·70%	1400	22	X	3
49	980	53	3	0·10	BR	60	10	20	10			40	65	45	X		1·40%	85	10	X	3
50	374000	53	3	1·32	PLGROR	80	10	10				65	60	75	X		4·60%	45	21	X	3
51	020	53	3	0·30	RDBRGR	70	10	20				50	70	50	X		4·70%	200	17	X	9
52	040	53	3	0·15	BR	80	10	10				45	45	45	X		2·90%	150	13	X	9
53	060	53	3	0·30	ORGR	70	10	20				80	95	180	X		7·20%	600	10	X	54
54	080	53	3	0·25	BROR	60	10	30				75	55	65	X		6·30%	220	13	X	24
55	100	53	3	0·30	ORBR	70	10	20				65	50	100	X		6·60%	520	13	X	23
7656	374120	53	3	0·25	BR	50	10	30	10			60	50	75	X		6·90%	435	8	X	17
57	140	53	3	0·30	DKBR	60		20	20			I/S	I/S	I/S	I/S		I/S	I/S	I/S	X	I/S
58	160	53	3	0·30	BR	40		40	20			45	50	50	X		5·90%	210	11	X	6
59	180	53	3	0·30	DKBR	60	10	20	10			50	55	65	X		6·60%	395	7	X	8
60	200	53	3	0·30	BR	60		20	20			40	50	40	X		5·20%	370	6	X	6
61	220	53	3	0·30	BRGY	60	10	20	10			35	65	25	X		1·90%	60	4	X	2
62	240	53	3	0·50	BRGY	70		20	10			50	80	130	X		3·30%	145	9	X	4
63	260	53	3	0·30	DKBR	70	10	20				105	90	120	X		7·60%	350	14	X	4
64	280	53	3	0·32	ORBR	60		30	10			65	70	135	X		7·50%	3100	7	X	6
65	300	53	3	0·30	BR	70	10	20				I/S	I/S	I/S	I/S		I/S	I/S	I/S	X	I/S
66	320	53	3	0·45	BROR	80		20				95	65	180	X		7·90%	2450	3	X	9
67	340	53	3	0·30	BR	60	10	20	10			85	75	110	X		7·70%	570	7	X	6
68	360	53	3	0·30	OR	80	10		10			70	100	115	X		8·00%	250	9	X	9
69	380	53	3	0·30	DKBR	70	10	10	10			45	100	150	X		2·60%	160	4	X	3
70	400	53	3	0·45	DKBR	70		10	20			40	60	130	X		2·80%	70	2	X	3
71	420	53	3	0·07	BR	60	10	[illegible]	[illegible]			50	220	150	X		5·30%	205	5	X	4

[redacted]

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704270

Project : MT. BLACK
Locality : ....
Grid Name : NATONIE
Nominal Grid Azimuth : ....

Material : SOILS
Sample Method : ....
Sampled By : MALLINSON CONTRACTORS
Date : FEB. 1.82

Size Fraction Analysed : ....
Analysed By : ....
Method : ....

43

SAMPLE NUMBER	Grid Line No 368300 Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam.	Geology	Cu	Pb	Zn	An	Au	Fe %	Mn	As	Sn	Cr
7672	374440E	53	3	0.25	ORBR	70		20	10			55	65	60	X		4.80%	215	5	X	40
73	460	53	3	0.05	BR	60	10	20	10			85	80	110	X		6.50%	1450	6	X	80
74	480	53	3	0.30	OR	70		20	10			80	75	145	X		7.30%	870	7	X	70
75	500	53	3	0.30	BR	60	10	20	10			80	100	230	X		7.80%	1500	7	X	65
76	520	53	3	0.37	ORBR	80		20				170	240	720	X		8.90%	5300	6	X	80
77	540	53	3	0.30	BR	60	10	20	10			120	125	340	X		9.20%	1550	9	1	90
78	560	53	3	1.37	OR	70	10	20				80	75	200	X		8.40%	1700	9	3	75
79	580	53	3	0.60	LTORBR	60	10	20	10			60	60	75	X		5.20%	630	11	X	40
80	600	53	3	0.50	OR	70		30				75	95	100	X		6.30%	905	14	X	20
81	620	53	3	0.45	ORBR	70	10	20				65	80	70	X		4.80%	320	15	X	20
82	640	53	3	0.37	BR	90		10				70	75	80	X		4.70%	195	13	1	35
83	660	53	3	0.37	ORBR	90		10				115	70	105	X		7.20%	265	15	X	30
84	680	53	3	0.25	SR	70		10	20			35	55	45	X		1.70%	30	2	X	65
85	900	53	3	0.37	LTBR	70	10	20				40	50	30	X		3.10%	30	4	0	20
86	720	53	3	0.37	ORYLCY	100						25	35	20	X		2.00%	20	2	1	15
87	740	53	3	0.30	LTBR	60	10	20	10			30	35	20	X		1.00%	15	2	1	15
88	760	53	3	0.15	LTYLOR	80	10	10				25	30	20	X		9200	20	3	2	10
89	780	53	3	0.30	GYORBR	70	10	20				30	25	20	X		9500	45	4	X	10
90	800	53	3	0.95	RDOR	90		10				30	40	60	X		2.50%	40	2	X	5
91	820	53	3	0.45	GYBR	60	10	30				25	30	15	X		2300	10	X	2	20
92	840	53	3	0.30	BRGYWH	60	10	20	10			30	5	20	X		370	10	X	2	175
93	860	53	3	0.30	BR	70	10	20				45	35	20	X		1300	5	X	X	40
94	850	53	3	0.95	LTBRWH	20	60	20				20	5	10	X		360	10	X	X	285
95	900	53	3	0.30	BR	70		20	10			25	110	15	X		810	5	X	1	30
96	920	53	3	01.60	GYBR	80		20				30	110	20	X		360	10	X	1	15
97	940	53	3	0.60	LTBR	70	10	20				15	5	10	X		470	5	1	X	125
98	960	53	3	0.62	GY	60	20	20				15	5	5	X		150	5	X	X	30
99	980	53	3	0.30	BRGY	70	10	20				30	5	10	X		740	5	1	1	45
7700	378000	53	3	0.45	BR	70	10	10	10			20	5	25	X		510	10	X	2	750

E Z Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704271

Project : MT. BLACK
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLISON CONTRACTORS
Date :

Size Fraction Analysed :
Analysed By :
Method :

44

SAMPLE NUMBER	Grid Line No 368300N Grid Easting	AMG CO-ORDINATES NORTHING	EASTING	DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe %	Mn	As	Sn	C
47702	375040E	53	3	0·25	BROR	50	30	20				25	20	30	X		11·00%	35	2	1	4
103	060E	53	3	0·30	BR	60	10	20	10			25	25	25	X		5400	20	2	2	28
04	080E	53	3	0·10	DKBR	40		30	30			35	25	30	X		1600	20	2	1	75
05	100	53	3	0·30	BR	60	20	20				65	10	50	X		1050	15	2	X	63
06	120	53	3	0·25	WHBR	40		40	20			25	15	15	X		1100	15	1	1	33
07	140	53	3	0·30	DKBR	50	10	20	20			35	35	30	X		1450	40	2	X	27
08	160	53	3	0·20	BR	50		30	20			40	25	200	X		3·80%	1450	10	1	4
09	180	53	3	0·30	DKBR	60	10	20	10			25	20	45	X		3·20%	800	16	3	13
10	200	53	3	0·45	YLOR	80		20				25	45	40	X		3·00%	40	8	X	2
11	220	53	3	0·30	BR	70	10	20				35	55	80	X		2·80%	330	17	X	2
12	240	53	3	0·37	YLBR	40	10	20	20			30	35	30	X		3·00%	2000	16	2	2
13	260	53	3	0·30	YLBR	70	10	20				35	55	25	X		2·80%	205	10	1	3
47714	375280	53	3	0·20	BROR	66		20	20			70	25	30	X		5·40%	145	17	X	5
15	300	53	3	0·37	ORBR	70	10	20				60	20	15	X		3·90%	30	13	X	3
16	320	53	3	0·45	OR	95		5				50	15	15	X		7·10%	40	14	X	5
17	340	53	3	0·30	BR	60	10	20	10			15	20	15	X		2400	20	2	X	5
18	360	53	3	0·20	WHGY	50	10	30	10			10	10	15	X		295	15	1	1	13
19	380	53	3	0·30	LTGY	50	20	20	10			10	10	10	X		320	15	1	1	13
20	400	53	3	0·37	GY	70	20	10				15	10	15	X		300	10	X	X	5
21	420	53	3	0·30	LTGY	50	40	10				15	10	10	X		1000	30	X	3	4
22	440	53	3	0·60	GYBROR	90	10					20	10	5	X		5100	20	5	3	3
23	460	53	3	0·50	LTBR	70	10	20				20	15	15	X		6300	1700	7	2	
24	480	53	3	0·15	BR	60		30	10			20	15	20	X		9200	255	5	2	14
25	500	53	3	0·22	LTBRGY	70	10	20				15	30	15	X		4500	25	5	2	[illegible]
26	520	53	3	0·37	GNGY	80		20				20	20	10	X		2600	20	8	1	1
27	540	53	3	0·20	DKGY	60	10	20	10			30	30	30	X		1500	40	2	1	1
28	560	53	3	0·45	GY	60	20	20				15	10	10	X		660	15	2	X	1
29	580	53	3	0·60	GNGY	60	20	20				20	5	10	X		470	15	2	1	1
47730	375600	53	3	0·30	BR	50	20	30				20	5	15	X		1000	15	X	1	1

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704272

Project : MT. BLACK
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOIL
Sample Method :
Sampled By : MALLINSON CONTRACTOR
Date :

Size Fraction Analysed :
Analysed By :
Method :

45

SAMPLE NUMBER	Sample Location Data: Grid Line No 5368100N, Grid Easting	AMG CO-ORDINATES: NORTHING	EASTING	DEPTH	Sample Composition Data: COLOUR	Clay	Sand	Rock Frags.	Organic	Contam.	Geology	METAL CONTENT (ppm unless specified): Cu	Pb	Zn	Ag	Au	Fe %	Mn	As	Sn	Cr
47791	375120E	53	3	0.30	YLBR	70	10	20				80	175	45	X		4.60%	330	38	X	2
92	140	53	3	0.75	ORBR	60	10	30				80	170	50	X		7.20%	110	32	X	4
93	160	53	3	0.75	YLOR	70	10	20				150	530	85	X		8.90%	65	37	X	3
94	180	53	3	0.30	YLOR	70	15	15				50	70	50	X		6.70%	60	12	X	6
95	200	53	3	0.77	YLOR	70	10	20				20	40	15	X		2.20%	10	9	X	1
96	220	53	3	0.82	YLOR	80	10	10				15	35	15	X		1.80%	20	9	X	1
97	240	53	3	0.60	ORBR	70	10	20				110	40	20	X		2.10%	65	6	3	1
98	260	53	3	0.30	BROR	80		10	10			85	90	30	3.5		2.40%	3700	18	11	1
99	280	53	3	0.90	YLBR	70	10	20				30	55	20	X		2.90%	1500	8	X	1
47800	300	53	3	1.00	OR	80	10	10				45	45	20	X		4.70%	80	12	X	2
01	320	53	3	0.30	YLBR	70	10	20				90	50	20	X		5.50%	330	50	X	2
02	340	53	3	0.55	YBR	60	10	30				65	50	40	X		1.90%	60	13	X	2
03	360	53	3	0.45	GYBR	60	10	20	10			25	30	25	X		1.40%	60	15	11	2
04	380	53	3	0.45	YLBR	50	30	10	10			35	35	50	X		2.50%	475	13	11	2
05	400	53	3	0.90	GNGY	70	10	20				30	70	115	X		1.60%	125	8	X	2
06	420	53	3		BR	60	10	30				65	50	35	X		8500	500	3	11	2
07	440	53	3	0.30	LTBR	60	10	30				10	20	25	X		3600	50	2	1	1
08	460	53	3	0.20	GY	50	20	30				5	15	25	X		550	15	11	1	1
09	480	53	3	0.15	BLGY	70	10	20				10	20	20	X		850	10	2	11	1
10	500	53	3	0.35	GYBR	50	20	30				5	15	20	X		1950	110	11	1	1
11	520	53	3	0.30	GYBR	60	10	30				5	35	30	X		4006	35	2	1	1
12	540	53	3	0.32	YLOR	90	5	5				10	80	40	X		1.80%	55	15	2	1
13	560	53	3	0.15	GYBR	60	10	20	10			5	75	30	X		5600	50	5	2	1
14	580	53	3	0.30	YLBR	70	5	20	5			10	130	40	X		1.00%	80	12	2	1
47815	375600	53	3	0.75	ORBR	70	10	20				15	105	35	X		3.00%	25	9	1	1
		53	3																		
		53	3																		
		53	3																		
		53	3																		

E Z Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704273

Project : MT. BLACK
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLINSON CONTRACTORS
Date :

Size Fraction Analysed :
Analysed By :
Method :

46

SAMPLE NUMBER	Grid Line No 368/00N Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	DEPTH	COLOUR	Clay	Sand	Rock Frags	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe %	Mn	As	Sn	Cr
7761	374540E	53	3	0·30	BR	70	10	20				40	50	45	X		2·40%	275	9	X	1[illegible]
62	560	53	3	0·37	ORYL	70	10	20				20	30	45	X		4·80%	70	9	X	15
63	580	53	3	0·30	ORBR	70	10	20				30	55	30	X		3·60%	75	10	X	15
64	600	53	3	0·35	ORYLBR	70	10	20				60	50	85	X		5·30%	145	17	X	15
65	620	53	3	0·37	ORBR	70	10	20				35	50	50	X		4·30%	130	12	X	15
66	640	53	3	0·55	YLOR	80	10	10				25	50	50	X		6·00%	105	13	X	15
67	660	53	3	0·30	BR	70	10	20				10	30	25	X		3·20%	85	9	X	20
68	680	53	3	0·90	OR	80	10	10				50	60	105	X		7·20%	100	17	X	10
69	700	53	3	0·90	LTBR	60	20	20				5	20	15	X		3000	10	3	X	75
70	720	53	3	0·25	GYBR	80	10	10				5	15	10	X		1600	15	3	1	45
71	740	53	3	0·30	LTBR	60	20	20				35	55	60	X		5·10%	110	2	X	40
72	760	53	3	0·30	BR	40	20	40				10	25	10	X		3500	15	2	X	10
73	780	53	3	0·75	GYOR	70	10	20				10	50	20	X		9300	30	3	X	10
74	800	53	3	0·45	OR	50	40	10				40	70	95	X		6·30%	35	24	X	30
75	820	53	3	0·60	GYORBR	70	10	20				5	30	35	X		1·50%	140	5	4	20
76	840	53	3	0·45	GY	70		30				5	15	5	X		650	110	11	X	20
78	860	53	3	0·30	BR	80	10	10				LOST	SAMPLE								
79	880	53	3		LTGY							5	10	10	X		500	5	X	X	20
80	900	53	3	0·75	YLGN	70		30				40	30	70	X		4·80%	230	5	X	20
81	920	53	3	0·60	LTGNOR	90		10				5	40	25	X		8100	25	3	X	15
82	940	53	3	0·35	LTBR	80	10	10				25	40	35	X		2·10%	50	3	X	20
83	960	53	3	0·60	ORBR	70	10	20				95	75	55	X		4·80%	95	22	X	20
84	980	53	3	0·25	GYBR	70	5	15	10			25	25	20	X		1·100%	25	2	1	15
85	5000	53	3	0·30	LTBR	70	10	20				60	30	40	X		3·10%	65	4	X	20
86	020	53	3	0·30	OR	75	10	5	10			85	30	50	X		4·80%	70	4	1	30
87	040	53	3	0·30	LTBR	70	10	20				40	75	75	X		4·10%	130	8	1	15
88	060	53	3	0·60	OR	90		10				70	40	45	X		5·30%	110	8	X	15
89	080	53	3	0·30	LTBR	70	10	20				40	35	35	X		3·00%	75	2	X	15
90	100	53	3	0·20	YLOR	70	10	10	10			105	95	50	X		4·30%	95	8	1	20

