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IN REPLY PLEASE QUOTE

5th September, 1983.

Memorandum To: G.B.WEBER
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From: M.F.FLIS

Subject: ELECTROMAGNETIC SURVEYS ON THE BEULAH
BARYTE AND STAVERTON PROSPECTS,
SHEFFIELD E.L. 7/73, TASMANIA

U of M	A.O.	C.G.	E.O.	D.S.M.E.
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INTRODUCTION

Two prospects in Sheffield E.L. 7/73 were surveyed by the U.T.E.M. system - a ground transient electromagnetic method.

The Beulah Baryte prospect was surveyed to test for massive lead mineralisation associated with the (?)stratabound baryte deposit occurring here. Six lines, each of 700 metres length, were completed.

The Staverton prospect was surveyed to test for massive lead-zinc mineralisation associated with a strong, well defined soil geochemistry anomaly. Three lines of 275 metres length were completed.

Geophysical Exploration Consultants Pty.Limited were contracted to undertake the surveys. Field work commenced on the 5th of May and finished on the 8th. Acknowledgement is given to Guido Staltari for his assistance in this interpretation.

CONCLUSIONS AND RECOMMENDATIONS

A number of weak, short time constant anomalies were mapped on the Beulah Baryte grid. In general, these were found to be coincident with V.L.F. - E.M. responses. A major zone reflecting a 3 to 5 Siemen conductor at a depth of 25 to 50 metres occurs along the southern edge of the grid.

On the lines covered on the Staverton grid there is no evidence of a significant conductor being present. A very low order response probably represents a slightly more conductive rock unit or, on the evidence of I.P., a disseminated source.

It is recommended that:

1. The main anomalous zone at Beulah Baryte (anomaly "A") be tested by drilling. The target is at 63mN on line 1000mE with a depth of 50 metres. Dip (from geologic mapping) is about 65 degrees north,
2. The Staverton geochemistry/I.P. anomaly be tested by trenching and bedrock geochemistry on lines 500mE and 600mE between 1100mN and 1200mN.

DISCUSSION

Data for both surveys is attached as profiles (Plans TASH 1377 to 1380) and as normalised secondary field strengths (Attachment I and II). Each area is discussed seperately.

Beulah Baryte

The location of the Beulah Baryte Prospect, together with simplified geology and E.M. conductor traces is indicated in Plan TASH 1384. Plans TASH 1378 and 1380 show the U.T.E.M. profiles with specific anomalies labelled.

General geology and geochemistry is covered by CRAE Reports 7468 and 11883 by Porter and Clementson respectively.

The most significant conductive zone in the survey area is a composite feature which strikes east-west and occurs within one hundred metres or so from the loop edge. On lines 900mE and 1000mE it shows as a single cross-over at 2050mN and 2063mN respectively (Anomaly A). It is consistent with a confined conductive unit, probably less than 25 metres wide at a depth of between 25 and 50 metres.

A decay interpretation of the peak-to-trough response on line 900mE shows that the decay can be approximated by a thick dyke response of conductance greater than 3-5 Siemens (Plan TASH 1472). If the late time effect only is modelled, a conductive estimate of up to 5 Siemens can be obtained, depending on the assumed strike length.

On line 1000mE similar estimates of conductance are obtained from the anomaly decay.

On lines 700mE, 800mE, 1100mE, and 1200mE the effect appears as a composite one. There is a shallow thin inhomogeneity at around 2025mN (Anomaly A1) and a second at around 2085mN (Anomaly A2) which is flanked by a low, or "top", anomaly on its northern side. The "top" anomaly indicates the presence of a shallow, low conductivity, block conductor. The sharpness and extent of the "top" anomaly indicate that this zone has a width of at least 50 metres and may represent a conductive rock unit which passes laterally into the main conductor. (Anomaly A).

On lines 1100mE and 1200mE the composite effect reappears but without the northern "top" anomaly.

This entire zone was defined by an earlier V.L.F.-E.M. survey (Plans TASH 1222 and 1223). Both the Dip and Maximum Horizontal Field Strength reflect the eastern and western composite conductive zone with the central single anomaly. The difference in character between the two composite zones is also apparent in this data although there is no clues to what that difference is from geological mapping.

A shallow conductive inhomogeneity (Anomaly B) occurs on lines 700mE, 800mE, and 900mE. The response is manifested as a subtle break in slope (e.g. at 2288mN on 800mE). Plan TASH 1473 shows a typical decay curve for this anomaly. The V.L.F.- E.M. data shows the zone as a very weak cross-over. The anomaly may represent the southern margin of a sheared andesite horizon. A resistivity of about 110 ohms is estimated from the decay curve at 2275mN, 800mE using McCrackens cross-over formula.

On line 1000mE a limited strike length response occurs at 2199mN (anomaly C, Plan TASH 1474 shows a typical decay curve) with an estimated resistivity of 30 ohms. A similarly short length V.L.F. - E.M. anomaly occurs 50 metres to the north. The restricted nature of the response precludes it from further examination.

In the north, anomaly D is seen as a break of slope on the early channel profiles with some build up in amplitude on the loop side. On lines 900mE and 1000mE the profile shape of channel 8 suggests a crossover caused by a shallow (25-50metres) conductive inhomogeneity of very low conductivity (340 ohms at 2425mN, 800mE). Plan TASH 1475 shows a typical decay curve for the anomaly. There is also the added effect of a "top" anomaly centred on 2575mN on these lines. This suggests that D is caused by a resistivity contact with the sheared lithologies to the south and the andesites to the north. The V.L.F.-E.M. data supports a lithological source.

To the north-east, anomaly E shows more clearly as a "top" anomaly possibly due to a wide, less resistive rock unit (120 ohms at 2425mN, 1100mE). A decay curve is shown in TASH 1476. V.L.F. - E.M. data indicates that anomalies D and E may be continuous, although an obvious change in character exists.

Transient decay curves from various points on the grid exhibit strong negative effects in the early channels - typically channels 10 and 9 but often extending to 7 and 6 (see Plan TASH 1477 for example). This extension to the latter channels is indicative of both overburden effects (with overburden extending from under the loop to the survey area causing the phenomena of "blanking") and the presence of a finitely resistive (say, greater than 1000 but less than 5 to 10,000 ohm-metres) homogenous half-space.

An investigation of the transient rates of decay (i.e. the rate at which the induced currents are dying out in the ground) is quite informative. Typically, the decay constant (b in the expression for a power decay: $e(t) = at^b$) is in the range of -1.0 to -1.3, representing the normal homogenous half-space response. Even over most recognised anomalies (B, C, D, and E) the decay constant is only marginally greater than the non-anomalous areas (see Plan TASH 1384) establishing the fact that these are most probably just minor inhomogeneities in the bedrock rather than anomalous zones per se. Over the main anomalous zone (Anomaly A), however, the decay constant increases dramatically to -0.8 to -0.6; highlighting the zone as a significantly more conductive area.

Staverton

The geology and previous exploration of this prospect is covered in CRAE Reports 9159 and 11883 by Purvis and Clementson respectively. The U.T.E.M. survey covered an area in which a moderately strong and very well defined soil geochemistry anomaly co-exists with an I.P. response.

The E.M. profiles (TASH 1377) are dominated by a homogeneous half-space response. A very weak effect occurring on line 400mE at 1137mN broadens out to a (still weak) well defined anomaly between 1112mN and 1187mN on line 500mE and 1125mN and 1162mN on line 600mE. This anomaly corresponds well with a resistivity low at 1112mN on 400mE, and chargeability highs at 1150mN on 500mE and 1150mN on 600mE. The I.P. anomalies reflect a shallow source (25 to 50 metres).

Decay constants over the survey area are typically around -1.1 reflecting a homogeneous half-space response. In the anomalous area, however, the constants rise to -0.7 (1125mN on 400mE and 1100mN on 500mE and 600mE).

The decay curves exhibit a slight rise in latter times (Plan TASH 1478); a behaviour indicative of strong I.P. effects. These are seen on nearly all decay curves from this survey area.

GENERAL

Both surveys failed to define strong E.M. responses. However, it should be noted that Beulah Baryte is a lead prospect and Staverton a lead-zinc prospect. When one considers the expected conductivity of a chalcopyrite-pyrite deficient galena-sphalerite assemblage any unexplainable anomalous response must be treated with interest. A case in point is the P lense of the Que River copper-lead-zinc deposit which is copper deficient. The well defined, albeit short time constant, Anomaly A on the Beulah Baryte grid attains special significance in the light of these observations.

Whilst the Staverton prospect is devoid of any anomalies which could be drilled on their own merits, the presence of a response in an I.P. and geochemically anomalous area may indicate heavy lead-zinc disseminations.

MARCUS F. FLIS

ATTACHMENT I

NORMALIZED SECONDARY FIELD STRENGTHS

BEULAH BARYTE - SHEFFIELD E.L. 7/73

Area : BEULAH PROSPECT
 For : CRA EXPLORATION PTY LTD
 Date : May 7, 1983
 Job : 3101
 Loop : 0001
 Line : 700mE
 Component : Hz
 Frequency : 26.230

Channel delay times and widths are (usec) :

Ch1 1.443840E4 Ch2 7.219200E3 Ch3 3.609600E3 Ch4 1.804800E
 Ch5 9.024001E2 Ch6 4.512000E2 Ch7 2.256000E2 Ch8 1.128000E
 Ch9 5.640000E1 Ch10 2.820000E1

Loop corner grid coordinates (corner , x , y , arbitrary elev)

Corner 1 2000N 1521E 0
 Corner 2 1000N 1521E 0
 Corner 3 1000N 521E 0
 Corner 4 2000N 521E 0

The data presented is secondary field data, continuously normalized with respect to Channel 1.

Station : 1925N

1) 2.027035E-1 2) 1.146615E-1 3) 2.221492E-1 4) 2.486910E-1
 5) 4.969894E-1 6) 1.728893 7) 3.249912 8) 1.421598E1
 9) -2.358938E1 10) -1.679713E2

Primary field strength (in Amp/m) : 6.373980E-3

Station : 1950N

1) -4.317284 2) 8.875658E-2 3) 2.251806E-1 4) 3.845350E-1
 5) 1.025285 6) 3.097927 7) 6.611418 8) 2.051727E1
 9) -3.501891E1 10) -1.754112E2

Primary field strength (in Amp/m) : 2.802998E-3

Station : 1975N

1) -8.782626E-1 2) 9.298330E-2 3) 2.621728E-1 4) 5.470519E-1
 5) 1.524750 6) 4.349764 7) 9.433713 8) 2.457893E1
 9) -3.940633E1 10) -1.774306E2

Primary field strength (in Amp/m) : 1.698916E-3

Station : 2000N

1) -3.524947 2) 1.104299E-1 3) 3.470196E-1 4) 7.986987E-1
 5) 2.074136 6) 5.443737 7) 1.194075E1 8) 2.759236E1
 9) -5.194659E1 10) -1.822200E2

Primary field strength (in Amp/m) : 1.172064E-3

Station : 2025N

1) -2.621603 2) 1.403530E-1 3) 4.420230E-1 4) 9.910767E-1
 5) 2.466074 6) 5.660906 7) 1.143118E1 8) 1.842339E1
 9) -8.330164E1 10) -1.877903E2

Primary field strength (in Amp/m) : 8.689367E-4

Station : 2050N

1) -1.432067 2) 1.571269E-1 3) 5.271103E-1 4) 1.160957
 5) 2.673957 6) 5.545283 7) 9.444926 8) 4.770485
 9) -1.130090E2 10) -1.959450E2

Primary field strength (in Amp/m) : 6.749216E-4

Station : 2075N

1) 2.882004E-1 2) 1.827695E-1 3) 6.080508E-1 4) 1.416023
 5) 3.078125 6) 6.040688 7) 9.353647 8) -1.659795
 9) -1.200487E2 10) -1.935372E2

Primary field strength (in Amp/m) : 5.417709E-4

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Station : 2100N

- 1) 3.142297 2) 1.991400E-1 3) 7.190076E-1 4) 1.509951
- 5) 2.718383 6) 4.035400 7) 2.321651 8) -2.783463E1
- 9) -1.513499E2 10) -1.974141E2

Primary field strength (in Amp/m) : 4.457297E-4

Station : 2125N

- 1) 2.822399 2) 3.143286E-1 3) 9.183840E-1 4) 1.946468
- 5) 3.545530 6) 5.208891 7) 4.539679 8) -2.431325E1
- 9) -1.427760E2 10) -1.969615E2

Primary field strength (in Amp/m) : 3.738052E-4

Station : 2150N

- 1) 5.561101 2) 3.322264E-1 3) 9.753581E-1 4) 2.128060
- 5) 4.193117 6) 6.786490 7) 7.136718 8) -1.704713E1
- 9) -1.345576E2 10) -1.936568E2

Primary field strength (in Amp/m) : 3.183314E-4

Station : 2175N

- 1) 7.404006 2) 3.184235E-1 3) 1.009456 4) 2.287623
- 5) 4.710245 6) 7.909752 7) 9.563414 8) -1.584210E1
- 9) -1.297806E2 10) -1.907265E2

Primary field strength (in Amp/m) : 2.745164E-4

Station : 2200N

- 1) 8.700705 2) 2.793010E-1 3) 1.093922 4) 2.568236
- 5) 5.197941 6) 8.286144 7) 8.593135 8) -1.963248E1
- 9) -1.297464E2 10) -1.955799E2

Primary field strength (in Amp/m) : 2.392252E-4

Station : 2225N

- 1) 9.447599 2) 3.285652E-1 3) 1.173810 4) 2.956031
- 5) 5.721279 6) 8.328093 7) 9.518807 8) -2.160849E1
- 9) -1.309110E2 10) -1.999583E2

Primary field strength (in Amp/m) : 2.103290E-4

Station : 2250N

- 1) 1.011640E1 2) 3.732395E-1 3) 1.226980 4) 3.165374
- 5) 6.157125 6) 9.354468 7) 9.386524 8) -2.408893E1
- 9) -1.312386E2 10) -1.987244E2

Primary field strength (in Amp/m) : 1.863364E-4

Station : 2275N

- 1) 1.192220E1 2) 3.810638E-1 3) 1.326901 4) 3.407186
- 5) 6.785337 6) 9.728275 7) 8.032186 8) -3.034069E1
- 9) -1.438962E2 10) -1.969891E2

Primary field strength (in Amp/m) : 1.661751E-4

Station : 2300N

- 1) 1.206350E1 2) 4.006672E-1 3) 1.480411 4) 3.676310
- 5) 7.661282 6) 1.030755E1 7) 7.396702 8) -3.550777E1
- 9) -1.458929E2 10) -1.953119E2

Primary field strength (in Amp/m) : 1.490564E-4

Station : 2325N

- 1) 1.279581E1 2) 5.219088E-1 3) 1.694293 4) 4.248384
- 5) 7.911458 6) 1.124616E1 7) 6.942011 8) -4.271942E1
- 9) -1.507384E2 10) -1.955698E2

Primary field strength (in Amp/m) : 1.343881E-4

Station : 2350N

- 1) 1.309940E1 2) 4.690610E-1 3) 1.777377 4) 4.484201
- 5) 8.807569 6) 1.107106E1 7) 5.770593 8) -5.056778E1
- 9) -1.584139E2 10) -1.934363E2

Primary field strength (in Amp/m) : 1.217182E-4

009

Station : 2375N

- 1) 1.441780E1 2) 5.090924E-1 3) 1.941298 4) 5.059084
- 5) 9.512067 6) 1.237743E1 7) 5.682418 8) -5.514680E1
- 9) -1.600904E2 10) -1.957195E2

Primary field strength (in Amp/m) : 1.106961E-4

Station : 2400N

- 1) 1.378961E1 2) 5.808893E-1 3) 2.102738 4) 5.402864
- 5) 1.061265E1 6) 1.464782E1 7) 5.385902 8) -5.941562E1
- 9) -1.662247E2 10) -1.939655E2

Primary field strength (in Amp/m) : 1.010464E-4

Station : 2425N

- 1) 1.522880E1 2) 6.328307E-1 3) 2.234171 4) 6.061768
- 5) 1.123366E1 6) 1.549995E1 7) 6.311961 8) -6.765759E1
- 9) -1.716528E2 10) -2.013947E2

Primary field strength (in Amp/m) : 9.254944E-5

Station : 2450N

- 1) 1.505200E1 2) 6.526608E-1 3) 2.514956 4) 6.270124
- 5) 1.219431E1 6) 1.546292E1 7) 4.165155E-1 8) -8.151926E1
- 9) -1.766049E2 10) -1.949941E2

Primary field strength (in Amp/m) : 8.502882E-5

Station : 2475N

- 1) 1.524340E1 2) 6.796922E-1 3) 2.637722 4) 6.733316
- 5) 1.210195E1 6) 1.472033E1 7) -4.052810 8) -9.248765E1
- 9) -1.842092E2 10) -2.007908E2

Primary field strength (in Amp/m) : 7.834087E-5

Station : 2500N

- 1) 1.558330E1 2) 9.051521E-1 3) 2.970060 4) 7.250272
- 5) 1.313122E1 6) 1.460039E1 7) -9.239138 8) -1.051438E2
- 9) -1.821072E2 10) -1.982974E2

Primary field strength (in Amp/m) : 7.236802E-5

Station : 2525N

- 1) 1.574810E1 2) 8.626569E-1 3) 3.022342 4) 7.858540
- 5) 1.352040E1 6) 1.564138E1 7) -1.309455E1 8) -1.132617E2
- 9) -1.872484E2 10) -1.966634E2

Primary field strength (in Amp/m) : 6.701257E-5

Station : 2550N

- 1) 1.504940E1 2) 8.274754E-1 3) 3.235567 4) 8.479146
- 5) 1.556844E1 6) 1.685459E1 7) -1.205082E1 8) -1.125297E2
- 9) -1.852362E2 10) -1.953697E2

Primary field strength (in Amp/m) : 6.219340E-5

Station : 2575N

- 1) 1.550120E1 2) 1.015745 3) 3.614161 4) 9.185265
- 5) 1.669620E1 6) 1.831668E1 7) -1.520525E1 8) -1.155557E2
- 9) -1.884956E2 10) -1.874492E2

Primary field strength (in Amp/m) : 5.784222E-5

Station : 2600N

- 1) 1.561910E1 2) 1.066087 3) 3.866063 4) 9.368436
- 5) 1.766517E1 6) 1.823704E1 7) -1.738851E1 8) -1.280239E2
- 9) -1.878998E2 10) -1.880907E2

Primary field strength (in Amp/m) : 5.390141E-5

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Station : 2625N

- 1) 1.493940E1 2) 1.124062 3) 4.085973 4) 1.048743E1
- 5) 1.826293E1 6) 1.850444E1 7) -2.209262E1 8) -1.321492E2
- 9) -1.839087E2 10) -2.078238E2

Primary field strength (in Amp/m) : 5.032187E-5

Station : 2650N

- 1) 1.569200E1 2) 1.145632 3) 4.095365 4) 1.000986E1
- 5) 1.587664E1 6) 8.905550 7) -4.569015E1 8) -1.483029E2
- 9) -1.937819E2 10) -2.016767E2

Primary field strength (in Amp/m) : 4.706170E-5

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Area : BEULAH PROSPECT
 For : CRA EXPLORATION PTY LTD
 Date : May 7, 1983
 Job : 3101
 Loop : 0001
 Line : 800mE
 Component : Hz
 Frequency : 26.230

Channel delay times and widths are (usec) :
 Ch1 1.443840E4 Ch2 7.219200E3 Ch3 3.609600E3 Ch4 1.804800E3
 Ch5 9.024001E2 Ch6 4.512000E2 Ch7 2.256000E2 Ch8 1.128000E2
 Ch9 5.640000E1 Ch10 2.820000E1

Loop corner grid coordinates (corner , x , y , arbitrary elev)
 Corner 1 2000N 1521E 0
 Corner 2 1000N 1521E 0
 Corner 3 1000N 521E 0
 Corner 4 2000N 521E 0

The data presented is secondary field data, continuously normalized with respect to Channel 1.