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704274

Project : MT. BLACK
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLINSON CONTRACTORS
Date :

Size Fraction Analysed :
Analysed By :
Method :

47

SAMPLE NUMBER	Grid Easting (Grid Line No 367900N)	NORTHING	EASTING	DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	C…
47816	373880E	53	3	0·80	YLOR	95		5				25	45	65	X		6·30%	45	5	X	[illegible]
17	900	53	3	0·60	YLOR	70	10	20				20	40	45	X		3·80%	90	8	1	[illegible]
18	920	53	3	0·30	GRGN	80	10	10				15	50	150	X		4·00%	205	11	1	[illegible]
19	940	53	3	0·30	ORBR	70	20	10				35	45	60	0·5		5·80%	1150	11	X	7[illegible]
20	960	53	3	0·50	ORBR	90		10				20	20	115	X		5·90%	1450	2	X	15[illegible]
21	980	53	3	0·60	ORBR	70	10	20				25	20	45	X		6·10%	80	1	X	23
22	4000	53	3	0·30	ORYL	80	10	10				15	20	25	X		4·20%	60	1	X	1[illegible]
23	020	53	3	0·37	ORBR	70	10	20				20	25	40	X		5·70%	95	11	X	15
24	040	53	3	0·15	BR	60	10	10	20			25	30	35	X		5·70%	310	3	X	1[illegible]
25	050	53	3	0·30	BR	60	10	20	10			20	30	30	X		5·00%	65	2	X	21
26	080	53	3	0·75	GYBR	90		10				10	20	35	X		3·20%	45	1	X	2[illegible]
27	100	53	3	0·75	ORBR	70	10	20				30	45	70	X		8·30%	295	X	X	23
28	120	53	31	0·30	GYWN	60	25	15				10	25	10	X		5400	10	2	X	[illegible]
47829	140	53	3	0·15	BR	60	10	10	20			5	40	10	X		8700	25	11	X	[illegible]
30	160	53	3	0·30	BR	60	10	20	10			10	35	25	X		2·30%	60	3	X	4
31	180	53	3	0·15	LTBR	50	20	20	10			5	25	10	X		630	30	11	1	5
32	200	53	3	0·20	LTBRWN	40	10	40	10			10	20	15	X		1550	30	2	X	6
33	220	53	3	0·15	DKBR	60	10	20	10			25	70	80	X		2·10%	1500	41	1	4
34	240	53	3	0·15	DKBR	30	10	40	20			25	65	120	X		2·70%	3200	24	X	4
35	260	53	3	0·15	BR	60	10	20	10			15	55	35	X		2·90%	490	27	X	5
36	280	53	3	0·15	DKBR	50	10	30	10			235	130	245	0·5		8·50%	3·80%	46	X	6
37	300	53	3	0·70	BR	70	10	20				115	95	350	X		5·20%	5900	16	1	[illegible]
38	320	53	3	0·37	YLBR	60	10	30				25	75	70	X		3·10%	670	10	X	[illegible]
39	340	53	3	0·25	LTBR	70	10	20				25	65	60	X		3·00%	590	7	X	2
40	300	53	3	0·30	LTYLBR	70	10	10	10			20	30	25	X		1·80%	75	5	X	2
41	380	53	3	0·22	LTBR	70	10	20				20	50	30	X		1·40%	65	6	X	2
42	400	53	3	0·37	YLOR	70		30				30	45	55	X		6·20%	90	10	X	[illegible]
43	420	53	3	0·37	ORBR	70	10	20				35	55	80	X		5·30%	100	5	X	[illegible]
44	440	53	3	1·00	R	70	20	10				50	50	80	X		6·50%	65	10	X	[illegible]

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704275

Project : MT. BLACK
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLINSON CONTRACTORS
Date :

Size Fraction Analysed :
Analysed By :
Method :

48

SAMPLE NUMBER	Grid Line No 367900N Grid Easting	AMG CO-ORDINATES NORTHING	EASTING	DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe %	Mn	As	Sn	Cr
7845	374460E	53	3	0·30	YLBR	70	10	20				30	40	45	X		3·80%	90	5	X	20
46	480	53	3	0·45	BR	50	10	20	20			15	30	30	X		2·90%	95	3	X	15
47	500	53	3	0·30	ORLTBR	80	10	10				20	35	25	X		2·40%	140	5	X	10
48	520	53	3	0·82	OR	90		10				50	60	35	X		5·60%	80	13	X	15
49	540	53	3	0·30	LTBR	60	10	20	10			30	60	30	X		3·20%	65	7	X	20
50	560	53	3	0·62	OR	90		10				45	40	40	X		4·20%	120	5	X	10
51	580	53	3	0·30	LTBR	60	10	20	10			25	35	15	X		1·50%	135	11	X	15
52	600	53	3	0·25	YLBR	60	10	20	10			20	40	25	X		2·40%	150	14	X	15
53	620	53	3	0·30	LTBR	60	10	20	10			20	50	30	X		2·100%	65	4	X	20
54	640	53	3	0·25	YLBR	60	20	10	10			20	40	30	X		2·70%	120	3	11	20
55	660	53	3	0·37	YLBR	70	10	20				45	70	105	X		6·20%	310	6	X	15
7856	374680	53	3	1·05	GNYL	80		20				40	125	70	X		5·60%	315	6	X	15
57	700	53	3	0·37	LTBR	70	10	20				15	60	35	X		3·70%	90	5	X	20
58	720	53	3	0·90	YLBR	80		20				90	75	125	X		9·60%	95	28	X	20
59	740	53	3	0·90	OR	70	10	20				65	55	65	X		5·30%	145	8	X	10
60	760	53	3	1·20	OR	70	10	20				245	150	80	X		24 0%	60	58	X	30
61	780	53	3	0·90	ORBR	70	10	20				60	60	40	X		4·140%	30	7	X	10
62	800	53	3	0·82	LTBR	40	30	30				25	45	25	X		7200	25	2	X	20
63	820	53	3	0·30	GYORBR	70	10	20				20	35	50	X		2·20%	25	2	X	10
64	840	53	3	0·75	LTBRGY	60	10	30				40	40	60	X		1·90%	45	2	X	5
65	860	53	3	0·37	GN	60	10	20	10			30	45	60	X		2·60%	285	10	X	5
66	880	53	3	0·30	LTBR	60	10	30				15	25	20	X		4300	15	2	X	5
67	900	53	3	0·30	LTBR	70	10	20				10	20	10	X		1100	5	1	X	10
68	920	53	3	0·30	LTBR	70	10	20				15	25	15	X		2650	5	2	X	10
69	940	53	3	0·75	GYBR	70	10	20				20	25	20	X		7800	10	4	X	10
70	960	53	3	0·90	YLOR	60	30	10				75	75	65	X		5·20%	75	11	X	15
7871	374980	53	3	0·45	LTGY	70	5	20	5			20	40	15	X		8200	110	5	X	10
		53	3																		
		53	3																		

E Z Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704276

Project : MT BLACK
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLINSON CONTRACTORS
Date :

Size Fraction Analysed :
Analysed By :
Method :

49

SAMPLE NUMBER	Grid Line No 367900 Grid Easting	AMG CO-ORDINATES NORTHING	EASTING	DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe %	Mn	As	Sn	Cr
78872	375000E	53	3	0·35	LTBR	60	20	10	10			15	40	10	X		5200	5	2	3	1
73	020	53	3	0·45	ORBRGY	70	10	20				15	70	20	X		2·30%	5	17	1	1
74	040	53	3	0·25	WHGY	60	30	10				10	35	110	X		2050	5	1	2	1
75	060	53	3	0·20	BR	60	10	20	10			20	40	25	X		1500	10	2	X	1
76	080	53	3	0·25	LTBR	50	10	30	10			35	40	25	X		1·70%	115	6	11	2
77	100	53	3	0·30	BR	70	10	20				20	35	20	X		1·90%	120	3	1	2
78	120	53	3	0·35	YLBR	80		10	10			30	45	25	X		4·00%	460	6	11	2
79	140	53	3	0·30	BR	60	10	20	10			20	15	20	X		3·50%	195	8	X	7
80	160	53	3	0·25	ORBR	60	5	30	5			80	45	50	X		7·30%	730	9	1	6
81	180	53	3	0·30	ORBR	60	10	20	10			120	50	40	X		7·90%	500	14	X	8
82	200	53	3	0·15	LTBR	60	10	20	10			35	30	20	X		3·70%	165	5	1	3
83	220	53	3	0·15	ORBR	70	10	20				60	45	40	X		6·30%	630	16	X	6
84	240	53	3	0·35	OR	70	10	20				45	35	30	X		4·90%	270	13	X	5
85	260	53	3	0·45	ORBR	70	10	20				75	35	45	X		6·70%	705	5	X	3
86	280	53	3	0·46	ORBR	60	10	20				50	40	35	X		5·80%	230	11	X	3
87	300	53	3	0·60	ORBR	70	10	20				50	40	25	X		6·10%	180	18	X	3
88	320	53	3	0·30	ORBR	70	10	20				30	35	20	X		3·60%	115	10	X	2
89	340	53	3	0·30	ORBR	70	10	20				25	30	25	X		3·00%	25	9	X	2
90	360	53	3	0·90	YLBR	70	10	20				20	30	15	X		2·10%	10	7	X	1
91	380	53	3	0·15	ORBR	60	10	20	10			25	35	65	X		2·40%	550	8	X	1
92	400	53	3	0·75	OR	40	30	30				50	75	110	X		3·60%	1300	11	X	8
93	420	53	3	1·50	LTGNBR	90	10					20	35	25	X		6100	90	2	2	1
94	440	53	3	0·30	BR	50	20	30				40	30	25	X		7500	20	6	1	1
95	460	53	3	0·30	LTGY	60	10	30				10	25	15	X		3200	5	2	X	1
96	480	53	3	0·50	OR	60	10	30				30	30	20	X		3·50%	5	10	X	4
97	500	53	3	0·30	BR	60	10	20	10			50	30	20	X		4·00%	5	24	X	1
98	520	53	3	1·05	YLOR	80	15	5				30	40	25	X		3·90%	15	8	X	5
99	540	53	3	0·45	BROR	70	10	20				20	30	40	X		3·30%	5	12	X	4
900	560	53	3	0·45	YLOR	70	10	20				100	580	930	11·5		3·70%	470	25	X	2

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704277

Project : MT. BLACK
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLINSON CONTRACTORS
Date :

Size Fraction Analysed :
Analysed By :
Method :

50

SAMPLE NUMBER	Grid Line No 367900N Grid Easting	AMG Co-ordinates NORTHING	AMG Co-ordinates EASTING	DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe %	Mn	As	Sn	Cr
5901	375580E	53	3	0·15	BR	60	10	20	10			320	8400	5850	38·5		2·45%	145	500	32	5
02	600	53	3	0·17	DKBR	80	10	10				85	360	190	2·5		1·80%	105	32	20	5
03	620	53	3	0·30	BR	60	10	20	10			80	390	80	1·5		1·45%	75	21	8	3
04	640	53	3	0·30	LTBR	80	10	10				10	60	60	0·5		3500	115	10	7	14
05	660	53	3	0·45	BR	60	10	20	10			50	240	170	1·0		9550	160	9	29	1
06	680	53	3	0·15	DKBR	70	10	10	10			315	2200	1700	3·0		2·45%	1550	27	200	6
07	700	53	3	0·15	LTBR	60	10	20	10			70	600	1300	1·5		2·25%	220	23	73	3
08	720	53	3	0·40	LTBR	70	10	20				15	105	145	1·5		2500	15	5	X	[illegible]
09	740	53	3	0·15	LTBR	60	10	20	10			120	320	280	2·5		6800	105	8	11	1
10	760	53	3	0·20	LTBR	60	20	20				110	4100	1550	15·0		8300	55	170	4	6

E Z Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704278

Project : Mt. BLACK
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLINSON CONTRACTORS
Date :

Size Fraction Analysed :
Analysed By :
Method :

51

SAMPLE NUMBER	Grid Line No 5367700N / Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam.	Geology	Cu	Pb	Zn	Ag	Au	Fe %	Mn	As	Sn	Cr
9501	375700E	53 B HORZ		0·15	LTBR	60	10	20	10			X	20	25	X		700	10	8	X	20
9502	375720	53 BC HORZ		0·45	BRWH	60	20	20				X	5	10	0·5		600	5	4	X	5
9503	740	53	3	0·30	LTBR	60	20	20				5	10	25	0·5		2500	5	5	1	125
504	760	53	3	0·60	YLOR	60	20	20		trench		35	40	60	0·5		2·50%	15	3	X	45
505	780	53	3	0·30	YLBR	70	10	20				15	60	45	0·5		1·75%	15	4	X	55
506	800	53	3	0·50	OR	80	10	10		track		5	160	140	X		7·20%	15	6	1	5
507	820	53	3	0·450	RBR	70	10	20				X	40	50	X		1·50%	50	13	X	X
508	840	53 B HORZ		0·30	LTBRWH	60	10	20	10			10	170	75	1·0		3300	70	11	1	5
509	860	53 B HORZ		0·15	LTBR	70	10	20				X	15	15	0·5		2550	20	X	X	X
510	880	53 BC HORZ		0·30	WHYL	70	10	20				X	30	25	X		5500	25	13	1	5
511	900	53	3	0·60	LTBR	70	10	20				25	185	115	1·0		3650	25	11	5	X
		53	3																		
		53	3																		
		53	3																		
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E Z Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704279

Project : MT. BLACK
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLINSON CONTRACTORS
Date :

Size Fraction Analysed :
Analysed By :
Method :

52

SAMPLE NUMBER	Grid Line No 5367700N Grid Easting	AMG CO-ORDINATES NORTHING	EASTING	DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn
47971	375100E	53B	HORIZON	0·15	BR	60	10	20	10											
72	120	53B	HORIZON	0·15	BR	60	10	20	10											
73	140	53	3	0·45		80	5	10	5											
74	160	53BC	HORIZON	0·45	LTBR	70	10	20												
75	180	53BC	HORIZON	0·40	LTBR	60	20	20												
76	200	53B	HORIZON	0·15	BR	60	10	20	10											
77	220	53	3	0·40	YLBR	70	10	20												
78	240	53B	HORIZON	0·15	ORBR	60	10	20	10											
79	260	53BC	HORIZON	0·35	LTBR	70	5	20	5											
80	280	53B	HORIZON	0·15	BR	60	10	20	10											
81	300	53	3	0·30	LTBR	70	10	20												
82	320	53	3	0·30	GYORBR	70	10	20												
83	340	53	3	0·35	GYORBR	60	10	30												
47984	375360E	53	HORIZON	0·15	BR	60	10	20	10	RIVER										
85	380	53	HORIZON	0·20	GY	60	10	20	10											
86	400	53B	HORZ	0·15	GYBR	60	10	20	10											
87	420	53	3	0·40	WHGY	70		30		TRAM										
88	440	53	3		LTBROR	50	10	40		TRAM										
89	460	53B	HORZ	0·15	BR	60	10	20	10	RIVER										
90	480	53A/B	HORZ	0·15	BR	70	10	10	10	TRAM										
91	500	53	3	0·80	YLORGR	70	10	20		TRAM										
92	520	53	3	0·65	YLOR	60	20	20												
93	540	53	3	0·60	ORBR	70	10	20												
94	560	53	3	1·30	ORBRYL	50	20	30												
95	580	53	3	0·40	ORBR	70	10	20												
96	600	53	3	0·35	BR	70	5	25												
97	620	53B	HORZ	0·20		60	10	20	10											
98	640	53	3	0·40	GYBR	70	15	15												
99	660	53B	HORZ	0·15	GYBR	70	10	20												

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704280

Project : MT. BLACK
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : ~~STONES~~ SOILS
Sample Method :
Sampled By : MALLINSON CONTRACTORS
Date :

Size Fraction Analysed :
Analysed By :
Method :

53

SAMPLE NUMBER	Grid Line No 5367700N Grid Easting	AMG CO-ORDINATES NORTHING	EASTING	DEPTH m	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe %	Mn	As	Sn	C
47941	374500E	53	3	0.20	ORBR	70	10	20				10	30	55	0.5		3.10%	425	10	X	2
42	520	53	3	0.40	YLORBR	50	10	30	10			15	40	50	0.5		2.20%	100	10	X	2
43	540	53	3	0.20	BR	60	10	20	10			30	75	115	0.5		3.65%	550	8	3	3
44	560	53	3	0.25	BR	60	20	10	10			20	60	90	1.0		5.10%	235	8	X	3
45	580	53	3	0.30	ORBR	70	10	20				30	20	115	0.5		4.80%	905	5	X	2
46	600	53	3	0.45	OR	80	10	10				30	30	80	0.5		3.30%	430	12	X	2
47	620	53	3	0.70	YLBR	70	10	20				50	50	85	X		4.00%	355	16	X	4
48	640	53	3	0.75	OR	70		30				40	40	90	0.5		3.95%	215	11	X	3
49	660	53	3	0.75	ORBR	60	10	30				55	55	75	0.5		4.65%	110	12	X	3
50	680	53	3	0.25	ORBR	50	30	10	10			35	35	70	0.5		3.75%	90	11	X	3
51	700	53	3	0.30	BR	60	10	20	10			10	25	40	X		2.35%	70	5	X	1
52	720	53	3	0.25	BRGY	60	10	20	10			10	50	50	1.0		1.55%	120	3	1	
53	740	53	3	0.75	YLBR	70	10	20				30	65	50	0.5		3.55%	75	9	3	2
54	760	53	3 CREEK	0.30	GYBROR	50	10	40				10	35	35	0.5		1.30%	60	5	X	2
55	780	53	3	0.15	LTBR	60	10	20	10			5	30	115	0.5		3850	115	X	1	2
56	800	53	3	0.80	YLBR	70	20	10				20	50	80	0.5		3.90%	100	6	X	2
57	820	53	3	0.15	LTBR	60	10	20	10			5	20	20	0.5		4450	115	2	2	1
58	840	53	3	0.40	LTBROR	60		40				10	25	45	0.5		2.00%	45	3	1	2
59	860	53	3	0.30	YLBR	70	10	20				10	25	40	0.5		2.65%	40	5	X	3
60	880	53	3	0.60	BR	60	20	10	10			10	10	15	0.5		1.25%	20	2	1	3
61	900	53	3	0.45	LTBRGY	70	10	20				X	45	10	1.0		3150	110	X	1	3
62	920	53	3	0.25	GYGNBR	40	10	50				5	20	10	1.0		2850	10	X	X	2
63	940	53	3	0.30	LTBRGY	50	20	30				X	10	10	0.5		1350	5	X	1	2
64	900	53	B or C HORIZON	0.30	LTBR	60	10	20	10												
65	930	53	A+B HORIZON	0.30	BR	60	10	20	10												
66	5000	53	B+C HORIZON	0.30	BR	60	10	20	10												
67	020	53	B HORIZON	0.30	BR	60	10	20	10												
68	040	53	BC HORIZON	0.30	LTBR	70	10	20													
69	000	53	3	0.30	BR	70	10	20													

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704281

Project : MT. BLACK
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLINSON CONTRACTORS
Date :

Size Fraction Analysed :
Analysed By :
Method :

54

Sample Location Data					Sample Composition Data							METAL CONTENT (ppm unless specified)									
SAMPLE 5/ NUMBER	Grid Line No 367700 Grid Easting	AMG CO-ORDINATES NORTHING	EASTING	DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe %	Mn	As	Sn	C
479.11	373900E	53	3	0.30	LTBR	60	10	20	10			X	30	20	0.5		450	5	3	X	4
12	920	53	3	0.40	LTBR	50	20	20	10			10	10	35	X		550	15	2	X	4
13	940	53	3	0.30	GY	60	10	20	10			5	10	110	1.0		500	5	1	X	3
14	960	53	3	0.30	GYWH	50	20	20	10			5	5	20	0.5		600	15	X	4	4
15	980	53	3	1.20	ORBR	70	10	20				15	20	35	X		3.65%	45	39	X	4
16	4000	53	3	0.60	OR	60	10	10				15	50	95	1.0		3.90%	135	17	X	3
17	020	53	3		BR	70	10		20	RIVER		305	990	2650	31.5		3.10%	500	460	5	3
18	040	53	3	0.35	LTBR	60	30	10				5	10	15	0.5		800	140	3	4	4
19	060	53	3	0.50	BR	60	10	30				X	5	10	0.5		1450	5	X	2	4
20	080	53	3	0.30	LTBR	50	20	30				5	10	10	1.0		1300	5	X	3	2
21	100	53	3	0.10	DKBR	50	20	20	10	RIVER		25	40	155	1.0		3.25%	310	17	2	3
22	120	53	3	0.35	YLGRBR	90	10					20	25	55	X		2.80%	115	8	2	2
23	140	53	3	0.30	BR	70	10		20			40	65	80	1.0		3.70%	315	14	6	5
24	160	53	3	0.30	ORBR	80		10	10			35	45	50	0.5		3.10%	80	10	X	3
25	180	53	3	0.30	ORBR	60	10	20	10			115	35	30	1.0		2.30%	135	6	X	3
26	200	53	3	0.90	YLOR	60	20	20		WATER RACE		110	45	50	0.5		5.40%	135	3	X	2
27	220	53	3	1.00	ORBR	70	10	20				90	15	150	0.5		10.10%	105	15	X	5
28	240	53	3	0.40	LTBR	70	15	5	5			20	20	30	0.5		1.70%	30	5	X	4
29	260	53	3	0.60	ORBR	70	10	20				95	30	110	X		15.0%	480	72	X	14
30	280	53	3	0.45	WHBR	70	20	10				5	10	115	0.5		1550	30	6	X	3
31	300	53	3	0.30	GYBR	70	10	20				5	20	115	1.5		1.05%	85	66	2	2
32	320	53	3	0.53	YLBR	70	10	10	10	RIVER		95	305	460	2.0		3.75%	1400	55	2	2
33	340	53	3	0.15	BR	50	20	10	20			25	60	100	0.5		4.35%	350	11	5	2
34	360	53	3	0.30	DK	60	5	30	5			15	140	90	0.5		2.15%	1300	17	1	1
35	380	53	3	0.20	ORBR	70	10	20				30	65	85	0.5		3.85%	210	10	1	3
36	400	53	3	0.35	ORBR	70	10	15	5			45	45	110	1.0		3.75%	470	13	3	3
37	420	53	3	0.40	BR	60	10	20	10			50	80	125	0.5		3.30%	715	12	1	2
38	440	53	3	0.50	OR	80	10	10				35	135	75	0.5		3.40%	135	11	X	3
39	460	53	3	0.45	ORBR	70	10	20				55	80	115	0.5		5.15%	195	15	X	3

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704282

Project : Mt. Black
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLISON CONTRACTORS
Date :

Size Fraction Analysed :
Analysed By :
Method :

55.

SAMPLE NUMBER	Grid Line No 5367500N Grid Easting	AMG CO-ORDINATES NORTHING	EASTING	DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe %	Mn	As	Sn	Cr
39708	374020E	53																			
709	374000	53	3																		
710	373980	53 AB	HORZ	0·15	OR	50	20	30		TRAM		160	130	320	2·0		10·5%	7400	40	3	5
711	960	53 B	HORZ	0·15	ORBR	60	15	20	5			15	45	40	0·5		2·80%	80	20	20	3
712	940	53 B	HORZ	0·40	GYBR	50	20	30				5	5	20	0·5		3150	5	7	11	3
713	920	53 B	HORZ	0·30	WHBR	50	30	20				X	X	110	X		700	X	3	2	2
714	900	53	3	0·50	ORGY	70	20	10				X	35	115	X		7100	110	13	11	3
715	880	53	3	0·50	ORYL	70	20	10				5	50	25	X		1·50%	110	9	11	2
716	860	53	3	0·40	YLOR	70	10	20				5	40	40	X		1·35%	115	7	X	2
717	840	53 AB	HORZ	0·40	ORBR	40	10	30	20			30	80	135	X		2·55%	100	28	11	7
718	820	53 B	HORZ	0·15	ORBR	60	20	10	10			20	40	105	0·5		4·80%	115	13	2	30
719	800	53	3	1	DKBR	60	20	20		RIVER		15	35	115	0·5		1·60%	185	12	X	24
720	780	53	3	0·50	WHGYOR	80	10	10				20	30	30	0·5		3·10%	45	4	11	3
721	760	53 B	HORZ	1·00	YLOR	90	5	5				15	20	30	X		4·40%	85	3	X	3
39722	373740	53 B	HORZ	1·35	YLOR	90	10			TRAM		25	50	100	X		2·30%	25	10	X	3

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704283

Project : Mt. Black
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLISON CONTRACTORS
Date :

Size Fraction Analysed :
Analysed By :
Method :

56

SAMPLE NUMBER	Grid Line No 5367500N Grid Easting	AMG CO-ORDINATES NORTHING	EASTING	DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe	Mn	As	Sn	Cr
39599	374060E	53B HORZ		0·25	DKBR	70	5	20	5			70	50	55	X		5·55%	375	14	11	10
600	040	53 DUNDAS LINE		0·15	BR	60	10	20	10			150	215	260	1·0		5·75%	1800	37	5	8

Sample Location Data / Sample Composition Data / METAL CONTENT (ppm unless specified)

E Z Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704284

Project : Mt. Black
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLISON CONTRACTORS
Date :

Size Fraction Analysed :
Analysed By :
Method :

57

SAMPLE NUMBER	Sample Location Data: Grid Line No 5367500N Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	DEPTH	COLOUR	Sample Composition Data: Clay	Sand	Rock Frags.	Organic	Contam	Geology	METAL CONTENT (ppm unless specified): Cu	Pb	Zn	Ag	Au	Fe %	Mn	As	Sn	Cr
39570	374640E	53 A+B	HORZ	0.15	LTBR	60	10	20	10			35	80	95	X		2.70%	880	14	X	3
571	620	53 A+B	HORZ	0.30		60	10	20	10			15	75	55	X		1.50%	105	5	1	2
572	600	53 B	HORZ	0.30	LTBR	60	10	20	10			10	35	35	0.5		1.10%	105	8	X	2
573	580	53 B+A	HORZ	0.20	DKBR	60	10	20	10			30	90	75	X		2.35%	260	14	4	3
574	560	53 A+B	HORZ	0.30	ORBR	70	10	20				50	60	160	0.5		3.45%	1350	12	1	4
575	540	53	3	0.30	BR	50	5	40	5			40	120	70	0.5		2.85%	360	27	X	2
576	520	53	3	0.45	ORBR	70	10	20				25	70	105	X		3.65%	990	11	5	3
577	500	53	3	0.30	ORBR	70	10	20				30	55	215	X		5.10%	885	4	X	2
578	480	53	3	0.40	ORBR	70	10	20				30	140	105	X		3.75%	490	12	2	3
579	460	53 B	HORZ	0.15	BR	70	10	20				25	150	105	X		3.05%	840	11	2	2
580	440	53 B	HORZ	0.15	BR	60	10	20	10			15	75	65	X		2.40%	665	12	X	3
581	420	53 B	HORZ	0.40	ORBR	60	10	20	10			50	95	105	X		4.10%	1250	15	X	5
582	400	53 B	HORZ	0.20	BR	60	10	20	10			35	85	85	0.5		3.60%	1600	20	1	4
39583	374380	53 B	HORZ	0.20	BR	60	10	20	10			35	95	110	0.5		3.65%	1300	12	X	2
584	360	53	3	0.45	ORBR	70	10	20				20	35	105	0.5		4.40%	255	4	X	1
585	340	53	3	0.40	ORBR	70	10	20				15	50	45	0.5		2.45%	145	6	1	2
586	320	53	3	0.50	ORBR	70	10	20				15	45	50	X		4.20%	110	6	X	2
587	300	53 A	HORZ	0.30	BR	20			80			15	80	40	0.5		8500	145	3	X	
588	280	53 B	HORZ	0.30	ORBR	70	10	20				10	75	45	X		3.05%	55	10	1	2
589	260	53 B	HORZ	0.45	ORBR	70	10	20				15	50	40	X		5.60%	55	29	1	7
590	240	53	3	0.15	BR	50		50		Old Mine Tailings		2550	1450	105	990*		14.15%	475	1.70%	X	7
591	220	53 B	HORZ	0.45	ORBR	50	10	20	20			300	120	235	40.5		9.80%	8200	1000	1	8
592	200	53 DUNDAS LINE										100	30	50	3.5		5.60%	90	120	X	7
593	180	53 B	HORZ	0.15	LTBR	60	10	20	10			50	30	45	1.0		3.70%	105	33	X	8
594	160	53 B	HORZ	0.20	ORBR	70	10	20				25	15	20	0.5		2.60%	45	23	X	9
595	140	53	3	0.45	LTBR	70	10	20				40	10	50	1.0		3.30%	75	20	X	7
596	120	53 B	HORZ	0.20	LTBR	70	10	20				20	35	60	0.5		2.60%	55	21	1	5
597	100	53 B	HORZ	0.30	BR	60	10	20	10			95	45	170	X		4.75%	1150	20	1	7
39598	374080	53	3	0.75	ORBR	70	10	20				45	15	55	0.5		5.70%	55	18	X	11

E Z Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704285

Project : Mt. Black
Locality :
Grid Name : DATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLISON CONTRACTORS
Date :

Size Fraction Analysed :
Analysed By :
Method :