Station : 1975N

1) -8.000428 2) 1.302303E-1 3) 2.823006E-1 4) 3.320966E-1
 5) 5.884690E-1 6) 1.811905 7) 3.764964 8) 1.515607E1
 9) -3.729136E1 10) -1.755332E2

Primary field strength (in Amp/m) : 5.270147E-3

Station : 2000N

1) -4.743147 2) 7.358532E-2 3) 2.319314E-1 4) 3.675387E-1
 5) 8.849136E-1 6) 2.610051 7) 6.017465 8) 1.988429E1
 9) -4.781593E1 10) -1.806534E2

Primary field strength (in Amp/m) : 2.604996E-3

Station : 2025N

1) -1.453108 2) 8.285035E-2 3) 2.819016E-1 4) 5.420051E-1
 5) 1.305265 6) 3.548878 7) 8.368714 8) 2.482119E1
 9) -5.411602E1 10) -1.833135E2

Primary field strength (in Amp/m) : 1.658117E-3

Station : 2050N

1) -4.390240E-1 2) 1.154365E-1 3) 3.777758E-1 4) 7.107467E-1
 5) 1.502817 6) 3.773184 7) 7.743822 8) 1.929443E1
 9) -7.246272E1 10) -1.860962E2

Primary field strength (in Amp/m) : 1.177939E-3

Station : 2075N

1) 1.041901 2) 1.359838E-1 3) 4.471444E-1 4) 8.350038E-1
 5) 1.765607 6) 3.708656 7) 6.848247 8) 1.153799E1
 9) -9.183565E1 10) -1.918034E2

Primary field strength (in Amp/m) : 8.906147E-4

Station : 2100N

1) 1.755297 2) 1.606869E-1 3) 5.296015E-1 4) 1.012037
 5) 1.865555 6) 3.275513 7) 4.237714 8) -4.038202
 9) -1.183792E2 10) -1.931688E2

Primary field strength (in Amp/m) : 7.012542E-4

Station : 2125N

1) 2.639902 2) 1.833553E-1 3) 6.088228E-1 4) 1.085254
5) 1.546180 6) 1.561673 7) -2.580633 8) -2.831244E1
9) -1.472608E2 10) -1.981771E2

Primary field strength (in Amp/m) : 5.682706E-4

Station : 2150N

1) 2.195203 2) 4.457144E-1 3) 1.031850 4) 1.725326
5) 2.472122 6) 1.789320 7) -1.960467 8) -3.118606E1
9) -1.492142E2 10) -1.961402E2

Primary field strength (in Amp/m) : 4.705698E-4

Station : 2175N

1) 4.120803 2) 2.516291E-1 3) 8.167354E-1 4) 1.594589
5) 2.768606 6) 3.313837 7) 1.708783 8) -2.463260E1
9) -1.417971E2 10) -1.942043E2

Primary field strength (in Amp/m) : 3.963222E-4

Station : 2200N

1) 5.280304 2) 2.277742E-1 3) 7.716537E-1 4) 1.891423
5) 3.436723 6) 4.738771 7) 2.995714 8) -2.109985E1
9) -1.354722E2 10) -1.943575E2

Primary field strength (in Amp/m) : 3.383902E-4

Station : 2225N

1) 7.093203 2) 3.064574E-1 3) 9.668142E-1 4) 2.198922
5) 3.844037 6) 5.479712 7) 4.491504 8) -2.112350E1
9) -1.369621E2 10) -1.933813E2

Primary field strength (in Amp/m) : 2.922192E-4

Station : 2250N

1) 7.423902 2) 2.436145E-1 3) 9.883292E-1 4) 2.356556
5) 4.375195 6) 5.890958 7) 3.983845 8) -2.667390E1
9) -1.358260E2 10) -1.960547E2

Primary field strength (in Amp/m) : 2.547727E-4

Station : 2275N

1) 7.610905 2) 3.153963E-1 3) 1.077859 4) 2.634856
5) 4.729349 6) 6.766413 7) 3.069383 8) -3.066125E1
9) -1.410376E2 10) -1.909894E2

Primary field strength (in Amp/m) : 2.239527E-4

Station : 2300N

1) 7.664704 2) 3.224799E-1 3) 1.161005 4) 2.812523
5) 5.285847 6) 6.411200 7) 4.935687E-1 8) -3.824588E1
9) -1.486708E2 10) -1.932918E2

Primary field strength (in Amp/m) : 1.982666E-4

Station : 2325N

1) 9.762801 2) 3.587700E-1 3) 1.276667 4) 3.196891
5) 5.751224 6) 6.523707 7) 1.109663 8) -4.383597E1
9) -1.477425E2 10) -2.037554E2

Primary field strength (in Amp/m) : 1.766261E-4

Station : 2350N

1) 9.473896 2) 4.198256E-1 3) 1.397052 4) 3.550627
5) 6.277206 6) 7.507272 7) 1.766678E-1 8) -4.496846E1
9) -1.498561E2 10) -2.000558E2

Primary field strength (in Amp/m) : 1.582208E-4

Station : 2375N

1) 9.879506 2) 3.977060E-1 3) 1.553330 4) 3.840384
5) 7.013309 6) 8.042812 7) 5.206588E-1 8) -4.908960E1
9) -1.528581E2 10) -2.004324E2

Primary field strength (in Amp/m) : 1.424355E-4

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Station : 2400N

- 1) 9.993005 2) 4.143870E-1 3) 1.671919 4) 4.180079
- 5) 7.390644 6) 8.585544 7) -1.372912 8) -5.483767E1
- 9) -1.610934E2 10) -1.880128E2

Primary field strength (in Amp/m) : 1.287966E-4

Station : 2425N

- 1) 1.081060E1 2) 5.290105E-1 3) 1.951973 4) 4.577995
- 5) 7.651611 6) 7.047876 7) -5.722650 8) -6.879041E1
- 9) -1.689070E2 10) -1.966282E2

Primary field strength (in Amp/m) : 1.169337E-4

Station : 2450N

- 1) 1.112610E1 2) 6.096697E-1 3) 1.977659 4) 4.770706
- 5) 7.469438 6) 5.273831 7) -1.369098E1 8) -8.487471E1
- 9) -1.757317E2 10) -1.974626E2

Primary field strength (in Amp/m) : 1.065535E-4

Station : 2475N

- 1) 1.138260E1 2) 5.558332E-1 3) 2.127704 4) 4.939909
- 5) 7.369462 6) 3.282556 7) -2.093492E1 8) -9.514290E1
- 9) -1.808786E2 10) -1.992118E2

Primary field strength (in Amp/m) : 9.742127E-5

Station : 2500N

- 1) 1.165540E1 2) 5.828642E-1 3) 2.362269 4) 5.390326
- 5) 8.369945 6) 4.997249 7) -1.961399E1 8) -9.641657E1
- 9) -1.807559E2 10) -1.933467E2

Primary field strength (in Amp/m) : 8.934718E-5

Station : 2525N

- 1) 1.121300E1 2) 6.967676E-1 3) 2.560663 4) 6.054952
- 5) 9.603009 6) 7.325487 7) -1.528680E1 8) -9.423306E1
- 9) -1.771585E2 10) -2.035723E2

Primary field strength (in Amp/m) : 8.217634E-5

Station : 2550N

- 1) 1.184959E1 2) 7.409974E-1 3) 2.694427 4) 6.485136
- 5) 1.063643E1 6) 7.976873 7) -1.612304E1 8) -9.623251E1
- 9) -1.809915E2 10) -1.896863E2

Primary field strength (in Amp/m) : 7.578110E-5

Station : 2575N

- 1) 1.134630E1 2) 7.801696E-1 3) 2.984110 4) 6.995553
- 5) 1.106170E1 6) 7.352915 7) -2.082954E1 8) -1.033511E2
- 9) -1.813328E2 10) -1.983697E2

Primary field strength (in Amp/m) : 7.005584E-5

Station : 2600N

- 1) 1.189220E1 2) 8.112337E-1 3) 3.033997 4) 7.148848
- 5) 1.226537E1 6) 8.645737 7) -2.178726E1 8) -1.004766E2
- 9) -1.820048E2 10) -2.018789E2

Primary field strength (in Amp/m) : 6.491202E-5

Station : 2625N

- 1) 1.157290E1 2) 9.026422E-1 3) 3.274009 4) 7.828429
- 5) 1.364641E1 6) 1.194709E1 7) -1.628566E1 8) -9.909654E1
- 9) -1.788124E2 10) -2.067345E2

Primary field strength (in Amp/m) : 6.027531E-5

Station : 2650N

- 1) 1.148649E1 2) 1.097361 3) 3.692204 4) 9.277093
- 5) 1.533568E1 6) 1.532743E1 7) -1.234950E1 8) -1.020904E2
- 9) -1.805947E2 10) -1.991496E2

Primary field strength (in Amp/m) : 5.608291E-5

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Station : 2675N

- 1) 1.181240E1
- 2) 9.507860E-1
- 3) 3.734654
- 4) 9.624689
- 5) 1.507373E1
- 6) 1.252150E1
- 7) -2.269783E1
- 8) -1.146238E2
- 9) -1.851091E2
- 10) -1.946250E2

Primary field strength (in Amp/m) : 5.228126E-5

Station : 2700N

- 1) 1.203240E1
- 2) 1.084778
- 3) 4.003571
- 4) 9.947831
- 5) 1.493095E1
- 6) 9.515822
- 7) -3.211558E1
- 8) -1.308562E2
- 9) -1.854763E2
- 10) -2.041160E2

Primary field strength (in Amp/m) : 4.882473E-5

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Area : BEULAH PROSPECT
For : CRA EXPLORATION PTY LTD
Date : May 6, 1983
Job : 3101
Loop : 0001
Line : 900_me
Component : Hz
Frequency : 26.230

Channel delay times and widths are (usec) :
Ch1 1.443840E4 Ch2 7.219200E3 Ch3 3.609600E3 Ch4 1.804800E3
Ch5 9.024001E2 Ch6 4.512000E2 Ch7 2.256000E2 Ch8 1.128000E2
Ch9 5.640000E1 Ch10 2.820000E1

Loop corner grid coordinates (corner , x , y , arbitrary elev)
Corner 1 2000N 1521E 0
Corner 2 1000N 1521E 0
Corner 3 1000N 521E 0
Corner 4 2000N 521E 0

The data presented is secondary field data, continuously normalized with respect to Channel 1.

Station : 1975N

1) -1.154780E-1 2) 7.323736E-2 3) 1.063263E-1 4) 1.413070E-2
5) 3.713485E-2 6) 7.619596E-1 7) 1.507724 8) 8.405689
9) -2.378420E1 10) -1.573619E2

Primary field strength (in Amp/m) : 1.024159E-2

Station : 2000N

1) -4.148424 2) 8.916609E-2 3) 1.624254E-1 4) 1.698129E-1
5) 3.696982E-1 6) 1.460890 7) 3.314747 8) 1.290069E1
9) -3.744221E1 10) -1.697229E2

Primary field strength (in Amp/m) : 3.621321E-3

Station : 2025N

1) 1.615298 2) 1.038232E-1 3) 2.126674E-1 4) 2.946466E-1
5) 5.866302E-1 6) 1.721693 7) 3.822558 8) 1.281579E1
9) -5.275106E1 10) -1.775290E2

Primary field strength (in Amp/m) : 2.101897E-3

Station : 2050N

1) 9.493947E-1 2) 1.589939E-1 3) 3.481947E-1 4) 4.945060E-1
5) 8.060581E-1 6) 1.682626 7) 2.919293 8) 5.581708
9) -7.961100E1 10) -1.850843E2

Primary field strength (in Amp/m) : 1.432435E-3

Station : 2075N

1) 2.366304 2) 1.384168E-1 3) 3.597835E-1 4) 5.266383E-1
5) 8.523242E-1 6) 1.134456 7) 3.250104E-1 8) -5.562455
9) -9.661430E1 10) -1.880322E2

Primary field strength (in Amp/m) : 1.058432E-3

Station : 2100N

1) 2.666795 2) 1.502964E-1 3) 4.165894E-1 4) 6.920439E-1
5) 9.942855E-1 6) 5.200344E-1 7) -2.021489 8) -1.721668E1
9) -1.167048E2 10) -1.911110E2

Primary field strength (in Amp/m) : 8.214373E-4

Station : 2125N

1) 3.300405 2) 1.921535E-1 3) 5.008617E-1 4) 8.444209E-1
5) 1.153521 6) 4.581750E-1 7) -4.474924 8) -2.892802E1
9) -1.338618E2 10) -1.952964E2

Primary field strength (in Amp/m) : 5.90212E-4

Station : 2150N

1) 3.769004 2) 2.542168E-1 3) 6.208891E-1 4) 1.121430
 5) 1.582740 6) 1.112470 7) -3.371047 8) -2.814984E1
 9) -1.353669E2 10) -1.938554E2

Primary field strength (in Amp/m) : 5.416040E-4

Station : 2175N

1) 4.312599 2) 2.288359E-1 3) 6.626230E-1 4) 1.297259
 5) 2.101853 6) 2.043478 7) -1.721263 8) -2.516335E1
 9) -1.328966E2 10) -1.952438E2

Primary field strength (in Amp/m) : 4.533618E-4

Station : 2200N

1) 4.964101 2) 2.956266E-1 3) 8.160906E-1 4) 1.547389
 5) 2.497800 6) 2.820968 7) -1.023018 8) -2.722980E1
 9) -1.348076E2 10) -1.924685E2

Primary field strength (in Amp/m) : 3.850647E-4

Station : 2225N

1) 6.541395 2) 3.068362E-1 3) 8.969336E-1 4) 1.770303
 5) 3.065767 6) 3.471055 7) 5.996751E-1 8) -2.493220E1
 9) -1.263330E2 10) -1.924402E2

Primary field strength (in Amp/m) : 3.309684E-4

Station : 2250N

1) 7.336700 2) 2.838721E-1 3) 8.937307E-1 4) 1.961960
 5) 3.516138 6) 4.113413 7) 1.545137 8) -2.541109E1
 9) -1.271433E2 10) -1.968329E2

Primary field strength (in Amp/m) : 2.873112E-4

Station : 2275N

1) 8.104599 2) 3.144190E-1 3) 1.050100 4) 2.243013
 5) 3.933232 6) 4.976109 7) 2.332036E-1 8) -2.733780E1
 9) -1.298128E2 10) -1.969858E2

Primary field strength (in Amp/m) : 2.515320E-4

Station : 2300N

1) 8.473301 2) 3.064378E-1 3) 1.046981 4) 2.437655
 5) 4.219926 6) 4.759974 7) -1.538673E-1 8) -3.337799E1
 9) -1.348546E2 10) -1.882576E2

Primary field strength (in Amp/m) : 2.218253E-4

Station : 2325N

1) 8.534098 2) 3.442254E-1 3) 1.155670 4) 2.648668
 5) 4.865473 6) 5.267933 7) -2.143995E-1 8) -3.629657E1
 9) -1.319961E2 10) -1.936435E2

Primary field strength (in Amp/m) : 1.968850E-4

Station : 2350N

1) 8.150101 2) 4.404953E-1 3) 1.312712 4) 3.067407
 5) 5.202216 6) 5.540543 7) -8.959813E-1 8) -3.894170E1
 9) -1.378085E2 10) -1.962689E2

Primary field strength (in Amp/m) : 1.757437E-4

Station : 2375N

1) 7.875895 2) 3.631999E-1 3) 1.403470 4) 3.269595
 5) 5.680790 6) 6.149104 7) -3.505315 8) -4.547673E1
 9) -1.399811E2 10) -1.991435E2

Primary field strength (in Amp/m) : 1.576707E-4

Station : 2400N

1) 9.677399 2) 4.647294E-1 3) 1.537693 4) 3.635111
 5) 6.263821 6) 5.405130 7) -4.585906 8) -5.545437E1
 9) -1.459740E2 10) -1.947632E2

Primary field strength (in Amp/m) : 1.421046E-4

Station : 2425N

1) 1.003600E1 2) 4.492178E-1 3) 1.632275 4) 3.831920
5) 6.348558 6) 4.740626 7) -1.005266E1 8) -6.525304E1
9) -1.551789E2 10) -1.958957E2

Primary field strength (in Amp/m) : 1.286077E-4

Station : 2450N

1) 1.044960E1 2) 4.948849E-1 3) 1.775021 4) 4.263034
5) 6.305584 6) 4.094360 7) -1.510838E1 8) -7.564775E1
9) -1.633068E2 10) -1.957699E2

Primary field strength (in Amp/m) : 1.168345E-4

Station : 2475N

1) 1.140341E1 2) 5.704429E-1 3) 1.897959 4) 4.357491
5) 6.828600 6) 3.940988 7) -1.659785E1 8) -8.368536E1
9) -1.640426E2 10) -1.991037E2

Primary field strength (in Amp/m) : 1.065085E-4

Station : 2500N

1) 1.195691E1 2) 6.062102E-1 3) 2.054085 4) 4.807921
5) 7.735743 6) 3.536171 7) -2.084856E1 8) -8.918099E1
9) -1.684874E2 10) -2.021140E2

Primary field strength (in Amp/m) : 9.740639E-5

Station : 2525N

1) 1.287110E1 2) 7.024798E-1 3) 2.303515 4) 5.371527
5) 7.725187 6) 3.577796 7) -2.225135E1 8) -9.875300E1
9) -1.703293E2 10) -2.002471E2

Primary field strength (in Amp/m) : 8.934677E-5

Station : 2550N

1) 1.309500E1 2) 6.567974E-1 3) 2.368101 4) 5.504224
5) 8.165355 6) 2.325654 7) -2.767272E1 8) -1.048117E2
9) -1.838327E2 10) -1.948989E2

Primary field strength (in Amp/m) : 8.217991E-5

Station : 2575N

1) 1.396240E1 2) 7.353351E-1 3) 2.697383 4) 6.047788
5) 8.849504 6) 3.566883 7) -2.887317E1 8) -1.074524E2
9) -1.807888E2 10) -1.947042E2

Primary field strength (in Amp/m) : 7.578245E-5

Station : 2600N

1) 1.332890E1 2) 7.807427E-1 3) 2.668955 4) 6.698032
5) 9.887778 6) 5.077526 7) -2.703089E1 8) -1.084543E2
9) -1.748759E2 10) -1.962436E2

Primary field strength (in Amp/m) : 7.005080E-5

Station : 2625N

1) 1.346229E1 2) 9.074475E-1 3) 3.153477 4) 7.351879
5) 1.138916E1 6) 7.793867 7) -2.773747E1 8) -1.049795E2
9) -1.833611E2 10) -1.950159E2

Primary field strength (in Amp/m) : 6.489861E-5

Station : 2650N

1) 1.346650E1 2) 9.378080E-1 3) 3.333498 4) 7.769077
5) 1.285472E1 6) 8.830091 7) -2.611617E1 8) -1.067997E2
9) -1.795170E2 10) -1.983356E2

Primary field strength (in Amp/m) : 6.025258E-5

Station : 2675N

1) 1.399170E1 2) 9.115573E-1 3) 3.291995 4) 8.726954
5) 1.289463E1 6) 9.757112 7) -2.709849E1 8) -1.100733E2
9) -1.742362E2 10) -1.997963E2

Primary field strength (in Amp/m) : 5.605075E-5

Station : 2700N

1) 1.321020E1 2) 1.049642 3) 3.768570 4) 9.001217
5) 1.497728E1 6) 9.791519 7) -2.778922E1 8) -1.168677E2
9) -1.766049E2 10) -2.055015E2

Primary field strength (in Amp/m) : 5.224007E-5

Station : 2725N

1) 1.351070E1 2) 1.125618 3) 4.034596 4) 9.913246
5) 1.577886E1 6) 1.056226E1 7) -2.879261E1 8) -1.182541E2
9) -1.833407E2 10) -2.042077E2

Primary field strength (in Amp/m) : 4.877519E-5

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Area : BEULAH PROSPECT
 For : CRA EXPLORATION PTY LTD
 Date : May 6, 1983
 Job : 3101
 Loop : 0001
 Line : 1000mE
 Component : Hz
 Frequency : 26.230

Channel delay times and widths are (usec) :

Ch1 1.443840E4 Ch2 7.219200E3 Ch3 3.609600E3 Ch4 1.804800E3
 Ch5 9.024001E2 Ch6 4.512000E2 Ch7 2.256000E2 Ch8 1.128000E2
 Ch9 5.640000E1 Ch10 2.820000E1

Loop corner grid coordinates (corner , x , y , arbitrary elev)

Corner 1 2000N 1521E 0
 Corner 2 1000N 1521E 0
 Corner 3 1000N 521E 0
 Corner 4 2000N 521E 0

The data presented is secondary field data, continuously normalized with respect to Channel 1.