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SAMPLE NUMBER	Grid Line No 5367500N Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	Ag	Au	Fe %	Mn	As	Sn	Cr
39541	375220E	53B	HORZ	0.15	BR	60	10	20	10			65	70	265	0.5		7.85%	1450	17	X	6
542	200	53	3	0.40	OR	70	10	20				165	65	145	1.0		10.0%	1850	35	X	25
543	180	53B	HORZ	0.15	ORBR	60	10	20	10			110	45	105	0.5		6.75%	740	27	1	9
544	160	53	3	0.30	ORRD	70	10	20				165	80	145	1.0		9.80%	630	18	X	20
545	140	53	3	0.30		60	10	20	10			110	100	170	0.5		7.85%	565	20	X	19
546	120	53BC	HORZ	0.30	OR	70	10	20				115	75	155	0.5		7.85%	835	19	X	16
547	100	53B	HORZ	0.15	ORBR	70	10	20				110	110	180	0.5		7.85%	1450	19	X	13
548	080	53BC	HORZ	0.45	BROR	60	10	30				120	90	230	0.5		7.65%	1350	25	X	14
549	060	53B	HORZ	0.15		70	10	20				115	75	190	1.0		8.10%	995	29	X	15
550	040	53BC	HORZ	0.45	DBRD	60	15	15	10			80	85	110	1.0		9.35%	475	21	X	15
551	020	53B	HORZ	0.15	ORBR	70	10	20				40	70	70	X		7.15%	220	13	X	14
552	375000	53BC	HORZ	0.20	YLBR	60	15	20	5			25	45	75	0.5		7.00%	160	17	X	10
553	374980	53	3	0.15	ORBR	70	10	20		ROAD		30	35	60	1.0		5.30%	100	11	1	11
39554	960	53	3	0.90	ORBR	60	20	20				125	105	70	X		11.5%	170	38	X	6
555	940	53	3	0.75	YLBR	70	10	20				30	40	155	X		8.90%	170	9	X	5
556	920	53	3	0.30	ORBR	70	10	20				25	40	80	0.5		7.15%	55	7	X	11
557	900	53	3	0.30	ORBR	70	10	20				40	55	60	1.0		8.50%	90	14	X	15
558	880	53B	HORZ	0.18	BR	60	10	20	10			40	95	65	1.0		5.10%	175	17	X	9
559	860	53A+B	HORZ	0.10	ORBR	60	10	20	10			70	65	110	1.0		8.65%	700	19	X	12
560	840	53B	HORZ	0.15	ORBR	70	10	20		CREEK		100	90	155	0.5		10.0%	6100	20	X	22
561	820	53B	HORZ	0.30	BR	70	10	20				70	80	175	0.5		4.40%	5200	22	1	5
562	800	53A+B	HORZ	0.30	BR	60	10	20	10			55	110	85	1.0		3.55%	970	28	1	4
563	780	53B	HORZ	0.20	ORBR	70	10	20				30	50	95	0.5		3.25%	235	13	1	2
564	760	53	3	0.60	ORBR	70	10	20				25	45	70	X		4.40%	75	28	X	2
565	740	53	3	0.40	LTBROR	70	10	20				5	30	25	X		1.70%	40	7	1	1
566	720	53	3	0.90	ORBR	70	5	25				45	70	105	0.5		6.05%	85	21	8	4
567	700	53B	HORZ	0.30	ORBRGY	70	10	20				10	35	35	X		2.10%	35	17	2	2
568	680	53B	HORZ	0.90	BRGY	50	20	20	10			10	35	35	X		1.05%	30	6	X	1
39569	374660	53B	HORZ	0.40	BR	70	5	20	5	CREEK		40	90	120	1.0		3.60%	5750	20	3	3

E. Z. Co. of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704286

Project : Mt. Black
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLISON CONTRACTORS
Date :

Size Fraction Analysed :
Analysed By :
Method :

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SAMPLE NUMBER	Sample Location Data: Grid Line No 5367500N, Grid Easting	AMG CO-ORDINATES: NORTHING	AMG CO-ORDINATES: EASTING	DEPTH	COLOUR	Sample Composition Data: Clay	Sand	Rock Frags.	Organic	Contam.	Geology	METAL CONTENT (ppm. unless specified): Cu	Pb	Zn	Ag	Au	Fe %	Mn	As	Sn	Cr
39512	375800E	53	3	0·40	OR WH	75	20	5				X	25	10	0·5		5800	40	2	X	2
513	780	53	3	0·30	LT BR	70	10	20				X	5	10	X		850	15	X	X	2
514	760	53 BC	HORZ	0·25	OR	60	10	30				5	25	25	0·5		1·05%	X	7	X	X
515	740	53 A/BC	HORZ	0·10	BR	60	10	20	10	[illegible] tailings		15	150	105	0·5		2·50%	20	16	1	X
516	720	53	3	0·35	OR BR	80	10	10				10	10	10	X		9000	810	20	X	2[illegible]
517	700	53	3	0·30	LT BR	70	10	20				X	X	10	X		550	110	2	X	11[illegible]
518	680	53	3	0·45	LT BR BL	60	10	30				5	5	5	0·5		850	X	X	2	1[illegible]
519	660	53	3	0·45	LT BR	70	10	20				X	5	5	0·5		500	5	X	X	1[illegible]
520	640	53	3	0·50	BR	70	20	10				X	5	5	0·5		450	X	X	X	1[illegible]
521	620	53	3	0·40	LT BR	70	10	20				X	X	25	0·5		600	5	8	X	41[illegible]
522	600	53	3	0·40	WH	70	20	10				X	10	10	0·5		550	X	X	X	19[illegible]
39523	375580	53	3	0·45	GY BR	70	10	20				X	25	15	0·5		2950	10	3	X	6[illegible]
524	560	53 BC	HORZ	0·35	OR	50	20	30				20	30	55	0·5		3·25%	35	6	X	2[illegible]
525	540	53	3	0·30	LT BR	60	10	20	10			5	35	45	0·5		2·15%	55	4	X	2[illegible]
526	520	53	3	0·15	BR	50	10	30	10	TRAM		40	170	170	4·0		3·30%	480	170	11	1[illegible]
527	500	53 B	HORZ	0·15	BR	60	10	20	10	RIVER		315	1950	2500	10·0		4·40%	8550	320	1	1[illegible]
528	480	53	3	1·10	OR R DBR	80	10	10				15	80	80	X		4·60%	160	12	X	1[illegible]
529	460	53		0·45	OR BR	70	10	20				55	80	40	X		6·00%	65	61	X	2[illegible]
530	440	53 B	HORZ	0·75	YL GR	85	10	5				20	35	75	X		2·95%	115	12	X	2[illegible]
531	420	53	3	0·15	BR	50		50		CREEK		100	40	165	X		5·00%	210	11	X	4[illegible]
532	400	53	3	0·55	GR OR	80	15	5				30	15	40	X		2·10%	35	9	X	2[illegible]
533	380	53	3	1·50	OR BR	70	10	20				65	20	45	X		5·45%	65	19	X	2[illegible]
534	360	53	3	0·95	OR YL	50	30	20				20	25	15	X		2·30%	15	11	11	2[illegible]
535	340	53 BC	HORZ	0·30	LT BR	70	10	20				15	5	10	X		9100	10	5	X	4[illegible]
536	320	53	3	0·40	LT BR OR	70	20	10				5	10	5	0·5		5100	5	11	2	3[illegible]
537	300	53 BC	HORZ	0·15	OR LT BR	60	10	20	10			10	30	10	X		8700	5	6	X	15
538	280	53	3	0·30	YL	60	20	10	10	[illegible]		15	21	20	X		2·55%	35	5	X	25
539	260	53	3	0·30	OR	80	10	10				40	35	45	X		4·35%	115	8	X	7[illegible]
[illegible]	[illegible]	53 B[illegible]	HORZ	0·30	OR BL	80	5	10	5	RIVER		20	25	55	X		5·40%	155	5	X	10[illegible]

E.Z. Co of A'Asia Ltd
Rosebery Tas.

GEOCHEMICAL SAMPLE DATA SHEET

704287

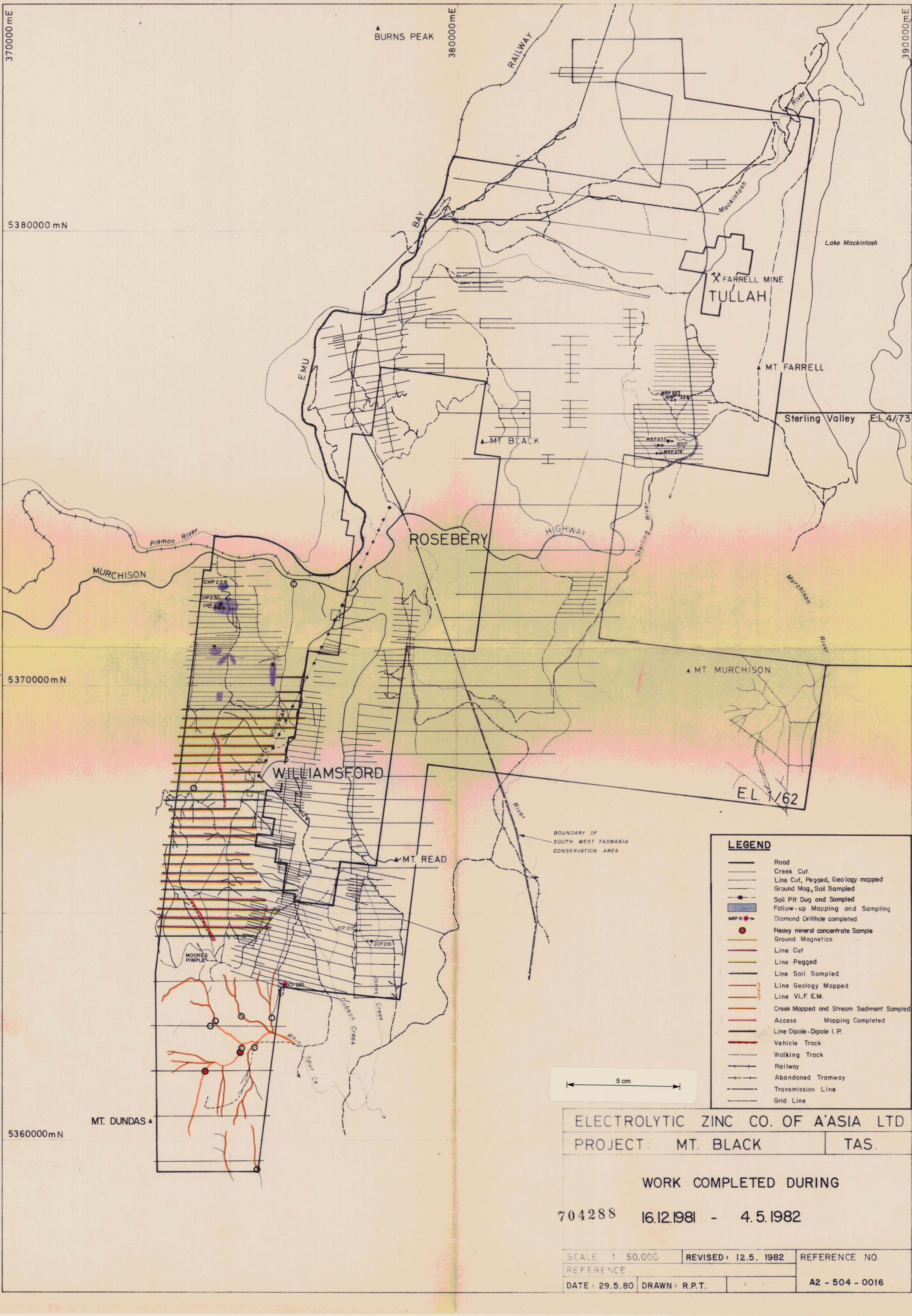
Project : Mt. Black
Locality :
Grid Name : NATONE GRID
Nominal Grid Azimuth :

Material : SOILS
Sample Method :
Sampled By : MALLISON CONTRACTORS
Date :

Size Fraction Analysed :
Analysed By :
Method :

60

SAMPLE NUMBER	Grid Line No 5367300N Grid Easting	AMG CO-ORDINATES NORTHING	AMG CO-ORDINATES EASTING	DEPTH	COLOUR	Clay	Sand	Rock Frags.	Organic	Contam	Geology	Cu	Pb	Zn	An	Au	Fe %	Mn	As	Sn	Cr
39723	375200E	53B	HORZ	0·15	ORBR	70	10	20		TRAM		535	105	450	0·5		14·10%	5400	29	1X	5
724	180	53B	HORZ	0·45	ORBR	60	10	30				45	50	290	0·5		5·25%	2900	30	X	4
725	160	53B	HORZ	0·30	ORBR	60	10	20	10	RIVER		460	500	305	2·0		7·80%	2750	41	1	3
726	140	53B	HORZ	0·20	BR	30	20	40	10			115	120	820	0·5		6·00%	2050	16	11	12
727	120	53	3	0·30	ORBR	70	10	20				135	105	240	0·5		8·50%	1400	30	X	18
728	100	53	3	0·35	BROR	60	10	30				160	535	900	1·0		7·30%	2200	36	X	10
729	080	53B	HORZ	0·30	DKBR	60	10	20	10			80	425	280	0·5		4·80%	295	21	X	5
730	060	53B	HORZ	0·35	BR	90	5	5				145	310	1010	0·5		6·60%	2850	27	11	7
731	040	53B	HORZ	0·20	ORBR	70	10	20				205	520	900	1·0		7·25%	2550	32	1	9
732	020	53B	HORZ	0·45	ORBR	70	10	20				165	445	795	1·5		9·30%	1150	60	1	10
733	375000	53B	HORZ	0·15	DKBR	40		40	20												
734	374980	53B	HORZ	0·20	BR	50	10	30	10												
39735	960	53B	HORZ	0·20	BR	60	10	20	10												
736	940	53B	HORZ	0·20	ORRDBR	70	10	10	10												
737	920	53B	HORZ	0·15	DKBR	60	10	20	10												
738	900	53B	HORZ	0·30	BR	70	10	10	10												
739	880	53B	HORZ	0·15	BR	60	10	20	10												
740	860	53B	HORZ	0·30	ORBR	70	10	10	10												
741	840	53	3	0·45	ORBR	70	10	20													
742	820	53B	HORZ	0·30	ORBR	60	10	20	10												
743	800	53	3	0·25	BR	70	10	20													
744	780	53B	HORZ	0·30	BR	60	10	20	10												
745	760	53	3	0·30	ORBR	70	10	20													
746	740	53B	HORZ	0·35	ORBR	70	10	20													
747	720	53B	HORZ	0·20	BR	60	10	20	10	RIVER											
748	700	53B	HORZ	0·15	GYBR	60	20	20													
749	680	53	3	0·30	GYBR	70	10	20													
750	650	53	3	0·40	ORBR	70	10	20													
751	374640	53	3	0·30	LTBRGY	70	10	20		TRAM											


370000mE
380000mE
390000mE
BURNS PEAK
RAILWAY
River
Mackintosh
Lake Mackintosh
FARRELL MINE
TULLAH
BAY
EMU
5380000mN
MT FARRELL
Sterling Valley E.L.4/73
MT BLACK
Pieman River
ROSEBERY
HIGHWAY
Sterling River
Murchison River
MURCHISON
CHP 229
CHP 230
CHP
5370000mN
MT MURCHISON
Stitt
WILLIAMSFORD
E.L. 1/62
River
BOUNDARY OF
SOUTH WEST TASMANIA
CONSERVATION AREA
MT. READ
JCP 211
JCP 216
MOORES PIMPLE
Dobson Creek
Jones Creek
White Spur Ck
MT. DUNDAS
5360000mN
5 cm
LEGEND
Road
Creek Cut.
Line Cut, Pegged, Geology mapped
Ground Mag, Soil Sampled
Soil Pit Dug and Sampled
Follow-up Mapping and Sampling
Diamond Drillhole completed
Heavy mineral concentrate Sample
Ground Magnetics
Line Cut
Line Pegged
Line Soil Sampled
Line Geology Mapped
Line V.L.F. E.M.
Creek Mapped and Stream Sediment Sampled
Access Mapping Completed
Line Dipole-Dipole I.P.
Vehicle Track
Walking Track
Railway
Abandoned Tramway
Transmission Line
Grid Line
ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
PROJECT: MT. BLACK TAS.
WORK COMPLETED DURING
704288
16.12.1981 - 4.5.1982
SCALE 1 : 50,000
REVISED: 12.5.1982
REFERENCE NO.
REFERENCE
DATE: 29.5.80
DRAWN: R.P.T.
A2 - 504 - 0016

NOTES:

1. WHITE SPUR (Dobson's Creek Grid) Pegs on lines 00S; 800S; 1600S; etc; were replaced during 1980. Lines 2800S; 3600S; & 4400S. were cut during 1980 and accurately pegged. Pegs numbered on Howard's track have been surveyed. All pegging is East & West of Base Line marked 00W.

COMPILATION OF MAPPING
SOURCES OF INFORMATION:

WHITE SPUR (DOBSON'S CREEK GRID) - E.Z. GEOL. DEPT. REPORTS 108 & 109.

ROAD MAPPING BY: - R. WILLIAMS.
- N. HANSON.
- P. KOMYSHAN.
- F. FITZGERALD.

704289

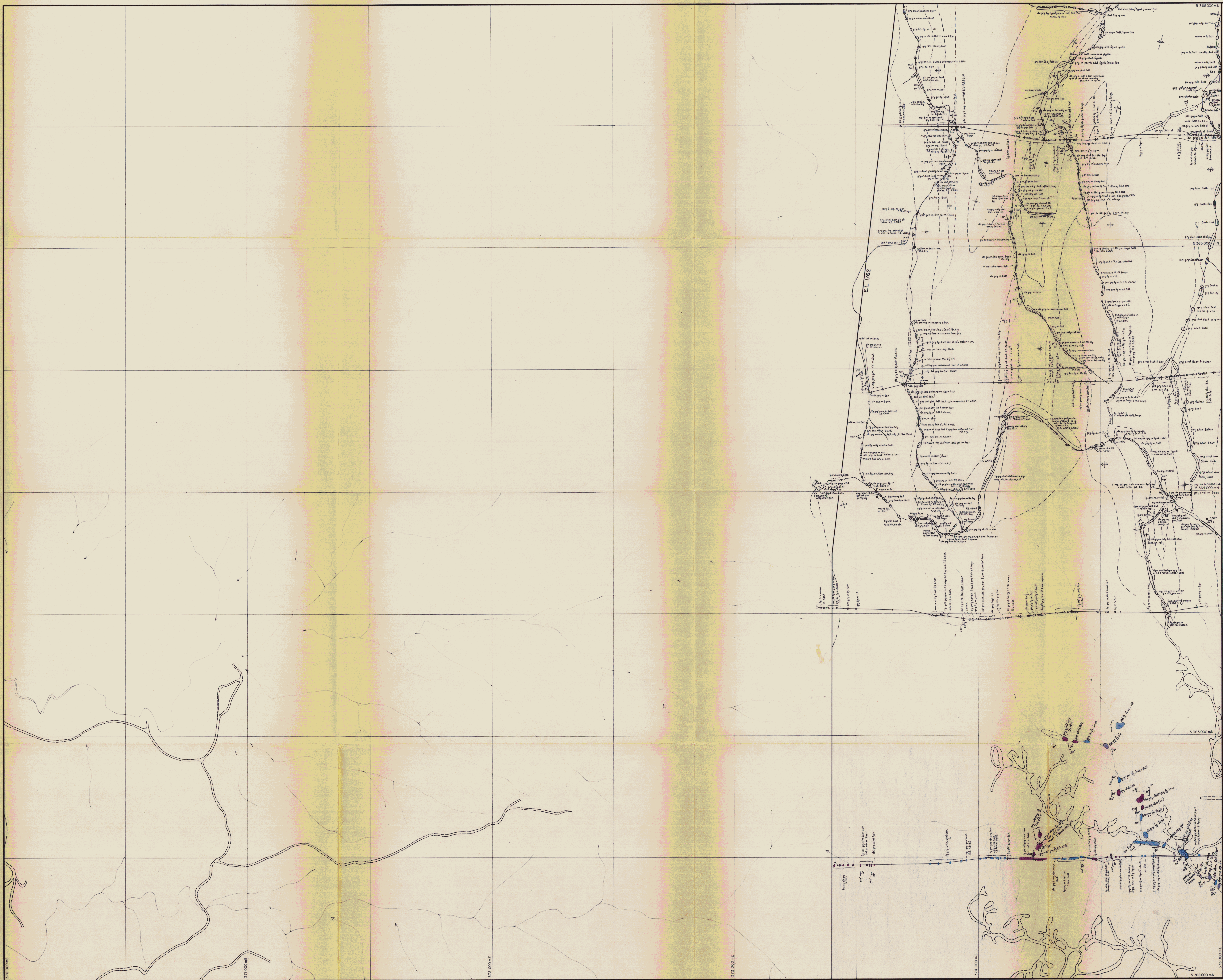
ELECTROLYTIC ZINC CO. OF A ASIA. LTD.

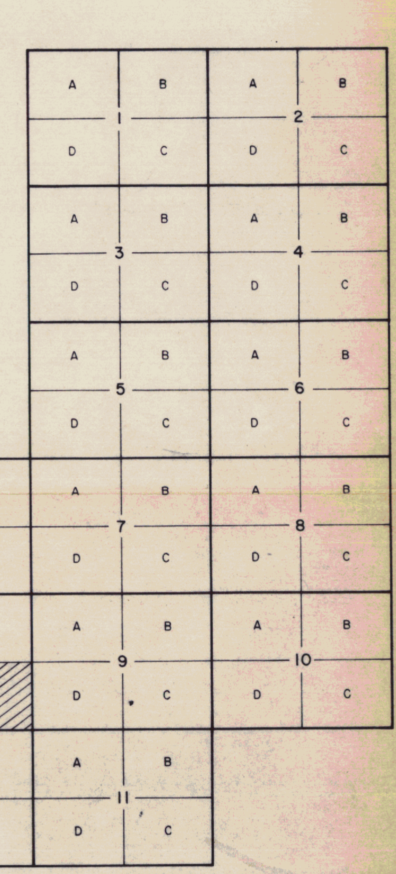
PROJECT: MT. BLACK	TAS.

GEOLOGY

SCALE: 1:5000	Survey: J.M./ RJW	Revised: 26/5/81
Reference:	Date:	REF. NO.
Drawn: R.P.T.	Checked:	A0 - 504 - 0124

E Z PLAN CABINET TRIM LINE





ELECTROLYTIC ZINC CO. OF A ASIA. LTD.	
PROJECT: MT. BLACK E.L. 1/62	TAS.

GEOLOGY

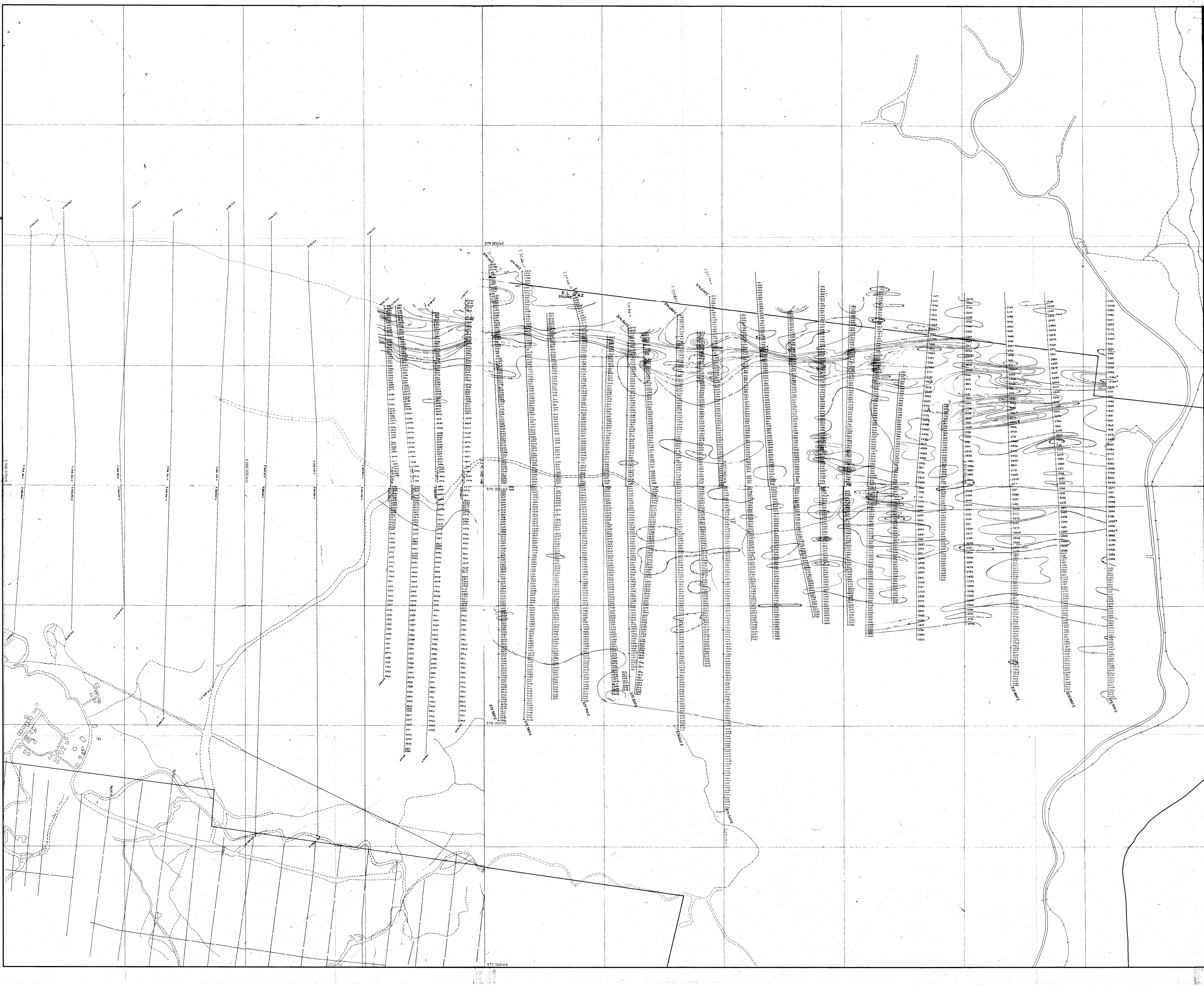
704290

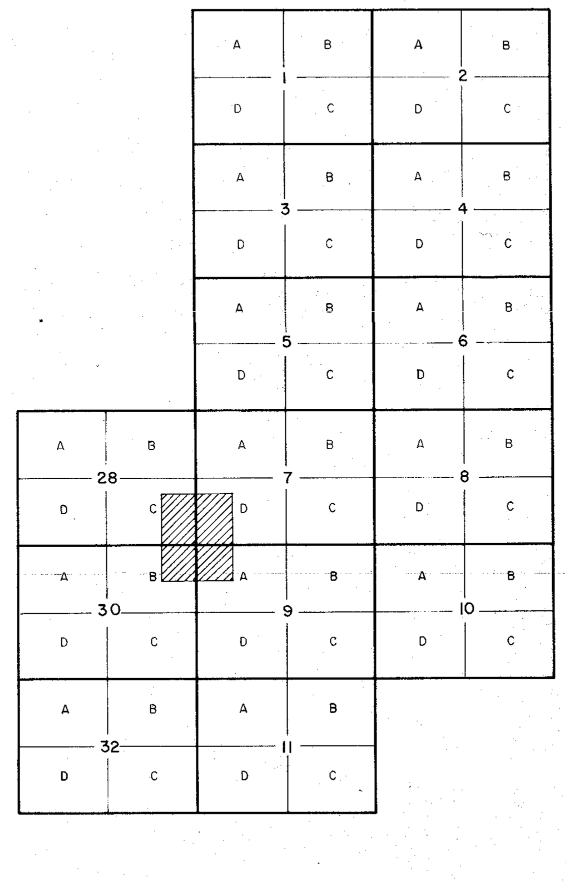
SCALE: 1:5000	Survey: R.J.W.	Revised:
Reference:	Date: 31-3-1981	REF. NO.
Drawn: R.T.	Checked:	A0-504-0172

E Z PLAN CABINET TRIM LINE


5 362 000 mN
5 361 000 mN
5 360 000 mN
5 359 000 mN
5 358 000 mN
375 000mE
376 000mE
377 000mE
378 000mE
379 000mE
380 000mE
A B A B
1 2
D C D C
3 4
5 6
28 7 8
30 9 10
32 11
ELECTROLYTIC ZINC CO. OF A ASIA. LTD.
PROJECT: MT. BLACK E.L. 1/62
TAS.
704291
GEOLOGY
5 cm
SCALE: 1:5000
Survey: R.J.W.
Revised:
Reference:
Date: 23·4·1981
REF. NO.
Drawn: R.T.
Checked:
AO-504-0173
E.Z. PLAN CABINET TRIM LINE


5 362 000 mN
5 361 000 mN
5 360 000 mN
5 359 000 mN
5 358 000 mN
370 000 mE
371 000 mE
372 000 mE
373 000 mE
374 000 mE
375 000 mE
MT. DUNDAS
ELECTROLYTIC ZINC CO. OF A ASIA. LTD.
PROJECT: MT. BLACK E.L. 1/62
TAS.
704292
GEOLOGY
5 cm
SCALE: 1:5000
Survey: R.J.W.
Revised:
Reference:
Date: 23 · 4 · 1981
REF NO.
Drawn: R.T.
Checked:
A0 - 504 - 0174
E Z PLAN CABINET TRIM LINE





ELECTROLYTIC ZINC CO. OF A ASIA. LTD.

PROJECT: MT. BLACK	TAS.

COLEBROOK HILL

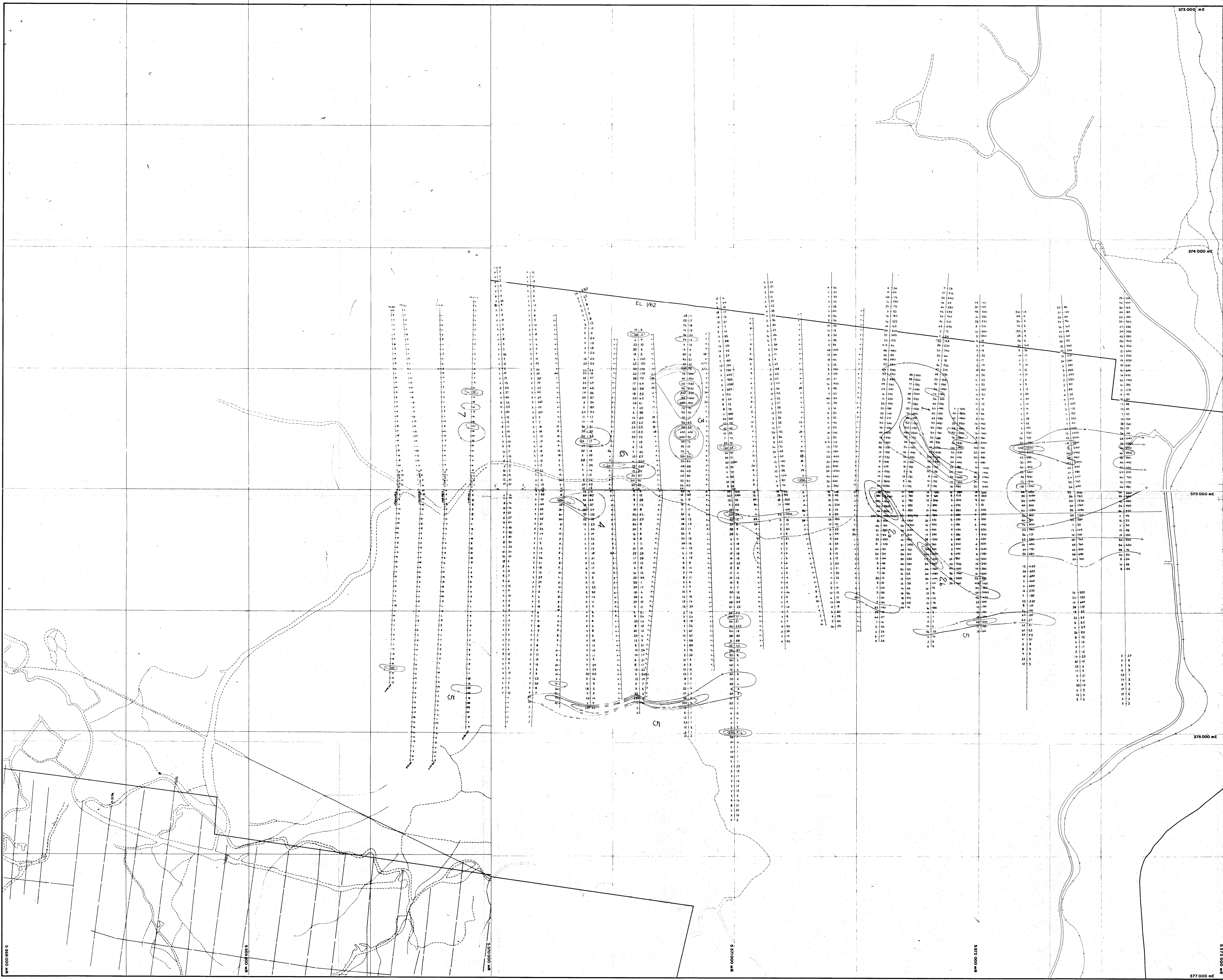
704293 SPECIAL SHEET

GROUND MAGNETICS

5 cm

SCALE: 1:5000	Survey: I. Mat.	Revised:
Reference:	Date: 12.5.1982	REF. NO. A0-504-0231
Drawn: Nik.	Checked:	

E Z PLAN CABINET TRIM LINE



5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA. LTD.