Station : 2000N

1) -1.774898E1 2) 1.282082E-1 3) 1.457379E-1 4) 3.465360E-2
 5) -3.618989E-2 6) 3.368255E-1 7) 3.921901E-2 8) 4.959052
 9) -4.623994E1 10) -1.697194E2

Primary field strength (in Amp/m) : 6.886396E-3

Station : 2025N

1) -2.801806 2) 1.575137E-1 3) 2.019789E-1 4) 1.756162E-1
 5) 1.941173E-1 6) 6.537071E-1 7) 7.772418E-1 8) 6.330677
 9) -5.524897E1 10) -1.751801E2

Primary field strength (in Amp/m) : 3.047992E-3

Station : 2050N

1) -1.227128 2) 1.636621E-1 3) 2.654040E-1 4) 3.132276E-1
 5) 5.388642E-1 6) 1.177250 7) 1.911590 8) 8.328332
 9) -5.770318E1 10) -1.770709E2

Primary field strength (in Amp/m) : 1.881619E-3

Station : 2075N

1) -1.728421 2) 1.761666E-1 3) 3.106039E-1 4) 4.283435E-1
 5) 5.866296E-1 6) 7.254825E-1 7) -5.728614E-1 8) -3.358823
 9) -8.741930E1 10) -1.848778E2

Primary field strength (in Amp/m) : 1.321152E-3

Station : 2100N

1) -1.115912 2) 2.003677E-1 3) 4.016275E-1 4) 5.729838E-1
 5) 7.049188E-1 6) 1.325437E-1 7) -3.080212 8) -1.603111E1
 9) -1.106475E2 10) -1.897929E2

Primary field strength (in Amp/m) : 9.939755E-4

Station : 2125N

1) -9.375811E-2 2) 1.977390E-1 3) 4.520840E-1 4) 6.855955E-1
 5) 9.159213E-1 6) -1.581900E-1 7) -4.975818 8) -2.594669E1
 9) -1.291947E2 10) -1.944916E2

Primary field strength (in Amp/m) : 7.809448E-4

Station : 2150N

1) 1.338506 2) 1.390325E-1 3) 3.768547E-1 4) 7.125607E-1
 5) 1.086745 6) 3.735962E-1 7) -4.128491 8) -2.526643E1
 9) -1.304083E2 10) -1.943837E2

Primary field strength (in Amp/m) : 6.321794E-4

Station : 2175N

1) 1.514101 2) 2.771965E-1 3) 6.291732E-1 4) 1.141714
 5) 1.746755 6) 1.469547 7) -2.497828 8) -2.512930E1
 9) -1.281597E2 10) -1.953450E2

Primary field strength (in Amp/m) : 5.231134E-4

Station : 2200N

1) 1.384103 2) 3.005392E-1 3) 7.501133E-1 4) 1.353461
 5) 1.979690 6) 1.263899 7) -3.864527 8) -2.974729E1
 9) -1.342859E2 10) -1.922565E2

Primary field strength (in Amp/m) : 4.402440E-4

Station : 2225N

1) 1.856303 2) 3.148522E-1 3) 7.768781E-1 4) 1.503688
 5) 2.267505 6) 1.446738 7) -5.232513 8) -3.533269E1
 9) -1.413537E2 10) -1.957966E2

Primary field strength (in Amp/m) : 3.755339E-4

Station : 2250N

1) 1.794803 2) 3.277135E-1 3) 8.272471E-1 4) 1.800585
 5) 2.592958 6) 1.254385 7) -6.065515 8) -4.042069E1
 9) -1.424048E2 10) -1.960872E2

Primary field strength (in Amp/m) : 3.239012E-4

Station : 2275N

1) 2.155697 2) 3.625908E-1 3) 9.784070E-1 4) 2.025733
 5) 2.994653 6) 1.452884 7) -7.186460 8) -4.534625E1
 9) -1.456819E2 10) -1.955985E2

Primary field strength (in Amp/m) : 2.819757E-4

Station : 2300N

1) 2.680600 2) 3.077504E-1 3) 1.015479 4) 2.162531
 5) 3.135263 6) 1.615690 7) -8.029224 8) -5.016854E1
 9) -1.486485E2 10) -1.952177E2

Primary field strength (in Amp/m) : 2.474356E-4

Station : 2325N

1) 3.831196 2) 3.227443E-1 3) 1.062205 4) 2.400151
 5) 3.767466 6) 2.224767 7) -8.628401 8) -5.244808E1
 9) -1.472480E2 10) -1.950319E2

Primary field strength (in Amp/m) : 2.186301E-4

Station : 2350N

1) 4.198003 2) 4.366668E-1 3) 1.358371 4) 2.862908
 5) 4.225124 6) 3.312915 7) -7.686304 8) -5.234420E1
 9) -1.425912E2 10) -1.933717E2

Primary field strength (in Amp/m) : 1.943546E-4

Station : 2375N

1) 4.859197 2) 4.534672E-1 3) 1.281152 4) 3.062779
 5) 5.025598 6) 3.430891 7) -7.235762 8) -5.172560E1
 9) -1.431252E2 10) -1.928594E2

Primary field strength (in Amp/m) : 1.737099E-4

Station : 2400N

1) 5.703104 2) 3.876838E-1 3) 1.473844 4) 3.318815
 5) 5.399549 6) 4.037625 7) -8.292251 8) -5.375190E1
 9) -1.447119E2 10) -1.948017E2

Primary field strength (in Amp/m) : 1.560124E-4

Station : 2425N

1) 5.707204 2) 4.545545E-1 3) 1.566779 4) 3.705420
 5) 5.306448 6) 3.268649 7) -1.433113E1 8) -6.441536E1
 9) -1.565487E2 10) -1.907818E2

Primary field strength (in Amp/m) : 1.407337E-4

Station : 2450N

1) 5.076301 2) 4.922151E-1 3) 1.707516 4) 3.881086
5) 5.986700 6) 3.148947 7) -1.568771E1 8) -7.201538E1
9) -1.551613E2 10) -1.964296E2

Primary field strength (in Amp/m) : 1.274590E-4

Station : 2475N

1) 5.592501 2) 5.908504E-1 3) 1.865656 4) 4.297371
5) 6.319580 6) 2.172879 7) -1.958667E1 8) -8.054438E1
9) -1.648856E2 10) -1.955593E2

Primary field strength (in Amp/m) : 1.158596E-4

Station : 2500N

1) 5.227399 2) 5.628793E-1 3) 2.003951 4) 4.630075
5) 6.957416 6) 2.052891 7) -2.309930E1 8) -8.823302E1
9) -1.670145E2 10) -1.958535E2

Primary field strength (in Amp/m) : 1.056711E-4

Station : 2525N

1) 5.514705 2) 6.551643E-1 3) 2.134859 4) 5.196236
5) 7.593443 6) 2.198082 7) -2.482416E1 8) -9.618394E1
9) -1.726981E2 10) -1.945250E2

Primary field strength (in Amp/m) : 9.667901E-5

Station : 2550N

1) 5.442405 2) 6.826453E-1 3) 2.473480 4) 5.577260
5) 8.416534 6) 3.976575 7) -2.531113E1 8) -9.866309E1
9) -1.735758E2 10) -2.018804E2

Primary field strength (in Amp/m) : 8.870842E-5

Station : 2575N

1) 6.666303 2) 7.315303E-1 3) 2.494228 4) 5.885547
5) 8.981095 6) 4.770571 7) -2.541896E1 8) -1.027755E2
9) -1.714932E2 10) -1.918674E2

Primary field strength (in Amp/m) : 8.161451E-5

Station : 2600N

1) 6.527603 2) 7.796058E-1 3) 2.730931 4) 6.751115
5) 1.069169E1 6) 5.712417 7) -2.360343E1 8) -1.026519E2
9) -1.769359E2 10) -1.982101E2

Primary field strength (in Amp/m) : 7.527714E-5

Station : 2625N

1) 6.183505 2) 8.582269E-1 3) 2.960442 4) 7.354155
5) 1.227045E1 6) 8.127059 7) -2.313931E1 8) -1.019503E2
9) -1.785147E2 10) -1.973332E2

Primary field strength (in Amp/m) : 6.959595E-5

Station : 2650N

1) 6.345797 2) 9.503941E-1 3) 3.241029 4) 8.067555
5) 1.309511E1 6) 9.856348 7) -2.247419E1 8) -1.065212E2
9) -1.697934E2 10) -2.067505E2

Primary field strength (in Amp/m) : 6.448626E-5

Station : 2675N

1) 6.254804 2) 1.044843 3) 3.546375 4) 8.417030
5) 1.459981E1 6) 1.019022E1 7) -2.550653E1 8) -1.080731E2
9) -1.728931E2 10) -1.949854E2

Primary field strength (in Amp/m) : 5.987660E-5

Station : 2700N

1) 6.039500 2) 1.007269 3) 3.717011 4) 8.818224
5) 1.512106E1 6) 1.104909E1 7) -2.856358E1 8) -1.129290E2
9) -1.752738E2 10) -2.011457E2

Primary field strength (in Amp/m) : 5.570609E-5

022

Station : 2725N

- 1) 6.411600 2) 1.255975 3) 4.033585 4) 9.673194
- 5) 1.626139E1 6) 1.059292E1 7) -3.036503E1 8) -1.157406E2
- 9) -1.820648E2 10) -1.983915E2

Primary field strength (in Amp/m) : 5.192261E-5

Station : 2750N

- 1) 6.509304 2) 1.171820 3) 4.191648 4) 1.057879E1
- 5) 1.700490E1 6) 1.182639E1 7) -3.037046E1 8) -1.214053E2
- 9) -1.768272E2 10) -2.069490E2

Primary field strength (in Amp/m) : 4.848158E-5

023

Area : BEULAH PROSPECT
 For : CRA EXPLORATION PTY LTD
 Date : May 6, 1983
 Job : 3101
 Loop : 0001
 Line : 1100mE
 Component : Hz
 Frequency : 26.230

Channel delay times and widths are (usec) :
 Ch1 1.443840E4 Ch2 7.219200E3 Ch3 3.609600E3 Ch4 1.804800E3
 Ch5 9.024001E2 Ch6 4.512000E2 Ch7 2.256000E2 Ch8 1.128000E2
 Ch9 5.640000E1 Ch10 2.820000E1

Loop corner grid coordinates (corner , x , y , arbitrary elev)
 Corner 1 2000N 1521E 0
 Corner 2 1000N 1521E 0
 Corner 3 1000N 521E 0
 Corner 4 2000N 521E 0

The data presented is secondary field data, continuously normalized with respect to Channel 1.

Station : 2025N

- 1) -2.823691E1 2) 1.493374E-1 3) 1.714723E-1 4) 8.940313E-2
- 5) 8.926193E-2 6) 6.620765E-1 7) 7.759982E-1 8) 8.397299
- 9) -3.860653E1 10) -1.669882E2

Primary field strength (in Amp/m) : 6.012546E-3

Station : 2050N

- 1) -1.616369E1 2) 1.514994E-1 3) 2.246861E-1 4) 2.019140E-1
- 5) 2.177969E-1 6) 4.087122E-1 7) -3.356606E-1 8) 2.791915
- 9) -6.525456E1 10) -1.778095E2

Primary field strength (in Amp/m) : 2.839609E-3

Station : 2075N

- 1) -1.231039E1 2) 1.254021E-1 3) 2.473512E-1 4) 2.745130E-1
- 5) 2.757160E-1 6) -2.476503E-1 7) -2.992596 8) -9.503290
- 9) -1.007269E2 10) -1.866684E2

Primary field strength (in Amp/m) : 1.788530E-3

Station : 2100N

- 1) -1.237105E1 2) 1.851487E-1 3) 3.812553E-1 4) 5.227491E-1
- 5) 6.498976E-1 6) 1.922363E-1 7) -2.693872 8) -1.131322E1
- 9) -9.718368E1 10) -1.857492E2

Primary field strength (in Amp/m) : 1.267765E-3

Station : 2125N

- 1) -1.067053E1 2) 1.922333E-1 3) 4.633950E-1 4) 6.525456E-1
- 5) 6.443119E-1 6) -6.151933E-1 7) -6.038361 8) -2.496740E1
- 9) -1.203955E2 10) -1.894290E2

Primary field strength (in Amp/m) : 9.589792E-4

Station : 2150N

- 1) -8.489455 2) 2.240811E-1 3) 5.190608E-1 4) 8.155256E-1
- 5) 9.696461E-1 6) -3.768599E-1 7) -6.226548 8) -2.876586E1
- 9) -1.272462E2 10) -1.927833E2

Primary field strength (in Amp/m) : 7.560499E-4

Station : 2175N

- 1) -7.969332 2) 2.417717E-1 3) 6.028361E-1 4) 1.000092
- 5) 1.321953 6) 2.946338E-1 7) -6.097279 8) -2.843008E1
- 9) -1.266442E2 10) -1.914237E2

Primary field strength (in Amp/m) : 6.134876E-4

Station : 2200N

1) -1.038169E1 2) 2.490247E-1 3) 6.770928E-1 4) 1.260221
5) 1.811219 6) 4.410707E-1 7) -5.955808 8) -3.186449E1
9) -1.296056E2 10) -1.890429E2

Primary field strength (in Amp/m) : 5.085422E-4

Station : 2225N

1) -8.946753 2) 2.900525E-1 3) 7.361713E-1 4) 1.380369
5) 2.000144 6) 7.066286E-1 7) -6.807183 8) -3.574584E1
9) -1.301116E2 10) -1.920661E2

Primary field strength (in Amp/m) : 4.285733E-4

Station : 2250N

1) -7.747632 2) 3.217405E-1 3) 7.809204E-1 4) 1.595968
5) 2.329005 6) 5.199912E-1 7) -7.994958 8) -4.064035E1
9) -1.384313E2 10) -1.927460E2

Primary field strength (in Amp/m) : 3.659961E-4

Station : 2275N

1) -7.563543 2) 3.530054E-1 3) 9.319418E-1 4) 1.956725
5) 2.472475 6) 3.728270E-1 7) -1.063821E1 8) -4.925081E1
9) -1.434749E2 10) -1.954248E2

Primary field strength (in Amp/m) : 3.159851E-4

Station : 2300N

1) -6.246781 2) 3.699112E-1 3) 1.002849 4) 2.072009
5) 3.102736 6) 5.667428E-1 7) -1.089049E1 8) -5.239543E1
9) -1.474495E2 10) -1.933858E2

Primary field strength (in Amp/m) : 2.753255E-4

Station : 2325N

1) -5.956948 2) 3.393501E-1 3) 1.091318 4) 2.384856
5) 2.953471 6) -3.822585E-1 7) -1.465724E1 8) -6.286810E1
9) -1.543771E2 10) -1.934493E2

Primary field strength (in Amp/m) : 2.417940E-4

Station : 2350N

1) -4.813475 2) 3.901589E-1 3) 1.283278 4) 2.603921
5) 3.304963 6) -1.338107 7) -2.014455E1 8) -7.611736E1
9) -1.623142E2 10) -1.922048E2

Primary field strength (in Amp/m) : 2.138055E-4

Station : 2375N

1) -5.317884 2) 3.906321E-1 3) 1.317845 4) 2.784390
5) 3.088450 6) -2.736987 7) -2.656599E1 8) -8.702033E1
9) -1.673185E2 10) -1.979066E2

Primary field strength (in Amp/m) : 1.902005E-4

Station : 2400N

1) -6.216139 2) 4.829061E-1 3) 1.509738 4) 3.239193
5) 4.567048 6) -6.490525E-1 7) -2.226667E1 8) -8.137419E1
9) -1.627759E2 10) -1.917469E2

Primary field strength (in Amp/m) : 1.701122E-4

Station : 2425N

1) -6.605029 2) 4.818919E-1 3) 1.728666 4) 3.700614
5) 5.380815 6) 7.215997E-1 7) -1.945993E1 8) -8.099455E1
9) -1.606266E2 10) -1.935337E2

Primary field strength (in Amp/m) : 1.528805E-4

Station : 2450N

1) -6.225389 2) 5.185419E-1 3) 1.829068 4) 4.058230
5) 6.060821 6) 2.007523 7) -1.950500E1 8) -8.274216E1
9) -1.597339E2 10) -1.904227E2

Primary field strength (in Amp/m) : 1.379947E-4

Station : 2475N

1) -6.283128 2) 6.282356E-1 3) 2.021035 4) 4.527821
5) 6.816093 6) 3.065061 7) -2.201026E1 8) -8.460372E1
9) -1.637794E2 10) -1.976331E2

Primary field strength (in Amp/m) : 1.250537E-4

Station : 2500N

1) -6.222147 2) 5.839266E-1 3) 2.136422 4) 4.995159
5) 7.221054 6) 3.095642 7) -2.318191E1 8) -8.973994E1
9) -1.674220E2 10) -1.990065E2

Primary field strength (in Amp/m) : 1.137392E-4

Station : 2525N

1) -6.229859 2) 7.563810E-1 3) 2.423192 4) 5.642798
5) 8.266880 6) 3.826508 7) -2.494157E1 8) -9.588424E1
9) -1.711289E2 10) -1.976046E2