PROJECT: MT. BLACK	TAS.

COLEBROOK HILL

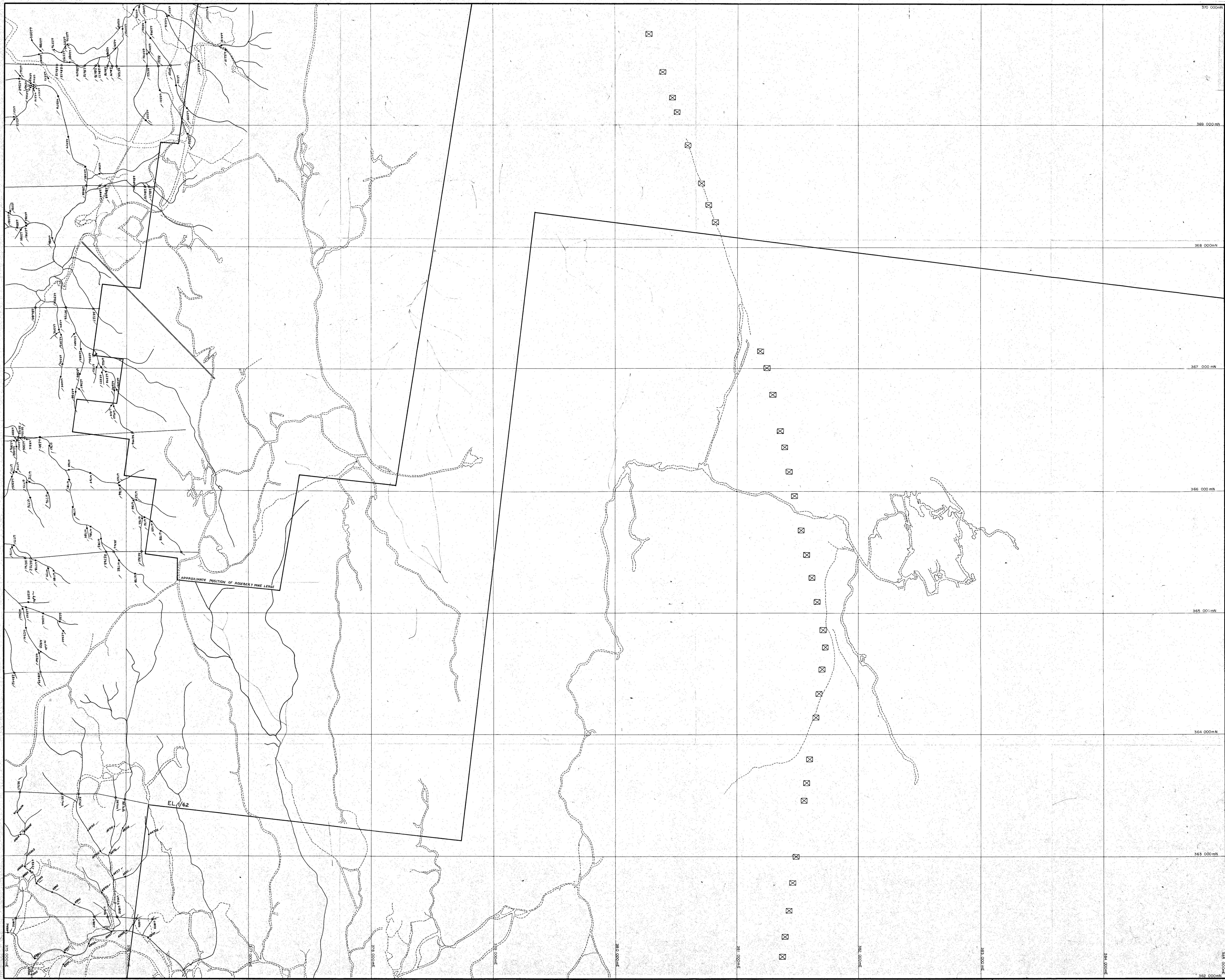
704294 SPECIAL SHEET

SOIL GEOCHEMISTRY

- Sn -

SCALE: 1:5000	Survey: I. Mat.	Revised:
Reference:	Date: 7.1.1982	REF. NO. A0-504-0194
Drawn: Nik.	Checked:	

E.Z. PLAN CABINET TRIM LINE

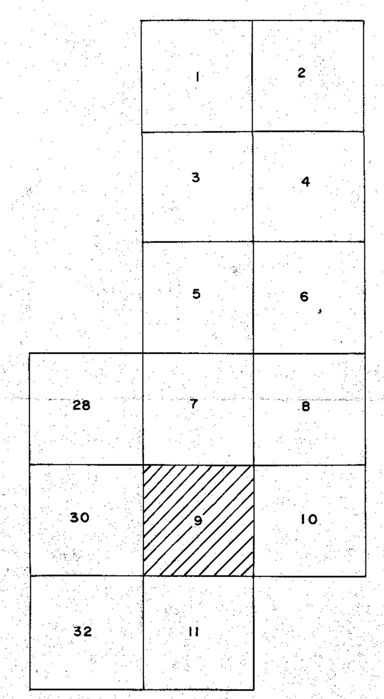


LEGEND

Stream Sediment Sampled in conjunction with grid line pegging by E.Z. field assistants (1980–1981)

Stream Sediment Sampled in conjunction with geological mapping of streams. (1981/82)

Heavy mineral pan concentrate sample (1981)



5 cm

ELECTROLYTIC ZINC CO. OF A ASIA. LTD.

PROJECT: MT. BLACK	TAS

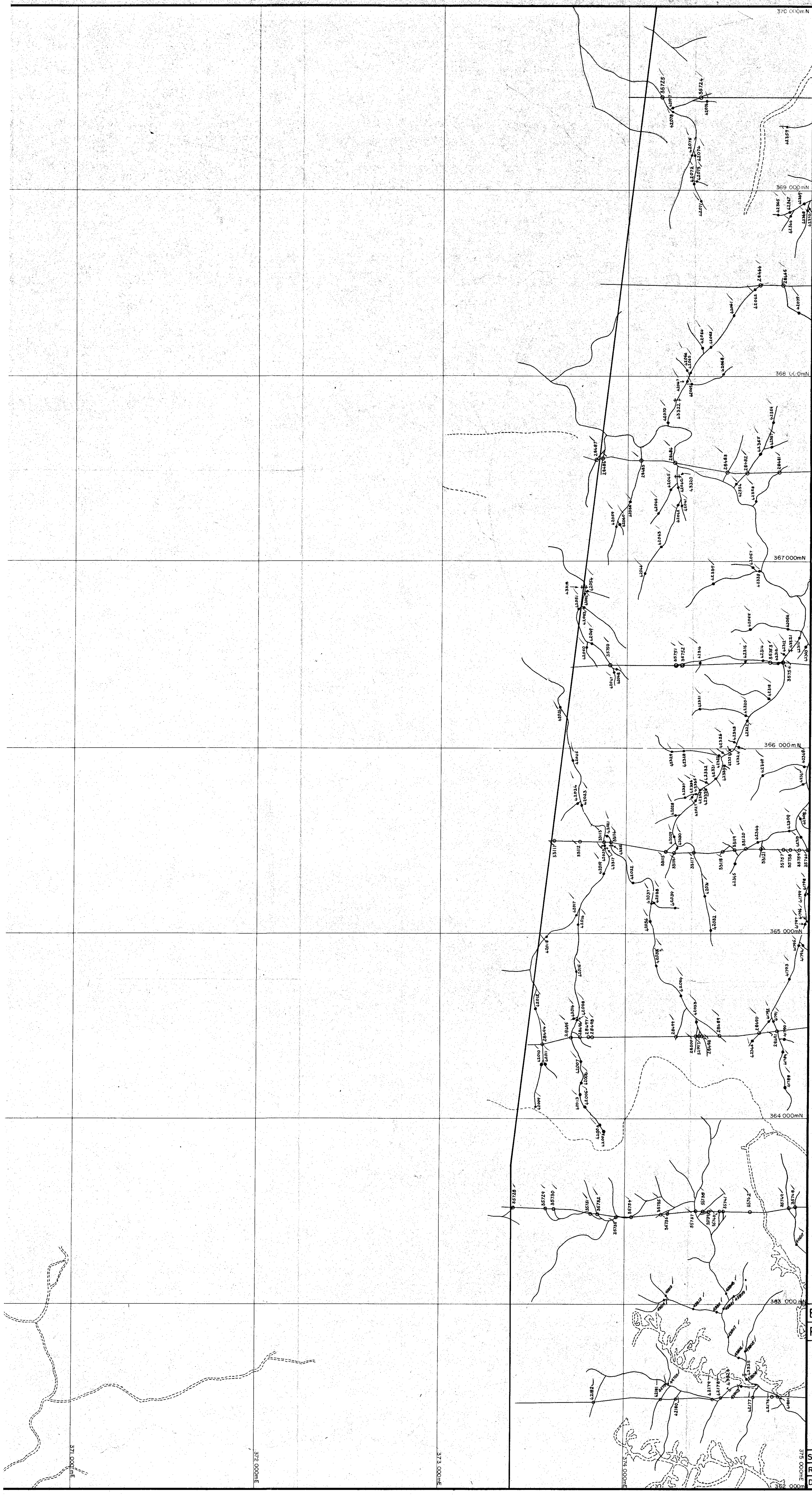
STREAM SEDIMENT

SAMPLE LOCATIONS

704285

SCALE: 1:10 000	Survey: R.J.W.	Revised:
Reference:	Date: MAY '81	REF. NO.
Drawn: R.T.	Checked:	AO-525-0203

E.Z. PLAN CABINET TRIM LINE

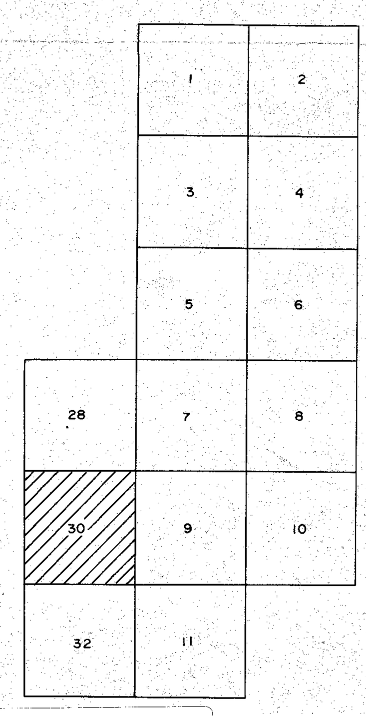


LEGEND

Stream Sediment Sampled in conjunction with grid line pegging by E.Z. field assistants (1980–1981)

Stream Sediment Sampled in conjunction with geological mapping of streams. (1981 / 82)

Heavy mineral pan concentrate sample (1981)



5 cm

GIS Feature ID 40512-40975

ELECTROLYTIC ZINC CO. OF A ASIA. LTD.

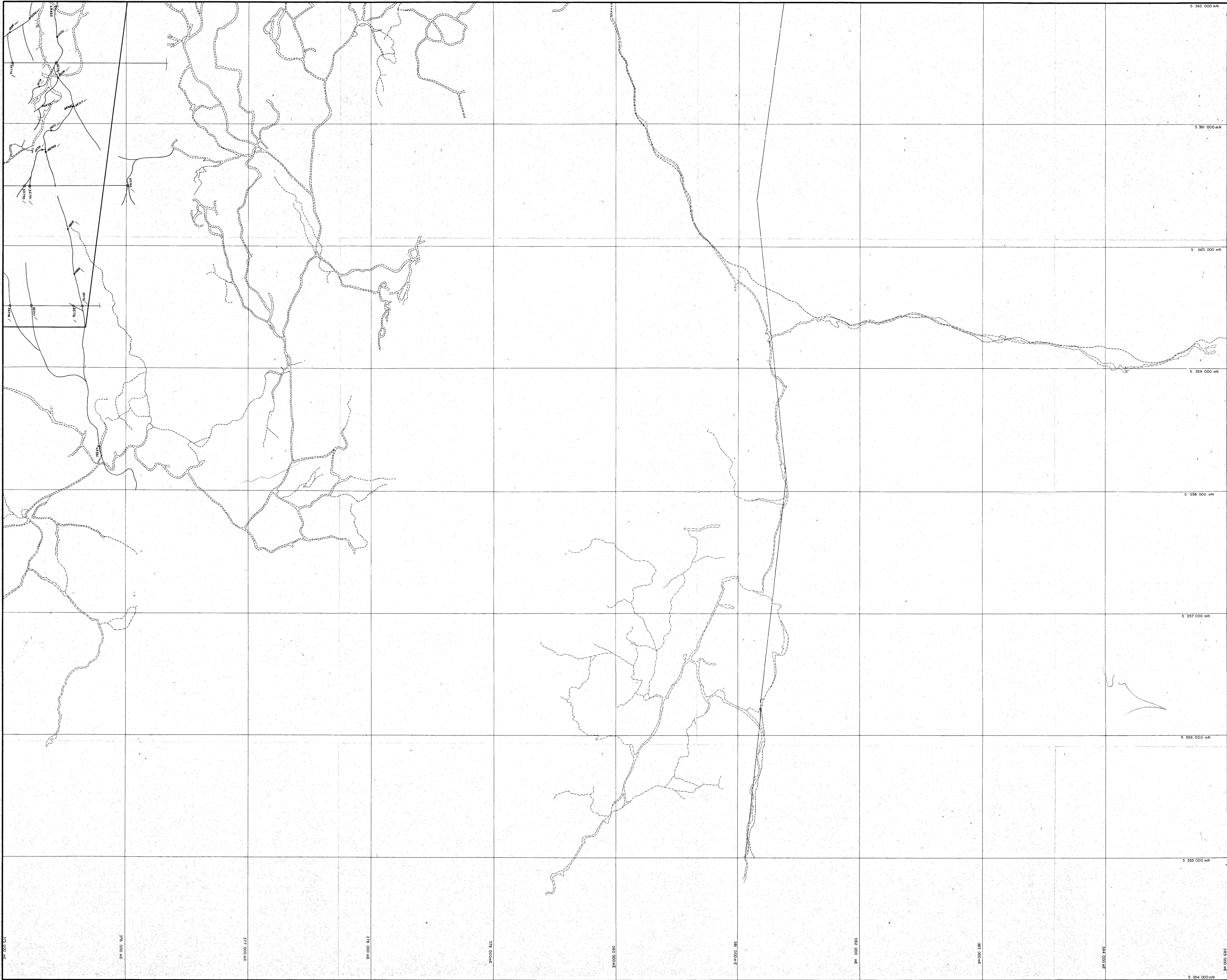
PROJECT: MT. BLACK — TAS

STREAM SEDIMENT
SAMPLE LOCATIONS.

704296

SCALE: 1:10 000	Survey: R.J.W.	Revised: 15.2.82
Reference:	Date: MAY '81	REF. NO.
Drawn: R.T.	Checked:	AO-525-0201

E Z PLAN CABINET TRIM LINE

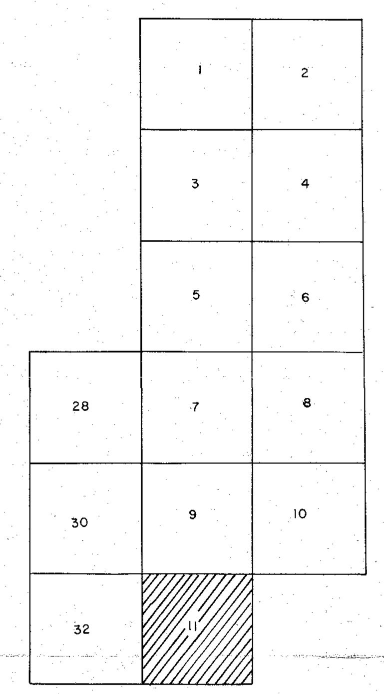


LEGEND

Stream Sediment Sampled in conjunction with grid line pegging by E.Z. field assistants (1980–1981)

Stream Sediment Sampled in conjunction with geological mapping of streams. (1981/82)

Heavy mineral pan concentrate sample (1981)



5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA. LTD.

PROJECT: MT. BLACK | TAS

STREAM SEDIMENT
SAMPLE LOCATIONS

704297

SCALE: 1:10 000	Survey: R.J.W.	Revised:
Reference:	Date: MAY '81	REF. NO.
Drawn: R.T.	Checked:	AO-525-0205

E.Z. PLAN CABINET TRIM LINE

LEGEND

Stream Sediment Sampled in conjunction with grid line pegging by E.Z. field assistants (1980–1981)

Stream Sediment Sampled in conjunction with geological mapping of streams. (1981 / 1982)

Heavy mineral pan concentrate sample (1981)

ELECTROLYTIC ZINC CO. OF A ASIA. LTD.

PROJECT: MT. BLACK	TAS

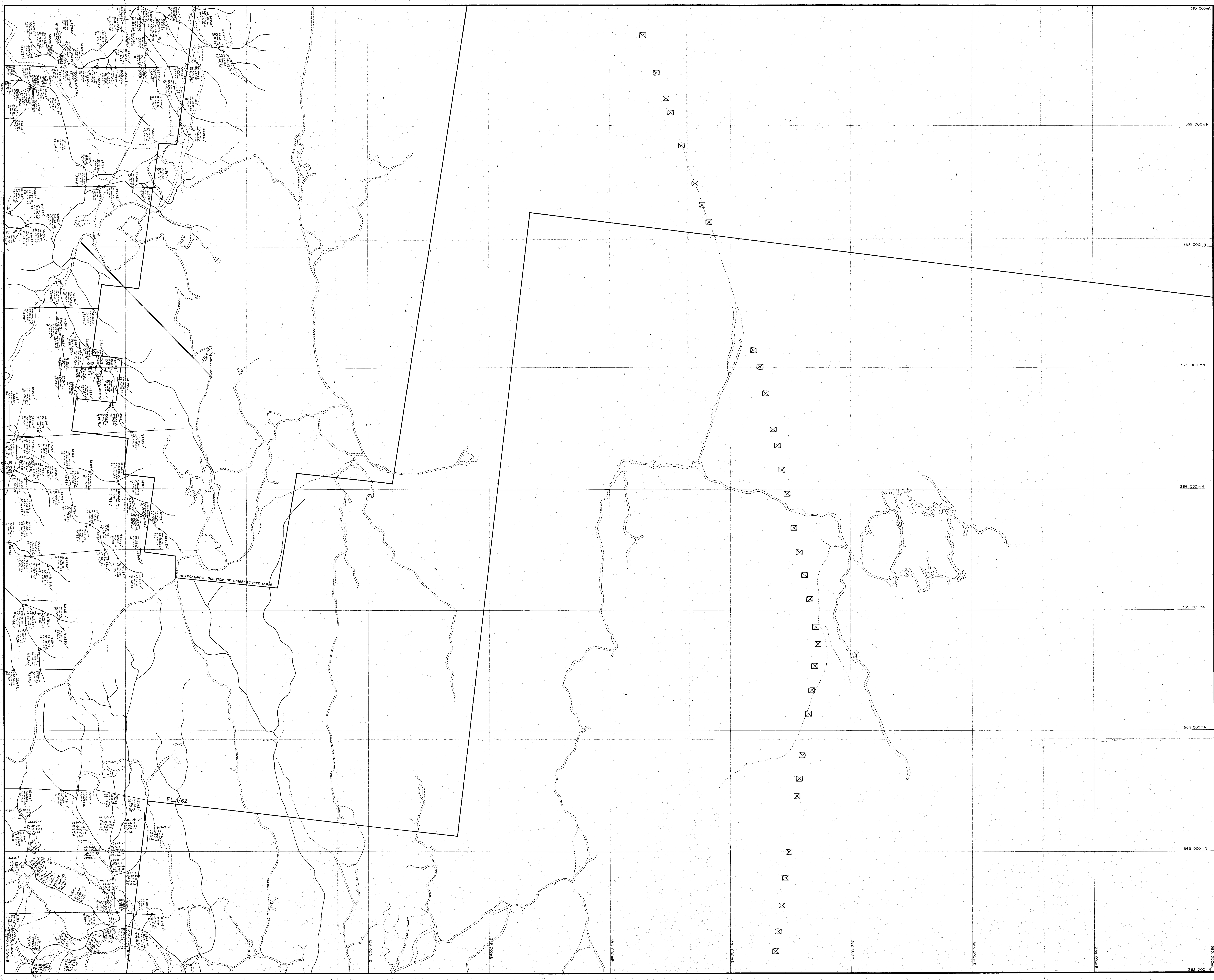
STREAM SEDIMENT

SAMPLE LOCATIONS

704298

SCALE: 1:10 000	Survey: R.J.W.	Revised:
Reference:	Date: MAY '81	REF. NO.
Drawn: R.T.	Checked:	A0-525-0207

E.Z. PLAN CABINET TRIM LINE



LEGEND

Stream Sediment Sampled in conjunction with grid line pegging by E.Z. field assistants (1980–1981)

Stream Sediment Sampled in conjunction with geological mapping of streams. (1981)

Heavy mineral pan concentrate sample (1981)

Pb, Zn, Cu
Co, Mn, Fe
Ag, Sn, As
Cr, W

All elements in P.P.M. (except Fe in %) unless otherwise indicated.

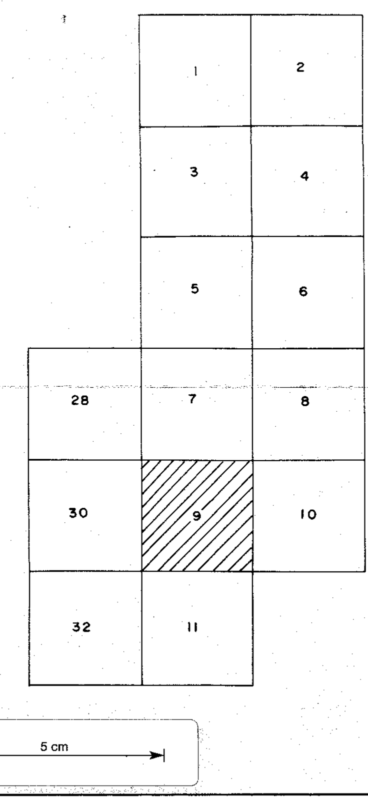
NOTE:

1. All samples were dried and sieved to -80 mesh
2. Base metals were analysed by A.A.S. after digestion in nitric/perchloric acid
3. Sn was analysed by A.A.S. after fusion with ammonium chloride

LEGEND

AREA 2

> 600 p.p.m. Pb
345 - 600 p.p.m Pb.
> 460 ppm Zn
290 - 460 p.p.m Zn
> 90 p.p.m Cu.
65 - 90 p.p.m. Cu.
> 185 p.p.m. As.
115 - 185 p.p.m. As.



ELECTROLYTIC ZINC CO. OF A ASIA. LTD.

PROJECT: MT. BLACK | TAS

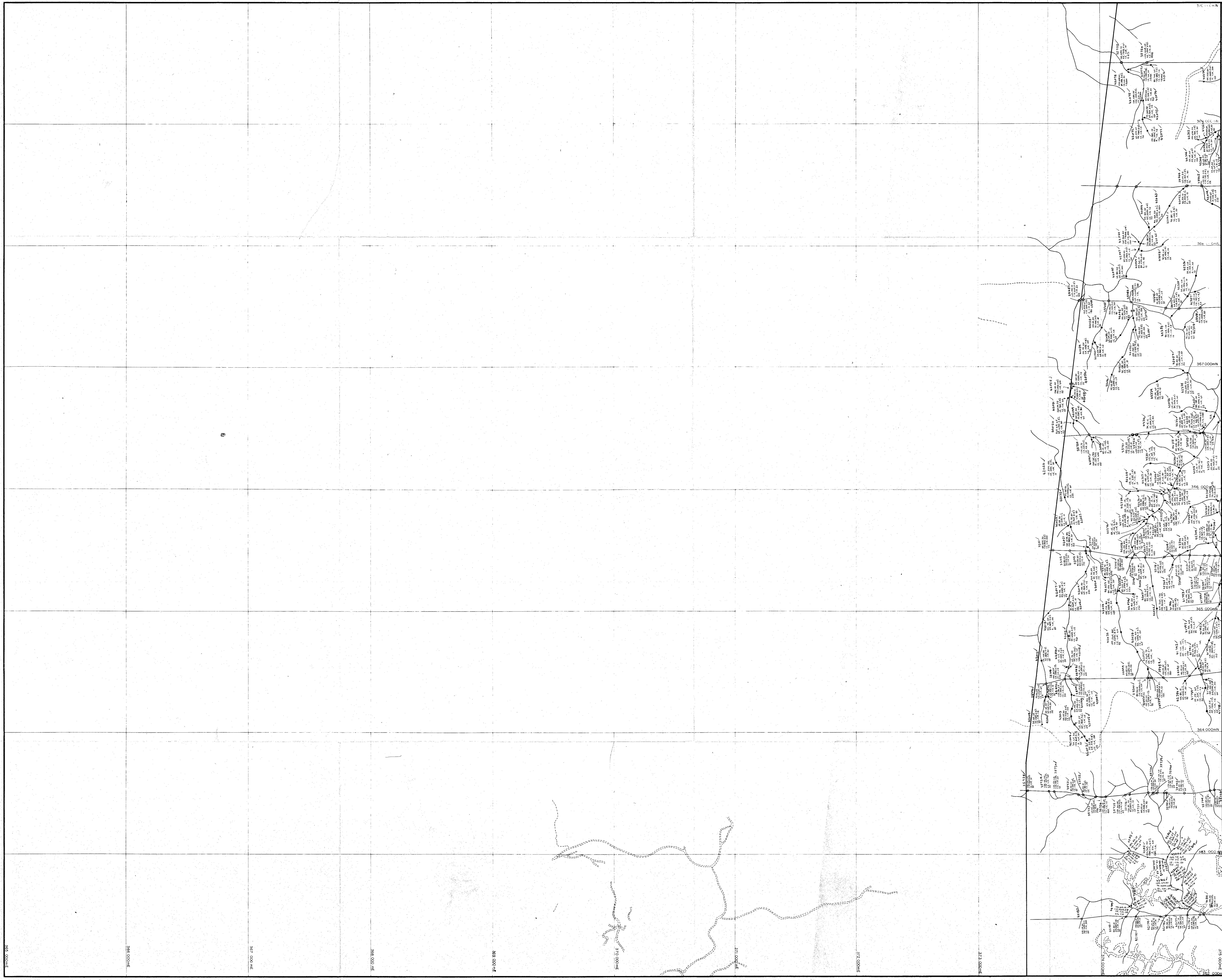
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
-80 #

704299

SCALE: 1:10000	Survey: R.J.W.	Revised:
Reference:	Date: MAY '81	REF. NO.
Drawn: R.T.	Checked:	A0-525-0204

TCR 82-1841 Vol. 4

E Z PLAN CABINET TRIM LINE



LEGEND

Stream Sediment Sampled in conjunction with grid line pegging by E.Z. field assistants (1980–1981)

Stream Sediment Sampled in conjunction with geological mapping of streams (1981)

Heavy mineral pan concentrate sample (1981)

Pb, Zn, Cu / Co, Mn, Fe / Ag, Sn, As / Cr — All elements in P.P.M. (except Fe in %) unless otherwise indicated.

NOTE:

1. All samples were dried and sieved to -80 mesh
2. Base metals were analysed by A.A.S. after digestion in nitric/perchloric acid
3. Sn was analysed by A.A.S. after fusion with ammonium chloride

LEGEND

AREA 2

> 600 p.p.m. Pb
345 - 600 p.p.m. Pb.
> 460 ppm Zn
290 - 460 p.p.m. Zn
> 90 p.p.m Cu
65 - 90 p.p.m. Cu.
> 185 p.p.m. As.
115 - 185 p.p.m. As.

1	2
3	4
5	6
28	7	8
30	9	10
32	11

5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA. LTD.