Primary field strength (in Amp/m) : 1.037954E-4

Station : 2550N

1) -5.402535 2) 7.086590E-1 3) 2.622366 4) 6.044697
5) 9.142672 6) 4.279318 7) -2.263146E1 8) -1.006917E2
9) -1.719096E2 10) -1.983948E2

Primary field strength (in Amp/m) : 9.501430E-5

Station : 2575N

1) -4.096794 2) 7.941572E-1 3) 2.779323 4) 6.417608
5) 1.028953E1 6) 5.698548 7) -2.474509E1 8) -1.022972E2
9) -1.755212E2 10) -1.993732E2

Primary field strength (in Amp/m) : 8.722628E-5

Station : 2600N

1) -3.547090 2) 8.212958E-1 3) 3.008581 4) 7.150012
5) 1.195795E1 6) 7.532780 7) -2.271738E1 8) -1.070884E2
9) -1.731934E2 10) -1.974312E2

Primary field strength (in Amp/m) : 8.029109E-5

Station : 2625N

1) -3.537256 2) 9.065259E-1 3) 3.187874 4) 7.976606
5) 1.281185E1 6) 1.041983E1 7) -2.168932E1 8) -1.063066E2
9) -1.837001E2 10) -1.873212E2

Primary field strength (in Amp/m) : 7.409216E-5

Station : 2650N

1) -4.180819 2) 9.589264E-1 3) 3.384611 4) 8.755259
5) 1.445161E1 6) 1.144856E1 7) -1.912796E1 8) -1.051642E2
9) -1.763760E2 10) -1.980974E2

Primary field strength (in Amp/m) : 6.853210E-5

Station : 2675N

1) -3.500062 2) 1.015448 3) 3.803378 4) 8.860696
5) 1.538691E1 6) 1.095189E1 7) -2.555764E1 8) -1.136101E2
9) -1.795172E2 10) -2.005641E2

Primary field strength (in Amp/m) : 6.352877E-5

Station : 2700N

1) -3.030580 2) 1.119470 3) 3.904100 4) 9.443881
5) 1.477031E1 6) 8.590011 7) -3.362123E1 8) -1.269638E2
9) -1.833426E2 10) -2.011729E2

Primary field strength (in Amp/m) : 5.901271E-5

026

Area : BEULAH PROSPECT
 For : CRA EXPLORATION PTY LTD
 Date : May 6, 1983
 Job : 3101
 Loop : 0001
 Line : ~~1200ME~~
 Component : Hz
 Frequency : 26.230

Channel delay times and widths are (usec) :
 Ch1 1.443840E4 Ch2 7.219200E3 Ch3 3.609600E3 Ch4 1.804800E3
 Ch5 9.024001E2 Ch6 4.512000E2 Ch7 2.256000E2 Ch8 1.128000E2
 Ch9 5.640000E1 Ch10 2.820000E1

Loop corner grid coordinates (corner , x , y , arbitrary elev)
 Corner 1 2000N 1521E 0
 Corner 2 1000N 1521E 0
 Corner 3 1000N 521E 0
 Corner 4 2000N 521E 0

The data presented is secondary field data, continuously normalized with respect to Channel 1.

Station : 2025N

- 1) -2.193863E1 2) 6.774317E-2 3) 1.632800E-1 4) 1.124879E-1
- 5) -4.123231E-4 6) 5.461755E-2 7) -1.227257 8) 2.410296
- 9) -5.576201E1 10) -1.669104E2

Primary field strength (in Amp/m) : 5.977606E-3

Station : 2050N

- 1) -1.282833E1 2) 1.039523E-1 3) 2.586534E-1 4) 2.628722E-1
- 5) 1.791934E-1 6) -1.209438E-1 7) -2.357590 8) -3.525591
- 9) -7.245339E1 10) -1.724990E2

Primary field strength (in Amp/m) : 2.807801E-3

Station : 2075N

- 1) -1.002824E1 2) 1.227844E-1 3) 3.304525E-1 4) 4.292087E-1
- 5) 4.561054E-1 6) 6.890472E-2 7) -2.144254 8) -4.649118
- 9) -7.548488E1 10) -1.728860E2

Primary field strength (in Amp/m) : 1.759755E-3

Station : 2100N

- 1) -8.075166 2) 1.401336E-1 3) 3.852117E-1 4) 5.607936E-1
- 5) 5.894143E-1 6) -2.116917E-1 7) -3.898770 8) -1.320214E1
- 9) -9.411873E1 10) -1.801602E2

Primary field strength (in Amp/m) : 1.241881E-3

Station : 2125N

- 1) -8.933962 2) 1.678585E-1 3) 4.762688E-1 4) 7.079823E-1
- 5) 5.824649E-1 6) -9.369797E-1 7) -7.316761 8) -2.756627E1
- 9) -1.173471E2 10) -1.852278E2

Primary field strength (in Amp/m) : 9.358136E-4

Station : 2150N

- 1) -9.220398 2) 1.869629E-1 3) 5.694245E-1 4) 8.515793E-1
- 5) 8.896483E-1 6) -7.727627E-1 7) -7.741619 8) -3.072488E1
- 9) -1.205543E2 10) -1.886449E2

Primary field strength (in Amp/m) : 7.354049E-4

Station : 2175N

- 1) -8.628875 2) -1.073484E-1 3) 1.242373E-1 4) 5.205965E-1
- 5) 7.718827E-1 6) -1.031845 7) -7.939981 8) -3.133327E1
- 9) -1.228146E2 10) -1.882409E2

Primary field strength (in Amp/m) : 5.951535E-4

Station : 2200N

1) -7.779855 2) 2.087710E-1 3) 6.696431E-1 4) 1.234225
 5) 1.592221 6) -1.438731E-2 7) -7.891346 8) -3.327620E1
 9) -1.261586E2 10) -1.904419E2

Primary field strength (in Amp/m) : 4.923064E-4

Station : 2225N

1) -7.832712 2) 2.634917E-1 3) 7.858835E-1 4) 1.546080
 5) 2.026184 6) -6.602813E-2 7) -8.826876 8) -3.829421E1
 9) -1.291593E2 10) -1.890373E2

Primary field strength (in Amp/m) : 4.142257E-4

Station : 2250N

1) -8.108301 2) 2.886838E-1 3) 8.673421E-1 4) 1.709712
 5) 2.177031 6) -2.045811E-2 7) -1.056227E1 8) -4.506050E1
 9) -1.350395E2 10) -1.873165E2

Primary field strength (in Amp/m) : 3.533364E-4

Station : 2275N

1) -8.293075 2) 3.701253E-1 3) 1.008282 4) 1.995636
 5) 2.584345 6) -1.621358E-1 7) -1.246763E1 8) -5.044496E1
 9) -1.411109E2 10) -1.891968E2

Primary field strength (in Amp/m) : 3.048250E-4

Station : 2300N

1) -8.032168 2) 3.406236E-1 3) 1.114459 4) 2.239034
 5) 2.768450 6) -3.730093E-1 7) -1.517554E1 8) -5.773972E1
 9) -1.459793E2 10) -1.906999E2

Primary field strength (in Amp/m) : 2.654920E-4

Station : 2325N

1) -6.276238 2) 3.236023E-1 3) 1.063524 4) 2.372611
 5) 2.706465 6) -1.549449 7) -1.896212E1 8) -6.921495E1
 9) -1.539600E2 10) -1.936772E2

Primary field strength (in Amp/m) : 2.331296E-4

Station : 2350N

1) -5.756140 2) 4.046043E-1 3) 1.230725 4) 2.633900
 5) 3.041059 6) -2.614648 7) -2.300116E1 8) -8.087868E1
 9) -1.649722E2 10) -1.925561E2

Primary field strength (in Amp/m) : 2.061686E-4

Station : 2375N

1) -5.554563 2) 4.577252E-1 3) 1.375353 4) 2.943754
 5) 3.420083 6) -1.940984 7) -2.504460E1 8) -8.545685E1
 9) -1.652901E2 10) -1.929047E2

Primary field strength (in Amp/m) : 1.834650E-4

Station : 2400N

1) -4.135346 2) 4.412681E-1 3) 1.509753 4) 3.421555
 5) 4.113435 6) -4.774918E-1 7) -2.388376E1 8) -8.817551E1
 9) -1.673944E2 10) -1.995558E2

Primary field strength (in Amp/m) : 1.641663E-4

Station : 2425N

1) -3.600550 2) 4.843338E-1 3) 1.704381 4) 3.800176
 5) 5.290226 6) -2.679380E-1 7) -2.345345E1 8) -8.611937E1
 9) -1.682797E2 10) -1.913879E2

Primary field strength (in Amp/m) : 1.476259E-4

Station : 2450N

1) -4.397220 2) 5.826745E-1 3) 1.923397 4) 4.242381
 5) 5.947541 6) 1.669374 7) -2.507086E1 8) -8.671042E1
 9) -1.676234E2 10) -1.934547E2

Primary field strength (in Amp/m) : 1.333450E-4

028

Station : 2475N

- 1) -3.735948 2) 5.418061E-1 3) 1.951205 4) 4.351315
- 5) 6.637830 6) 1.483205 7) -2.433223E1 8) -9.161301E1
- 9) -1.643158E2 10) -1.996550E2

Primary field strength (in Amp/m) : 1.209336E-4

Station : 2500N

- 1) -4.097014 2) 5.856300E-1 3) 2.081666 4) 5.058350
- 5) 7.400621 6) 2.623045 7) -2.475455E1 8) -9.475345E1
- 9) -1.685404E2 10) -1.922936E2

Primary field strength (in Amp/m) : 1.100829E-4

Station : 2525N

- 1) -3.993762 2) 6.149868E-1 3) 2.231527 4) 5.478565
- 5) 8.153697 6) 3.462793 7) -2.480789E1 8) -9.634053E1
- 9) -1.701079E2 10) -2.095532E2

Primary field strength (in Amp/m) : 1.005451E-4

Station : 2550N

- 1) -3.863835 2) 7.063810E-1 3) 2.558353 4) 6.091399
- 5) 9.224978 6) 4.989518 7) -2.509156E1 8) -1.005265E2
- 9) -1.695386E2 10) -2.018264E2

Primary field strength (in Amp/m) : 9.212047E-5

Station : 2575N

- 1) -3.531563 2) 7.382088E-1 3) 2.661468 4) 6.599213
- 5) 1.020371E1 6) 5.802276 7) -2.690611E1 8) -1.046029E2
- 9) -1.738525E2 10) -1.926776E2

Primary field strength (in Amp/m) : 8.464533E-5

Station : 2600N

- 1) -3.360403 2) 8.511461E-1 3) 2.969248 4) 7.290806
- 5) 1.127323E1 6) 7.413729 7) -2.794694E1 8) -1.078745E2
- 9) -1.754391E2 10) -1.909808E2

Primary field strength (in Amp/m) : 7.798511E-5

Station : 2625N

- 1) -2.569854 2) 9.914680E-1 3) 3.179774 4) 7.979009
- 5) 1.257317E1 6) 7.364096 7) -2.678681E1 8) -1.119801E2
- 9) -1.814921E2 10) -1.872993E2

Primary field strength (in Amp/m) : 7.202836E-5

Station : 2650N

- 1) -2.570206 2) 9.434843E-1 3) 3.356679 4) 8.227569
- 5) 1.395426E1 6) 8.908164 7) -2.799365E1 8) -1.155071E2
- 9) -1.803457E2 10) -2.059982E2

Primary field strength (in Amp/m) : 6.668170E-5

Station : 2675N

- 1) -2.542615 2) 1.024559 3) 3.590918 4) 9.194909
- 5) 1.472184E1 6) 8.820697 7) -3.109184E1 8) -1.199901E2
- 9) -1.875979E2 10) -1.892014E2

Primary field strength (in Amp/m) : 6.186686E-5

Station : 2700N

- 1) -2.588105 2) 1.158838 3) 4.038425 4) 9.720992
- 5) 1.509539E1 6) 7.678123 7) -3.732911E1 8) -1.273311E2
- 9) -1.877091E2 10) -1.993762E2

Primary field strength (in Amp/m) : 5.751743E-5

ATTACHMENT II

NORMALIZED SECONDARY FIELD STRENGTHS

STAVERTON - SHEFFIELD E.L. 7/73

030

Area : STAVERTON PROSPECT
For : CRA EXPLORATION PTY LTD
Date : May 8, 1983
Job : 3101
Loop : 0002
Line : 400E
Component : Hz
Frequency : 26.230

Channel delay times and widths are (usec) :

Ch1 1.443840E4 Ch2 7.219200E3 Ch3 3.609600E3 Ch4 1.804800E3
Ch5 9.024001E2 Ch6 4.512000E2 Ch7 2.256000E2 Ch8 1.128000E2
Ch9 5.640000E1 Ch10 2.820000E1

Loop corner grid coordinates (corner , x , y , arbitrary elev)

Corner 1 1000N 900E 0
Corner 2 700N 900E 0
Corner 3 700N 100E 0
Corner 4 1000N 100E 0

The data presented is secondary field data, continuously normalized with respect to Channel 1.

Station : 1025N

1)-1.603665E1 2) 8.745831E-2 3) 2.129738E-1 4) 2.204134E-1
5) 2.808533E-1 6) 9.209885E-1 7) 9.804276E-1 8) 9.910334E-1
9)-5.909086 10)-1.423610E2

Primary field strength (in Amp/m) : 5.728182E-3

Station : 1050N

1)-6.260300 2) 8.516612E-2 3) 2.148864E-1 4) 2.340701E-1
5) 3.570186E-1 6) 1.117098 7) 1.488112 8) 2.968580
9)-7.675314E-1 10)-1.429392E2

Primary field strength (in Amp/m) : 2.586091E-3

Station : 1075N

1)-1.258068E1 2) 1.334876E-1 3) 2.988164E-1 4) 3.715876E-1
5) 5.485074E-1 6) 1.360008 7) 2.183202 8) 5.026486
9)-2.974242 10)-1.524424E2

Primary field strength (in Amp/m) : 1.561637E-3

Station : 1100N

1)-1.256191E1 2) 1.115498E-1 3) 2.587650E-1 4) 3.620052E-1
5) 6.262646E-1 6) 1.642422 7) 3.059065 8) 7.460007
9)-1.115706E1 10)-1.646466E2

Primary field strength (in Amp/m) : 1.064010E-3

Station : 1125N

1)-2.261524E1 2) 4.285833E-1 3) 7.656931E-1 4) 9.686738E-1
5) 1.404775 6) 2.678416 7) 4.669380 8) 1.143859E1
9)-2.018727E1 10)-1.806260E2

Primary field strength (in Amp/m) : 7.754549E-4

Station : 1150N

1)-2.217195E1 2) 1.424022E-1 3) 3.635645E-1 4) 5.185726E-1
5) 1.142748 6) 2.606863 7) 5.311372 8) 1.353994E1
9)-2.954996E1 10)-1.862212E2

Primary field strength (in Amp/m) : 5.902978E-4

Station : 1175N

1)-2.417479E1 2) 2.020067E-1 3) 4.588189E-1 4) 6.172769E-1
5) 1.384970 6) 3.283596 7) 6.608421 8) 1.653083E1
9)-3.463384E1 10)-1.902655E2

Primary field strength (in Amp/m) : 4.634052E-4

031

Station : 1200N

- 1) -2.139834E1
- 2) 1.482122E-1
- 3) 4.086093E-1
- 4) 6.354964E-1
- 5) 1.479263
- 6) 3.617000
- 7) 7.301353
- 8) 1.802876E1
- 9) -4.322209E1
- 10) -1.928627E2

Primary field strength (in Amp/m) : 3.723183E-4

Station : 1225N

- 1) -1.512656E1
- 2) 1.534826E-1
- 3) 4.263311E-1
- 4) 7.163293E-1
- 5) 1.667809
- 6) 3.919680
- 7) 8.213682
- 8) 1.893190E1
- 9) -3.953588E1
- 10) -1.890853E2

Primary field strength (in Amp/m) : 3.046380E-4

Station : 1250N

- 1) -8.761669
- 2) 1.837168E-1
- 3) 4.475329E-1
- 4) 7.824984E-1
- 5) 1.866338
- 6) 3.951885
- 7) 9.343650
- 8) 1.830346E1
- 9) -4.350051E1
- 10) -1.852259E2

Primary field strength (in Amp/m) : 2.529839E-4

Station : 1275N

- 1) -4.558682
- 2) 1.516388E-1
- 3) 3.996966E-1
- 4) 8.030280E-1
- 5) 1.932859
- 6) 4.577260
- 7) 9.631026
- 8) 1.884130E1
- 9) -4.848913E1
- 10) -1.882626E2

Primary field strength (in Amp/m) : 2.127039E-4

Station : 1300N

- 1) -6.435657
- 2) 2.291321E-1
- 3) 5.189237E-1
- 4) 9.643006E-1
- 5) 2.363339
- 6) 5.486016
- 7) 1.192234E1
- 8) 2.111420E1
- 9) -6.453668E1
- 10) -1.961355E2

Primary field strength (in Amp/m) : 1.807324E-4

Area : STAVERTON PROSPECT
 For : CRA EXPLORATION PTY LTD
 Date : May 8, 1983
 Job : 3101
 Loop : 0002
 Line : 500E
 Component : Hz
 Frequency : 26.230

Channel delay times and widths are (usec) :

Ch1 1.443840E4 Ch2 7.219200E3 Ch3 3.609600E3 Ch4 1.804800E3
 Ch5 9.024001E2 Ch6 4.512000E2 Ch7 2.256000E2 Ch8 1.128000E2
 Ch9 5.640000E1 Ch10 2.820000E1

Loop corner grid coordinates (corner , x , y , arbitrary elev)

Corner 1 1000N 900E 0
 Corner 2 700N 900E 0
 Corner 3 700N 100E 0
 Corner 4 1000N 100E 0

The data presented is secondary field data, continuously normalized with respect to Channel 1.

Station : 1025N

1) -1.208400E1 2) 1.687881E-1 3) 3.115962E-1 4) 2.982809E-1
 5) 3.489119E-1 6) 9.923215E-1 7) 1.080492 8) 1.319525
 9) -9.438390 10) -1.500546E2

Primary field strength (in Amp/m) : 5.747647E-3

Station : 1050N

1) -1.090720E1 2) 1.353824E-1 3) 2.743640E-1 4) 2.733940E-1
 5) 3.864914E-1 6) 1.161742 7) 1.493769 8) 3.239256
 9) -6.408934 10) -1.516709E2

Primary field strength (in Amp/m) : 2.603642E-3

Station : 1075N

1) -1.236050E1 2) 7.907658E-2 3) 2.080326E-1 4) 2.147793E-1
 5) 3.776932E-1 6) 1.297327 7) 1.891962 8) 5.624707
 9) -5.732920 10) -1.589608E2

Primary field strength (in Amp/m) : 1.577289E-3

Station : 1100N

1) -1.566642E1 2) 3.429684E-1 3) 6.030606E-1 4) 7.281593E-1
 5) 1.046341 6) 2.056609 7) 3.490113 8) 9.428224
 9) -7.308097 10) -1.682196E2

Primary field strength (in Amp/m) : 1.077834E-3

Station : 1125N

1) -1.773941E1 2) 1.074774E-1 3) 2.457497E-1 4) 3.719938E-1
 5) 7.748983E-1 6) 1.945970 7) 4.104062 8) 1.189690E1
 9) -1.005161E1 10) -1.760782E2

Primary field strength (in Amp/m) : 7.875630E-4

Station : 1150N

1) -8.533341 2) 8.521684E-2 3) 2.444877E-1 4) 3.807746E-1
 5) 8.122741E-1 6) 2.224539 7) 4.640280 8) 1.226452E1
 9) -1.797926E1 10) -1.764021E2

Primary field strength (in Amp/m) : 6.008285E-4

Station : 1175N

1) -6.447136 2) 1.538715E-1 3) 3.585280E-1 4) 5.307932E-1
 5) 1.076476 6) 2.493449 7) 5.595752 8) 1.364987E1
 9) -2.293359E1 10) -1.800971E2

Primary field strength (in Amp/m) : 4.725116E-4

Station : 1200N

1) -4.939347 2) 2.820699E-1 3) 6.114105E-1 4) 8.640922E-1
5) 1.500540 6) 3.253021 7) 6.464551 8) 1.586760E1
9) -2.880249E1 10) -1.845107E2

Primary field strength (in Amp/m) : 3.801589E-4

Station : 1225N

1) -2.235579 2) 1.218255E-1 3) 3.740120E-1 4) 6.592063E-1
5) 1.481172 6) 3.594639 7) 7.188583 8) 1.679484E1
9) -3.490895E1 10) -1.834838E2

Primary field strength (in Amp/m) : 3.113667E-4

Station : 1250N

1) -2.728385 2) 2.045532E-1 3) 5.058927E-1 4) 8.313690E-1
5) 1.751270 6) 4.016362 7) 8.664995 8) 1.776632E1
9) -4.860936E1 10) -1.876699E2

Primary field strength (in Amp/m) : 2.587457E-4

Station : 1275N

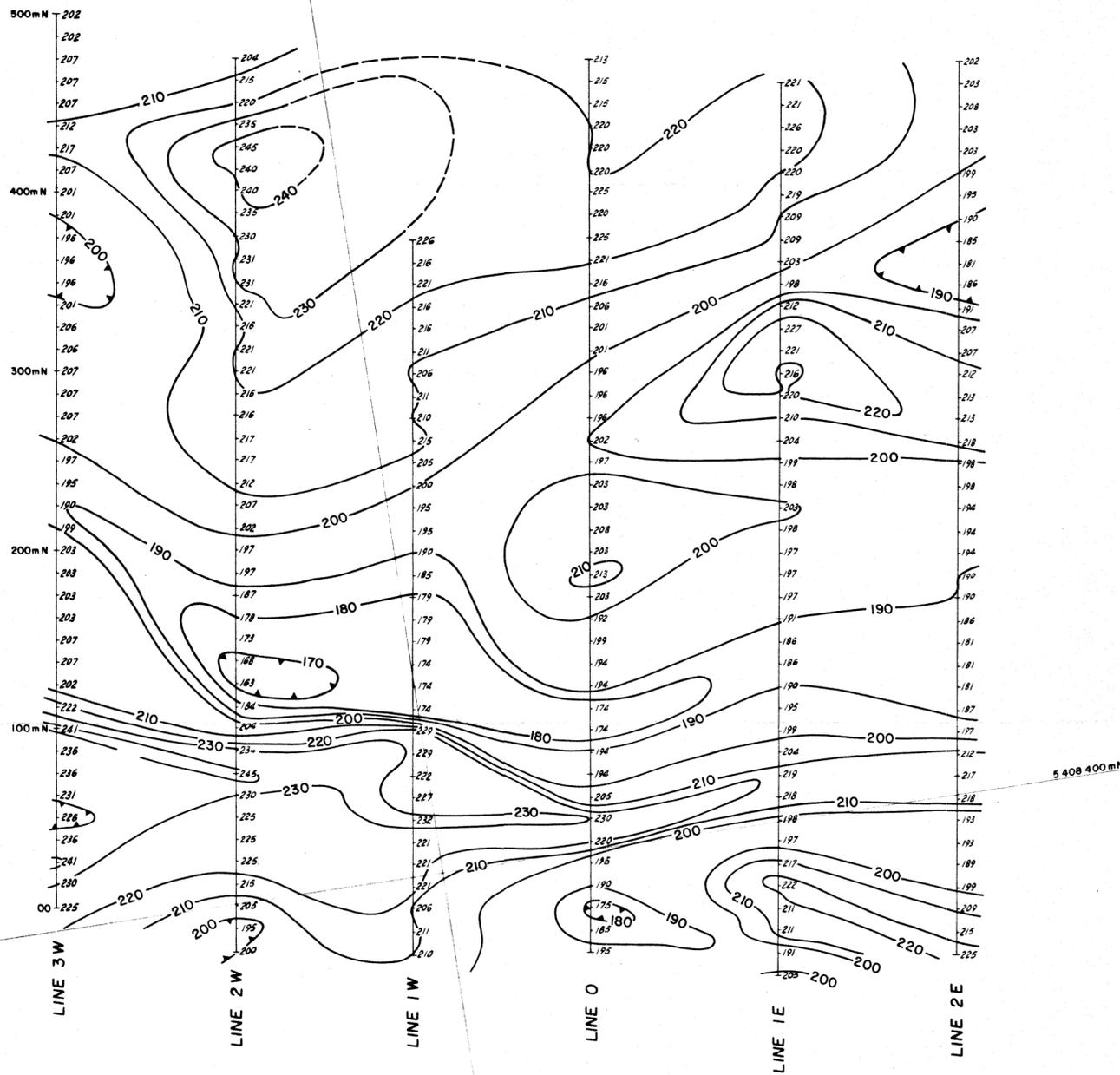
1) -3.527415 2) 6.326066E-2 3) 2.810185E-1 4) 7.432556E-1
5) 1.991095 6) 4.543894 7) 1.029206E1 8) 1.830076E1
9) -6.636416E1 10) -1.988607E2

Primary field strength (in Amp/m) : 2.176316E-4

Station : 1300N

1) -4.641604 2) 2.081197E-1 3) 5.582904E-1 4) 1.034248
5) 2.396733 6) 5.249460 7) 1.182592E1 8) 1.892671E1
9) -7.114731E1 10) -1.982298E2

Primary field strength (in Amp/m) : 1.849445E-4

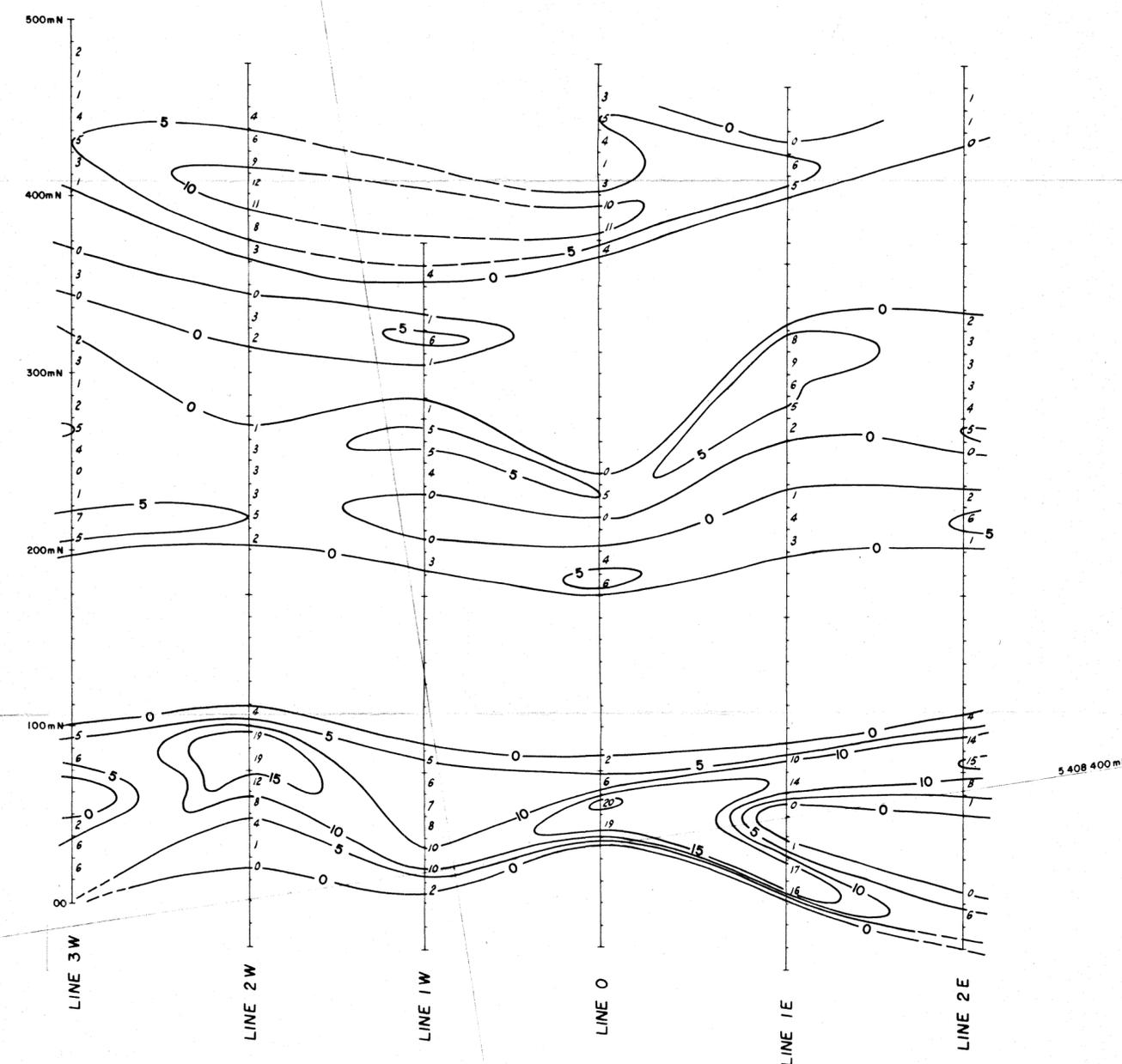


KEY
 Phoenix V.L.F - 2
 Transmitter: Northwest Cape - 22.3 KHz
 Contour Interval: 10% of M.H.F.S.

5 cm

84-2089

CRA EXPLORATION PTY. LIMITED	
SHEFFIELD E.L.7/73	
BEULAH BARYTE GRID	
V.L.F - E.M.	
% MAX. HORIZONTAL FIELD STRENGTH (ARBITRARY GAIN)	
REF.	SK55-3
SCALE	1:2500
DRAWN	T.G.D.S.
AUTHOR	M.F.F.
REPORT N°	12279
DATE	FEB 1983
TAS h N°	1222

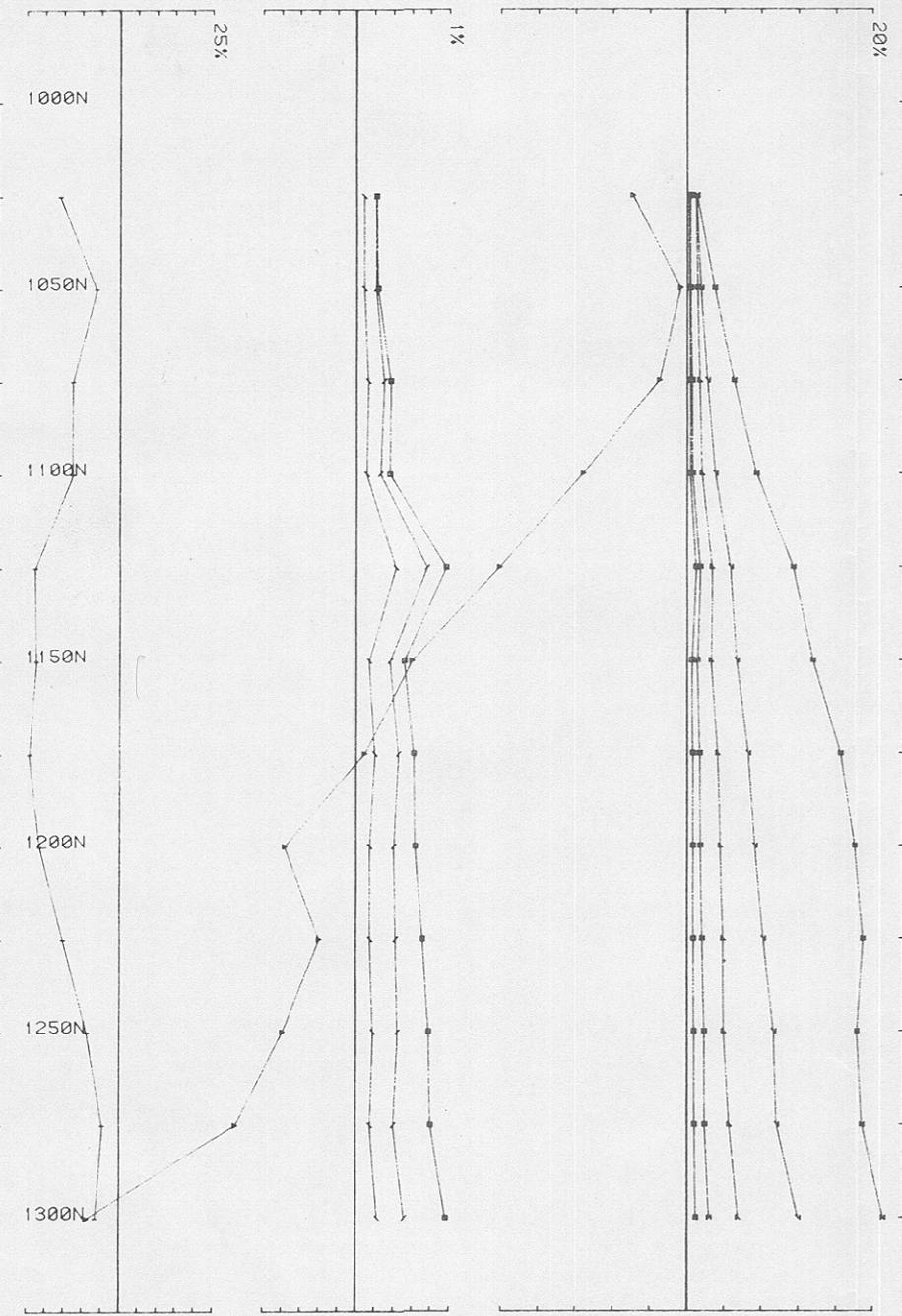


KEY
 Phoenix V.L.F - 2
 Transmitter: Northwest Cape - 22.3 KHz
 Contour Interval: 5° Normalized Dip