PROJECT: MT. BLACK — TAS

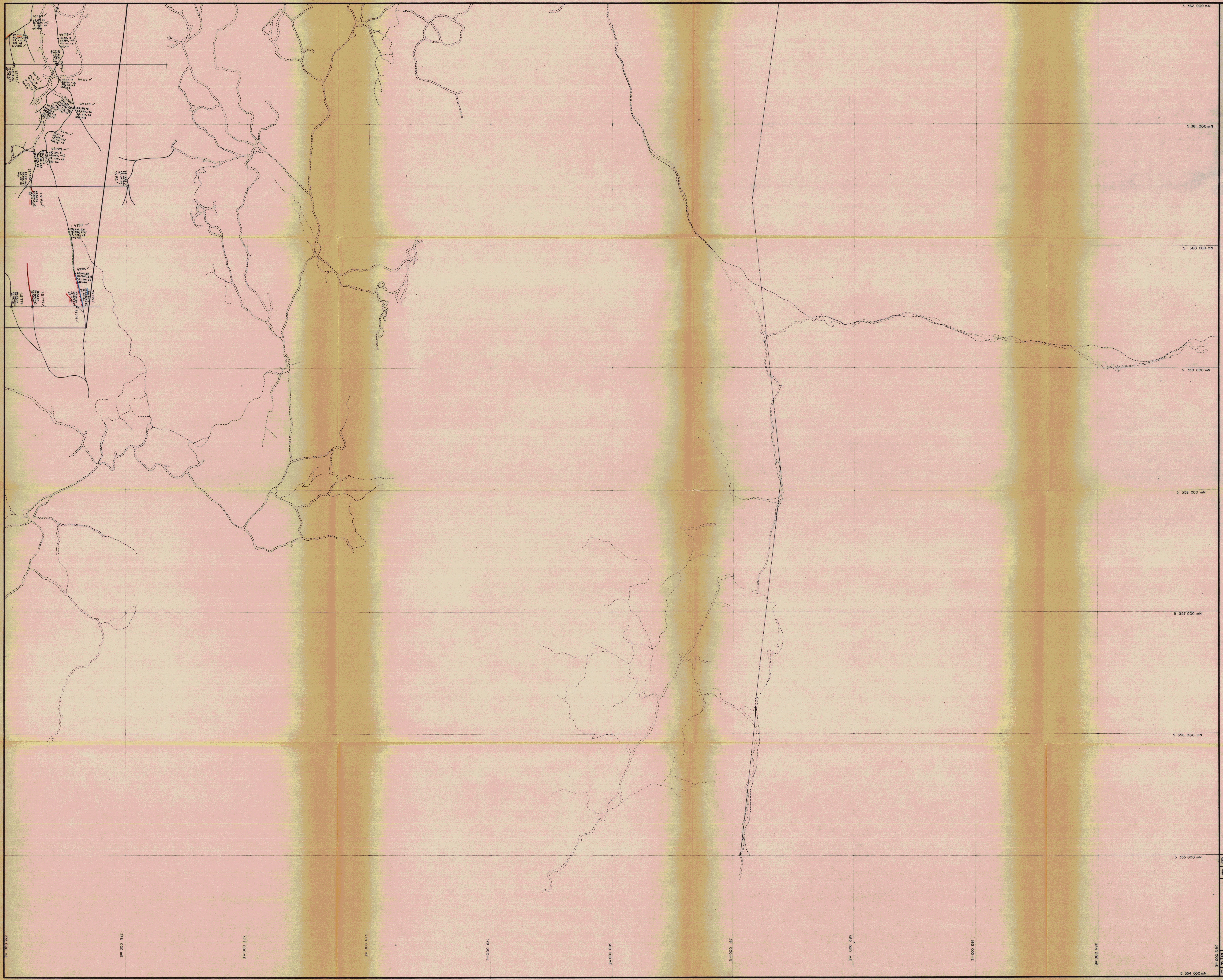
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
-80#

704300

SCALE: 1:10 000	Survey: R.J.W.	Revised:
Reference:	Date: MAY '81	REF. NO.
Drawn: R.T.	Checked:	A0-525-0202

TCR 82-1841 Vol. 4

E.Z. PLAN CABINET TRIM LINE



LEGEND

Stream Sediment Sampled in conjunction with grid line pegging by E.Z. field assistants (1980–1981)

Stream Sediment Sampled in conjunction with geological mapping of streams (1981)

Heavy mineral pan concentrate sample (1981)

Pb, Zn, Cu
Co, Mn, Fe
Ag, Sn, As
Cr

All elements in P.P.M. (except Fe in %) unless otherwise indicated.

NOTE:

1. All samples were dried and sieved to -80 mesh
2. Base metals were analysed by A.A.S. after digestion in nitric/perchloric acid
3. Sn was analysed by A.A.S. after fusion with ammonium chloride

LEGEND

AREA 1

> 140 p.p.m. Pb.
105 - 140 p.p.m. Pb.
> 120 p.p.m. Zn.
90 - 120 p.p.m. Zn.
> 45 p.p.m. Cu
35 - 45 p.p.m. Cu.
> 130 p.p.m. As
75 - 130 p.p.m. As.

5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA. LTD.

PROJECT: MT. BLACK | TAS

GEOCHEMISTRY

STREAM SEDIMENT SAMPLES

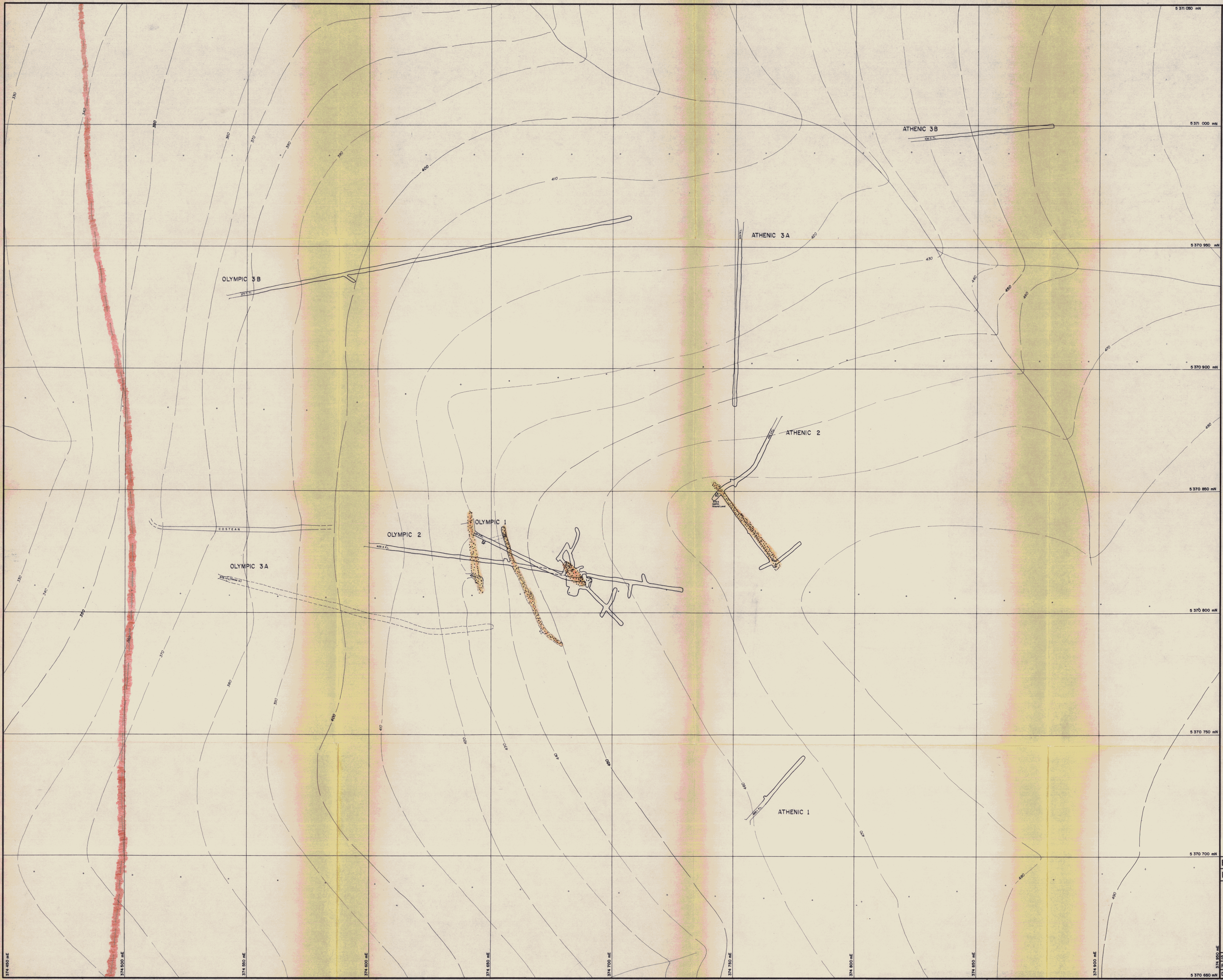
-80 #

704301

SCALE: 1:10 000	Survey: R.J.W.	Revised:
Reference:	Date: MAY '81	REF NO
Drawn: R.T.	Checked:	A0 - 525 - 0206

E Z PLAN CABINET TRIM LINE


LEGEND
Stream Sediment Sampled in conjunction with grid line pegging by E.Z. field assistants (1980-1981)
Stream Sediment Sampled in conjunction with geological mapping of streams (1981)/ 1982)
Heavy mineral pan concentrate sample (1981)
Pb, Zn, Cu
Co, Mn, Fe
Ag, Sn, As
Cr, W
All elements in P.P.M. (except Fe in %) unless otherwise indicated.
NOTE:
1. All samples were dried and sieved to -80 mesh
2. Base metals were analysed by A.A.S. after digestion in nitric/ perchloric acid
3. Sn was analysed by A.A.S. after fusion with ammonium chloride
LEGEND
AREA 1
> 140 p.p.m. Pb.
105 - 140 p.p.m. Pb.
> 120 p.p.m Zn.
90 - 120 p.p.m Zn.
> 45 p.p.m. Cu.
35 - 45 p.p.m. Cu.
> 130 p.p.m. As
75 - 130 p.p.m. As.
5 cm
ELECTROLYTIC ZINC CO. OF A ASIA. LTD.
PROJECT: MT. BLACK
TAS
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
-80#
704302
SCALE: 1:10 000
Survey: R.J.W.
Revised:
Reference:
Date MAY '81
REF NO
A0-525-0208
Drawn: R.T.
Checked:
E Z PLAN CABINET TRIM LINE



NOTE

Survey : W. Moyle 1982 , Chain, Compass & Clinometer
+ Grid Peg - position surveyed .
∘ Grid Peg - position approximate.
Contour Interval 10metres (contours approximate only)

5 cm

ELECTROLYTIC ZINC CO. OF A ASIA. LTD.

PROJECT: MT. BLACK, E.L.1/62	TAS.

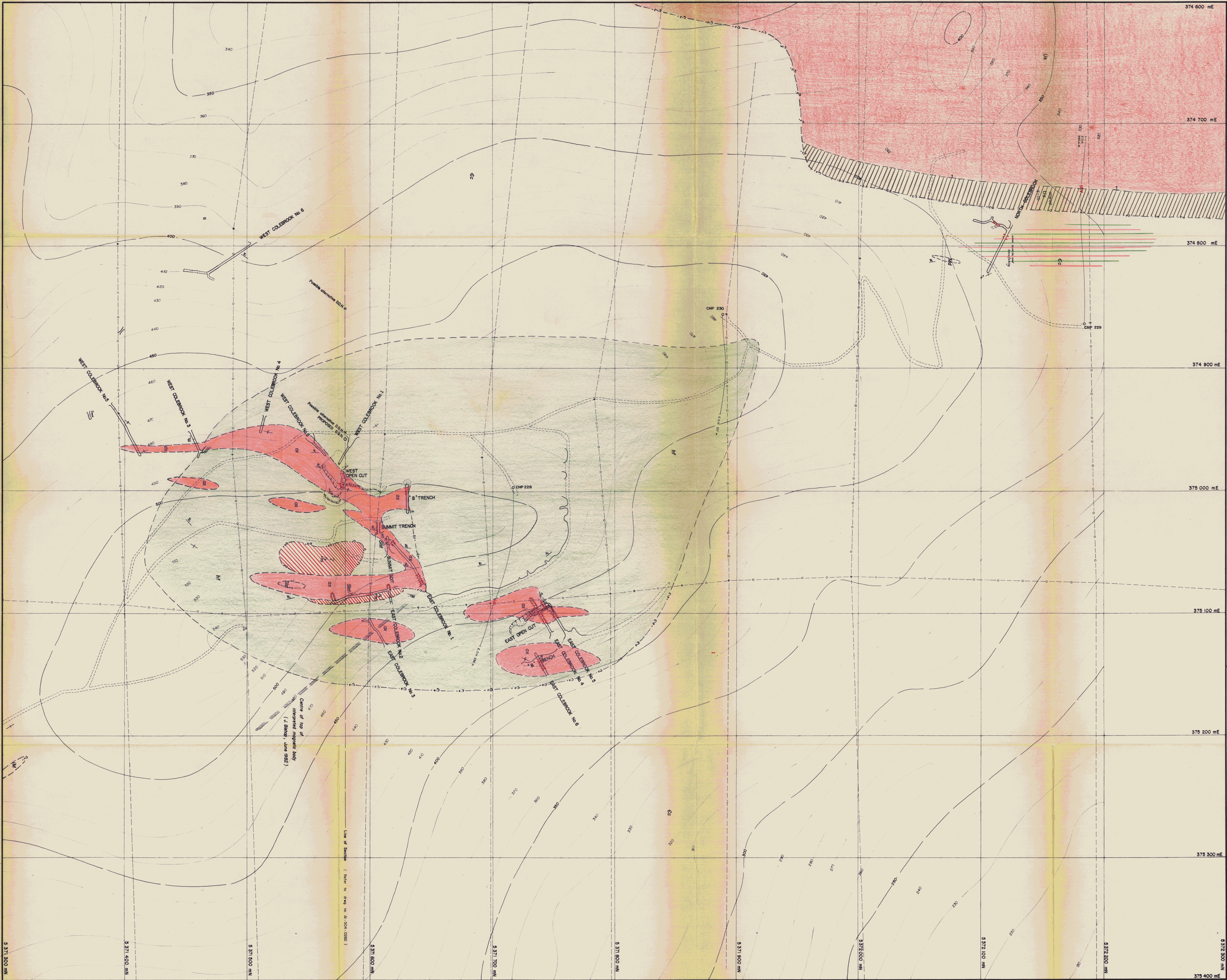
OLYMPIC - ATHENIC
MINE AREA

704303

0 5 10 20 30 40 50 METRES

SCALE: 1:500	Survey: I. Mat.	Revised:
Reference:	Date:	REF. NO. AO - 504 - 0227
Drawn: Nik	Checked: 7. 4. 1982	

E.Z. PLAN CABINET TRIM LINE



NOTES

Most data for this interpretation from 1982 mapping. Other valuable data derived from 1980-81 E·Z mapping, from 1956-57 E·Z mapping (I.S. Gregory) and from 1901 drilling reported by Waller 1902.

Base derived from surveys by W. Moyle 1982 and I. S. Gregory 1957. Significant compass deviation (10° - 70°) in the vicinity of several adits necessitated some minor adjustments to obtain best fit.

Contours at 10m interval sketched from 1:10 000 scale plans with limited ground survey control.

LEGEND

- D. D. H. Collar surveyed
- + Grid peg position surveyed
- o Grid peg position interpolated
- Strike and dip of bedding
- Strike and dip of banding in skarn.

54 Md / iM	Dolerite Minor Mafic Intrusive (Gabbro)
64 Us	Serpentinized Ultramafic Intrusive
ax	> 10% Sulphide Axinite - actinolite skarn or hornfels with axinite.
Slst	Impure Limestone
hf	Hornfelsed silstone and! wacke.
€c	Interbedded tuffaceous siltstone and volcanic wacke.

5 cm

ELECTROLYTIC ZINC CO. OF A ASIA. LTD.

PROJECT: MT. BLACK TAS.

COLEBROOK HILL MINE AREA

Interpreted Geology

704304

SCALE: 1:1000	Survey: I. Mat.	Revised:
Reference:	Date: 15. 6. 1982	REF. NO.
Drawn: Nik	Checked:	AO - 504 - 0265

E.Z. PLAN CABINET TRIM LINE

N.B 1 Part of the topographic detail on this sheet is derived from photo-enlarged 20 chains to the inch plans (Lands Dept.), contours in feet

N.B 2 This plan has been compiled from the following plans :- AO-525-2030 ⟶ AO-525-0235

NOTES :

1. Anomalies inside the Colebrook Hill VLF survey area have not been labelled.
2. Anomalies well outside the lease boundaries have not been labelled.
3. Anomalies due to cultural effects (L) have not been labelled.

LEGEND:

- 3 Dighem anomaly (showing grade).
- S, S? probable, possible surface conductor.
- L line source.
- M Anomalous zone with Mitre letter.
- 3 15 Mitre number for individual anomaly.
- 1 Ground Magnetic Anomaly 1982 NATONE Survey

5 cm

ELECTROLYTIC ZINC CO. OF A ASIA. LTD.		
PROJECT : MT. BLACK E.L. 1/62		TAS.
NATONE AREA PRELIMINARY GROUND MAG. ANOMALIES and DIGHEM INTERPRETATION 704305		
SCALE 1 : 10,000	Survey Mitre Geophysics	Revised
Reference EZ/MG81/12	Date Sept. '81	FIG. 1
Drawn T.G.D.S.	Checked	