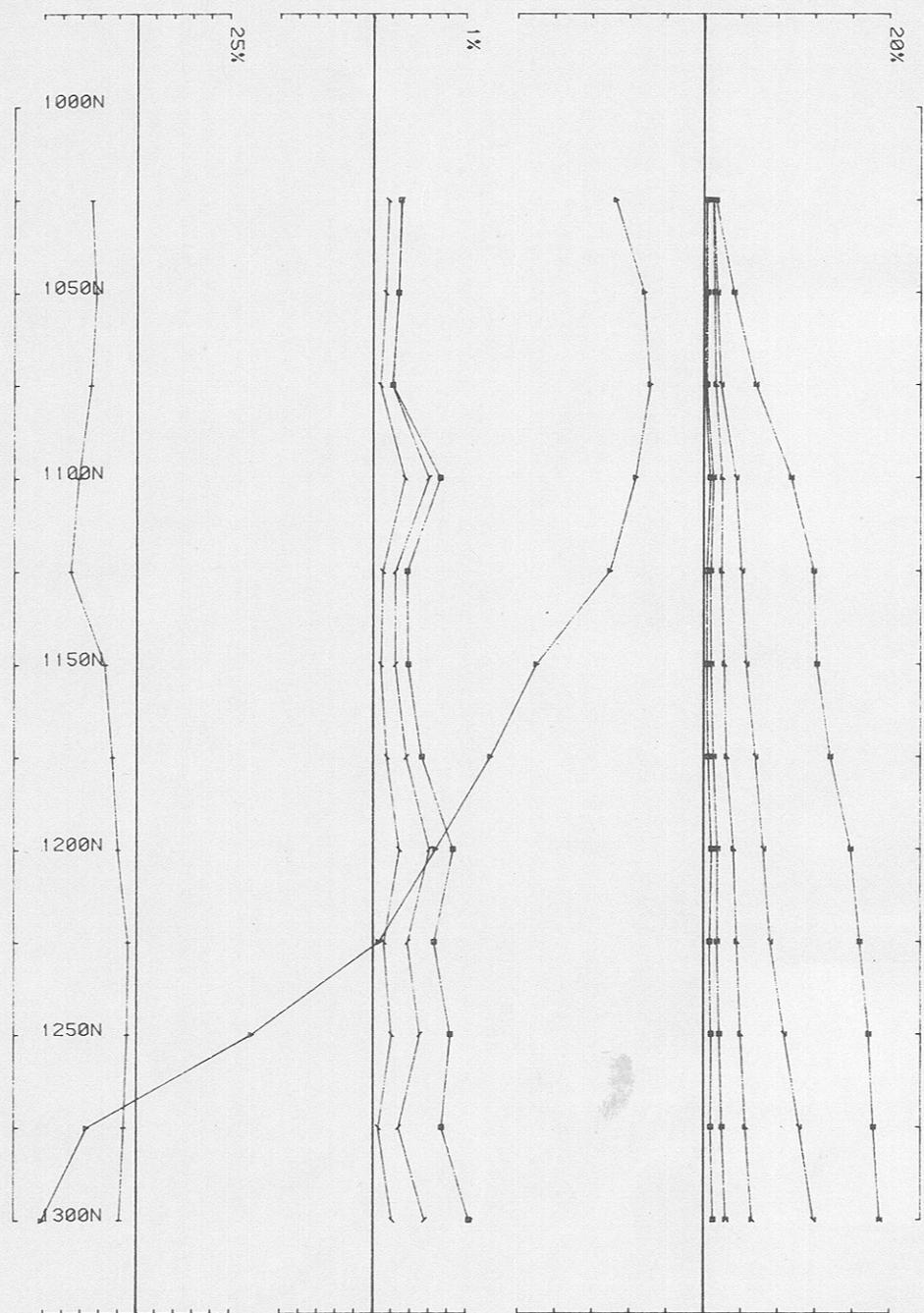
5 cm

84-2089

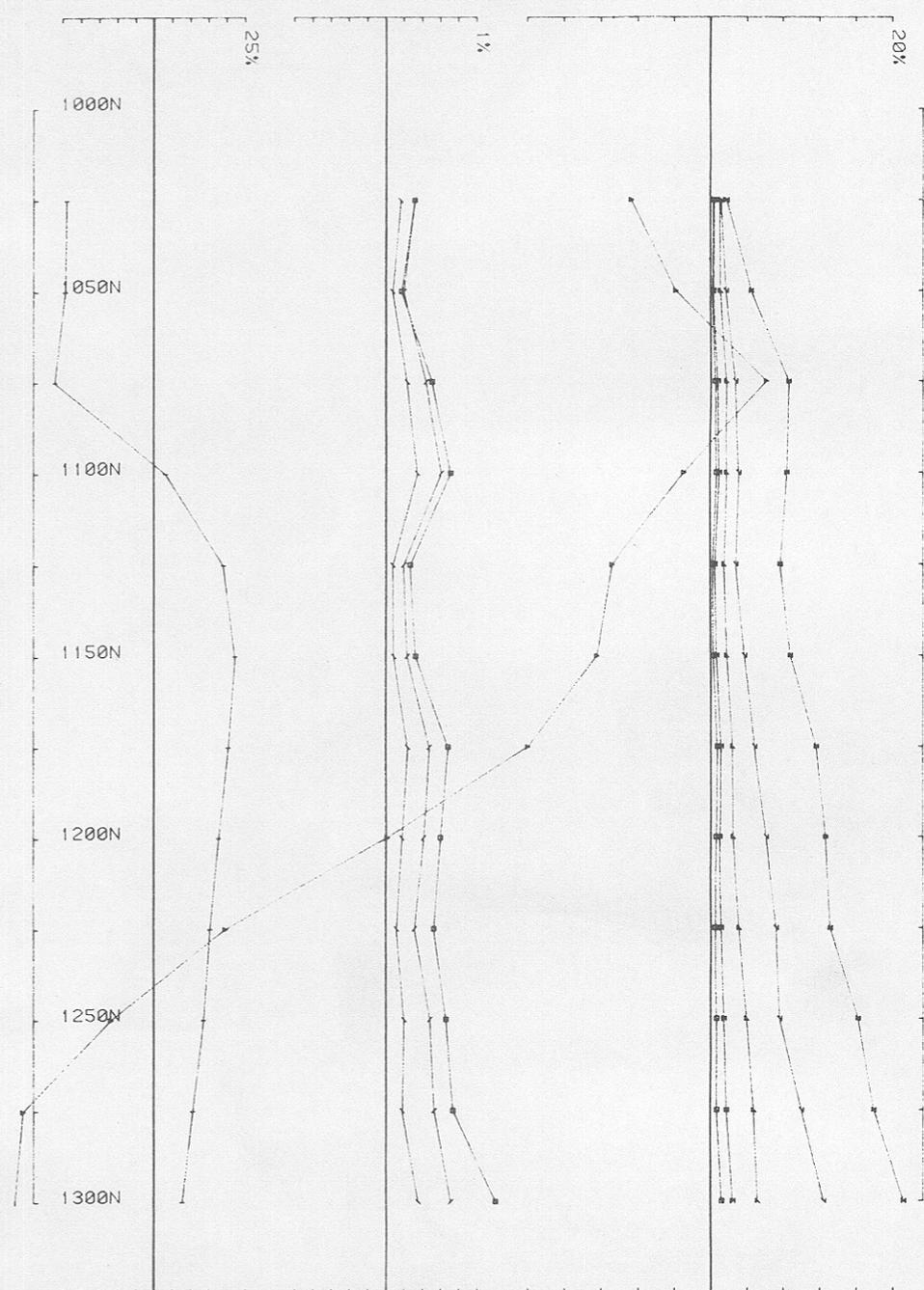
CRA EXPLORATION PTY. LIMITED	
SHEFFIELD E.L.7/73	
BEULAH BARYTE GRID	
V.L.F - E.M.	
NORMALISED DIPS (USING FRASER'S FILTER)	
REF.	SK55-3
SCALE	1:2500
DRAWN	T.G.D.S.
AUTHOR	M.F.F.
REPORT N°	12279
DATE	FEB 1983
TAS h N°	1223



Area STAVERTON PROSPECT CRA EXPLORATION PTY LTD Job 3101 freq(hz) 26.230
 Loopno 0002 Line 400E component Hz secondary Ch 1



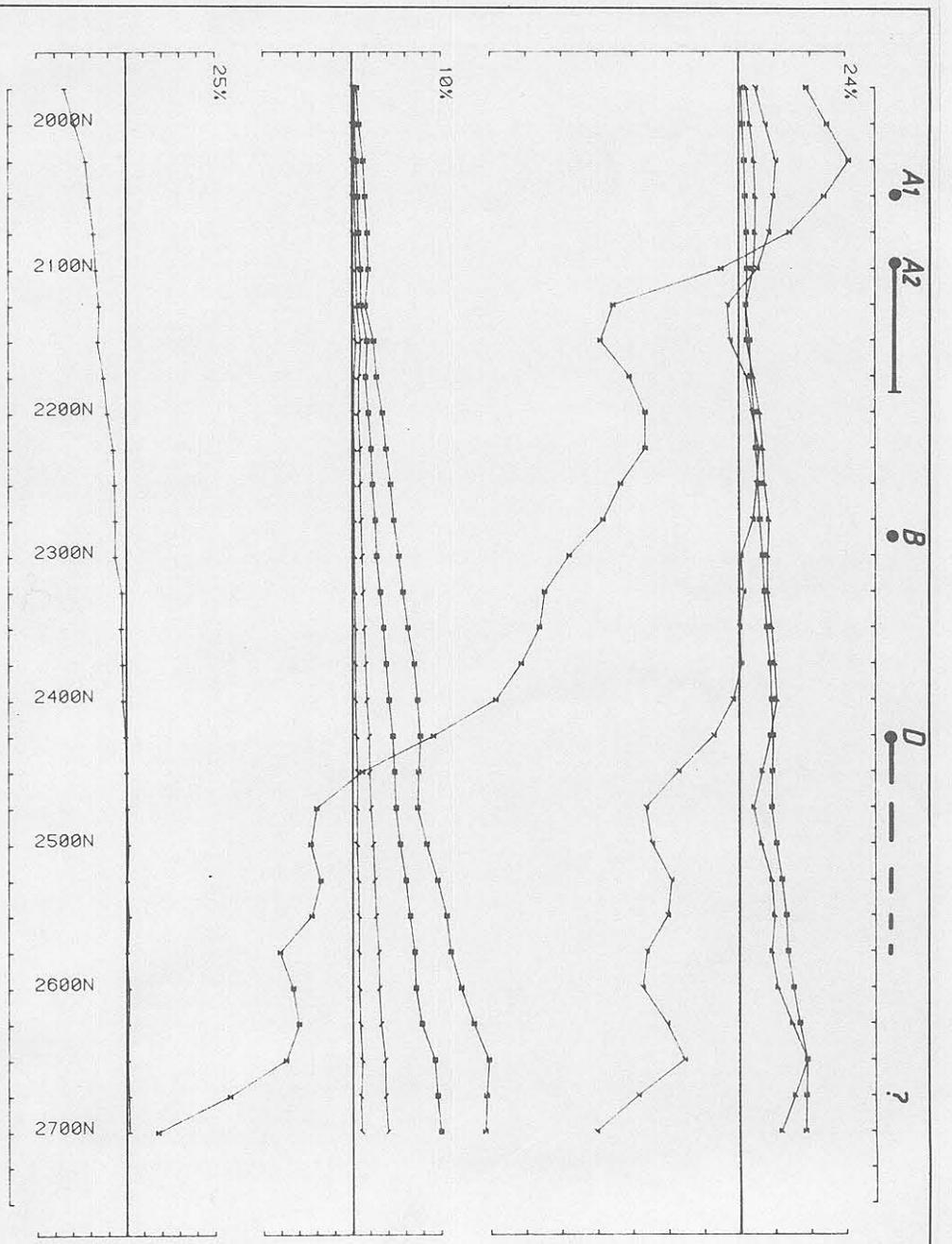
Area STAVERTON PROSPECT CRA EXPLORATION PTY LTD Job 3101 freq(hz) 26.230
 Loopno 0002 Line 500E component Hz secondary Ch 1



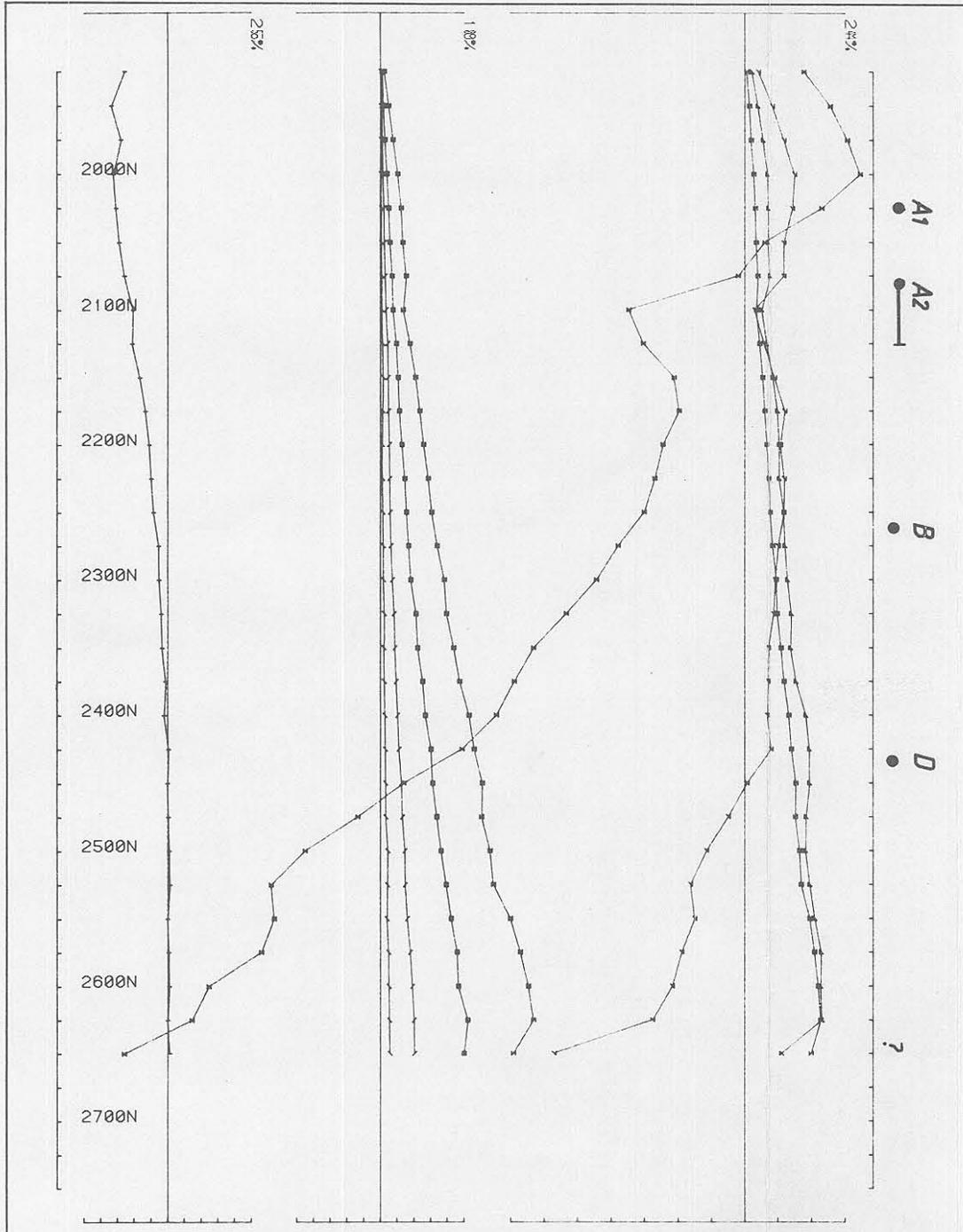
Area STAVERTON PROSPECT CRA EXPLORATION PTY LTD Job 3101 freq(hz) 26.230
 Loopno 0002 Line 600E component Hz secondary Ch 1

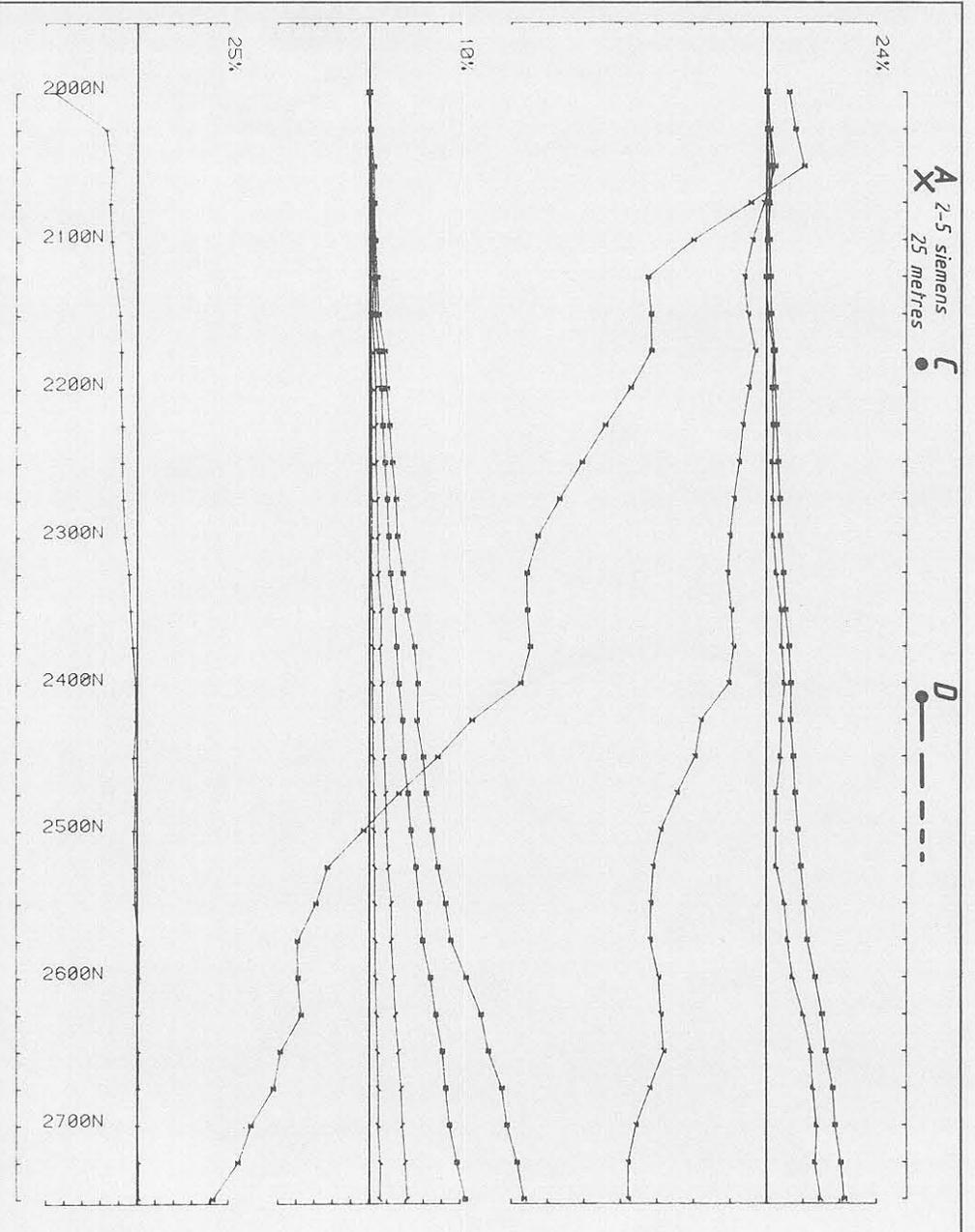
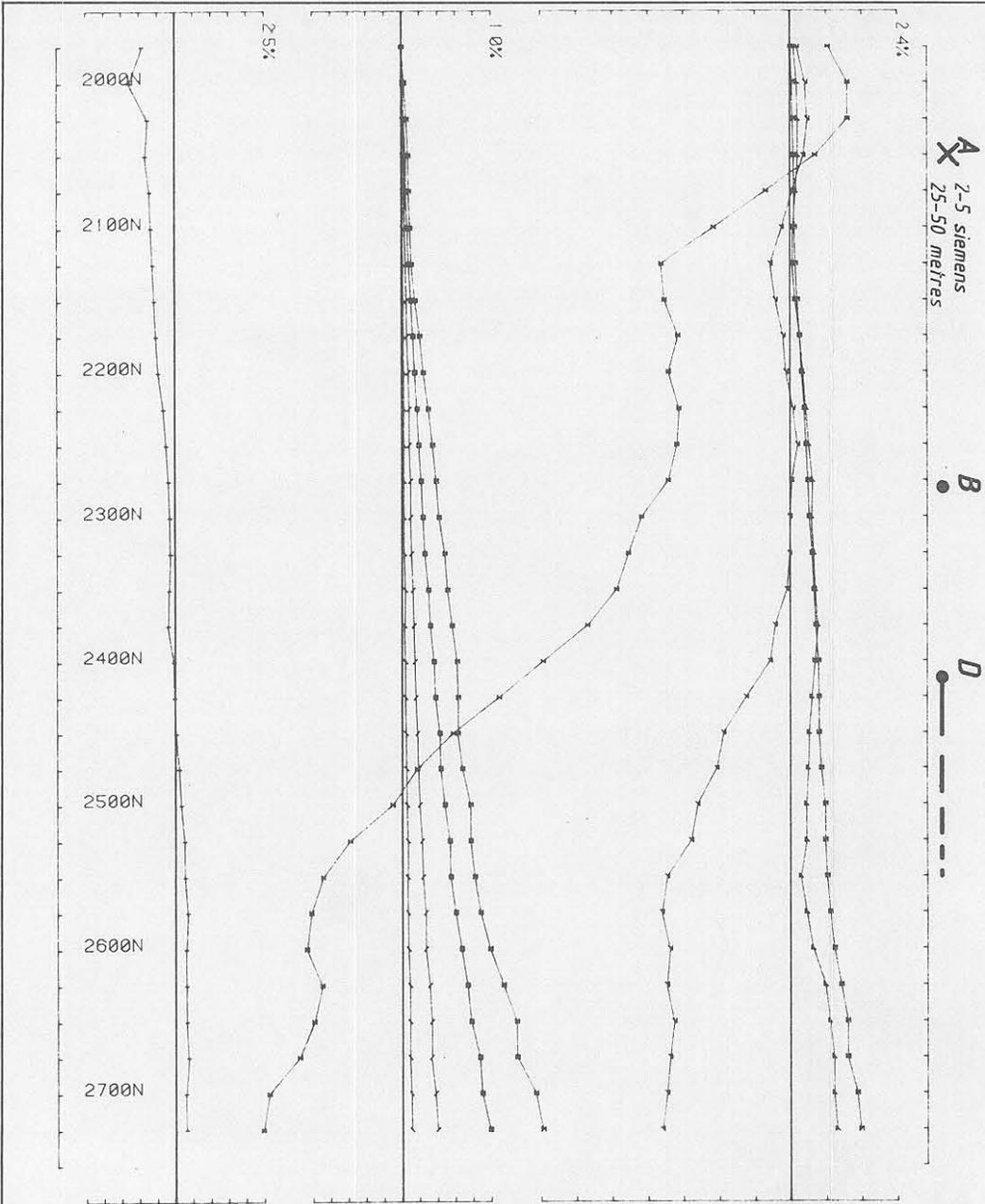
Plan No. TASH 1377

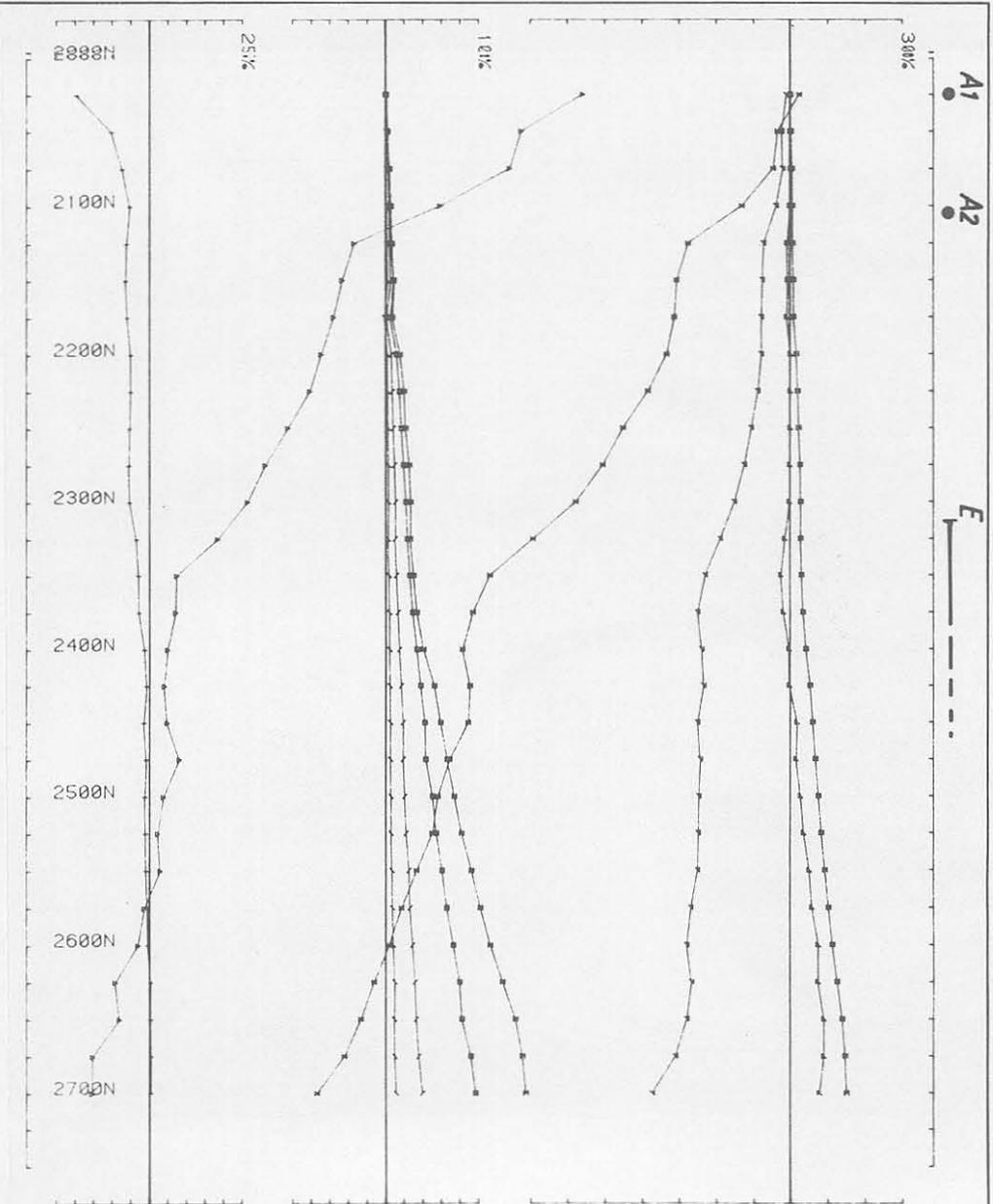
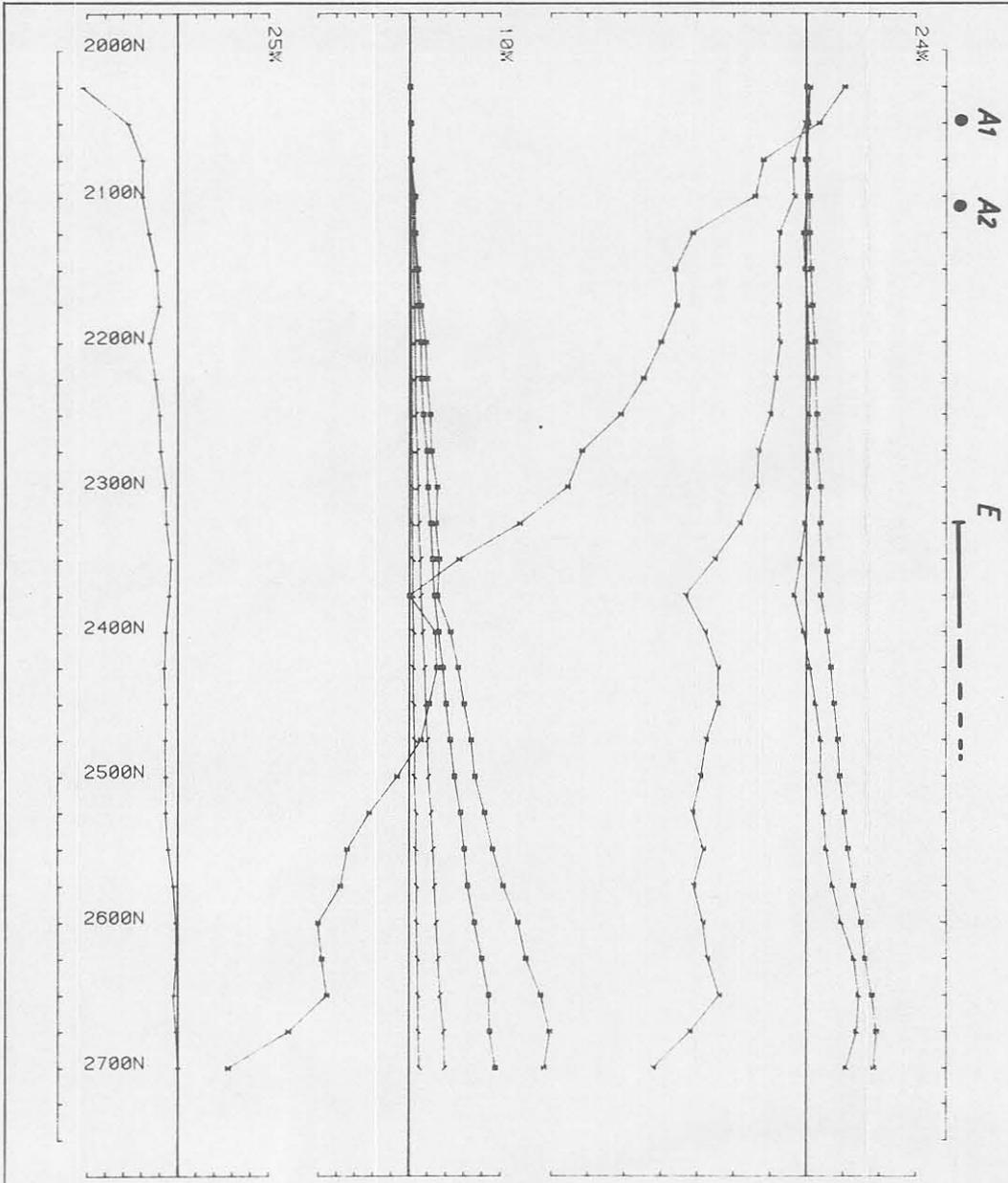
84-2089

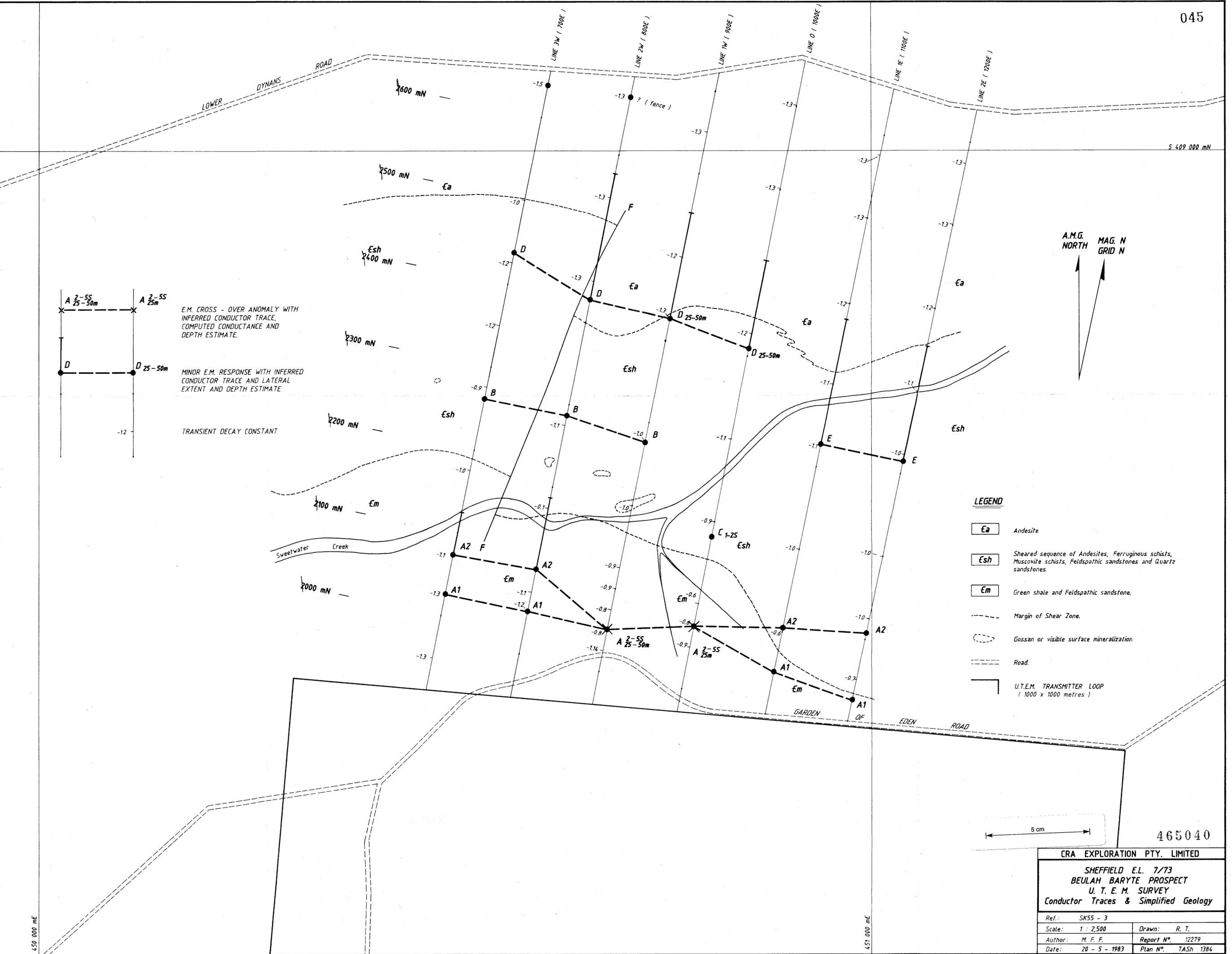


Plan No. TASH 1378









E.M. CROSS - OVER ANOMALY WITH
INFERRED CONDUCTOR TRACE,
COMPUTED CONDUCTANCE AND
DEPTH ESTIMATE.

MINOR E.M. RESPONSE WITH INFERRED
CONDUCTOR TRACE AND LATERAL
EXTENT AND DEPTH ESTIMATE

TRANSIENT DECAY CONSTANT.

LEGEND

- εa Andesite
- εsh Sheared sequence of Andesites, Ferruginous schists, Muscovite schists, Feldspathic sandstones and Quartz sandstones.
- εm Green shale and Feldspathic sandstone.
- Margin of Shear Zone.
- Gossan or visible surface mineralization.
- Road.
- U.T.E.M. TRANSMITTER LOOP (1000 x 1000 metres)

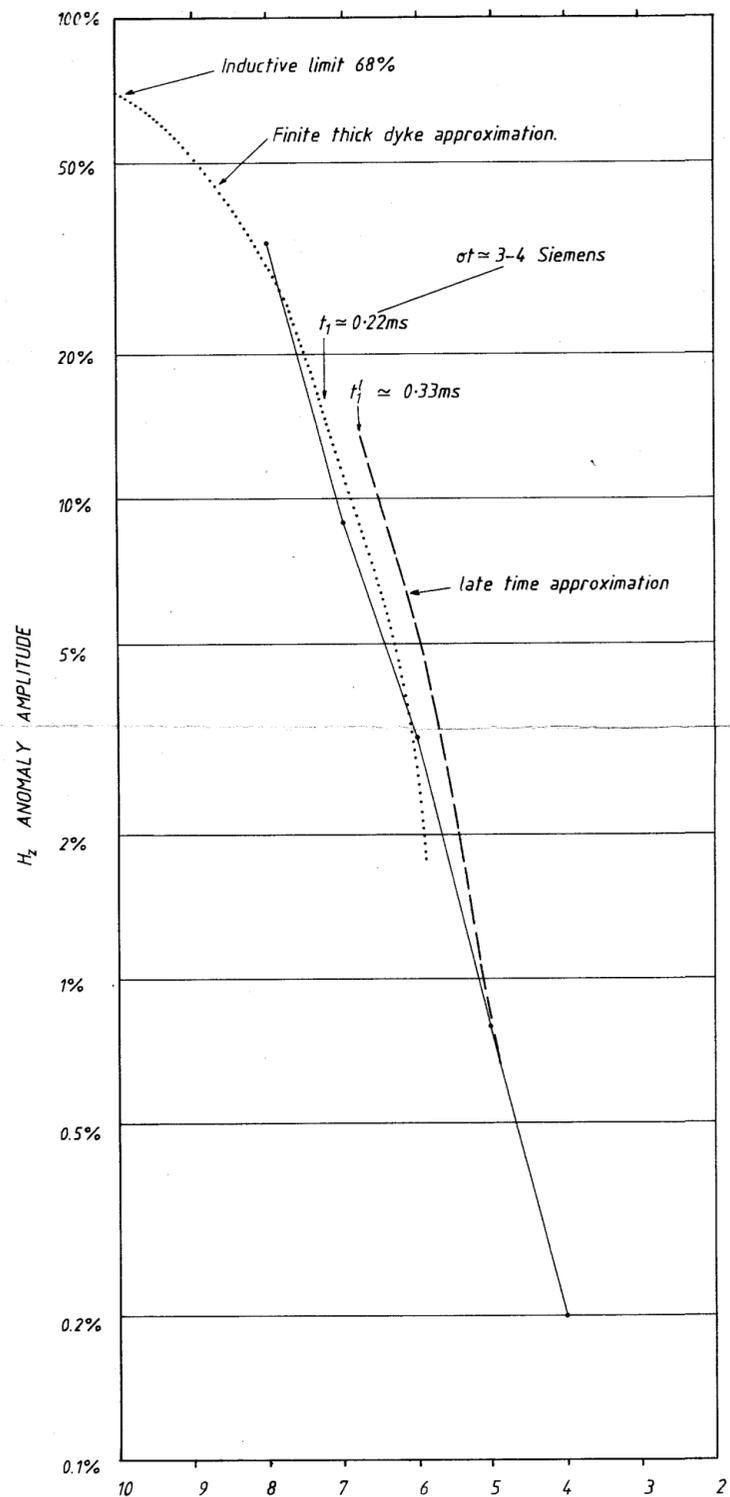
A.M.G. NORTH
MAG. N GRID N

5 cm

465040

CRA EXPLORATION PTY. LIMITED	
SHEFFIELD E.L. 7/73 BEULAH BARYTE PROSPECT U. T. E. M. SURVEY Conductor Traces & Simplified Geology	
Ref.: SK55 - 3	Drawn: R. T.
Scale: 1 : 2,500	Report N°: 12279
Author: M. F. F.	Plan N°: TASH 1384
Date: 20 - 5 - 1983	

84-2089



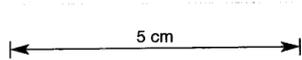
For finite thin dyke:

$$\sigma t = \frac{10t_1}{\mu S}$$

$$= 3.5 \text{ Siemens}$$

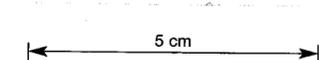
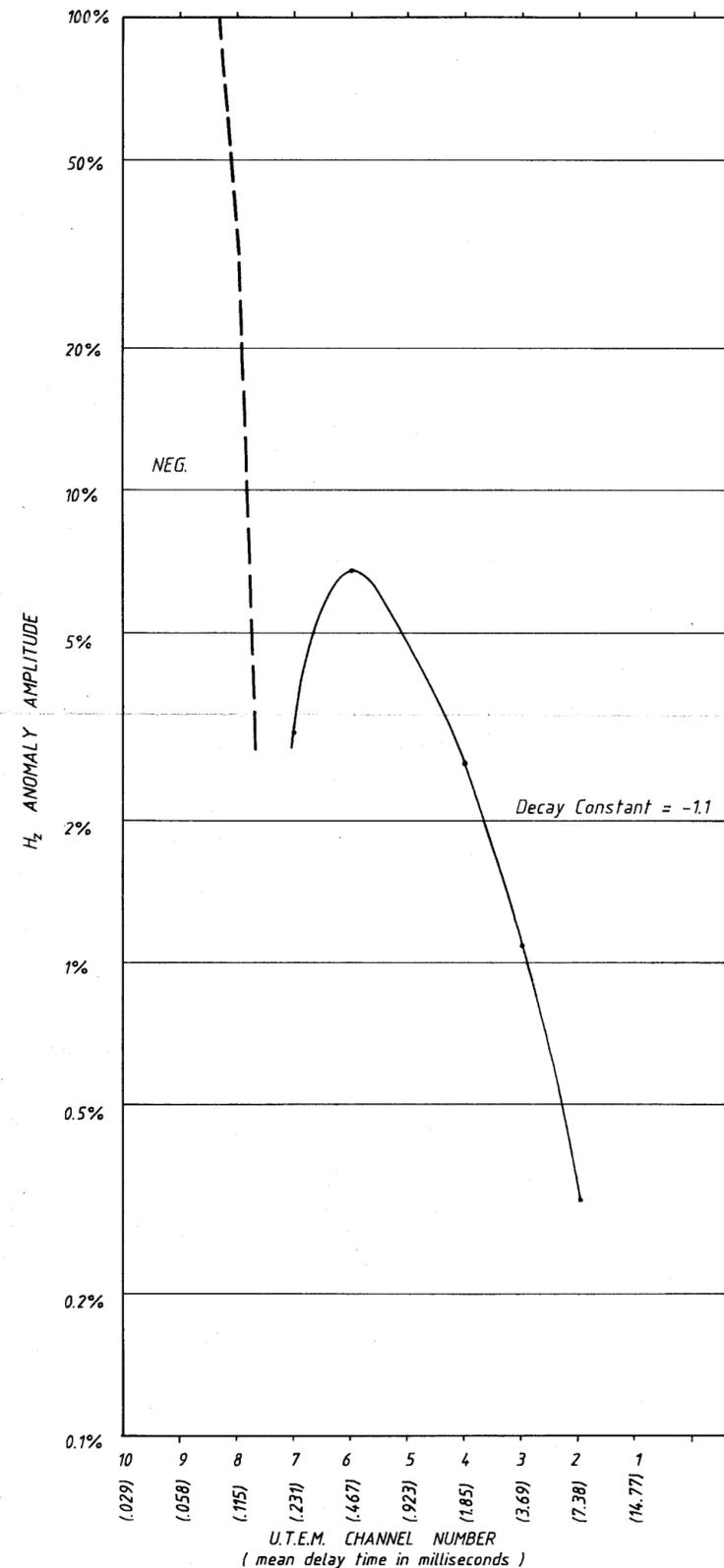
for an assumed strike length of 500 m.

465041



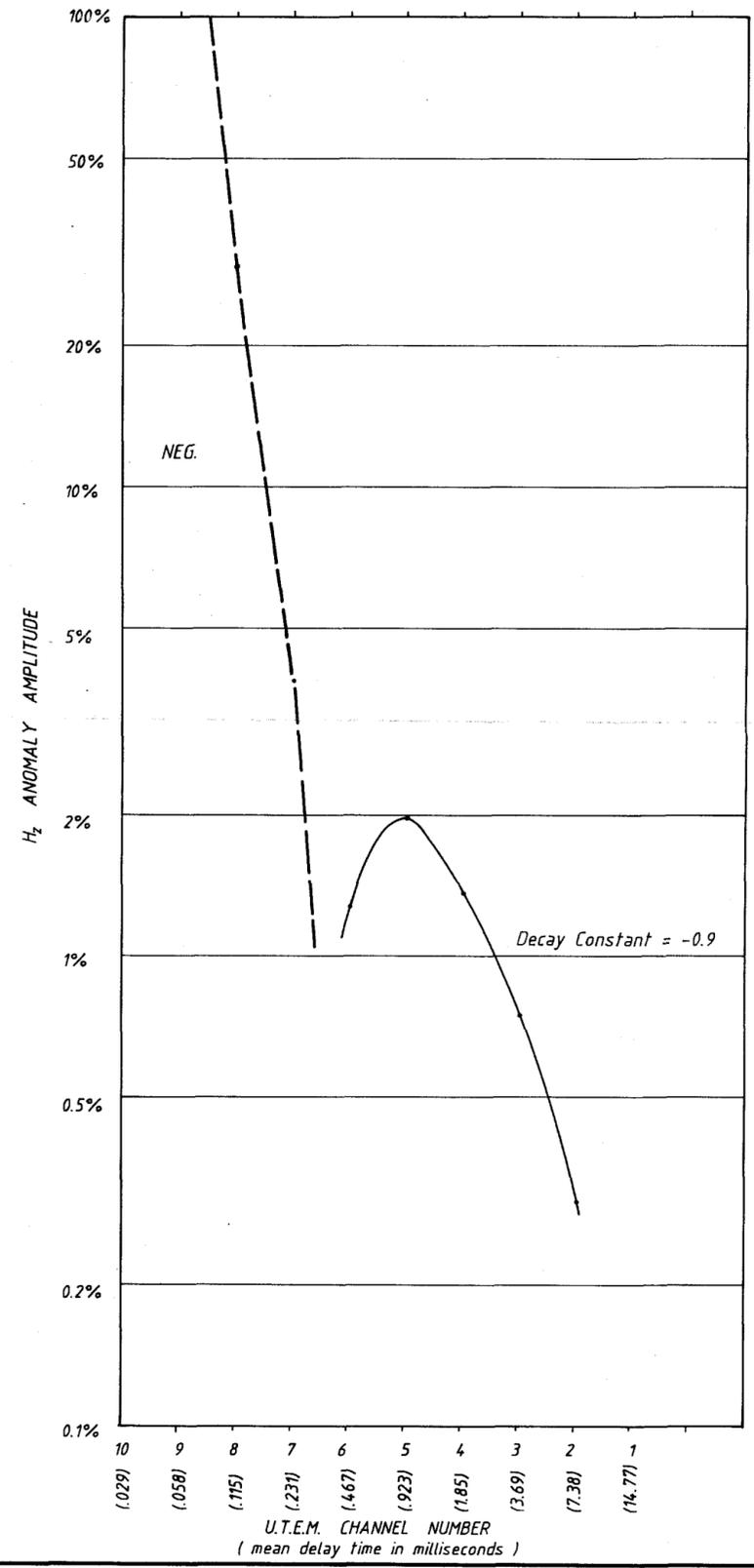
CRA EXPLORATION PTY. LIMITED	
SHEFFIELD E.L. 7/73 BEULAH BARYTE U.T.E.M. PEAK TO PEAK DECAY 900 mE, 2050 mN	
Ref: SK55 - 3	
Scale: AS SHOWN	Drawn: R. T.
Author: M. F. F.	Report N°: 12279
Date: 2 - 9 - 1983	Plan N°: 1472

84-2089

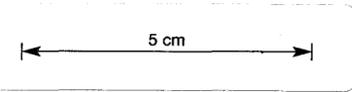


CRA EXPLORATION PTY. LIMITED	
SHEFFIELD E.L. 7/73 BEULAH BARYTE U.T.E.M. TRANSIENT DECAY CURVE 800 mE, 2275 mN	
Ref: SK55 - 3	
Scale: AS SHOWN	Drawn: R. T.
Author: M. F. F.	Report N°: 12279
Date: 2 - 9 - 1983	Plan N°: 1473

84-2089

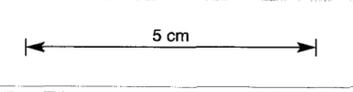
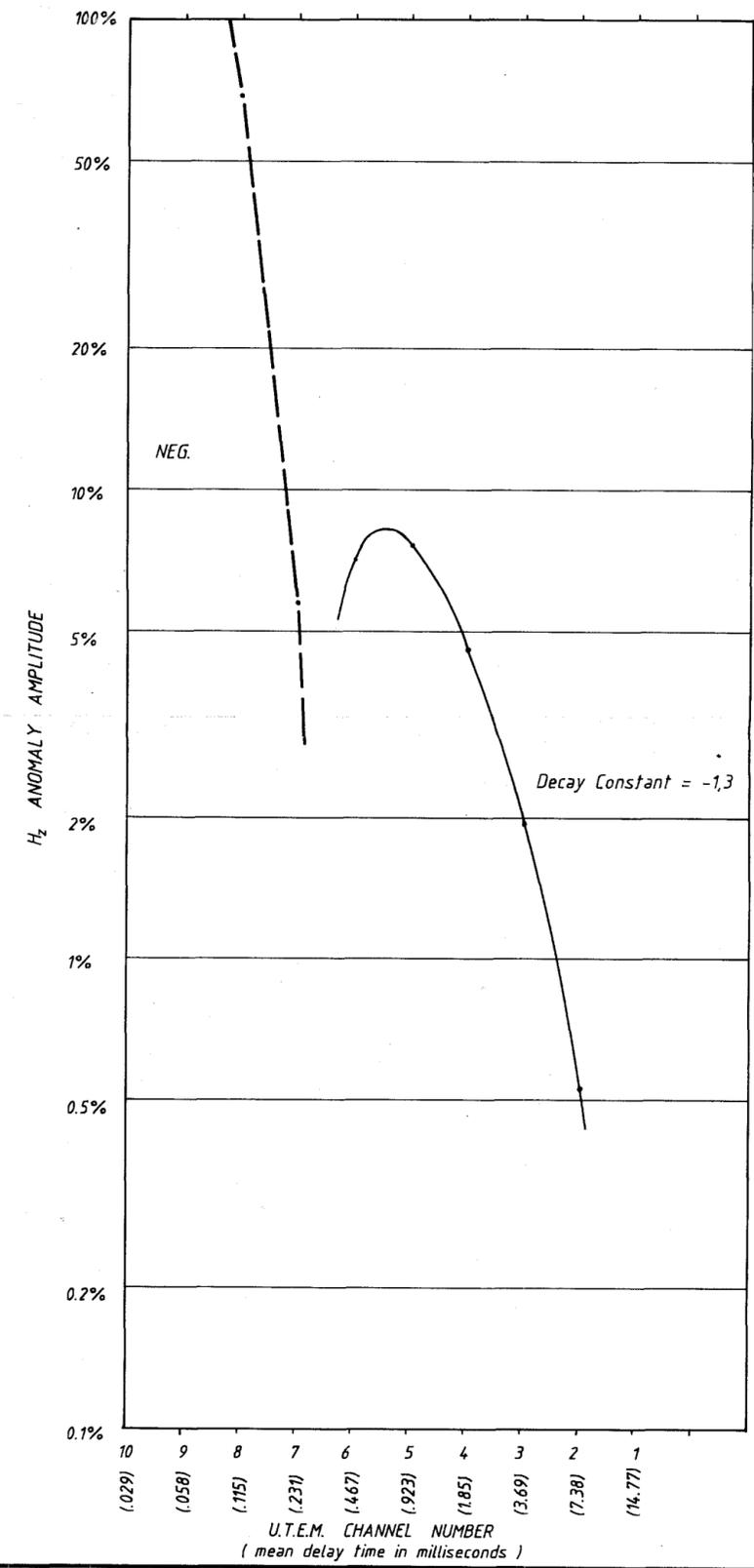


465042



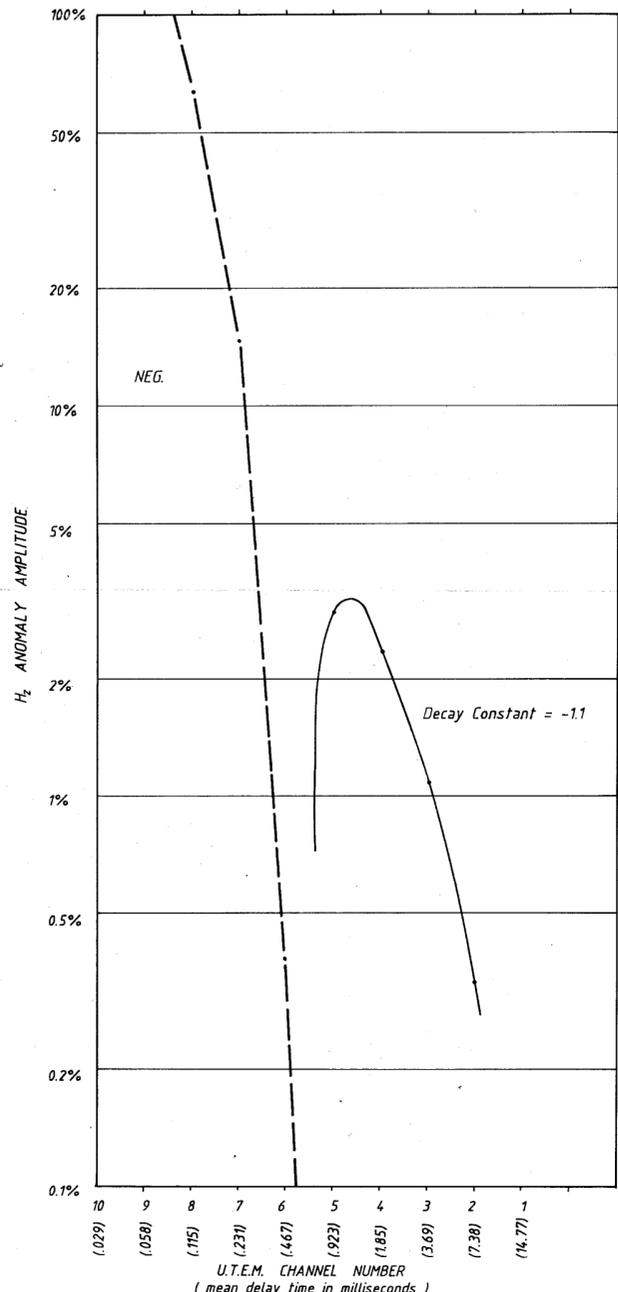
CRA EXPLORATION PTY. LIMITED	
SHEFFIELD E.L. 7/73 BEULAH BARYTE U.T.E.M. TRANSIENT DECAY CURVE 1000 mE, 2200 mN	
Ref: SK55 - 3	
Scale: AS SHOWN	Drawn: R. T.
Author: M. F. F.	Report No. 12279
Date: 2 - 9 - 1983	Plan No. 1474

84-2089



CRA EXPLORATION PTY. LIMITED	
SHEFFIELD E.L. 7/73 BEULAH BARYTE U.T.E.M. TRANSIENT DECAY CURVE 800 mE, 2425 mN	
Ref: SK55 - 3	
Scale: AS SHOWN	Drawn: R. T.
Author: M. F. F.	Report No. 12279
Date: 2 - 9 - 1983	Plan No. 1475

84-2089

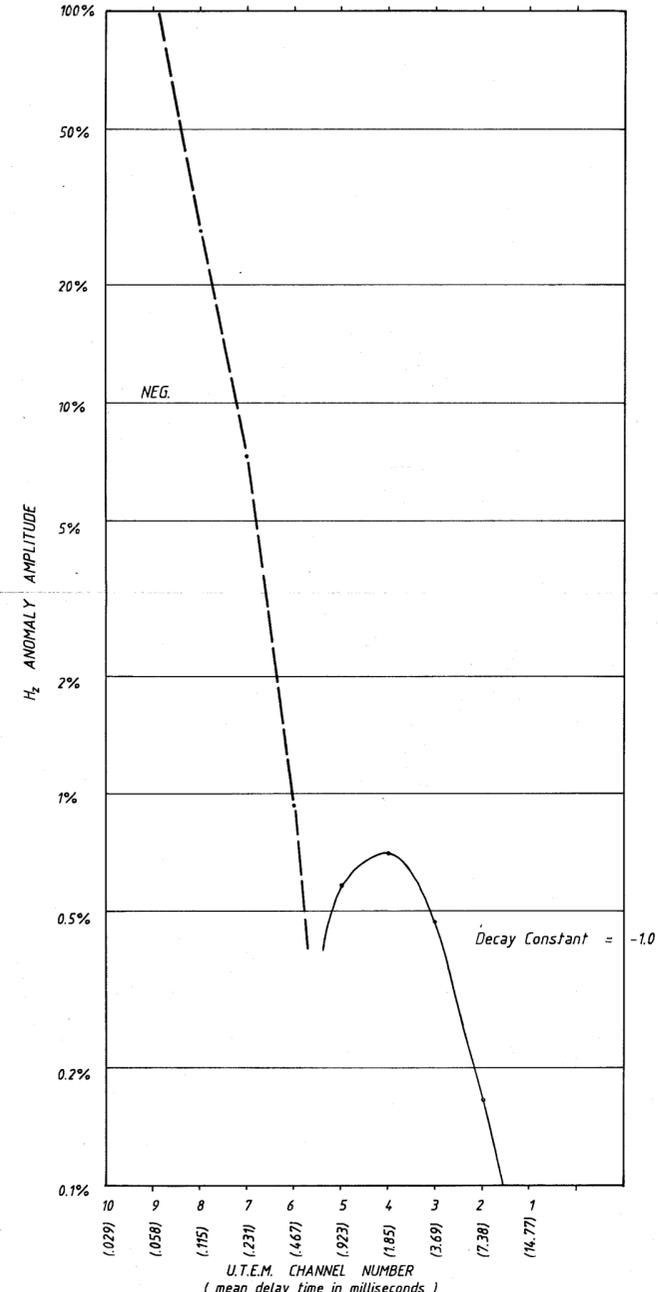


465043

5 cm

CRA EXPLORATION PTY. LIMITED	
SHEFFIELD E.L. 7/73 BEULAH BARYTE U.T.E.M. TRANSIENT DECAY CURVE 1100 mE, 2325 mN	
Ref: SK55 - 3	Drawn: R. T.
Scale: AS SHOWN	Report No: 12279
Author: M. F. F.	Plan No: 1476
Date: 2 - 9 - 1983	

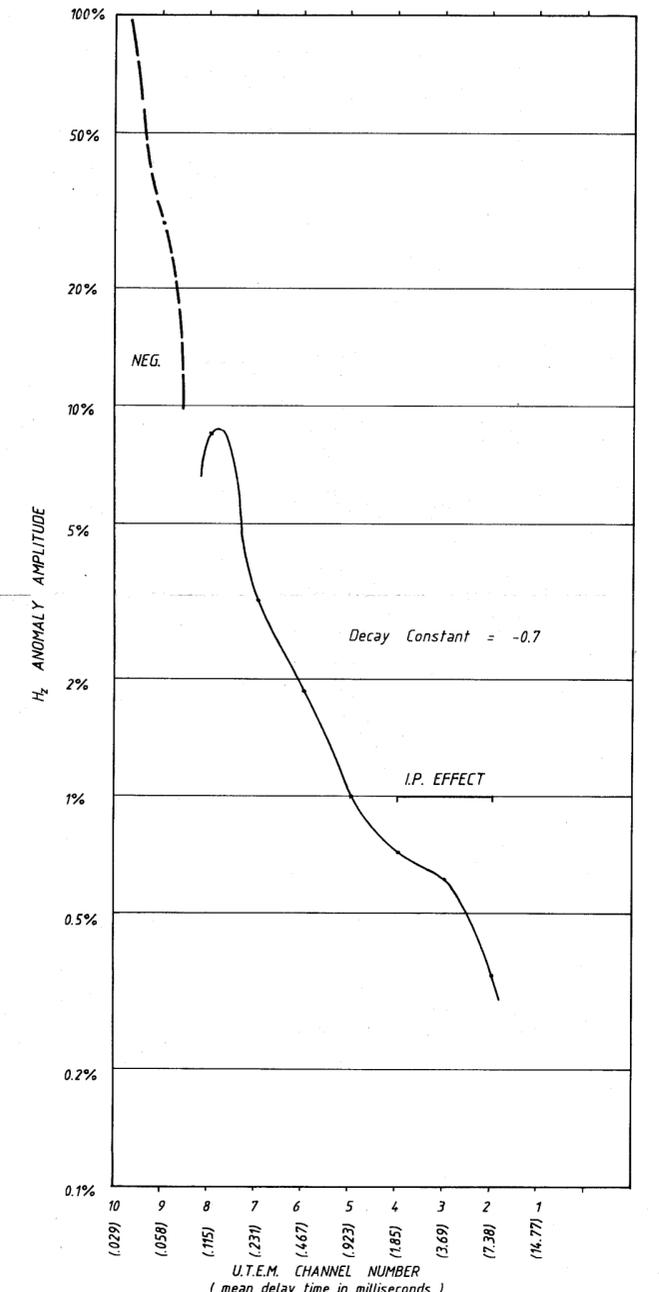
84-2089



5 cm

CRA EXPLORATION PTY. LIMITED	
SHEFFIELD E.L. 7/73 BEULAH BARYTE U.T.E.M. TRANSIENT DECAY CURVE 1200 mE, 2125 mN	
Ref: SK55 - 3	Drawn: R. T.
Scale: AS SHOWN	Report No: 12279
Author: M. F. F.	Plan No: 1477
Date: 2 - 9 - 1983	

84-2089



5 cm

CRA EXPLORATION PTY. LIMITED	
SHEFFIELD E.L. 7/73 STAVERTON U.T.E.M. TRANSIENT DECAY CURVE 600 mE, 1100 mN	
Ref: SK55 - 3	Drawn: R. T.
Scale: AS SHOWN	Report No: 12279
Author: M. F. F.	Plan No: 1478
Date: 2 - 9 - 1983	

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